II 3. ЦИТИРАНОСТ У МЕЂУНАРОДНИМ ИЗВОРИМА

(2003-2022)

1. **M. Vukićević-Karabin, M. Dimitrijević: 1971, Publ. of Dept. of Astronomy, Beograd 3, 17 [E 1]**.[807]

1. Vince, I., Atanacković, O.: 2020, *Life, educational and scientific activities of professor Mirjana Vukićević-Karabin (1933-2020)*, Serbian Astronomical Journal, stronomy and Astrophysics **201**, 49.

2. **M. Platiša, M. Popović, M. Dimitrijević, N. Konjević: 1975, Z. Fur Naturforsch. 30a, 212 [A 1]**.

29. Bukvić, S., Srećković, A.: 2004, *Stark parameters of two Ar III spectral lines in the* $4s^5S^o - 4p^5P$ *transition*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade, 305.
30. Djurović, S., Mar, S., Peláez, R. J., Aparicio, J. A.: 2011, *Stark broadening of ultraviolet Ar III lines*, Monthly Notices of the Royal Astronomical Society **414,** 1389.
31. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

3. **M. Platiša, M. Dimitrijević, M. Popović, N. Konjević: 1977, Astron. Astrophys. 54, 837 [A 2]**.

19. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

4. **M. Platiša, M. Dimitrijević, M. Popović, N. Konjević: 1977, J. Phys. B 10, 2997 [A 3]**.

13. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
14. Elabidi, Haykel, Ben Nessib, Nébil, Sahal-Bréchot, Sylvie: 2012, *Electron impact broadening of Si IV spectral lines: Comparison with recent experiments,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1606.
15. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
16. Gavanski, L.: 2019, *Measurement of Stark Halfwidths of Spectral Lines of Ionized Oxygen and Silicon Emitted from T-tube Plasma T-tube Plas-*

807 У угластим заградама словом азбуке означен је одељак у библиографији иза кога стоји редни број.

ma, Atoms, **7**, 8(1-13); SPIG 2018, eds. Goran Poparić, Bratislav Obradović Duško Borka, Milan Rajković, MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 73.

5. **M**. **S**. **Dimitrijević and P**. **Grujić: 1978, J**. **Quant**. **Spectrosc**. **Radiat**. **Transfer 19, 407 [A 4]**.

9. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.

6. **M**. **Platiša, M**. **Dimitrijević, N**. **Konjević: 1978, Astron**. **Astrophys**. **67, 103 [A 5]**.

17. Peláez, R. J., Djurović, S., Ćirišan, M., Rodriguez, F., Aparicio, J. A., Mar, S.: 2008, *Ne II Stark width and shift regularitiess*, Astrophysical Journal **687**, 1423.
18. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.
19. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.

7. **J**. **Purić, M**. **S**. **Dimitrijević, I**. **S**. **Lakićević: 1978, Phys**. **Lett**. **67A, 189 [A 6]**.

22. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II,and Ba II spectral lines,* Astron. Astrophys. **555**, A144.

8. **M**. **Dimitrijević, N**. **Konjević : 1978, JQSRT 20, 223 [A 7]**.

4. Seaton, M. J.: 1995, *Atomic data for opacity calculations V*. *Electron impact broadening of some C III lines*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 147.

9. **M**. **Platiša, M**. **Popović, M**. **Dimitrijević, N**. **Konjević: 1979, JQSRT 22, 333 [A9]**.

15. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
16. Wang Kaiping, Maogen Su, Shiquan Cao, Pengpeng Ma, Duixiong Sun, Qi Min, Chenzhong Dong: 2020, *Diagnosis of electron temperature and density in the early stage of laser-produced Si plasma expansion,* Physics of Plasmas, **27**, 063513.

10. **M**. **S**. **Dimitrijević, N**. **Konjević: 1980, JQSRT 24, 451 [A 12]**.

119. Decker, Chris D., London, Richard, A.: 1997, *High Gains for a Ni-like Tungsten X-ray Laser operating in a Transient Regime*, Soft X-Ray Lasers and Applications II, eds. Jorge J. G. Rocca, Luiz B. Da Silva, Proceedings of SPIE **3156**, 94.

120. Rogers, F. J., Iglesias, C. A.: 1998, *Opacity and the equation of state*, A half century of stellar pulsation interpretations, eds. P. A. Bradley, J. A. Guzik, ASP Conference Series, **135**, 254.
121. Dappen, W., Guzik, J. A.: 2000, *Astrophysical equation of state and opacity*, Variable stars as essential astrophysical tools, ed. Ibanoglu, C., NATO Advanced Science Institutes Series C, Mathematical and Physical Sciences, **544**, 177.
122. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Theoretical calculations of electron impact broadening of Al X lines*, High Power Laser and Particle Beams **13**, 583.
123. Fengtao Jin, Jiaolong Zeng, Jianmin Yuan: 2003, *Radiative opacities and configuration interaction effects of hot iron plasma using a detailed term accounting model*, Physical Review E **68**, 066401.
124. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2004, *Quantum-mechanical Stark broadening calculations of Ne VII spectral lines in intermediate coupling*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 43.
125. Elton, R. C., Ghosh, J., Griem, H. R.: 2004, *Resolving an anomaly between measured spectral linewidths of n = 3 transitions in N II and O III spectra*, Physical Review E **69**, 067403.
126. Ferri, S., Blancard, C., Calisti, A., Cornille, M., Faussurier, G, Talin, B.: 2004, *Electric microfield distribution calculations of a hot chlorine plasma at solid density*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 448.
127. Ivković, M. Ben Nessib, N. Konjević, N.: 2004, *Stark broadening of $3s3P^0$ – 3p3D transition along carbon isoelectronic sequence of ions*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade 2004, 285.
128. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
129. Jiaolong Zeng, Guoxuan Dong, Gang Zhao, Jianmin Yuan: 2004, *The photoionization of Fe^{7+} and Fe^{8+} in the 2p-3d resonance energy region*, Journal of Physics B **37**, 2529.
130. Kubes, P., Kravarik, J., Klir, D., Barvir, P.: 2004, *Influence of CD 2 fiber on the compression in the PF–1000 facility*, Czechoslovak Journal of Physics, **54**, Suppl. C, 285.
131. Lesage, A., Fuhr, J. R.: 2004, *Stark broadening parameters*. *Experimental and theoretical*, Proceedings of the 17th International Conference on

Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 137.
132. Sahal – Bréchot, S.: 2004, *A tribute to Henri van Regemorter: Line shapes, collisions and radiation*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 311.
133. Skladnik–Sadowska, E., Sadowski, M. J., Malinowski, K.: 2004, *Time–resolved electron density measurements in PF–1000 device by means of the Mechelle 900 optical spectrometer*, Czechoslovak Journal of Physics, **54**, Suppl. C 239.
134. Fengtao Jin, Jianmin Yuan: 2005, *Detailed diagnostics for a hot bromine plasma by the open M-shell opacity*, Physical Review E **72**, 016404.
135. Ivković, M., Ben Nessib, N., Konjević, N.: 2005, *Stark broadening of $3s^3P^0 – 3p^3D$ and $3p^3D – 3d^3F^0$ transitions along carbon isoelectronic sequences of ions revisited*, Journal of Physics B **38**, 715.
136. Konjević, N., Fuhr, J. R., Lesage, A., Wiese, W. L.: 2005, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms, A Critical Review of Selected Data for the Period 1989 Through 2000 (Updated 2005 version)*, l'Observatoire de Paris.
137. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.
138. Simić, Z.: 2005, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma*, Memorie della Societa Astronomica Italiana Supplementi **7**, 122.
139. Skladnik-Sadowska, E., Sadowski, M. J., Malinowski, K., Tsarenko, A. V., Tereshin, S. A.: 2005, *Preliminary temporal characteristics of spectral lines emission from PF-1000 discharges by means of Mechelle 900 spectrometer,* Problems of Atomic Science and Technology, No 1, Series: Plasma Physics (10), 86.
140. Srećković, A., Bukvić, S., Djeniže, S.: 2005, *Measured Stark Widths in the O III Spectrum*, Physica Scripta **71**, 218.
141. Chebotarev, V. V., Garkusha, I. E., Ladygina, M. S., Marchenko, W., Petrov, A. K., Solyakov, Yu. V., Tereshin, D. G., Trubchaninov, V. I., Tsarenko, A. V.: 2006, Czechoslovak Journal of Physics, 56 , Suppl. B, 335.
142. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2006, *Stark Widths for low intensity Xe II Lines*, 23rd Summer School and International Symposium on the Physics of the Ionized Gases, August 28 – September 1st 2006, Kopaonik, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, eds. N. S. Simonović, B. P. Marinković, Lj. Hadžievski, Institute of Physics, Belgrade, 287.
143. Djeniže, S., Srećković, A. Nikolić, Z.: 2006, *On the Sn I and Sn II Stark broadening*, Journal of Physics B **39**, 3037.

144. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2006, *Stark widths of Xe II lines in a pulsed plasma*, J. Phys. B **39**, 2901.
145. Gigosos, M. A., Gonzales, M. A., Konjević, N.: 2006, *Temperature Dependence of Stark Broadening Dominated by Strong Collisions*, Spectral Line Shapes, 18th International Conference on Spectral Line Shapes, Auburn, Alabama 4-9 June 2006, eds. E. Oks, M. Pindzola, AIP Conference Proceedings **874,** 35.
146. Gigosos, M. A., González, M. Á., Konjević, N.: *On the Stark broadening of Sr^+ and Ba^+ resonance lines in ultracold neutral plasmas*, European Physical Journal D **40**, 57.
147. Griem, H. R., Ralchenko, Yu.: 2006, *Are the Discrepancies between measured and calculated Electron Impactt Widths of Isolated Ion Lines due to Non-Equilibrium Level Populations*?, Spectral Line Shapes, 18th International Conference on Spectral Line Shapes, Auburn, Alabama 4-9 June 2006, eds. E. Oks, M. Pindzola, AIP Conference Proceedings **874,** 14.
148. Hoarty, D. J., Bentley, C. D., Crowley, B. J. B., Davidson, S. J., Gales, S. G., Graham, P., Harris, J. W. O., Iglesias, C. A., James, S. F., Smith, C. C.: 2006, *The effect of line-broadening on the overall width of transition arrays in dense plasmas,* Journal of Quantitative Spectroscopy and Radiative Transfer **99**, 283.
149. Iglesias, E. J., Ghosh, J., Elton, R. C., Griem, H. R.: 2006, *Spectral-line width measurements in Ar II from a laser-heated gas-puff plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer **98**, 101.
150. Jiaolong Zeng, Fengtao Jin, Jianmin Yuan: 2006, *Radiative opacity of plasmas studied by detailed term (level) accounting approaches*, Frontiers in Physics, China, **4**, 468.
151. Mijatović, Z., Gajo, T., Vujičić, B., Djurović, S., Kobilarov, R.: 2006, *On the Stark Broadening of Ar II 472.68 nm Spectral Line*, 23rd Summer School and International Symposium on the Physics of the Ionized Gases, August 28 – September 1st 2006, Kopaonik, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, eds. N. S. Simonović, B. P. Marinković, Lj. Hadžievski, Institute of Physics, Belgrade, 323.
152. N'Dollo, Donga-Passi, J.: 2006, *Modified semi-empirical calculations of the Ga II Stark widths in the visible spectral region*, Physica Scripta **74**, 208.
153. Peach, G.: 2006, *Collisional broadening of spectral lines*, in Springer Handbook of Atomic, Molecular, and Optical Physics, ed. G. W. F. Drake, Springer, 875.
154. Cheron, B. G., Bultel, A., Delair, L.: 2007, *Experimental study of a double arc nitrogen plasma: Static and dynamic behavior,* IEEE Transactions of Plasma Science **35**, 498
155. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2007, *Stark Broadening Measurements of Low-intensity Xe II Lines in Pulsed Discharges*, Journal of Research in Physics **31**, 11.

156. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, A., Mar, S.: 2007, *Stark Broadening Measurements of Ionized Xenon Lines from 6s – 6p Transitions*, Sixth International Conference of the Balkan Physical Union, eds. S. A. Cetin, I. Hikmet, American Institute of Physics Conference Proceedings **899**, 696.
157. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2007, *Quantum-mechanical calculations of Ne VII spectral line widths*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.
158. Gilleron, F., Bauche, J., Bauche-Arnoult, C.: 2007, *A statistical approach for simulating detailed-line spectra*, Journal of Physics B **40**, 3057.
159. Jianmin Yuan: 2007, *Atomic data for opacity calculations*, 5th International Conference: Atomic and Molecular Data and their Applications, ed. E. Roueff, AIP Conference Proceedings **901**, 221.
160. Mayo, R., Bouzas, V., Ortiz, M.: 2007, *Experimental Stark widths for Ni II*, "Lecture Notes and Essays in Astrophysics. III", after the III Astophysics Simposium during the XXXI Scientific biannual meeting of the Royal Spanish Physical Society (RSEF), Granada, Spain, September 10-14, 2007, 1-4.
161. Mijatović, Z., Gajo, T., Vujičić, B., Djurović, S., Kobilarov, R.: 2007, *On the Stark shift of Ar II 472.68 nm spectral line*, Sixth International Conference of the Balkan Physical Union, eds. S. A. Cetin, I. Hikmet, American Institute of Physics Conference Proceedings **899**, 700.
162. Milosavljević, V., Karkari, S. K., Ellingboe, A. R.: 2007, *Characterization of the pulse plasma source,* Plasma Sources Science and Technology **16**, 304.
163. Alonso-Medina, A., Colon, C., Zanon, A.: 2008, *Theoretical study of Stark width and shift parameters of Pb III lines: Predictions and regularities*, Monthly Notices of the Royal Astronomical Society **385**, 261.
164. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
165. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
166. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gasplasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
167. Mayo, R., Ortiz, M., Plaza, M.: 2008, *Measured Stark widths of several Ni II spectral lines*, Journal of Physics B **41**, 095702.
168. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.

169. Mayo, R., Ortiz, M.: 2008, *Measurements of some Zn II Stark widths*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 311.
170. Mijatović, Z., Gajo, T., Vujičić, B., Djurović, S., Kobilarov, R.: 2008*, On the Stark Widths and Shifts of Ar II 472.68 nm Spectral Line*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 69.
171. Mijatović, Z., Gajo, T., Vujičić, B., Djurović, S., Kobilarov, R.: 2008*, On the Stark Widths and Shifts of Ar II 472.68 nm Spectral Line*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 69.
172. Rodriguez, R., Florido, R., Gil, J. M., Rubiano, J. G., Martel, P., Minguez, E.: 2008, *RAPCAL code: A flexible package to compute radiative properties for optically thin and thick low and high-Z plasmas in a wide range of density and temperature*, Laser and Particle Beams **26**, 433.
173. Skladnik-Sadowska, E., Malinowski, K., Marchenko, A., Sadowski, M. J., Scholz, M., Karpinski, L., Paduch, M., Ziehnska, B., Gribkov, V. A.: 2008, *Studies of pulsed plasma-ion streams during their free propagation and interaction with carbon-tungsten targets in PF-1000 facility,* Plasma 2007, eds. Hartfuss, H. J., Dudeck, M., Musielok, J., Sadowski, M. J., AIP Conference Proceedings, **993**, 365.
174. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
175. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
176. Kunze, H-J: 2009, *Introduction to Plasma Spectroscopy*, Springer Series on Atomic Physics **56**, Springer, Dordrecht.
177. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
178. Li, Yongqiang, Wu, Jianhua, Hou, Yong, Yuan, Jianmin: 2009, *Radiative opacities of hot and solid-dense aluminium plasmas using a detailed level accounting model,* Journal of Physics B, **42**, 235701.
179. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.
180. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.
181. Alonso-Medina, A., Colón, C., Montero, J. L., Nation, L.: 2010, *Stark broadening of PbIV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **401**, 1080.

182. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
183. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.
184. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
185. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
186. Zeng Jiaolong, Gao Cheng, Yuan Jianmin: 2010, *Detailed investigations on radiative opacity and emissivity of tin plasmas in the extreme-ultraviolet region,* Physical Review E, **82,** 6409.
187. Zanon, A., Alonso-Medina, A., Colon, C.: 2010, *Core polarization effect for the Stark broadening of Pb III spectral lines predictions and regularities,* International Review of Atomic and Molecular Physics, **1(1)**, 1.
188. Alonso-Medina, A.: 2011, *Measured Stark widths of several spectral lines of Pb III,* Spectrochimica Acta B, **66**, 439.
189. Alonso-Medina, A., Colón, C.: 2011, *Stark broadening of Sn III spectral lines of astrophysical interest, Prediction and Regularities,* Monthly Notices of the Royal Astronomical Society **414**, 713.
190. Azzouz, Youssef, Belkacem Ferhat: 2011, *Effet des microchamps quasi-statiques sur le profile d'une raie,* Séminaire International sur la Physique des Plasma, SIPP'2011, Ouargla, Algerie, 255.
191. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2011, *Stark broadening of Kr UV spectral lines*, Physical Review A **83**, 012513.
192. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.
193. Djurović, S., Mar, S., Peláez, R. J., Aparicio, J. A.: 2011, *Stark broadening of ultraviolet Ar III lines*, Monthly Notices of the Royal Astronomical Society **414,** 1389.
194. Gao Cheng, Zeng Jiaolong, Yuan Jianmin: 2011, *Plasma screening effects on the atomic structure and radiative opacity of dense carbon plasmas based on the DLA model,* High Energy Density Physics **7**, 54.
195. Jovović, J., Stojadinović, S., Šišović, N. M., Konjević, N.: 2011, *Spectroscopic characterization of plasma during electrolytic oxidation (PEO) of aluminium*, Surface and Coatings Technology **206**, 24.
196. Mar, S., Aparicio, J. A., Calisti, A., Ćirišan, M., de la Rosa, M. I., del Val, J. A.: 2011, *Research areas of the Plasma Spectroscopy Group at the University of Valladolid,* Optica Pura y Aplicada **44**, 433.

197. Wendt, M.: 2011, *Net emission coefficients of argon iron plasmas with electron Stark widths scaled to experiments,* Journal of Physics D, **44**, 125201.
198. Duan, B., Bari, M. A., Wu, Z. Q., Jun, Y., Li, Y. M., Wang, J. G..: 2012, *Relativistic quantum mechanical calculations of electron-impact broadening for spectral lines in Be-like ions*, Astronomy and Astrophysics, **547**, A4.
199. Elabidi, Haykel, Ben Nessib, Nébil, Sahal-Bréchot, Sylvie: 2012, *Electron impact broadening of Si IV spectral lines: Comparison with recent experiments,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1606.
200. Gajo, T., Savić, I., Kobilarov, R., Mijatović, Z.: 2012, *Stark widths of several Ar II spectral lines emitted from pulsed arc plasma*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 313.
201. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.
202. Wenjun Xiang, Jiaolong Zeng, Yongsheng Fu, Cheng Gao: 2012, *Detailed Theoretical Investigations on the L-Shell Absorption of Open-M-Shell Germanium Plasmas: Effect of Autoionization Resonance Broadenins,* Journal of Modern Physics, **3**, 1670.
203. Wenjun Xiang, Yongsheng Fu, Cheng Gao, Jiaolong Zeng: 2012, *Autoionization widths of open-M-shell germanium ions: effects on inner-shell absorptions*, Physica Scripta, **86**, 045302.
204. Benredjem, D., Mondet, G., Calisti, A., Gilleron, F., Pain, J. –C.: 2013, *Opacity of germanium and silicon in ICF plasmas*, High Power Lasers for Fusion research II, Conference on High Power Lasers for Fusion Research II, San Francisco, ed. Awwal, A. A.S., Proceedings of SPIE, **8602**, 60205.
205. Chen, C. S., Man, B. Y., Liu, D., Song, X., Chen, X. J.: 2013, *Investigation of Ti III line broadening in a laser-induced plasma*, Journal of Physics B: Atomic, Molecular, and Optical Physics, **46**, 015701.
206. Cirisan, M., Cvejić, M., Gavrilović, M. R. Jovićević, S., Konjević, N., Hermann, J.: 2013, *Stark broadening measurement of Al II lines in a laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **133**, 652.
207. Cressault, Y., Gleizes, A.: 2013, *Thermal plasma properties for Ar-Al, Ar-Fe and Ar-Cu mixtures used in welding plasmas processes: I. Net emission coefficients at atmospheric pressure*, Journal of Physics D: Applied Physics, **46**, 415206 .
208. Djurović, S., Belmonte, M. T., Peláez, R. J., Aparicio, J. A., Mar, S. : 2013, *Stark parameter measurement of Ar II UV spectral lines*, Monthly Notices of the Royal Astronomical Society, **433**, 1082.

209. Gajo, T., Mijatović, Z., Savić, I., Djurović, S., Kobilarov, R.: 2013, *Stark widths and shifts of Ar II spectral lines in visible part of spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **127**, 119.
210. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2014, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, Atoms, **2**, 207.
211. Comet, M., Gosselin, G., Meot, V., Morel, P., Pain, J.-C.: 2015, *Nuclear excitation by electron transition rate confidence interval in a equilibrium plasma ^{201}Hg local thermodynamic,* Physical Review C, **92**, 054609.
212. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2015, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 121.
213. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
214. Upcraft, L. M., Jeffery, M., Harris, J. W. O.: 2015, T*he DAVROS opacity code: Detailed term accounting calculations for LTE plasmas*, High Energy Density Physics, **14**, 59.
215. Wilson, Brian G., Iglesias, Carlos A., Chen, Mau H.: 2015, *Partially resolved super transition array method,* High Energy Density Physics, **14**, 67.
216. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
217. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Stark halfwidths of several O II spectral lines*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 236.
218. Gilles, D., Busquet, M., Gilleron, F., Klapisch, M., Pain, J. -C.: 2016, *Configuration interaction effect on open M shell Fe and Ni LTE spectral opacities, Rosseland and Planck means*, Journal of Physics: Conference Series **717,** 012017.
219. Rao Kavya H., Smijesh, N., Nivas Jijil J. J., Reji Philip: 2016, *Ultrafast laser produced zinc plasma: Stark broadening of emission lines in nitrogen ambient*, Physics of Plasmas **23**, 043503.
220. Krief, M., Feigel, A., Gazit, D.: 2016, *Solar Opacity Calculations Using the Super-transition-array Method*, Astrophysical Journal **821**, 45.
221. Benredjem, D., Calisti, A., Ferri, S., Gilleron, F., Mondet, G., Pain, J. -C.: 2017, *Opacity spectra of silicon and carbon in ICF plasmas,* AIP Conference Proceedings **1811**, 190002.

222. Pain, J.-C., Gilleron, F., Comet, M., Gilles, D.: 2017, *K-shell spectroscopy in hot plasmas: Stark effect, Breit interaction and QED corrections,* AIP Conference Proceedings **1811**, 040004.
223. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
224. Gavanski Lazar: 2018, *Measurement of Stark halfwidths of spectral lines of ionized oxygen and silicon, emitted from T-tube plasma*, 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 140.
225. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
226. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
227. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.
228. Trklja Nora, Dojčinović Ivan P., Tapalaga Irinel, Purić Jagoš: 2018, *Investigation of Stark line broadening within sodium isoelectronic sequence,* 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 182.
229. Trklja Nora, Dojčinović Ivan P., Tapalaga Irinel, Purić Jagoš: 2018, *Stark width regularities wiythin spectral series of the copper isoelectronic sequence,* The XII Symposium of Belarus and Serbia on Physics and Diagnostics of Laboratory and Astrophysical Plasmas, August 27-31, 2018, Belgrade, Serbia, Proceedings, eds. M. M. Kuraica, B. M. Obradović, N. Cvetanović, Faculty of Physics, 83.
230. Gavanski, L.: 2019, *Measurement of Stark Halfwidths of Spectral Lines of Ionized Oxygen and Silicon Emitted from T-tube Plasma T-tube Plasma*, Atoms, **7**, 8(1-13); SPIG 2018, eds. Goran Poparić, Bratislav Obradović Duško Borka, Milan Rajković, MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 73.

231. Elabidi, H., Sahal-Bréchot, S.: 2019*, Stark line widths for N-like ions Na V, Mg VI , Al VII , and Si VIII. Z–scaling*, Monthly Notices of the Royal Astronomical Society, **484**, 1072.
232. Hannachi, R., Ben Nasr, S., Cressault, Z., Teulet, Ph., Béji, L.: 2019, *Net emission coefficient of complex thermal plasmas used in SWNT synthesis,* Journal of Physics D: Applied Physics **52**, 095203.
233. Wang, K. P., Su, M. G., Cao, S. Q., Ma, P. P., Sun, D. X., Min, Q., Dong, C. Z.: 2019, *Electron density diagnosis of laser-produced plasmas based on spectral line broadening of highly charged ions*, XXXI IInternational Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), 323-30 July 2019, Deauville, France, Book of Abstracts, Special Reports and Posters, Eds. H. Bachau, R. Brédy, O. Dulieu, E. Lamour, F. Penent, C. Prigent, M. Trassinelli, D. Vernhet, 723.
234. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2020, *Stark broadening measurements of Al II, Al III and He I 388.86 nm spectral lines at high electron densities,* Spectrochimica Acta Part B: Atomic Spectroscopy, **166**, 105816.
235. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.
236. Wang Kaiping, Maogen Su, Shiquan Cao, Pengpeng Ma, Duixiong Sun, Qi Min, Chenzhong Dong: 2020, *Diagnosis of electron temperature and density in the early stage of laser-produced Si plasma expansion,* Physics of Plasmas, **27**, 063513.
237. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.
238. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.
239. Kurzweil, Y., Polack-Schupper, N.: 2022, *Accuracy analysis of opacity models from transmission measurements in laser-produced plasmas,* Physics of Plasmas, **29**, 012704.
240. Tapalaga Irinel, Traparić Ivan, Trklja Boca Nora, Purić Jagoš, Dojčinović Ivan P.: 2022, *Stark spectral line broadening modeling by machine learning algorithms*, Neural Computing and Applications, https://doi.org/10.1007/s00521-021-06763-4

11. M. S. Dimitrijević, N. Konjević: 1981, in Spectral Line Shapes I, ed. B. Wende, W. de Gruyter, 211 [Д 1].

55. Kosarev, I. B.: 1999, *Calculation of thermodynamic and optical properties of the vapors of cosmic bodies entering the Earth's atmosphere,* Journal of Engineering Physics and Thermodynamics **72**, 1030.

56. Bukvić, S., Srećković, A.: 2004, *Stark parameters of two Ar III spectral lines in the $4s^5S^0 – 4p^5P$ transition*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade, 305.
57. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
58. Seaton, M. J., Badnell, N. R.: 2004, *A comparison of Rosseland-mean opacities from OP and OPAL*, Monthly Notices of the Royal Astronomical Society **354**, 457.
59. Srećković, A., Bukvić, S., Djeniže, S.: 2005, *Measured Stark Widths in the O III Spectrum*, Physica Scripta **71**, 218.
60. N'Dollo, Donga-Passi, J.: 2006, *Modified semi-empirical calculations of the Ga II Stark widths in the visible spectral region*, Physica Scripta **74**,10.
61. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
62. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin, Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
63. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
64. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
65. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

12. N. Konjević, M. S. Dimitrijević: 1981, in Spectral Line Shapes I, ed. B. Wende, W. de Gruyter, 241 [Д 2].

7. Djeniže, S., Srećković, A., Bukvić, S., 2007, *Role of the He I and He II metastables in the resonance 2p $^2P^o_{1/2,3/2}$ B III level population,* Astronomy and Astrophysics, **462**, 1.
8. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.

9. Šćepanović, M., Purić, J.: 2016, *Stark Parameter Dependence of the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Liness*, 9th International Physics Conference of the Balkan Physical Union (BPU-9), AIP Conference Proceedings **1722**, 240006.

13. **M**. **S**. **Dimitrijević, P**. **V**. **Grujić: 1981, J**. **Phys**. **B 14, 1663 [A 14]**.

14. Grujić, P. V., Lukić, D., Simonović, N.: 2005, *Double ionization by positrons near threshold*, Journal of Physics B **38**, 3147.

15. Ren, X., Dorn, A., Ulrich, J.: 2008, *Coulomb Four-Body Problem: Electron-Impact Double ionization of Helium in the Threshold Regime*, Physical Review Letters **101,** 093201.

14. **M**. **S**. **Dimitrijević, N**. **Feautrier, S**. **Sahal-Bréchot: 1981, J**. **Phys**. **B 14, 2559 [A 15]**.

7. Sahal – Bréchot, S.: *A tribute to Henri van Regemorter: Line shapes, collisions and radiation*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 311.

8. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2004, *Quantum mechanical calculations of the electron-impact broadening of spectral lines for intermediate coupling*, Journal of Physics B **37**, 63.

9. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.

10. Dojčinović, I. P., Tapalaga, I., Šćepanović, M., Purić, J.: 2012, *Stark broadening within 3s-np and 3d-np spectral lines of neutral lithium*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 249.

11. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.

12. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

15. **M**. **S**. **Dimitrijević, N**. **Konjević: 1981, Astron**. **Astrophys**. **102, 93 [A 16]**.

6. Sahal – Bréchot, S.: *A tribute to Henri van Regemorter: Line shapes, collisions and radiation*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 311.

16. **M**. **S**. **Dimitrijević: 1982, Astron**. **Astrophys**. **112, 251 [A 18]**.

11. Kubat, J.: 2003, *NLTE formation of oxygen lines in irradiated stellara atmospheres*, Proceedings of the 210th Symposium of the IAU, Uppsala, Sweden, 17-21 June 2002, eds. N. Piskunov, W. W. Weiss, D. F. Gray, Int. Astron. Union 2003, CD-rom, B6.

12. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2005, *Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **71**, 190.
13. Banaz, O., Günter, S., Wierling, A., Röpke, G.: 2006, *Neutral helium spectral lines in dense plasmas*, Physical Review E **73**, 056405.
14. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.
15. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
16. Zielinska, S., Pellerin, S., Dzierzega, K., Valensi, F., Musiol, K., Briand, F.: 2010, *Measurement of atomic Stark parameters of many Mn I and Fe I spectral lines using GMAW process*, Journal of Physics D, **43**, 434005.
17. Deprince, J., Bautista, M. A., Fritzsche, S., García, J. A., Kallman, T. R., Mendoza, C., Palmeri, P., Quinet, P.: 2019, *Plasma environment effects on K lines of astrophysical interest*. *I*. *Atomic structure, radiative rates*, Astronomy and Astrophysics **624**, A74.

17. **Milan S**. **Dimitrijević: 1982, in Sun And Planetary System, eds**. **W**. **Fricke, G**. **Teleki, Astrophysics and Space Science Library 96, D**. **Reidel P**. **C**., **Dordrecht, Boston, London, 101 [Д 3]**.

4. Manrique, J., Aguilera, J. A., Aragón, C.: 2016, *Experimental Stark widths and shifts of Ti II spectral lines*, Monthly Notices of Royal Astronomical Society, **462**, 1501.

18. **M**. **S**. **Dimitrijević, N**. **Konjević: 1983, JQSRT 30, 45 [A 19]**.

30. Corsi, M., Cristoforetti, G., Giuffrida, M., Hidalgo, M., Legnaioli, S., Palleschi, V., Salvetti, A., Tognoni, E., Vallebona, C.: 2004, *Three-dimensional analysis of laser induced plasmas in single and double pulse configuration*, Spectrochimica Acta B **59**, 723.
31. Cristoforetti, G., Legnaioli, S., Palleschi, V., Salvetti, A., Tognoni, E.: 2004, *Influence of ambient gas pressure on laser-induced breakdown spectroscopy technique in the parallel double-pulse configuration*, Spectrochimica Acta B **59**, 723.
32. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
33. Simić, Z.: 2005, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma*, Memorie della Societa Astronomica Italiana Supplementi **7**, 122.
34. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences

et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.

35. Namba, S., Fujioka, S., Sakaguchi, H., Nishimura, H., Yasuda, Y., Nagai, K., Miyanaga, N., Izawa, Y., Mima, K., Sato, K., Takiyama, K.: 2008, *Characterization of out-of-band radiation and plasma parameters in lase-/produced Sn plasmas for extreme ultraviolet lithography light sources*, Journal of Applied Physics **104**, 013305.
36. Wendt, M., Franke, St.: 2008, *Broadening constants of mercury lines as determined from experimental side-on spectra*, Journal of Physics D **41**, 7144018.
37. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
38. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
39. Demidov, A., Eschlböck-Fuchs, S., Kazakov, A. Ya., Gornushkin, I. B., Kolmhofer, P. J., Pedarnig, J. D., Huber, N., Heitz, J., Schmid, T., Rössler, R., Panne, U.: 2016, *Monte Carlo standardless approach for laser induced breakdown spectroscopy based on massive parallel graphic processing unit computing,* Spectrochimica Acta Part B: Atomic Spectroscopy, **125**, 97.
40. Blagojević Branimir, Ivković Milivoje, Konjević Nikola: 2018, *Semiclassical calculations of stark broadening parameters of He I lines revisited,* Journal of Quantitative Spectroscopy and Radiative Transfer, **217**, 278.
41. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2019, *Stark broadening and shift of selected Ge II spectral lines*, Monthly Notices of the Royal Astronomical Society, **484**, 3419.
42. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas,* Optik - International Journal for Light and Electron Optics, **202**, 163485.
43. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2020, *Stark broadening measurements of Al II, Al III and He I 388.86 nm spectral lines at high electron densities,* Spectrochimica Acta Part B: Atomic Spectroscopy, **166**, 105816.
44. Scheers, J., Schupp, R., Meijer, R., Ubachs, W.,1Hoekstra, R., Versolato, O. O.: 2020, *Time- and space-resolved optical Stark spectroscopy in the afterglow of laser-produced tin-droplet plasma,* Physical Review E **102**, 013204.

19. **M**. **S**. **Dimitrijević: 1983, Astron**. **Astrophys**. **<u>127</u>, 68 [A 22]**.

11. Gonzales, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2002, *Stark broadening and shift measdurements of visible Si II lines*, Journal of Physics B, **35**, 3557.

20. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1984, JQSRT 31, 301 [A 23]**.

48. Andersson, M., Pendrill, L. R.: 1984, *Improved measurements of the hyperfine structure of the 1s3s$^3S_1$ state of Helium 3*, Physica Scripta **30**, 403.
49. Sakhibullin, N. A., Schabert, W. J.: 1990, *Role of blending in the formation of helium singlet lines in the atmospheres of Bp stars*, Sov. Astron. Lett. **16**, 231.
50. Zboril, M., Žižnovsky, J., Zverko, J., Budaj, J.: 1992, *Elemental abundance analysis of Phi Herculis and Omicron Pegasi with coadded spectra,* Contrib. Astron. Obs. Skalnate Pleso **22**, 9.
51. Kubat, J.: *Calculation of spherically symmetric NLTE model atmospheres using Al Iand a thermal balance method,* Proceedings of the 210th Symposium of the IAU, Uppsala, Sweden, 17-21 June 2002, eds. N. Piskunov, W. W. Weiss, D. F. Gray, Int. Astron. Union 2003, CD-rom, A8.
52. Christova, M., Sahal-Bréchot, S., Allard, N., Calzada, M. D.: *Calculated Stark Parameters of the Ar I Spectral Line 518.8, 560.7 and 603.2 nm*, 17th International Conference on Spectral Line Shapes, Université Pierre et Marie Curie, Institut Henri Poincaré, Paris – France, 2004, 54.
53. Christova, M., Sahal-Bréchot, S., Allard, N., Calzada, M. D.: *Calculated Stark Parameters of the Ar I Spectral Line 518.8, 560.7 and 603.2 nm*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 394.
54. Catanzaro, G., Leone, F., Dall, T. H., 2004, *Balmer lines as T_{eff} and log g indicators for non-solar composition atmospheres, An application to the extremely helium-weak star HR 6000*, Astronomy and Astrophysics, **425**, 641.
55. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2004, *Semi-Classical Calculations of Stark Broadening Impact Theory of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **70**, 142.
56. Moscicki, T., Hoffman, J., Szymanski, Z.: 2004, *Emission coefficients of low temperature thermal iron plasma*, Czechoslovak Journal of Physics, **54**, Supplement C, C677.
57. Ding, M. D., Li, H., Fang, C.: 2005, *On the formation of the He I 10830 A line in a flaring atmosphere,* Astronomy and Astrophysics, **432**, 699.
58. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.
59. Banaz, O., Günter, S., Wierling, A., Röpke, G.: 2006, *Neutral helium spectral lines in dense plasmas*, Physical Review E **73**, 056405.
60. Mortimore, A. N., Lynas-Gray, A. E.: 2006, *Helium, Carbon and Silicon abundances in the HW Vir eclipsing binary subdwarf-B primary*, Baltic Astronomy **15**, 207.
61. Djeniže, S., Srećković, A., Bukvić, S.: 2005, *The first measured Stark width and shift of the 402.6186 nm He I line*, Zeitschrift für Naturforschung **60a**, 282.

62. Ivković, M., Ben Nessib, N., Konjević, N.: 2005, *Stark broadening of $3s^3P^o$ – $3p^3D$ and $3p^3D$ – $3d^3F^o$ transitions along carbon isoelectronic sequences of ions revisited*, Journal of Physics B **38**, 715.
63. Jovićević, S., Ivković, M., Zikić, R., Konjević, N.: 2005, *On the Stark broadening of Ne I lines and quasi-static versus ion impact approximation,* Journal of Physics B: Atomic, Molecular and Optical Physics **38**, 1249.
64. Eisenstein, D. J., Liebert, J., Koester, D., Kleinmann, S. J., Nitta, A., Smith, P. S., Barentine, J. C., Brewington, H. J., Brinkmann, J., Harvanek, M., Krzesinski, J., Neilsen, E. H., Long, D., Schneider, D. P., Snedden, S. A.: 2006, *Hot DB white dwarfs from the Sloan digital sky survey,* Astrophysical Journal, **132**, 676.
65. Koubiti, M., Capes, H., Godbert-Mouret, L., Marandet, Y., Meigs, A., Rosato, J., Rosmej, F. R., Stamm, R.: 2006, *Density Diagnostic Using Stark Broadening of He I Spectral Line Emission from Rydberg Levels,* Contributions to Plasma Physics **46**, 661.
66. Ben Shaouasha, H., Sahal-Bréchot, Ben Nessib, N.: 2007, *Semi-classical Stark broadening calculations of He I lines in a non-ideal plasma*, Astronomy and Astrophysics **456,** 651.
67. Cidale, L. S., Arias, M. L., Torres, A. F., Zorec, J., Frémat, Y., Cruzado, A.: 2007, *Fundamental parameters of He-weak and He-strong stars,* Astronomy and Astrophysics, **468**, 263.
68. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2007, *Quantum-mechanical calculations of Ne VII spectral line widths*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.
69. Labrosse, N., Goutebroze, P., Vial, J.-C., 2007, *Effect of motions in prominences on the helium resonance lines in the extreme ultraviolet,* Astronomy and Astrophysics, **463**, 1171.
70. Mościcki, T., Hoffman, J., Szymański, Z.: 2007, *Emission coefficients of low temperature iron-helium plasma mixture*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1778.
71. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
72. Moscicki, T., Hoffman, J., Szymanski, Z.: 2008, *Net emission coefficients of low temperature thermal iron-helium plasma*, Optica Applicata, **38**, 365.
73. Sale, S. E., Schoenaers, C., Lynas-Gray, A. E.: 2008, *A New Determination of Abundances for the Subdwarf B Star HD 4539*, Hot Subdwarf Stars and Related Objects, eds. U. Heber, S. Jeffery, R. Napiwotzki, ASP Conference Series, **392**, 109.
74. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison*

with semi-classical perturbation theory, European Physical Journal D **54**, 51.
75. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
76. Koubiti, M., Capes, H., Godbert-Mouret, L., Marandet, Y., Rosato, J., Stamm, R. : 2010, *Stark broadening of high-members of the helium diffuse series in divertor plasmas*, Journal of Physics B, **43**, 14, 144022.
77. Omar, B.: 2010, *Pressure Broadening of Some He I Lines*, International Journal of Spectroscopy **1**, 983578.
78. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
79. González, M. A., Ivković, M., Gigosos, M. A., Jovićević, S., Lara, N., Konjević, N.: 2011, *Plasma diagnostics using the He I 447.1nm line at high and low densities,* J. Phys. D: Appl. Phys. **44,** 194010.
80. Latour, M., Fontaine, G., Brassard, P., Green, E. M., Chayer, P., Randal, S. K..: 2011, *An analysis of the pulsating star SDSS J160043.6+074802.9 using new non-LTE model atmospherees and spectra for hot O subdwarfs,* Astrophysical Journal, **733,** 100.
81. Linnell, A. P., DeStefano, P., Hubeny, I.: 2012, *BINSYN: A Publicly Available Program for Simulating Spectra and Light Curves of Binary Systems with or without Accretion Disks*, Publications of the Astronomical Society of the Pacific, **124**, 885.
82. Cvejić, M., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2013, *Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser induced plasma*, Spectrochimica Acta Part B: Atomic Spectroscopy, **85**, 20.
83. Dodin, A. V., Lamzin, S. A., Sitnova, T. M.: 2013, *Non-LTE modeling of narrow emission components of He and Ca lines in optical spectra of classical T Tauri stars*, Astronomy Letters, **39**, 315. Додин, А. В., Ламзин, С. А., Ситнова, Т. М.: 2013, *Не-ЛТР моделирование узких эмиссионных компонент линий He и Ca в оптических спектрах классических звезд Т Тельца*, Письма в астрономический журнал: астрономия и космическая астрофизика, **39(5)**, 353.
84. Shikama Taiichi, Ogane Shuhei, Ishii Hidekazu, Iida Yohei, Hasuo Masahiro: 2014, *Measurements of helium 2^3S metastable atom density in low-pressure glow discharge plasmas by self-absorption spectroscopy of HeI 2^3S–2^3P transition*, Japanese Journal of Applied Physics, **53**, 086101.
85. Dodin, A. V.: 2015, *Non-LTE modeling of the structure and spectra of hot accretion spots on the surface of young stars*, Astronomy Letters, **41**, 196; Додин, А. В.: 2015, *Не-ЛТР моделирование структуры и спектра*

горячих аккреционных пятен на поверхности молодых звезд, Письма в астрономический журнал: Астрономия и космическая астрофизика, **41(5),** 219.

86. Winter, J., Santos Sousa, J., Sadeghi, N., Schmidt-Bleker, A., Reuter, S., Puech, V.: 2015, *The spatio-temporal distribution of He (2^3S_1) metastable atoms in a MHz-driven helium plasma jet is influenced by the oxygen/nitrogen ratio of the surrounding atmosphere*, Plasma Sources Science and Technology, **24**, 025015.
87. Gajo, T., Ivković, M., Konjević, N., Savić, I., Djurović, S., Mijatović, Z., Kobilarov, R.: 2016, *Stark shift of neutral helium lines in low temperature dense plasma and the influence of Debye shielding*, Monthly Notices of the Royal Astronomical Society **455**, 2969.
88. Shikama, T., Ogane, S., Iida, Y., Hasuo, M.: 2016, *Measurement of the helium 2^3S metastable atom density by observation of the change in the $2^3S–2^3P$ emission line shape due to radiation reabsorption*, Journal of Physics D: Applied Physics, **49**, 025206.
89. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
90. Donkó Zoltán, Hamaguchi Satoshi, Gans Timo: 2018, *The effect of photoemission on nanosecond helium microdischarges at atmospheric pressure*, Plasma Sources Science and Technology, **27**, 054001.
91. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
92. Kalari, V. M., Vink, J. S., Dufton, P. L., Fraser, M.: 2018, *How common is LBV S Doradus variability at low metallicity?*, Astronomy and Astrophysics **618,** A17.
93. Sahin, T.: 2018, *High Resolution Optical Spectroscopy of an Intriguing High-Latitude B-Type Star HD119608*, Astrophysical Bulletin, **73**, 35.
94. Шахин, Т.: 2018, *Оптическая спектроскопия высокого разрешения необычной высокоширотной звезды класса B HD 119608*, Астрофизический бюллетень, **73**, 37.
95. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 2019, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
96. Şahin Timur, Dervişoglu Ahmet: 2019 , *High Resolution Optical Spectroscopy of a B-type Abundance Standard Candidate in Ori OB1—HD 35039*, Astronomy Letters, **45,** 528.
97. Shikama Taiichi, Shinichiro Kado, Hiroyuki Okada, Satoshi Yamamoto, Leo Matsuoka , Toru Mizuuchi , Takashi Minami, Shinji Kobayashi,

Kazunobu Nagasaki, Shinsuke Oshima,Yuji Nakamura, Akihiro Ishizawa, Shigeru Konoshima, Masahiro Hasuo: 2019, *Near-infrared Zeeman spectroscopy for the spatially resolved measurement of helium emission spectra in Heliotron*, Plasma Physics and Controlled Fusion, **61**, 125001.

98. Bédard, A., Bergeron, P., Brassard, P., Fontaine, G.: 2020, *On the Spectral Evolution of Hot White Dwarf Stars. I. A Detailed Model Atmosphere Analysis of Hot White Dwarfs from SDSS DR12,* Astrophysical Journal, **901**, 93.
99. Bloomfield, L. A., Gerhardt, H., Hansch, T. W., Rand, S. C.: 2020, *Nonlinear UV-laser spectroscopy of the 2 ^{3}S-5 ^{3}P transition in ^{3}He and ^{4}He,* Optics Communications, **42**, 247.
100. Sadeghi, N., Goto, M.: 2020, *Doppler-free, laser saturated absorption profile of 414 nm helium line for plasma density measurements,* Journal of Quantitative Spectroscopy and Radiative Transfer, **245,** 106875.
101. Tremblay Patrick, Beauchamp, A., Bergeron, P.: 2020, *New Calculations of Stark-broadened Profiles for Neutral Helium Lines Using Computer Simulations,* Astrophysical Journal, **901**, 104.
102. Weihong Yang, Shi Jiang, Li Chen, Xingwen Li, Kunquan Gu, Yuzhe He, Weihao Li: 2021, *Transient heat thermal load characteristics produced by a three-electrode capillary discharge generator,* Physics of Plasmas **28**, 113503.

21. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1984, Astron**. **Astrophys**. **136, 289 [A 24]**.

14. Banaz, O., Günter, S., Wierling, A., Röpke, G.: 2006, *Neutral helium spectral lines in dense plasmas*, Physical Review E **73**, 056405.
15. Eisenstein, D. J., Liebert, J., Koester, D., Kleinmann, S. J., Nitta, A., Smith, P. S., Barentine, J. C., Brewington, H. J., Brinkmann, J., Harvanek, M., Krzesinski, J., Neilsen, E. H., Long, D., Schneider, D. P., Snedden, S. A.: 2006, *Hot DB white dwarfs from the Sloan digital sky survey,* Astrophysical Journal, **132**, 676.
16. Koubiti, M., Capes, H., Godbert-Mouret, L., Marandet, Y., Meigs, A., Rosato, J., Rosmej, F. R., Stamm, R.: 2006, *Density Diagnostic Using Stark Broadening of He I Spectral Line Emission from Rydberg Levels,* Contributions to Plasma Physics **46**, 661.
17. Ben Shaouasha, H., Sahal-Bréchot, Ben Nessib, N.: 2007, *Semi-classical Stark broadening calculations of He I lines in a non-ideal plasma*, Astronomy and Astrophysics **456,** 651.
18. Koubiti, M., Capes, H., Godbert-Mouret, L., Marandet, Y., Rosato, J., Stamm, R. : 2010, *Stark broadening of high-members of the helium diffuse series in divertor plasmas*, Journal of Physics B, **43**, 14, 144022.
19. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

20. Azzouz, Youssef, Belkacem Ferhat: 2011, *Effet des microchamps quasistatiques sur le profile d'une raie,* Séminaire International sur la Physique des Plasma, SIPP'2011, Ouargla, Algerie, 255.
21. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within several spectral series of neutral potassium,* Proceedings of the IX Belarusian-Serbian symposium "Physics and diagnostics of laboratory and astrophysical plasmas" (PDP-9), September 16-21, 2012, Minsk, Belarus, eds. V. I. Arkhipenko, V. S. Burakov, V. K. Goncharov, The National academy of sciences of Belarus, B. I. Stepanov institute of physics, Minsk, 71.
22. Duan Bin, Wu Ze-King, Yan Jun, Li Yue-Ming, Wang Jian-Guo: 2012, *Electron broadening of the resonance lines of Ar^{+17} and Ar^{+16},* (на кинеском), Acta Physica Sinica **61**, 043204.
23. Duan, B., Bari, M. A., Wu, Z. Q., Jun, Y., Li, Y. M.: 2012, *Electron broadening of the resonance lines of Ar^{+17} and Ar^{+16},* (на кинеском), Acta Physica Sinica **61**, 043204.
24. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Widths and shifts of spectral lines in He II ions produced by electron impact,* Physical Review A, **86**, 052502.
25. Bouret, J.-C., Lanz, T., Martins, F., Marcolino, W. L. F., Hillier, D. J., Depagne, E., Hubeny, I.: 2013, *Massive stars at low metallicity*. *Evolution and surface abundances of O dwarfs in the SMC*, Astronomy and Astrophysics, **555**, A1.
26. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.
27. Kılıçoğlu, T., Monier, R., Richer, J., Fossati, L., Albayrak, B.: 2016, *Chemical Composition of Intermediate-mass Star Members of the M6 (NGC 6405) Open Cluster*, Astronomical Journal **151**, 49.
28. Buysschaert, B., Neiner, C., Briquet, M., Aerts, C.: 2017, *Magnetic characterization of the SPB/β Cep hybrid pulsator HD 43317,* Astronomy and Astrophysics, **605**, A104.
29. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.
30. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 20129, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
31. Monier, R., Griffin, E., Gebran, M., Kılıçoğlu, T., Merle, T., Royer, F.: 2019, T*he Chemical Compositions of the Two New HgMn Stars HD 30085 and HD 30963: Comparison to χ Lupi A, ν Cap, and HD 174567*, Astronomical Journal, **158**, 157,

22. **M**. **S**. **Dimitrijević: 1984, J**. **Phys B 17, L283 [A 25]**.

4. Nieuwesteeg, K. J., Leegwater, J. A., Hollander, T. J., Alkemade, C. Th. J.: 1987, *A study of collisional broadening of the Na D lines by neon and xenon perturbers: I. The line core*, Journal of Physics B **20**, 487.

23. **N**. **Konjević, M**. **S**. **Dimitrijević, W**. **L**. **Wiese: 1984, J**. **Phys**. **Chem**. **Ref**. **Data 13, 649 [Б 1]**.

85. Hamzaoui, S., Djurović, S., Ćirišan, M., Ben Lakhdar, Z.: 2004, *Study of the broadening mechanisms in plasmas of wall stabilized electric arc,* Journal of Research in Physics **30**, 67.
86. Lesage, A., Fuhr, J. R.: 2004, *Stark broadening parameters*. *Experimental and theoretical*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 137.
87. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
88. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2006, *Stark Widths for low intensity Xe II Lines*, 23rd Summer School and International Symposium on the Physics of the Ionized Gases, August 28 – September 1st 2006, Kopaonik, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, eds. N. S. Simonović, B. P. Marinković, Lj. Hadžievski, Institute of Physics, Belgrade, 287.
89. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2006, *Srark widths of Xe II lines in a pulsed plasma*, J. Phys. B **39**, 2901.
90. Gigosos, M. A., González, M. Á., Konjević, N.: *On the Stark broadening of Sr^+ and Ba^+ resonance lines in ultracold neutral plasmas*, European Physical Journal D **40**, 57.
91. Bredice, F., Borges, F. O., Sobral, H., Villagran-Muniz, M., Di Roco, H. O., Cristoforetti, G., Legnaioli, S., Palleschi, V., Salvetti, A., Tognoni, E.: 2007, *Measurement of Stark broadening of Mn I and Mn II spectral lines in plasmas used for Laser-Induced Breakdown Spectroscopy,* Spectrochimica Acta B **62**, 1237.
92. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2007, *Stark Broadening Measurements of Low-intensity Xe II Lines in Pulsed Discharges*, Journal of Research in Physics **31**, 11.
93. Schneidenbach, H., Uhrlandt, D., Franke, St., Seeger, M.: 2007, *Temperature profiles of an ablation controlled arc in PTFE: II*. *Simulation of side-on radiances*, Journal of Physics D **40**, 7402.
94. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008*, Experimental Stark Shift of some XeII Lines*,, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 52.

95. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
96. Konjević, N.: 2008*, Comparison of theories and experiments*, in Dufty, J., Konjević, N., Lisitsa, V., Stamm, R., *A roundtable on the first 50 years of quantum theories of Stark broadening*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
97. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
98. Lesage, A.: 2008*, Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
99. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
100. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
101. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.
102. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.
103. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
104. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.
105. Zielinska, S., Pellerin, S., Dzierzega, K., Valensi, F., Musiol, K., Briand, F.: 2010, *Measurement of atomic Stark parameters of many Mn I and Fe I spectral lines using GMAW process*, Journal of Physics D, **43**, 434005.
106. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.
107. Tapalaga, I., Dojčinović, I. P., Purić, J.: 2011, *Stark width regularities within magnesium spectral series*, Monthly Notices of the Royal Astronomical Society **415**, 503.

108. Djurović, S., Mijatović, Z., Kobilarov, R., Savić, I.: 2012, Characteristics of a pulsed wall-stabilized arc plasma at atmospheric pressure, Plasma Sources Science and Technology, **21**, 025007.
109. Gajo, T., Savić, I., Kobilarov, R., Mijatović, Z.: 2012, *Stark widths of several Ar II spectral lines emitted from pulsed arc plasma*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 313.
110. Peláez, R. J., Mar, S., Aparicio, J. A., Belmonte, M. T.: 2012, *Integration of an Intensified Charge-Coupled Device (ICCD) Camera for Accurate Spectroscopic Measurements*, Applied Spectroscopy, **66**, 970.
111. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact widths and shifts of SrII lines in ultracold neutral plasmas*, Physical Review A **87**, 032505.
112. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II,and Ba II spectral lines,* Astron. Astrophys. **555**, A144.
113. Gajo, T., Mijatović, Z., Savić, I., Djurović, S., Kobilarov, R.: 2013, *Stark widths and shifts of Ar II spectral lines in visible part of spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **127**, 119.
114. Hanif, M., Salik, M., Baig, M. A.: 2013, *Laser-induced breakdown spectroscopic study of ammonium nitrate plasma,* Plasma Physics Reports , **39**, 1019.
115. Achouri, M., Baba-Hamed, T., Beldjilali, S. A., Belasri, A.: 2015, *Determination of a Brass Alloy Concentration Composition Using Calibration-Free Laser-Induced Breakdown Spectroscopy,* Plasma Physics Reports, **41**, 758.
116. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
117. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
118. Popov Andrey M., Akhmetzhanov Timur F., Labutin, Timur A., Zaytsev Sergey M., Zorov Nikita B., Chekalin Nikolay V.: 2016, *Experimental measurements of Stark widths for Mn I lines in long laser spark*, Spectrochimica Acta Part B: Atomic Spectroscopy, **125**, 43.
119. Aguilera, J. A., Aragon, C.: 2017, *Analysis of rocks by CSigma laser-induced breakdown spectroscopy with fused glass sample preparation*, Journal of Analytical Atomic Spectroscopy, **32**, 144.
120. Ivković, M., Konjević, N.: 2017, *Stark width and shift for electron number density diagnostics of low temperature plasma: Application to silicon LIBS*, Spectrochimica Acta Part B: Atomic Spectroscopy, **131**, 79.

121. Stankov, B. D., Vinić, M., Gavrilović Božović, M. R., Ivković, M.: 2018, *Novel plasma source for safe beryllium spectral line studies in the presence of beryllium dust,* Review of Scientific Instruments **89**, 053108.
122. Gavanski, L.: 2019, *Measurement of Stark Halfwidths of Spectral Lines of Ionized Oxygen and Silicon Emitted from T-tube Plasma T-tube Plasma*, Atoms, **7**, 8(1-13); SPIG 2018, eds. Goran Poparić, Bratislav Obradović Duško Borka, Milan Rajković, MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 73.
123. Hongbo Fu, Zhibo Ni, Huadong Wang, Junwei Jia, Fengzhong Dong: 2019, *Accuracy improvement of calibration-free laser-induced breakdown spectroscopy*, Plasma Science and Technology, **21**, 034001.
124. Surmick David M., Parigger Christian G.: 2019, *Tracking Temporal Development of Optical Thickness of Hydrogen Alpha Spectral Radiation in a Laser-Induced Plasma,* Atoms, **7**, 101.
125. Elhamdaoui Ismail, Rifai Kheireddine, Iqbal Javed, Mohamed Nessrine, Selmani Samira, Fernandes Jordan, Bouchard Paul, Constantin Marc, Laflamme Marcel, Sabsabi Mohamad, Vidal François: 2021, *Measuring the concentration of gold in ore samples by laser-induced breakdown spectroscopy (LIBS) and comparison with the gravimetry/atomic absorption techniques*, Spectrochimica Acta Part B: Atomic Spectroscopy, **183**, 106256.
126. Ralchenko Yuri: 2022, *Atomic Physics and Spectroscopy During the First 50 Years of JPCRD*, Journal of Physical and Chemical Reference Data, **51**, 013101.

24. **N**. **Konjević, M**. **S**. **Dimitrijević, W**. **L**. **Wiese: 1984, J**. **Phys**. **Chem**. **Ref**. **Data 13, 619 [Б 2]**.
97. Kunze, H.-J.: 1986, *Emission Spectroscopy*, Radiative Processes in Discharge Plasmas, NATO ASI Series **149**, 55.
98. D'yachkov, L. G.: 1995, *Optical Properties of Nonideal Plasma*, Transport and Optical Properties of Nonideal Plasma, eds. G. A. Kobzev, I. T. Iakubov, M. M. Popovich, Springer, 177-213.
99. Djurović, S., Nikolić, D., Mijatović, Z., Kobilarov, R., Konjević, N.: 2002, *Line shape study of neutral argon lines in plasma of an atmospheric pressure wall stabilized argon arc*, Plasma Sources, Science and Technology **11**, A95.
100. Hoffman, J., Szymanski, Z.: 2002, *Time-resolved spectroscopic measurements of plasma under laser welding conditions,* Czechoslovak Journal of Physics, Suppl. D **52**, D272.
101. Sakka, T., Nakajima, T., Ogata, Y. H.: 2002, *Spatial population distribution of laser ablation species determined by self-reversed emission line profile,* Journal of Applied Physics **92**, 2296.
102. Hamzaoui, S., Djurović, S., Ćirišan, M., Ben Lakhdar, Z.: 2004, *Study of the broadening mechanisms in plasmas of wall stabilized electric arc,* Journal of Research in Physics **30**, 67.

103. Hoffman, J., Szymanski, Z.: 2004, *Time-dependent spectroscopy of plasma plume under laser welding conditions,* Journal of Physics D **37**, 1792.
104. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
105. Lesage, A., Fuhr, J. R.: 2004, *Stark broadening parameters*. *Experimental and theoretical*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 137.
106. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R.: 2004, *Measured Stark parameters for Ar I 430.01 nm spectral line*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade 2004, 293.
107. Simić, Z.: 2005, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma*, Memorie della Societa Astronomica Italiana Supplementi **7**, 122.
108. Bredice, F., Borges, F. O., Sobral, H., Villagran-Muniz, M., Di Roco, H. O., Cristoforetti, G., Legnaioli, S., Palleschi, V., Salvetti, A., Tognoni, E.: 2007, *Measurement of Stark broadening of Mn I and Mn II spectral lines in plasmas used for Laser-Induced Breakdown Spectroscopy,* Spectrochimica Acta B **62**, 1237.
109. Hartmann, C., Gillner, A., Aydin, U., Noll, R., Fehr, T., Gehlen, C., Poprawe, R.: 2007, *Investigation on laser micro ablation of metals using ns-multi-pulses*, Journals of Physics, Conference Series **59**, 440.
110. Jianmin Yuan: 2007, *Atomic data for opacity calculations*, 5th International Conference: Atomic and Molecular Data and their Applications, ed. E. Roueff, AIP Conference Proceedings **901**, 221.
111. Schneidenbach, H., Uhrlandt, D., Franke, St., Seeger, M.: 2007, *Temperature profiles of an ablation controlled arc in PTFE: II. Simulation of side-on radiances*, Journal of Physics D **40**, 7402.
112. Konjević, N.: 2008*, Comparison of theories and experiments*, in Dufty, J., Konjević, N., Lisitsa, V., Stamm, R., *A roundtable on the first 50 years of quantum theories of Stark broadening*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
113. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.

114. Lesage, A.: 2008, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
115. Ribière, M., Méès, L., Allano, D. Chéron, B.G.: 2008, *Evolutions in time and space of laser ablated species by dual-laser photoabsorption spectroscopy*, Journal of Applied Physics **104**, 043302.
116. Takubo, Y., Sato, T., Asaoka, N., Kusaka, K., Akiyama, T, Muroo, K., Yamamoto, M.: 2008, *Electron- and fluorescence-spectroscopic investigation of a glow discharge plasma: Absolute number density of radiative and nonradiative atoms in the negative glow*, Physical Review E **77**, 016405.
117. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
118. Senesi, G. S., Dell'Aglio, M., Gaudiuso, R., De Giacomo, A., Zaccone, C., De Pascale, O., Miano, T. M., Capitelli,M.: 2009, *Heavy metal concentrations in soils as determined by laser-induced breakdown spectroscopy (LIBS), with special emphasis on chromium*, Environmental Research **109,** 413.
119. Wester, R., Noll, R.: 2009, *Heuristic modeling of spectral plasma emission for laser-induced breakdown spectroscopy*, Journal of Applied Physics **106**, 123302.
120. Dagdigian, Paul J., Khachatrian, Ani, Babushok, Valeri I.: 2010, *Kinetic model of C/H/N/O emissions in laser-induced breakdown spectroscopy of organic compounds*, Applied Optics, **49**, C58.
121. Dell'Aglio, M., De Giacomo, A., Gaudiuso, R., De Pascale, O., Senesi, G. S., Longo, S.: 2010, *Laser Induced Breakdown Spectroscopy applications to meteorites: Chemical analysis and composition profiles*, Geochimica et Cosmochimica Acta **74**, 7329.
122. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
123. Kurosawa Kosuke, Sugita Seiji: 2010, *A pressure measurement method for high-temperature rock vapor plumes using atomic line broadening,* Journal of Geophysical Research, **115**, E10003.
124. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
125. Schäfer, J., Sigeneger, F., Foest, R., Loffhagen, D., Weltmann, K.-D.: 2010, *On plasma parameters of a self-organized plasma jet at atmospheric pressure*, European Journal of Physics D, **60**, 531.
126. Zielinska, S., Pellerin, S., Dzierzega, K., Valensi, F., Musiol, K., Briand, F.: 2010, *Measurement of atomic Stark parameters of many Mn I and Fe I spectral lines using GMAW process*, Journal of Physics D, **43**, 434005.

127. Baig, M. A., Fareed, M. A., Rashid, B., Ali, R.: 2011*, On the Rydberg transitions and elemental compositions in the laser produced Al (6063) plasma*, Physics of Plasmas **28**, 083303.
128. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.
129. Dojčinović, Ivan P., Tapalaga, Irinel, Purić, Jagoš: 2011, *Stark parameter regularities of neutral helium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **419**, 904
130. Ma Qianli, Dagdigian Paul J.: 2011, *Kinetic model of atomic and molecular emissions in laser-induced breakdown spectroscopy of organic compounds*, Analytical and Bioanalytical Chemistry **400,** 3193.
131. Tapalaga, I., Dojčinović, I. P., Purić, J.: 2011, *Stark width regularities within magnesium spectral series*, Monthly Notices of the Royal Astronomical Society **415**, 503.
132. Cruden, B. A: 2012, *Electron Density Measurement in Reentry Shocks for Lunar Return*, Journal of Thermophysics and Heat Transfer, **26**, 222.
133. Djurović, S., Mijatović, Z., Kobilarov, R., Savić, I.: 2012, *Characteristics of a pulsed wall-stabilized arc plasma at atmospheric pressure*, Plasma Sources Science and Technology, **21**, 025007.
134. Huo, Winifred M.: 2012, *Stark line shapes in a weakly ionized plasma*, 43rd AIAA Thermophysics Conference, 25-28 June 2012, New Orleans, Louisiana.
135. Noll, R.: 2012, *Bulk Analysis of Nonconducting Materials*, Laser-Induced Breakdown Spectroscopy, Fundamentals and Applications, Springer, 275.
136. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.
137. Sakka, Tetsuo, Tamura, Ayaka, Nakajima, Takashi, Fukami, Kazuhiro, Ogata, Yukio H.: 2012, *Synergetic effects of double laser pulses for the formation of mild plasma in water: Toward non-gated underwater laser-induced breakdown spectroscopy*, Journal of Chemical Physics, **136**, 174201.
138. Bišćan, M., Milošević, S.: 2013, *Production of metastable 2^3S_1 in a laser produced plasma at low pressures,* Spectrochimica Acta B **81**, 20.
139. Cristoforetti, G., Tognoni, E.: 2013, *Calculation of elemental columnar density from self-absorbed lines in laser-induced breakdown spectroscopy: A resource for quantitative analysis,* Spectrochimica Acta B **79–80**, 63.
140. El Sherbini Ashraf M., Abdel-Nasser Aboulfotouh, Farid Rashid, Sami H. Allam, Ahmed M. Al-Kaoud, Ashraf El Dakrouri, Tharwat M. El Sherbini: 2013, *Spectroscopic measurement of Stark broadening parameter of the 636.2 nm Zn I-line,* Natural Science. **5**, 501.

141. Isakaev, E. Kh.,Chinnov, V. F., Sargsyan, M. A., Kavyrshin, D. I.: 2013, *Nonequilibrium State of Highly Ionized Helium Plasma at Atmospheric Pressure*, High Temperature, **51**,14; Исакаев, Э. Х., Чиннов, В. Ф., Саргсян, М. А., Кавыршин, Д. И.: 2013, *Неравновесность сильноионизованной гелиевой плазмы атмосферного давления*, Теплофизика высоких температур, **51(2)**, 163 .
142. Rezaei, F., Karimi, P., Tavassoli, S. H.: 2013, *Effect of self-absorption correction on LIBS measurements by calibration curve and artificial neural network,* Applied Physics B, Online.
143. Wei Wenfu, Wu Jian, Li Xingwen, Jia Shenli, Qiu Aici: 2013, *Study of nanosecond laser-produced plasmas in atmosphere by spatially resolved optical emission spectroscopy,* Journal of Applied Physics, **114**, 113304.
144. Wei Wenfu, Wu Jian, Li Xingwen, Jia Shenli, Qiu Aici: 2013, *Characteristics of Laser Produced Plasmas Obtained by Fast ICCD Photography, Schlieren Photography and Optical Emission Spectroscopy,* High Voltage Engineering, **39 (9)**.
145. Axente Emanuel, Jörg Hermann, Gabriel Socol, Laurent Mercadier, Sid Ahmed Beldjilali, Mihaela Cirisan, Catalin R. Luculescu, Carmen Ristoscu, Ion N. Mihailescu, Valentin Craciuni: 2014, *Accurate analysis of indium–zinc oxide thin films via laser-induced breakdown spectroscopy based on plasma modeling ,* Journal of Analytical Atomic Spectrometry, **29**, 553.
146. Cvejić, M., Stambulchik, E., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2014, *Neutral lithium spectral line 460.28 nm with forbidden component for low temperature plasma diagnostics of laser-induced plasma,* Spectrochimica Acta B **100**, 86.
147. Dell'Aglio, M., De Giacomo, A., Gaudiuso, R., De Pascale, O., Longo, S.: 2014, *Laser Induced Breakdown Spectroscopy of meteorites as a probe of the early solar system,* Spectrochimica Acta B: Atomic Spectroscopy, **101**, 68.
148. El Sherbini, A. M., Abdel Galil, A., Allam, S. H., El Sherbini, Th. M.: 2014, *Nanomaterials induced plasma spectroscopy*, Journal of Physics Conference Series, **548**, 012031.
149. Gajo, T., Mijatović, Z., Djurović, S., Savić, I., Kobilarov, R.: 2014, *Stark broadening parameters of Li I 670.8 nm*, 27th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2014, Contributed papers and abstracts of Invited lectures, Topical invited lectures, Progress reports and Workshop lectures, eds. D. Marić, A. R. Milosavljević, Z. Mijatović, Institute of Physics, University of Belgrade and Serbian Academy of Sciences and Arts, Belgrade, 327.
150. Gigosos, M. A., Djurović, S., Savić, I., González-Herrero, D., Mijatović, Z., Kobilarov, R.: 2014, *Stark broadening of lines from transition between states n=3 to n=2 in neutral helium. An experimental and computer-simulation study*, Astronomy and Astrophysics, **561**, A135.

151. Lam Julien, Amans David, Chaput Frederic, Diouf Mouhamed, Ledoux Gilles, Mary Nicolas, Masenelli-Varlot Karine, Motto-Ros Vincent, Dujardin Christophe: 2014, *γ-Al_2O_3 nanoparticles synthesised by pulsed laser ablation in liquids: a plasma analysis,* Physical Chemistry Chemical Physics, **16**, 963.
152. Li, S., Chen, G., Zhang, Y., Zhang, M., Zhou, Y., Deng, H.: 2014, *Investigation of keyhole plasma during 10 kW high power fiber laser welding*, Laser Physics, **24**, 106003.
153. Li Shi-Chun, Chen Gen-Yu, Zhou Cong, Chen Xiao-Feng, Zhou Yu: 2014, *Plasma inside and outside keyhole during 10 kW level fiber laser welding*, Acta Physica Sinica, **63**, 104212.
154. Morel, V., Bultel, A.: 2014, *Theoretical study of the formation mechanism of laser-induced aluminum plasmas using Nd:YAG fundamental, second or third harmonics,* Spectrochimica Acta B **94–95**, 63.
155. Achouri, M., Baba-Hamed, T., Beldjilali, S. A., Belasri, A.: 2015, *Determination of a Brass Alloy Concentration Composition Using Calibration-Free Laser-Induced Breakdown Spectroscopy,* Plasma Physics Reports, **41**, 758.
156. Hanif, M., Salik, M.: 2015, *Spectroscopic Characterization of Indium-Tin Lasep Ablated Plasma,* International Journal of Physical and Mathematical Sciencec, **9**, 320.
157. Hanif, M., Salik, M., Arif, F.: 2015, *Spectroscopic Study of Carbon Plasma Produced by the First (1064 nm) and Second (532 nm) Harmonics of Nd:YAG Laser,* Plasma Physics Reports, **41**, 274.
158. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
159. Mathi, P., Namboodiri Vinu V., Singh Ajay K.: 2015, *Study of radiative and kinetic properties of femtosecond laser ablated brass plasma by optical emission spectroscopy,* Journal for foundations and applications of physics, **2(2)**, 35.
160. Burger, M., Hermann, J.: 2016, *Stark broadening measurements in plasmas produced by laser ablation of hydrogen containing compounds*, Spectrochimica Acta B, **122**, 118.
161. Chinnov, V. F., Kavyrshin, D. I., Ageev, A. G., Korshunov, O. V., Sargsyan, M. A., Efimov, A. V.: 2016, *Study of spatial distributions of highly ionized nonequilibrium helium plasma at atmospheric pressures*, Journal of Physics: Conference Series, **774**, 012200.
162. Gajo, T., Ivković, M., Konjević, N., Savić, I., Djurović, S., Mijatović, Z., Kobilarov, R.: 2016, *Stark shift of neutral helium lines in low temperature dense plasma and the influence of Debye shielding*, Monthly Notices of the Royal Astronomical Society **455**, 2969.
163. Gajo, T., Ivković, M., Savić, I., Mijatović, Z., Djurović, S., Konjević, N.: 2016, *The influence of Debye screening on the shift of the He I 706.52*

nm spectral line, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 232.

164. Popov Andrey M., Akhmetzhanov Timur F., Labutin, Timur A., Zaytsev Sergey M., Zorov Nikita B., Chekalin Nikolay V.: 2016, *Experimental measurements of Stark widths for Mn I lines in long laser spark*, Spectrochimica Acta Part B: Atomic Spectroscopy, **125**, 43.
165. Salik, M., Hanif, M., Wang, J., Zhang, X. Q.: 2016, *Spectroscopic studies of sodium nitrate plasma produced by nanosecond laser ablation*, Radiation Effects and Defects in Solids, **171**, 259.
166. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
167. Ivković, M., Konjević, N.: 2017, *Stark width and shift for electron number density diagnostics of low temperature plasma: Application to silicon LIBS*, Spectrochimica Acta Part B: Atomic Spectroscopy, **131**, 79.
168. Rastogi Vinay, Chaurasia, S., Munda, D. S.: 2017, *Laser induced damage studies in borosilicate glass using nanosecond and sub nanosecond pulses*, Journal of Non-Crystalline Solids, **463**, 138.
169. Amamou, H., Bois, A., Ferhat, B., Redon, R., Rossetto, B., Matheron, P.: 2018, *Correction of self-absorption spectral line and ratios of transition probabilities for homogeneous and LTE plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **75**, 747.
170. Blagojević Branimir, Ivković Milivoje, Konjević Nikola: 2018, *Semiclassical calculations of stark broadening parameters of He I lines revisited,* Journal of Quantitative Spectroscopy and Radiative Transfer, **217**, 278.
171. Gornushkin, I. B., Völker, T., Kazakov, A. Ya.: 2018, *Extension and investigation by numerical simulations of algorithm for calibration-free laser induced breakdown spectroscopy*, Spectrochimica Acta B, **147**, 149.
172. Hanif, M., Salik, M., Baig, M. A.: 2018, *Spectroscopic Studies of Indium Plasma Produced by Fundamental (1,064 nm) and Second (532 nm) Harmonics of an Nd:YAG Laser,* Journal of Russian Laser Research, **39**, 37.
173. Hou JiaJia, Zhang Lei, Zhao Yang, Yan Xingyu, Ma Weiguang, Dong Lei, Yin Wangbao, Xiao Liantuan, Jia Suotang: 2018, *Laser-induced plasma characterization through self-absorption quantification,* Journal of Quantitative Spectroscopy and Radiative Transfer, **213**, 143.
174. Mamedov, S. G., Kuli-Zade, D. M., Alieva, Z. F., Musaev, M. M: 2018, *On the Doppler Width of Spectral Lines,* Kinematics and Physics of Celestial Bodies, **34**, 102.

175. Мамедов, С. Г., Кули-Заде, Д. М., Алиева, З. Ф., Мусаев, М. М.: 2018: *О Доплеровской ширине спектральных линий*, Кинематика и физика небесных тел, **34**, 76.
176. Moscicki Tomasz, Hoffman Jacek, Szymanski Zygmunt: 2018, *Laser ablation in an ambient gas: Modelling and experiment,* Journal of applied physics **123**, 083305.
177. Savić, I., Mijatović, Z., Gavanski, L., Gajo, T., Djurović, S.: 2018, *Stark shift measurement of Ar I spectral lines for 4s – 5p transition*, 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 178.
178. Stankov, B. D., Vinić, M., Gavrilović Božović, M. R., Ivković, M.: 2018, *Novel plasma source for safe beryllium spectral line studies in the presence of beryllium dust,* Review of Scientific Instruments **89**, 053108.
179. Dojčinović Ivan P., Trklja Nora, Tapalaga Irinel, Purić Jagoš: 2019, *Investigation of Stark line broadening within spectral series of potassium and copper isoelectronic sequences*, Monthly Notices of the Royal Astronomical Society **489**, 2997.
180. Gavanski, L.: 2019, *Measurement of Stark Halfwidths of Spectral Lines of Ionized Oxygen and Silicon Emitted from T-tube Plasma*, Atoms, **7**, 8(1-13); SPIG 2018, eds. Goran Poparić, Bratislav Obradović Duško Borka, Milan Rajković, MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 73.
181. Hai Ran, He Zhonglin, Yu Xiao, Sun Liying, Wu Ding, Ding Hongbin: 2019, *Comparative study on self-absorption of laser-induced tungsten plasma in air and in argon*, Optics Express, **27**, 2509.
182. Hongbo Fu, Zhibo Ni, Huadong Wang, Junwei Jia, Fengzhong Dong: 2019, *Accuracy improvement of calibration-free laser-induced breakdown spectroscopy*, Plasma Science and Technology, **21**, 034001.
183. Коршунов, О. В., Чиннов, В. Ф., Кавыршин, Д. И.: 2019, *Сильноионизованная дуговая плазма Не. Неравновесность, неидеальность и кинетика*,Теплофизика высоких температур, **57(2)**, 164.
184. Korshunov, O. V., Chinnov, V. F., Kavyrshin, D. I.: 2019, *Highly Ionized Arc He Plasma: Nonequilibrium, Nonideality, and Kinetics*, High Temperature, **57(2)**, 147.
185. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.
186. Surmick David M., Parigger Christian G.: 2019, *Tracking Temporal Development of Optical Thickness of Hydrogen Alpha Spectral Radiation in a Laser-Induced Plasma,* Atoms, **7**, 101.

187. Mendoza Claudio: 2020, *Atomic Databases: Four of a Kind,* Atoms, **8**, 30.
188. Nagli, L., Prosnyakov, A., Gaft, M., Raichlin, Y.: 2021, *Effect of crater volume on laser-induced plasma lasers and Laser-Induced Breakdown Spectroscopy intensity*, Spectrochimica Acta Part B: Atomic Spectroscopy, **183**, 106246.
189. Robledo-Martinez, A. Garcia-Villarreal, A., Sobral, H., Jimenez de la Vega, N. E. : 2021, *Laser ablation of a metallic target under cryogenic condition*, Applied Physics A, **127**, 927.
190. Apsley, M., Millmore, S. T., Nikiforakis, N.: 2022, *Equation of state-driven radiative models for simulation of lightning strikes*, Physics of Fluids, **34**, 016103.
191. Ralchenko Yuri: 2022, *Atomic Physics and Spectroscopy During the First 50 Years of JPCRD*, Journal of Physical and Chemical Reference Data, **51**, 013101.

25. **M**. **S**. **Dimitrijević, N**. **Konjević: 1984, Z**. **Naturforsch**. **39a, 553 [A 27]**.
6. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.

26. **M**. **S**. **Dimitrijević, P**. **V**. **Grujić: 1984, Z**. **Naturforsch**. **39a, 930 [A 28]**.
10. Harcourt, R. D.: 1987, *Bohr orbit theory revisited. II. Energies for 1S, 2P, 3D, and 4F states in Helium*, International Journal of Quantum Chemistry **31**, 445.
11. Pingel, D., Schmelcher, P., Diakonos, F .K.: 2004, *Stability transformation: a tool to solve nonlinear problems,*, Physics Reports **400**, 67.
12. Simonović, N.: 2011, *The collinear helium atom: adiabatic potential curves and quasi-separable approximation in hyperspherical coordinates*, Journal of Physics B **44**, 105004.

27. **M**. **S**. **Dimitrijević: 1985, Astron**. **Astrophys**. **145, 439 [A 29]**.
9. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.

28. **I**. **Vince, M**. **S**. **Dimitrijević, V**. **Kršljanin: 1985, in Spectral Line Shapes III, W**. **de Gruyter, Berlin, New York, 649 [Д 7]**.
4. Gonzales, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2002, *Stark broadening and shift measdurements of visible Si II lines*, Journal of Physics B, **35**, 3557.
5. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2005, *Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **71**, 190.

29. **I**. **Vince, M**. **S**. **Dimitrijević, V**. **Kršljanin: 1985, in Progress in Stellar Spectral Line Formation Theory, D**. **Reidel P**. **C**., **Dordrecht, Boston, Lancaster, 373 [Д 8]**.
3. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2005, *Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **71**, 190.

4. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact widths and shifts of SrII lines in ultracold neutral plasmas*, Physical Review A **87**, 032505.

30. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1985, Phys**. **Rev**. **A 31, 316 [A 30]**.

4. Глаголевский Ю.В., Леушин В.В., Чунтонов Г.А., Шуляк Д.2005б Атмосферы Bp-звезд с дефицитом гелия, Письма в астрономический журнал, 31, 1.
5. Glagolevskij, Yu. V., Leushin, V. V., Chuntonov, G. A., Shulyak, D.: 2006, *The Atmospheres of Helium-Deficient Bp Stars*, Astronomy Letters **32**, 54.
6. Peláez, R. J., Gonzalez, V. R., Rodriguez, F., Aparicio, J. A., Mar, S.: 2006, *Stark parameters of neutral helium 318.8 nm line*, Astronomy and Astrophysics **453**, 751.
7. Ben Shaouasha, H., Sahal-Bréchot, Ben Nessib, N.: 2007, *Semi-classical Stark broadening calculations of He I lines in a non-ideal plasma*, Astronomy and Astrophysics **456,** 651.
8. Glagolevskij, Yu. V., Leushin, V. V., Chountonov, G. A. : 2007, *Chemical composition of the He-w stars HD 37058, 212454, and 224926,* Astrophysical Bulletin, **62,** 319.
9. Глаголевский, Ю. В., Леушин, В. В., Чунтонов, Г. А.: 2007, *Химсостав Не-w-звезд HD 37058, 212454, 224926* Астрофизический Бюллетень**, 62,** 338.
10. Cressault, Y., Rouffet, M. E., Gleizes, A.. Meillot, E.: 2010, *Net emission of Ar–H_2–He thermal plasmas at atmospheric pressure*, Journal of Physics D, 43, 335204.
11. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 20129, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.

31. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1985, JQSRT 34, 149 [A 31]**.

10. Mioković, Ž., Balković, D., Veža, D.: 2005, *Shift and broadening of sodium ns-3P and mD-3P transitions in high pressure NaCd and NaHg discharges,* Fizika A, **14**, 135.
11. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
12. Lind, K., Asplund, M. Barklem, P. S., Belyaev, A. K.: 2011, *Non-LTE calculations for neutral Na in late-type stars using improved atomic data*, Astronomy and Astrophysics **528**, A103.
13. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within sodium spectral lines*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 245.

14. Garcia, M. C., Yubero, C., Gamero, A., Sola, A.: 2013, *Using the Van der Waals Broadening of Sodium Atomic Lines for the Gas Temperature Determination in Microwave Discharges at Atmospheric Pressure,* 31 st ICPIG, July 14-19, 2013, Granada, Spain, 6.
15. Yubero, C., Garcia, M. C., Varo, M., Martinez, P.: 2013, *Gas temperature determination in microwave discharges at atmospheric pressure by using different Optical Emission Spectroscopy techniques,* Spectrochimica Acta B, **90**, 61.
16. Jovović, J., Stojadinović, S., Tadić, N., Vasilić, R., Šišović, N. M.: 2016, *The study of micro-arc discharges during cathodic plasma electrolysis of refractory metals using the spectral line shape of Na I lines,* EPL, **113**, 68001,

32. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević: 1986, Astron**. **Astrophys**. **155, 319 [A 32]**.

2. Lebedev, V. S., Presnyakov, L. P.: 2002, *Photodissociation from a manifold of rovibrational states and free-free absorption by a diatomic molecule*, Journal of Physics B **35**, 4347.
3. Presnyakov, L. P., Lebedev, V. S.: 2005, *Photodissociation and free-free absorption of molecular ions*, AIP Conference Proceedings **771**, 189.

33. **M**. **S**. **Dimitrijević, N**. **Konjević: 1986, Astron**. **Astrophys**. **163, 297 [A 34]**.

43. Gavrilenko, V. P., Ochkin, V. N., Tskhai, N.: 2002, *Progress in plasma spectroscopic diagnostics based on Stark effect in atoms and molecules*, Selected Research Papers on Spectroscopy of Nonequilibrium Plasma at Elevated Pressures, Vladimir N. Ochkin, Editor, Proceedings of SPIE **4460**, 207.
44. Глаголевский Ю.В., Леушин В.В., Чунтонов Г.А., Шуляк Д.2005б Атмосферы Bp-звезд с дефицитом гелия, Письма в астрономический журнал, 31, 1.
45. Gray, D. F.: 2005, *The Observation and Analysis of Stellar Photospheres,* Third edition, Cambridge University Press, Cambridge.
46. Glagolevskij, Yu. V., Leushin, V. V., Chuntonov, G. A., Shulyak, D.: 2006, *The Atmospheres of Helium-Deficient Bp Stars*, Astronomy Letters **32**, 54.
47. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
48. Wendt, M.: 2011, *Net emission coefficients of argon iron plasmas with electron Stark widths scaled to experiments,* Journal of Physics D, **44**, 125201.
49. Reza Adineh, V., Coufal, O., Živný, O.: 2012, *Thermodynamic and Radiative Properties of Plasma Excited in EDM Process Through N_2 Taking Into Account Fe,* IEEE Transactions of Plasma Science, **40**, 2723.
50. Capitelli, M., Colonna, G., Pietanza, L. D., D'Ammando, G.: 2013, *Coupling of radiation, excited states and electron energy distribution function in non equilibrium hydrogen plasmas*, Spectrochimica Acta Part B: Atomic Spectroscopy, **83-84**, 1.

51. Cressault, Y., Gleizes, A.: 2013, *Thermal plasma properties for Ar-Al, Ar-Fe and Ar-Cu mixtures used in welding plasmas processes: I. Net emission coefficients at atmospheric pressure*, Journal of Physics D: Applied Physics, **46**, 415206.
52. Perrin, M. Y., Colonna, G., Ammando, G. D., Pietanza, L. D., Riviere, Ph., Soufani, A., Surzhikov, S.: 2014, *Radiation Models and Radiation Transfers in Hypersonics,* The Open Plasma Physics Journal, **7 (Suppl**. **1: M8)**, 114.
53. Adineh, V. R., Coufal, O., Bartlova, M.: 2015, *Calculation of net emission coefficient of electrical discharge machining arc plasmas in mixtures of nitrogen with graphite, copper and tungsten,* Journal of Physics D, **48**, 405202.
54. Colgan, J., Barefield, J. E., Judge, E. J., Campbell, K., Johns, H. M., Kilcrease, K. M., McInroy, R., Clegg, S. M.: 2016, *Experimental and theoretical studies of laser-induced breakdown spectroscopy emission from iron oxide: Studies of atmospheric effects*, Spectrochimica Acta B, **122**, 85.
55. Comet, M., Gosselin, G., Meot, V., Morel, P., Pain, J.-C.: 2015, *Nuclear excitation by electron transition rate confidence interval in a equilibrium plasma ^{201}Hg local thermodynamic,* Physical Review C, **92**, 054609.
56. Hartig, K. C., Colgan, J., Kilcrease, D. P., Barefield, J. E., Jovanovic, I.: 2015, *Laser-induced breakdown spectroscopy using mid-infrared femtosecond pulses,* Journal of Applied Physics, **118**, 043107.
57. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
58. Judge Elizabeth J., Colgan James, Campbell Keri, Barefield James E., Johns Heather M., Kilcrease David P., Clegg Samuel: 2016, *Theoretical and experimental investigation of matrix effects observed in emission spectra of binary mixtures of sodium and copper and magnesium and copper pressed powders,* Spectrochimica Acta B, **122**, 142.
59. Liu Hao, Truscott Benjamin S., Ashfold Michael N. R.: 2016, *Position- and time-resolved Stark broadening diagnostics of a non-thermal laser-induced plasma*, Plasma Sources, Science and Technology, **25**, 015006.
60. Liu Hao, Truscott Benjamin S., Ashfold Michael N. R.: 2016, *Determination of Stark parameters by cross-calibration in a multi-element laser-induced plasma*, Scientific Reports, **6**, 25609.
61. Benredjem, D., Calisti, A., Ferri, S., Gilleron, F., Mondet, G., Pain, J. -C.: 2017, *Opacity spectra of silicon and carbon in ICF plasmas,* AIP Conference Proceedings **1811**, 190002.
62. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.

63. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
64. Hannachi, R., Ben Nasr, S., Cressault, Z., Teulet, Ph., Béji, L.: 2019, *Net emission coefficient of complex thermal plasmas used in SWNT synthesis,* Journal of Physics D: Applied Physics **52**, 095203.
65. Zafar Abdullah, Martin Elijah, Shannon Steve: 2019, *Doppler-free, Stark broadened profiles at low plasma densities in helium,* Journal of Quantitative Spectroscopy and Radiative Transfer, **230**, 48.
66. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas,* Spectrochimica Acta Part B: Atomic Spectroscopy, **202**, 163485.

34. **M**. **S**. **Dimitrijević, V**. **Kršljanin: 1986, Astron**. **Astrophys**. **165, 269 [A 35]**.
8. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
9. Gigosos, M. A., Gonzales, M. A., Konjević, N.: 2006, *Temperature Dependence of Stark Broadening Dominated by Strong Collisions*, Spectral Line Shapes, 18th International Conference on Spectral Line Shapes, Auburn, Alabama 4-9 June 2006, eds. E. Oks, M. Pindzola, AIP Conference Proceedings **874,** 35.
10. Gigosos, M. A., González, M. Á., Konjević, N.: 2007, *On the Stark broadening of Sr^+ and Ba^+ resonance lines in ultracold neutral plasmas*, European Physical Journal D **40**, 57.
11. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2007, *Stark shift measurements of Xe IIand Xe III spectral lines*, J. Phys. B **40**, 3477.
12. Alonso-Medina, A., Colon, C., Zanon, A.: 2008, *Theoretical study of Stark width and shift parameters of Pb III lines: Predictions and regularities*, Monthly Notices of the Royal Astronomical Society **385**, 261.
13. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008*, Stark Shift Measurements of some Xe III Lines*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 54.
14. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
15. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.

16. Mayo, R., Ortiz, M.: 2008, *Measurements of some Zn II Stark widths*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 311.
17. Peláez, R. J., Djurović, S., Ćirišan, M., Rodriguez, F., Aparicio, J. A., Mar, S.: 2008, *Ne II Stark width and shift regularitiess*, Astrophysical Journal **687**, 1423.
18. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
19. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
20. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.
21. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.
22. Alonso-Medina, A., Colón, C., Montero, J. L., Nation, L.: 2010, *Stark broadening of PbIV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **401**, 1080.
23. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
24. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.
25. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
26. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
27. Zanon, A., Alonso-Medina, A., Colon, C.: 2010, *Core polarization effect for the Stark broadening of Pb III spectral lines predictions and regularities,* International Review of Atomic and Molecular Physics, **1(1)**, 1.
28. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2011, *Stark broadening of Kr UV spectral lines*, Physical Review A **83**, 012513.
29. Djurović, S., Mar, S., Peláez, R. J., Aparicio, J. A.: 2011, *Stark broadening of ultraviolet Ar III lines*, Monthly Notices of the Royal Astronomical Society **414,** 1389.
30. Adineh, Vahid Reza, Oldrich Coufal, Oldrich Živný: 2012, *Thermodynamic and Radiative Properties of Plasma Excited in EDM Process Through N_2 Taking Into Account Fe*, IEEE Transactions on Plasma Science, **40**, 2723.

31. Benredjem, D., Mondet, G., Calisti, A., Gilleron, F., Pain, J. –C.: 2013, *Opacity of germanium and silicon in ICF plasmas*, High Power Lasers for Fusion research II, Conference on High Power Lasers for Fusion Research II, San Francisco, ed. Awwal, A. A.S., Proceedings of SPIE, **8602**, 60205.
32. Djurović, S., Belmonte, M. T., Peláez, R. J., Aparicio, J. A., Mar, S. : 2013, *Stark parameter measurement of Ar II UV spectral lines*, Monthly Notices of the Royal Astronomical Society, **433**, 1082.
33. Gajo, T., Mijatović, Z., Savić, I., Djurović, S., Kobilarov, R.: 2013, *Stark widths and shifts of Ar II spectral lines in visible part of spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **127**, 119.
35. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
36. Blagojević Branimir, Ivković Milivoje, Konjević Nikola: 2018, *Semiclassical calculations of stark broadening parameters of He I lines revisited,* Journal of Quantitative Spectroscopy and Radiative Transfer, **217**, 278.

35. **M**. **S**. **Dimitrijević, N**. **Konjević: 1987, Astron**. **Astrophys**. **172, 345 [A 37]**.

56. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Theoretical calculations of electron impact broadening of Al X lines*, High Power Laser and Particle Beams **13**, 583.
57. Jiaolong Zeng, Jianmin Yuan: 2001, *Radiative Opacity of High Temperature Plasmas Obtained by Detailed-term-accounting Approximation*, Journal of National University of Defense Technology **23**, 32.
58. Stehlé, S.: 2003, *Largeurs de raies en plasmas denses et chauds, pour l'astrophysique et la fusion inertielle*, Le Vide, **307**, (112), 145.
59. Fengtao Jin, Jiaolong Zeng, Jianmin Yuan: 2004, *Radiative opacities and configuration interaction effects of hot iron plasma using a detailed term accounting model*, Physical Review E **68**, 066401.
60. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
61. Jiaolong Zeng, Gang Zhao, Jianmin Yuan: 2004, *Influence of detailed line treatment on the opacity of iron plasmas in the 2p-3d energy region*, Physical Review E **70**, 027401.
62. Jiaolong Zeng, Guoxuan Dong, Gang Zhao, Jianmin Yuan: 2004, *The photoionization of Fe^{7+} and Fe^{8+} in the 2p-3d resonance energy region*, Journal of Physics B **37**, 2529.
63. Fengtao Jin, Jianmin Yuan: 2005, *Detailed diagnostics for a hot bromine plasma by the open M-shell opacity*, Physical Review E **72**, 016404.
64. Fengtao Jin, Jianmin Yuan: 2005, *Open M-shell Opacity of Bromine Plasma in Comparison of the Detailed Level Accounting Model with the Average Atom Model*, Chinese Physics Letters **22**, 2324.

65. Fengtao Jin, Jiaolong Zeng, Jianmin Yuan: 2006, *Population Diagnostics of a Hot NaBr Plasma by Detailed Simulation of Absorption Spectra*, Chinese Physics Letter **23**, 2506.
66. Jiaolong Zeng, Fengtao Jin, Jianmin Yuan: 2006, *Radiative opacity of plasmas studied by detailed term (level) accounting approaches*, Frontiers in Physics, China, **4**, 468.
67. Edwards, M. H., Whittaker, D. S., Tallents, G. J., Mistry, P., Pert, G. J., Rus, B., Mocek, T., Kozzlova, M., Polan, J., Praeg, A., Stupka, M., Homer, P.: 2007, *Laser-Ablation Rates Measured Using X-Ray Laser Transmission*, Physical Review Letter **99**, 195002.
68. Lecherbourg, R., Renaudin, P., Bastiani-Ceccotti, S., Geindre, J.-P., Blancard, C., Cossé, P., Faussurier, G., Shepherd, R., Audebert, P.: 2007, *X-ray absorption of the warm dense aluminium plasma created by an ultra-short laser pulse,* High Energy Density Physics, **3**, 175.
69. Jianmin Yuan: 2007, *Atomic data for opacity calculations*, 5th International Conference: Atomic and Molecular Data and their Applications, ed. E. Roueff, AIP Conference Proceedings **901**, 221.
70. Mayo, R., Bouzas, V., Ortiz, M.: 2007, *Experimental Stark widths for Ni II*, "Lecture Notes and Essays in Astrophysics. III", after the III Astophysics Simposium during the XXXI Scientific biannual meeting of the Royal Spanish Physical Society (RSEF), Granada, Spain, September 10-14, 2007, 1-4.
71. Renaudin, P., Lecherbourg, L., Blancard, C., Cossé, P., Faussurier, G., Audebert, P., Bastiani-Ceccotti, S., Geindre, J.-P., Shepherd, R.: 2007, *X-Ray Absorption Spectroscopy Of Thin Foils Irradiated By An Ultra-short Laser Pulse,* 15th International Conference on Atomic Processes in Plasmas, Gaithersburg, MD, March 19-22, 2007, eds. Gillaspy, J. D., Curry, J. J., Wiese, W. L., AIP Conference Proceedings **925**, 24.
72. Tallents, G. J., Edwards, M. H., Whittaker, D. S., Mistry, P., Pert, G. J., Rus, B., Mocek, T., Kozlova, M., Polan, J., Praeg, A., Stupka, M., Homer, P.: 2007, *X-ray lasers as probes to measure plasma ablation rates*, Soft X-Ray Lasers and Applications VII, Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), **6702**, H7020.
73. Audebert, P., Lecherbourg, L., Bastiani-Ceccotti, S., Geindre, J. P., Blancard, C., Cosse, P., Faussurier, G., Shepherd, R., Renaudin, P.: 2008, *Atomic Processes in Plasmas Created by an Ultra-short Laser Pulse*, 5th International Conference on Inertial Fusion: Science and Applications, eds. Azechi, H., Hammel, B., Gauthier, JH. C., Journal of Physics, Conference Series, **112,** 042001.
74. Fengtao Jin, Jiaolong Zeng, Jianmin Yuan: 2008, *Detailed diagnostics of a laser produced aluminium plasma by the Kα satellites*, Journal of Quantitative Spectroscopy and Radiative Transfer, **109,** 2707.
75. Gil, J. M., Rodriguez, R., Florido, R., Rubiano, J. G., Martel, P., Minguez, E., Sauvan, P., Angelo, P., Schott, R., Dalimier, E., Mancini, R.: 2008,

Spectrally Resolved Intensities of Ultra-Dense Hot Aluminium Plasmas,, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 75.

76. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
77. Mayo, R., Ortiz, M., Plaza, M.: 2008, *Measured Stark widths of several Ni II spectral lines*, Journal of Physics B **41**, 095702.
78. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.
79. Mayo, R., Ortiz, M.: 2008, *Measurements of some Zn II Stark widths*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 311.
80. Rodriguez, R., Florido, R., Gil, J. M., Rubiano, J. G., Martel, P., Minguez, E.: 2008, *RAPCAL code: A flexible package to compute radiative properties for optically thin and thick low and high-Z plasmas in a wide range of density and temperature*, Laser and Particle Beams **26**, 433.
81. Fengtao Jin, Tian-Xuan Huang, Yong-Kun Ding, Zhi-Jian Zeng, Jian-Min Yuan: 2009, *Orbital relaxation effects in the calculation of Aluminium K alpha absorptions*, Chinese Physics Letter **26**, 055203.
82. Florido, R., Rodríguez, R., Gil, J. M., Rubiano, J. G., Martel, P., Mínguez, E., Mancini, R. C.: 2009, *Modeling of population kinetics of plasmas that are not in local thermodynamic equilibrium, using a versatile collisional-radiative model based on analytical rates,* Physical Review E, **80**, 056402.
83. Iglesias, C. A., Sonnad, V., Wilson, B. G., Castor, J. I.: 2009, *Frequency dependent electron collisional widths for opacity calculations*, High Energy Density Physics, **5**, 97.
84. Li, Yongqiang, Wu, Jianhua, Hou, Yong, Yuan, Jianmin: 2009, *Radiative opacities of hot and solid-dense aluminium plasmas using a detailed level accounting model,* Journal of Physics B, **42**, 235701.
85. Whittaker, D. S., Tallents, G. J.: 2009, *Iron opacity predictions under solar interior conditions,* Monthly Notices of the Royal Astronomical Society E, **400**, 1808.
86. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2010, *Stark shift measurements for some Kr III UV lines*, Journal of Research in Physics **34**, 33.
87. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Kr III Stark halfwidths measured in pulsed arc plasma*, Publ. Astron. Obs. Belgrade **89**, 193.
88. **Florido, R., Mancini, R. C., Nagayama, T., Tommasini, R., Delettrez, J. A., Regan, S. P., Smalyuk, V. A., Rodríguez, R., Gil, J. M.**: 2010, *Argon K-shell and bound-free emission from OMEGA direct-drive implosion cores*, High Energy Density Physics, **6**, 70.

89. Jin, Fengtao, Huang, Tianxuan, Ding, Yongkun, Zheng, Zhijian, Yuan, Jianmin: 2010, *Orbital relaxation effects on temperature diagnostics of mid-Z plasma,* Journal of Quantitative Sprectroscopy and Radiative Transfer, **111**, 78.
90. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
91. Mínguez, E., Florido, R., Rodríguez, R. Gil, J. M., Rubiano, J. G., Mendoza, M. A., Suárez, D., Martel, P.: 2010, *Opacity calculation for target physics using the ABAKO/RAPCAL code,* High Energy Density Physics, **6**, 57.
92. Rodriguez, R., Florido, R., Gil, J. M., Rubiano, J. G., Suarez, D., Martel, P., Minguez, E., Mancini, R. C.: 2010, *Collisional-Radiative Calculations of Optically Thin and Thick Plasmas Using the Computational Package ABAKO/RAPCAL*, Communications in Computational Physics, 8, 185.
93. Zeng Jiaolong, Gao Cheng, Yuan Jianmin: 2010, *Detailed investigations on radiative opacity and emissivity of tin plasmas in the extreme-ultraviolet region,* Physical Review E, **82,** 6409.
94. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2011, *Stark broadening of Kr UV spectral lines*, Physical Review A **83**, 012513.
95. Djurović, S., Mar, S., Peláez, R. J., Aparicio, J. A.: 2011, *Stark broadening of ultraviolet Ar III lines*, Monthly Notices of the Royal Astronomical Society **414,** 1389.
96. Gao Cheng, Zeng Jiaolong, Yuan Jianmin: 2011, *Plasma screening effects on the atomic structure and radiative opacity of dense carbon plasmas based on the DLA model,* High Energy Density Physics **7**, 54.
97. Porcherot, Quentin, Pain, Jean-Christophe,Gilleron,Franck, Blenski, Thomas: 2011, *A consistent approach for mixed detailed and statistical calculation of opacities in hot plasmas*, High Energy Density Physics **7**, 234.
98. Rodriguez, R., Gil, J. M., Florido, R., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E., Symes, D. R., Hohenberger, M., Smith, R. A.: 2011, *Determination of the average ionization and thermodynamic regimes of xenon plasmas with an application to the characterization of blast waves launched in xenon clusters*, High Energy Density Physics **7**, 71.
99. Blancard, C., Cossé, P., Faussurier, G.: 2012, *Solar Mixture Opacity Calculations Using Detailed Configuration and Level Accounting Treatments,* Astrophysical Journal, **745**, 10.
100. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.
101. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
102. Rodriguez, R., Gil, J. M., Espinosa, G., Florido, R., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E., Symes, D. R., Hohenberger, M.,

Smith, R. A.: 2012*, Determination and analysis of plasma parameters for simulations of radiative blast waves launched in clusters of xenon and krypton*, Plasma Physics and Controlled Fusion, **54**, 045012.
103. Wenjun Xiang, Jiaolong Zeng, Yongsheng Fu, Cheng Gao: 2012, *Detailed Theoretical Investigations on the L-Shell Absorption of Open-M-Shell Germanium Plasmas: Effect of Autoionization Resonance Broadenins,* Journal of Modern Physics, **3**, 1670.
104. Wenjun Xiang, Yongsheng Fu, Cheng Gao, Jiaolong Zeng: 2012, *Autoionization widths of open-M-shell germanium ions: effects on inner-shell absorptions*, Physica Scripta, **86**, 045302.
105. Benredjem, D., Mondet, G., Calisti, A., Gilleron, F., Pain, J. –C.: 2013, *Opacity of germanium and silicon in ICF plasmas*, High Power Lasers for Fusion research II, Conference on High Power Lasers for Fusion Research II, San Francisco, ed. Awwal, A. A.S., Proceedings of SPIE, **8602**, 60205.
106. Cotelo, Manuel, de laVarga, Alberto G., Velarde, Pedro, de Gaufridy, François: 2013, *Equation of state and opacities for warm dense matter*, IFSA 2011 - Seventh International Conference on Inertial Fusion Sciences and Applications, Bordeaux, France, Edited by P. Mora, K. A. Tanaka, E. Moses, EPJ Web of Conferences, **59**, 14007.
107. Djurović, S., Belmonte, M. T., Peláez, R. J., Aparicio, J. A., Mar, S. : 2013, *Stark parameter measurement of Ar II UV spectral lines*, Monthly Notices of the Royal Astronomical Society, **433**, 1082.
108. Gil, J. M., Rodriguez, R., Martel, P., Florido, R., Rubiano, J. G., Mendoza, M. A., Minguez, E.: 2013*, Analysis of the influence of the plasma thermodynamic regime in the spectrally resolved and mean radiative opacity calculations of carbon plasmas in a wide range of density and temperature*, Journal of Quantitative Spectroscopy and Radiative Transfer, **114**, 136.
109. Gil, J. M., Rodriguez, R., Florido, R., Rubiano, J. G., Mendoza, M. A., de la Nuez, A., Espinosa, G., Martel, P., Minguez, E.: 2013, *Parametrization of the average ionization and radiative cooling rates of carbon plasmas in a wide range of density and temperature*, Journal of Quantitative Spectroscopy and Radiative Transfer, **125**, 123.
110. Rodriguez, R., Espinosa, G., Gil, J. M., Florido, R., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E., Symes, D. R., Hohenberger, M., Smith, R. A.: 2013, *Analysis of microscopic magnitudes of radiative blast waves launched in xenon clusters with collisional-radiative steady-state simulations*, Journal of Quantitative Spectroscopy and Radiative Transfer, **125**, 69.
111. Benredjem, D., Pain, J. C., Gilleron, F., Ferri, S., Calisti, A.: 2014, *Opacity profiles in inertial confinement fusion plasmas*, Journal of Physics Conference Series, **548**, 012009.
112. Iglesias, C. A.: 2014, *A plea for a reexamination of ionization potential depression measurements*, High Energy Density Physics **12**, 5.

113. Mendoza, M. A., Rubiano, J. G., Gil, J. M., Rodríguez, R., Florido, R., Espinosa, G., Martel, P., Mínguez, E.: 2014, *Calculation of radiative opacity of plasma mixtures using a relativistic screened hydrogenic model*, Journal of Quantitative Spectroscopy and Radiative Transfer, **140**, 81.
114. Rodriguez, R., Espinos, G., Gil, J. M., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E.: 2014, *Parametrization of Mean Radiative Properties of Optically Thin Steady-State Plasmas and Applications*, Commun. Comput. Phys., **16,** 612.
115. Comet, M., Gosselin, G., Meot, V., Morel, P., Pain, J.-C.: 2015, *Nuclear excitation by electron transition rate confidence interval in a equilibrium plasma ^{201}Hg local thermodynamic,* Physical Review C, **92**, 054609.
116. Espinos, G., Gil, J. M., Rodriguez, R., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E., Suzuki-Vidal, F., Lebedev, S. V., Swadling, G. F., Burdiak, G., Pickworth, L. A., Skidmore, J.: 2015, *Collisional-radiative simulations of a supersonic and radiatively cooled aluminum plasma jets*, High Energy Density Physics, **17**, 74.
117. Iglesias, C.: 2015, *Iron-group opacities for B stars*, Monthly Notices of the Royal Astronomical Society **450,** 2.
118. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
119. Pain Jean-Christophe, Gilleron Franck, Blenski Thomas: 2015, *Detailed computation of hot-plasma atomic spectra,* Laser and Particle Beams, **33**, 201.
120. Rodriguez, R., Espinos, G., Gil, J. M., Rubiano, J. G., Mendoza, M. A., Martel, P., Minguez, E., Symes, D. R., Hohenberger, M., Smith, R. A.: 2015, *Time-dependent and radiation field effects on collisional-radiative simulations of radiative properties of blast waves launched in clusters of xenon*, High Energy Density Physics, **17**, 119.
121. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
122. Krief, M., Feigel, A., Gazit, D.: 2016, *Solar Opacity Calculations Using the Super-transition-array Method*, Astrophysical Journal **821**, 45.
123. Krief, M., Feigel, A., Gazit, D.: 2016, *Line Broaening and the Solar Opacity Problem*, Astrophysical Journal **824**, 98.
124. Šćepanović, M., Purić, J.: 2016, *Stark Parameter Dependence of the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Liness*, 9th International Physics Conference of the Balkan Physical Union (BPU-9), AIP Conference Proceedings **1722**, 240006.
125. Yang Jiamin, Zhang Jiyan, Hu Zhimin, Zhao Yang, Qing Bo, Yang Guohong, Wei Minxi, Yi Rongqing, Song Tianming, Li Hang, Yuan Zheng,

Lv Min, Meng Xujun, Xu Yan, Wu Zeqing, Yan Jun: 2016, *Opacity Measurement and Theoretical Investigation of Hot Silicon Plasma,* Astrophysical Journal, **816**, 36.
126. Benredjem, D., Calisti, A., Ferri, S., Gilleron, F., Mondet, G., Pain, J. -C.: 2017, *Opacity spectra of silicon and carbon in ICF plasmas,* AIP Conference Proceedings **1811**, 190002.
127. Espinosa, G., Rodriguez, R., Gil, J. M., Suzuki-Vidal, F., Lebedev, S. V., Ciardi, A., Rubiano, J. G., Martel, P.: 2017, *Influence of atomic kinetics in the simulation of plasma microscopic properties and thermal instabilities for radiative bow shock experiments,* Physical Review E **95**, 033201.
128. Jarrah, W., Pain, J. – C., Benredjem, D.: 2017, *Calculation of atomic structures and radiative properties of fusion plasmas,* AIP Conference Proceedings **1811**, 070002.
129. Jarrah, W., Benredjem, D., Pain, J. -C., Dubau, J.: 2017, *Calculation of atomic structures and radiative properties of fusion plasmas,* High Energy Density Physics **24**, 64.
130. Tang Jian, Deng Chunfeng, Wu Chunlei, Lu Biao, Hu Yonghong: 2017, *Characterization of pulsed metallic hydride vacuum arc discharge plasmas by optical emission spectroscopy,* European Physical Journal D, **71**, 326.
131. Barriga-Carrasco Manuel D., González-Gallego Luis, Gil Juan Miguel, Rodríguez Rafael, Espinosa Guadalupe: 2018, *Energy loss of Fe ions in He plasmas at different thermodynamic states,* Physics of Plasmas **25**, 093113.
132. Gavanski Lazar: 2018, *Measurement of Stark halfwidths of spectral lines of ionized oxygen and silicon, emitted from T-tube plasma*, 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 140.
133. Krief Menahem, Kurzweil Yair, Feigel Alexander, Gazit Doron: 2018, *The Effect of Ionic Correlations on Radiative Properties in the Solar Interior and Terrestrial Experiments,* Astrophysical Journal, **856**, 135.
134. Poirier, M.: 2018, *Opacity calculations in X and XUV range using a detailed atomic code,* Contributions to Plasma Physics, **58**, 1005.
135. Rodríguez, R., Espinosa, G., Gil, J. M., Suzuki-Vidal, F., Clayson, T., Stehlé, C, Graham, P.: 2018, *Analysis of microscopic properties of radiative shock experiments performed at the Orion laser facility,* High Power Laser Science and Engineering, **6**, 36.
136. Rodríguez Rafael, Espinosa Guadalupe, Gil Juan Miguel: 2018, R*adiative properties for astrophysical plasma mixtures in nonlocal thermodynamic equilibrium,* Physical Review E, **98**, 033213.

137. Colombo, S., Ibgui, L., Orlando, S., Rodríguez, R., Espinosa, G., González, M., Stehlé, C., Peres, G.: 2019, N*on-LTE radiation hydrodynamics in PLUTO,* Astronomy and Astrophysics, **631**, A41.
138. Espinosa Guadalupe, Rodríguez Rafael, Gil Juan Miguel: 2019, *Analysis of radiative opacities for optically thin and thick astrophysical plasmas,* Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106633.
139. Gao Cheng, He Xin, Wu Jianhua, Liu Yanpeng: 2020, *A hybrid method for investigating the detailed emission spectra of mid-Z plasmas in non-local thermodynamic equilibrium: Ge as an example,* Phys. Plasmas **27**, 123301.
140. Gavanski, L.: 2019, *Measurement of Stark Halfwidths of Spectral Lines of Ionized Oxygen and Silicon Emitted from T-tube Plasma T-tube Plasma*, Atoms, **7**, 8(1-13); SPIG 2018, eds. Goran Poparić, Bratislav Obradović Duško Borka, Milan Rajković, MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 73.
141. Popović, L. Č., Afanasiev, V. L., Moiseev, A., Smirnova, A., Simić, S., Savić, Dj., Mediavilla, E. G., Fian, C.: 2020, *Spectroscopy and polarimetry of the gravitationally lensed quasar SDSS J1004+4112 with the 6m SAO RAS telescope,* Astronomy and Astrophysics, **634**, 27.
142. Rodríguez Rafael, Espinosa Guadalupe, Gil Juan Miguel, Beltrán Pablo R.: 2020, *Monochromatic and mean radiative properties of astrophysical plasma mixtures in nonlocal thermodynamic equilibrium regime,* X-Ray Spectrometry, **49**, 6.
143. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.
144. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.
145. Zeng Jiaolong, Li Yongjun, Yuan Jianmin: 2021, *Effects of plasma* 233011*screening on radiative transition and photoionization of Si10+-Si13+ in a dense plasma environment*, Journal of Quantitative Spectroscopy and Radiative Transfer, **272**, 107777.
146. Zeng Jiaolong, Gao Cheng, Liu PengFei, Li YongJun, Meng CongSen, Hou Yong, Kang DongDong, Yuan JianMin: 2022, *Electron localization enhanced photon absorption for the missing opacity in solar interior,* Science China Physics, Mechanics and Astronomy, **65**, 233011.

36. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević, D**. **Djordjević, M**. **Luft, W**. **D**. **Kraeft: 1987, Contrib**. **Plasma Phys**. **27, 1 [A 38]**.

4. Sakan, N. M.: 2010, *The Calculation of the Photo Absorption Processes in Dense Hydrogen Plasma with the Help of Cut-Off Coulomb Potential Model*, Journal of Physics Conference Series **257**, 012036.

37. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1987, J**. **Quant**. **Spectrosc**. **Radiat**. **Transfer 38, 37 [A 40]**.

1. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within several spectral series of neutral potassium,* Proceedings of the IX Belarusian-Serbian symposium "Physics and diagnostics of laboratory and astrophysical plasmas" (PDP-9), September 16-21, 2012, Minsk, Belarus, eds. V. I. Arkhipenko, V. S. Burakov, V. K. Goncharov, The National academy of sciences of Belarus, B. I. Stepanov institute of physics, Minsk, 71.
2. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark width regularities of neutral potassium lines within different spectral series,* Bulletin of the Astronomical Society of India, **40**, 151.

38. **M**. **S**. **Dimitrijević: 2005, Private communication**.

2. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.

39. **M**. **S**. **Dimitrijević, A**. **A**. **Mihajlov, M**. **M**. **Popović: 1987, Astron**. **Astrophys**. **Suppl**. **Series 70, 57 [A 39]**.

2. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
3. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

40. **T**. **Lanz, M**. **S**. **Dimitrijević, M**. **C**. **Artru: 1988, Astron**. **Astrophys**. **192, 249 [A 41]**.

58. Zboril, M., Žižnovsky, J., Zverko, J., Budaj, J.: 1992, *Elemental abundance analysis of Phi Herculis and Omicron Pegasi with coadded spectra,* Contrib. Astron. Obs. Skalnate Pleso **22**, 9.
59. Gonzales, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2002, *Stark broadening and shift measdurements of visible Si II lines*, Journal of Physics B, **35**, 3557.
60. Lesage, A., Redon, R.: 2004, *Stark widths of faint Si II lines*, Astronomy and Astrophysics **418**, 765.
61. Lesage, A., Fuhr, J. R.: 2004, *Stark broadening parameters*. *Experimental and theoretical*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 137.
62. Lesage, A., Redon, R.: 2004, *Stark widths of faint Si II lines*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 501.
63. Castelli, F., Hubrig, S.: 2004, *A spectroscopic atlas of the HgMn star HD 175640 (B9 V), λλ 3040 - 10 000 A*, Astronomy and Astrophysics **425**, 263.

64. Saffe, C., Levato, H., Lopez-Garcia, Z.: 2005, *Elemental abundance studies of CP stars*. *The silicon stars HD 87240 and HD 96729*, Revista Mexicana de Astronomia y Astropfisica **41**, 415.
65. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2006, *Srark widths of Xe II lines in a pulsed plasma*, J. Phys. B **39**, 2901.
66. Lehmann, H., Tsymbal, V., Mkrtichian, D. E., Fraga, L.: 2007, *The helium-weak silicon star HR 7224*. *I. Radial velocity and line profile variations,* Astronomy and Astrophysics, **457**, 1033.
67. Schiler, F., Przybilla, N.: 2008, *Quantitative spectroscopy of Deneb,* Astronomy and Astrophysics **479**, 849.
68. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
69. Collado, A., López-García, Z.: 2009, *Chemical Abundances of the magnetic CP star HD 168733*, Revista Mexicana de Astronomía y Astrofísica, **45**, 95.
70. Fossati, L., Ryabchikova, T., Bagnulo, S., Alecian, E., Grunhut, J., Kochukhov, O., Wade, G.: 2009, *The chemical abundance analysis of normal early A- and late B-type stars*, Astronomy and Astrophysics, **192**, 249.
71. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
72. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.
73. Saffe, C., Levato, H.: 2009, *Elemental abundance studies of CP stars*. *The silicon stars HD 87405 and HD 146555*, Revista Mexicana de Astronomia y Astrofisica **45**, 171.
74. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
75. Ferhat, B., Redon, R., Ripert, Bois, A., M., Azzouz, Y.: 2011, *Parametres Stark de quelques raies asymetriques de Si II,* Séminaire International sur la Physique des Plasma, SIPP'2011, Ouargla, Algerie, 127.
76. Saffe, C., Nunez, N., Levato, H.: 2011, *Upper Main Sequence Stars with Anomalous Abundances*. *The HgMn stars HR 3273, HR 8118 HR 8567 and HR 8937*, Revista Mexicana de Astronomia y Astrofisica **47**, 219.
77. Vennes, S., Kawka, A., Németh, P.: 2011, *Pressure shifts and abundance gradients in the atmosphere of the DAZ white dwarf GALEX J193156.8+011745*, Monthly Notices of the Royal Astronomical Society, 413, 2545.
78. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

79. Ferhat, B., Azzouz, Y., Redon, R., Ripert, M., Lesage, A.: 2012, *Stark Parameters of some Asymmetrical Si II Lines*, Journal of Physics: Conference Series **397**, 012026.
80. Gajo, T., Mijatović, Z., Savić, I., Djurović, S., Kobilarov, R.: 2013, *Stark widths and shifts of Ar II spectral lines in visible part of spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **127**, 119.
81. Kılıçoğlu, T., Monier, R., Richer, J., Fossati, L., Albayrak, B.: 2016, *Chemical Composition of Intermediate-mass Star Members of the M6 (NGC 6405) Open Cluster*, Astronomical Journal **151**, 49.
82. Przybilla, N., Fossati, L., Hubrig, S., Nieva, M. -F., Järvinen, S. P., Castro, N., Schöller, M., Ilyin, I., Butler, K, Schneider, R. N., Oskinova, L. M., Morel, T., Langer, N., de Koter, A., BOB collaboration: 2016, *B fields in OB stars (BOB): Detection of a magnetic field in the He-strong star CPD -57° 3509*, Astronomy and Astrophysics **587**, A7.

41. **Y**. **Vitel, M**. **Skowronek, M**. **S**. **Dimitrijević, M**. **M**. **Popović: 1988, Astron**. **Astrophys 200, 285 [A 42]**.

5. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
6. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

42. **M**. **S**. **Dimitrijević: 1988, Bull**. **Obs**. **Astron**. **Belgrade, 139, 31 [E 9]**.

3. N'Dollo, Donga-Passi, J.: 2006, *Modified semi-empirical calculations of the Ga II Stark widths in the visible spectral region*, Physica Scripta **74**,40.

43. **M**. **S**. **Dimitrijević: 1988, Astron**. **Astrophys**. **Suppl**. **Series 76, 53 [A 43]**.

16. Butler, K.: 2010, *Stark Broadening,* "Non-LTE Line Formation for Trace Elements in Stellar Atmospheres", Eds. R. Monier, B. Smalley, G. Wahlgren, Ph. Stee, European Astronomical Society (EAS) Publications Series **43**, 143.
17. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
18. de Andrés-García, I., You, C., Alonso-Medina, A., Colón, C.: 2016, *Theoretical study of the Stark broadening for Mg IV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **462**, 4220.
19. Elabidi, H., Sahal-Bréchot, S.: 2019*, Stark line widths for N-like ions Na V, Mg VI , Al VII , and Si VIII. Z–scaling*, Monthly Notices of the Royal Astronomical Society, **484**, 1072.

44. **M. S. Dimitrijević: , in Physics of Formation of Fe II Lines Outside LTE, eds. R. Viotti, A. Vitone, M. Friedjung, D. Reidel, (1988), 211 [Д 14]**.

1. Cheng Lu, Qida Lin, Bin Li, Jiazhu Wu, Yi Zhang: 2019, *Effect of powder feeding rate on heat and mass transfer behaviors during filler powder laser welding*, Optics and Laser Technology, **120,** 105711.

45. **I. Vince, M. S. Dimitrijević: 1989, in Solar and Stellar Granulation, eds. R. J. Rutten, G. Severino, Kluwer Acad. Publishers, Dordrecht, Boston, London, 93 [Д 15]**.

5. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2005, *Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **71**, 190.

46. **M. S. Dimitrijević, M. M. Popović: 1989, Astron. Astrophys. 217, 201 [A 44]**.

3. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
4. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
5. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.

47. **M. S. Dimitrijević, A. A. Mihajlov, Z. Djurić, B. Grabowski: 1989, J. Phys. B 22, 3845 [A 45]**.

5. Popović, M. M., Popović, S. S.: 2002, *The physics of ionized gases the base of applied research on non-coherent light sources*, Applied Physics in Serbia, Serbian Academy of Sciences and Arts, Depoartment of Mathematics, Physics and Geo-sciences, **104**, 243.
6. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 20129, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.

48. **M. S. Dimitrijević: 1989, Bull. Obs. Astron. Belgrade, 140, 111 [E 13]**.

7. Ortiz, M., Mayo, R.: 2005, *Measurement of the Stark broadening of several lines of singly ionized gold*, Journal of Physics B **38**, 3953.
8. Milosavljević, V., Karkari, S. K., Ellingboe, A. R.: 2007, *Characterization of the pulse plasma source,* Plasma Sources Science and Technology **16**, 304.
9. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
10. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.

49. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1989, Bull**. **Obs**. **Astron**. **Belgrade 141, 57 [E 14]**.

15. Bartecka, A., Wujec, T., Halenka, J., Musielok, J.: 2004, *Experimental Stark broadening studies of the N I multiplet (^{1}D)3s^{2}D – (^{1}D)3p^{2}P^0 at 7904.5 A,* European Journal of Physics D, **29**, 265.
16. Bartecka, A., Baclawski, A., Wujec, T., Musielok, J.: 2005, *Experimental investigations of two doubly excited N II multiplets,* 5 Workshop on Atomic and Molecular Physics, Jurata, Poland, September 16-18 2004, eds. Kwela, j., Drozdowski, R., Wasowicz, T. J., Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), **5849**, 170.

50. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1990, Astron**. **Astrophys**. **Suppl**. **Series 82, 519 [A 47]**.

31. Hummel, W., Horne, K., Marsh, T., Wood, J. K.: 1997, *Radiation Transfer in Disks of CVs*, Lecture Notes in Physics. **487**, 103.
32. Bartecka, A., Wujec, T., Halenka, J., Musielok, J.: 2004, *Experimental Stark broadening studies of the N I multiplet (^{1}D)3s^{2}D – (^{1}D)3p^{2}P^o at 7904.5 A,* European Journal of Physics D, **29**, 265.
33. Srećković, A., Bukvić, S., Djeniže, S.: 2004, *Stark broadening parameters of the 381.96 nm He I line*, European Journal of Physics D **30**, 93.
34. Domiciano de Souza, A., Zorec, J., Jankov, S., Vakili, F., Abe, L., Janot-Pacheco, E.: 2004, *Stellar differential rotation and inclination angle from spectro-interferometry*, Astronomy and Astrophysics **418**, 781.
35. Lyubimkov, L. S., Rostopchin, S. I., Lambert, D. L.: 2004, *Surface abundance of light elements for a large sample of early B - type stars ' III. An analyzis of helium lines in spectra of 102 stars*, Monthly Notices of the Royal Astronomical Society **351**, 745.
36. Castelli, F., Hubrig, S.: 2004, *A spectroscopic atlas of the HgMn star HD 175640 (B9 V), λλ 3040 - 10 000 A*, Astronomy and Astrophysics **425**, 263.
37. Bartecka, A., Baclawski, A., Wujec, T., Musielok, J.: 2005, *Experimental investigations of two doubly excited N II multiplets,* 5 Workshop on Atomic and Molecular Physics, Jurata, Poland, September 16-18 2004, eds. Kwela, j., Drozdowski, R., Wasowicz, T. J., Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), **5849**, 170.
38. Глаголевский Ю.В., Леушин В.В., Чунтонов Г.А., Шуляк Д.: 2005, *Атмосферы Bp-звезд с дефицитом гелия*, Письма в астрономический журнал, **31**, 1.
39. Przybilla, N., Butler, K., Heber, U., Jeffrey, C. S.: 2005, *Extreme helium stars: non-LTE matters, Helium and hydrogen spectra of the unique objectsV652 Her and HD 144941*, Astronomy and Astrophysics **443**, L25.
40. Banaz, O., Günter, S., Wierling, A., Röpke, G.: 2006, *Neutral helium spectral lines in dense plasmas*, Physical Review E **73**, 056405.
41. Eisenstein, D. J., Liebert, J., Koester, D., Kleinmann, S. J., Nitta, A., Smith, P. S., Barentine, J. C., Brewington, H. J., Brinkmann, J., Harvanek, M.,

Krzesinski, J., Neilsen, E. H., Long, D., Schneider, D. P., Snedden, S. A.: 2006, *Hot DB white dwarfs from the Sloan digital sky survey,* Astrophysical Journal, **132**, 676.
42. Glagolevskij, Yu. V., Leushin, V. V., Chuntonov, G. A., Shulyak, D.: 2006, *The Atmospheres of Helium-Deficient Bp Stars*, Astronomy Letters **32**, 54.
43. Mortimore, A. N., Lynas-Gray, A. E.: 2006, *Helium, Carbon and Silicon abundances in the HW Vir eclipsing binary subdwarf-B primary*, Baltic Astronomy **15**, 207.
44. Peláez, R. J., Gonzalez, V. R., Rodriguez, F., Aparicio, J. A., Mar, S.: 2006, *Stark parameters of neutral helium 318.8 nm line*, Astronomy and Astrophysics **453**, 751.
45. Przybilla, N., Butler, K., Heber, U., Jeffrey, C. S.: 2006, *Improved helium line formation for extreme helium stars*, Baltic Astronomy **15**, 127.
46. Ben Shaouasha, H., Sahal-Bréchot, Ben Nessib, N.: 2007, *Semi-classical Stark broadening calculations of He I lines in a non-ideal plasma*, Astronomy and Astrophysics **456,** 651.
47. Cidale, L. S., Arias, M. L., Torres, A. F., Zorec, J., Frémat, Y., Cruzado, A.: 2007, *Fundamental parameters of He-weak and He-strong stars,* Astronomy and Astrophysics, **468**, 263.
48. Glagolevskij, Yu. V., Leushin, V. V., Chountonov, G. A. : 2007, *Chemical composition of the He-w stars HD 37058, 212454, and 224926,* Astrophysical Bulletin, **62,** 319.
49. Глаголевский, Ю. В., Леушин, В. В., Чунтонов, Г. А.: 2007, *Химсостав He-w-звезд HD 37058, 212454, 224926* Астрофизический Бюллетень**, 62,** 338.
50. Nieva, M. F., Przybilla, N.: 2007, *Hydrogen and helium line formation in OB dwarfs and giants, A hybrid non-LTE approach,* Astronomy and Astrophysics, **467**, 295.
51. Sale, S. E., Schoenaers, C., Lynas-Gray, A. E.: 2008, *A New Determination of Abundances for the Subdwarf B Star HD 4539*, Hot Subdwarf Stars and Related Objects, eds. U. Heber, S. Jeffery, R. Napiwotzki, ASP Conference Series, **392**, 109.
52. Schiler, F., Przybilla, N.: 2008, *Quantitative spectroscopy of Deneb,* Astronomy and Astrophysics **479**, 849.
53. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
54. Bohlender, D. A., Rice, J. B., Hechler, P.: 2008, *Doppler imaging of the helium-variable star a Centauri,* Astronomy and Astrophysics **520**, 44.
55. Koester, D.: 2010, *White dwarf spectra and atmosphere modelsoppler imaging of the helium-variable star a Centauri,* Memorie della Societa Astronomica Italiana **81**, 921.
56. Dojčinović, Ivan P., Tapalaga, Irinel, Purić, Jagoš: 2011, *Stark parameter regularities of neutral helium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **419**, 904

57. Falcon, R. E., Winget, D. E., Montgomery, M. H., Williams, K. A.: 2012, *A Gravitational Redshift Determination of the Mean Mass of White Dwarfs: DBA and DB Stars*, Astrophysical Journal, **757**, 116.
58. Lara, N., González, M. Á., Gigosos, M. A.: 2012, *Stark broadening tables for the helium I 492.2 line. Application to weakly coupled plasma diagnostics*, Astronomy and Astrophysics **542**, A75.
59. Ferrero, G., Gamen, R., Benvenuto, O., Fernández-Lajús, E.: 2013, *Apsidal motion in massive close binary systems – I. HD 165052, an extreme case?*, Monthly Notices of the Royal Astronomical Society, 433, 130.
60. Gigosos, M. A., Djurović, S., Savić, I., González-Herrero, D., Mijatović, Z., Kobilarov, R.: 2014, *Stark broadening of lines from transition between states n = 3 to n = 2 in neutral helium. An experimental and computer-simulation study*, Astronomy and Astrophysics, **561**, A135.
61. Vallverdú, R., Cidale, L., Rohrmann, R., Ringuelet, A.: 2014, *Atmospheric models of He-peculiar stars: synthetic He I line profiles and absolute visual magnitudes*, Astrophysics and Space Science, **352**, 95.
62. Shikama Taiichi, Ogane Shuhei, Ishii Hidekazu, Iida Yohei, Hasuo Masahiro: 2014, *Measurements of helium 2^3S metastable atom density in low-pressure glow discharge plasmas by self-absorption spectroscopy of HeI 2^3S–2^3P transition*, Japanese Journal of Applied Physics, **53**, 086101.
63. Shikama, T., Ogane, S., Iida, Y., Hasuo, M.: 2016, *Measurement of the helium 2^3S metastable atom density by observation of the change in the 2^3S–2^3P emission line shape due to radiation reabsorption*, Journal of Physics D: Applied Physics, **49**, 025206.
64. Kupfer, T., Przybilla, N., Heber, U., Jeffery, C. S., Behara, N. T., Butler, K.: 2017, *Quantitative spectroscopy of extreme helium stars Model atmospheres and a non-LTE abundance analysis of BD+10°2179*, Monthly Notices of the Royal Astronomical Society **471**, 877.
65. Schneider, D., Irrgang, A., Heber, U., Nieva, M. F., Przybilla, N.: 2018, *NLTE spectroscopic analysis of the ^{3}He anomaly in subluminous B-type stars*, Astronomy and Astrophysics **618**, A86.
66. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 2019, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
67. Shikama Taiichi, Shinichiro Kado, Hiroyuki Okada, Satoshi Yamamoto, Leo Matsuoka , Toru Mizuuchi , Takashi Minami, Shinji Kobayashi, Kazunobu Nagasaki, Shinsuke Oshima,Yuji Nakamura, Akihiro Ishizawa, Shigeru Konoshima, Masahiro Hasuo: 2019, *Near-infrared Zeeman spectroscopy for the spatially resolved measurement of helium emission spectra in Heliotron*, Plasma Physics and Controlled Fusion, **61**, 125001.

68. Löbling, L.: 2020, *NLTE spectral analysis of the intermediate helium-rich subdwarf B star CPD-20°1123,* Monthly Notices of the Royal Astronomical Society, **497**, 67.

69. Putkuri, C., Gamen, R., Morrell, N. I., Benvenuto, O. G., Barbá, R. H., Arias, J. I.: 2021, *Non-synchronous rotations in massive binary systems*. *II*. *The case of HD 96264A*, Astronomy and Astrophysics **650,** A96.

51. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1990, JQSRT 44, 421 [A 49]**.

5. Lind, K., Asplund, M. Barklem, P. S., Belyaev, A. K.: 2011, *Non-LTE calculations for neutral Na in late-type stars using improved atomic data*, Astronomy and Astrophysics **528**, A103.

6. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within sodium spectral lines*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 245.

52. **M**. **S**. **Dimitrijević, G**. **Peach: 1990, Astron**. **Astrophys**. **236, 261 [A 50]**.

7. Christova, M.: 2007, *Calculation of broadening of several Ar I spectral lines by neutral atoms*, Second International Workshop & Summer School on Plasma Physics, Journal of Physics: Conference Series **63**, 1.

8. Sharp, C. M., Burrows, A.: 2007, *Atomic and molecular opacities for brown dwarf and giant planet atmospheres,* Astrophysical Journal Supplement Series **168**, 140.

9. Peach, G.: 2010, *Interatomic potentials and applications to spectral line broadening,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 68.

10. Peach, G.: 2010*, Baranger Theory Revisited*, in Spectral Line Shapes 16, 20th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1290**, 14.

11. Peach, G.: 2011, *Recent results for widths of lines important in the spectra of cool stars*, Baltic Astronomy **20,** 516.

53. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1990, Bull**. **Obs**. **Astron**. **Belgrade 142, 29 [E 15]**.

2. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within several spectral series of neutral potassium,* Proceedings of the IX Belarusian-Serbian symposium "Physics and diagnostics of laboratory and astrophysical plasmas" (PDP-9), September 16-21, 2012, Minsk, Belarus, eds. V. I. Arkhipenko, V. S. Burakov, V. K. Goncharov, The National academy of sciences of Belarus, B. I. Stepanov institute of physics, Minsk, 71.

3. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark width regularities of neutral potassium lines within different spectral series,* Bulletin of the Astronomical Society of India, **40**, 151.

54. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1990, Bull**. **Obs**. **Astron**. **Belgrade 142, 59 [E 16]**.

4. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within sodium spectral lines*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 245.

55. **M**. **S**. **Dimitrijević: 1982, The Physics of Ionized Gases, ed**. **G**. **Pichler (SPIG-82, Invited lectures), Zagreb, 397 [B 1]**.

1. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.

56. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1991, Journal de Physique IV, Vol 1, Coll**. **1, Suppl**. **JP II, No 3, C1-111 [B 5]**.

4. Schöning Thomas: 1995, *Line broadening in hot stellar atmospheres,* Proceedings of the 9th European Workshop on White Dwarfs, Kiel, Germany, 29 August - 1 September 1994, eds. Detlev Koester, Klaus Werner, Lecture Notes in Physics, **443**,113.

57. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot, V**. **Bommier: 1991, Astron**. **Astrophys**. **Suppl**. **Series 89, 581 [A 53]**.

21. McDaniel, E. W., Mansky, E. J.: 1994, *Guide to Bibliographies, Books, Reviews and Compendia of Data on Atomic Collisions*, Advances in Atomic, Molecular and Optical Physics **33**, 389.
22. Dorenwendt, K.: 1996, *Optik,* Praktische Physik, Zum Gebrauch für Unterricht, Forschung und Technik Band 2, 89.
23. Ламзин, С. А.: 2003, *Расчет профилей резонансных линий C IV, N V, O VI и Si IV образующихся в аккреционной ударной волне звезд типа T Тельца. Плоский слой*, Астрономический Журнал **80**, 542.
25. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.
26. Rauch, T., Ziegler, M., Werner, K., Kruk, J. W., Oliveira, C. M., Vande Putte, D., Mignani, R. P., Kerber, F.: 2007, *High-resolution FUSE and HST ultraviolet spectroscopy of central star of Sh 2-216*, Astronomy and Astrophysics **470**, 317.
27. Versteegh, A., Behringer, K., Fantz, U., Fussmann, G., Juttner, B., Noack, S.: 2008, *Long-living plasmoids from an atmospheric discharge*, Plasma Sources Science and Technology **17**, 024014.
28. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.

29. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
30. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
31. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.
32. Judge Elizabeth J., Colgan James, Campbell Keri, Barefield James E., Johns Heather M., Kilcrease David P., Clegg Samuel: 2016, *Theoretical and experimental investigation of matrix effects observed in emission spectra of binary mixtures of sodium and copper and magnesium and copper pressed powders,* Spectrochimica Acta Part B: Atomic Spectroscopy, **122**, 142.
33. Werner Klaus, Rauch Thomas, Hoyer Denny, Quinet Pascal: 2016, *Detection of Forbidden Line Components of Lithium-like Carbon in Stellar Spectra,* Astrophysical Journal Letters, **827**, L4.
34. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
35. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.
36. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.
37. Sahal-Bréchot, S., Elabidi, H.: 2021, *Stark broadening for Br VI and Kr V-VII lines in hot star atmospheres,* Astronomy and Astrophysics, **652**, A47.

58. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot, V**. **Bommier: 1991, Astron**. **Astrophys**. **Suppl**. **Series 89, 591 [A 54]**.

10. Ламзин, С. А.: 2003, *Расчет профилей резонансных линий C IV, N V, O VI и Si IV образующихся в аккреционной ударной волне звезд типа T Тельца*. *Плоский слой*, Астрономический Журнал **80**, 542.
11. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
12. Elabidi, Haykel, Ben Nessib, Nébil, Sahal-Bréchot, Sylvie: 2012, *Electron impact broadening of Si IV spectral lines: Comparison with recent experiments,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1606.
13. Nandy, D. K., Sahoo, B. K.: 2015, *Relativistic calculations of radiative properties and fine structure constant varying sensitivity coefficients in*

the astrophysically relevant Zn II, Si IV and Ti IV ions, Monthly Notices of the Royal Astronomical Society, **447**, 3812

14. Przybilla, N., Fossati, L., Hubrig, S., Nieva, M. -F., Järvinen, S. P., Castro, N., Schöller, M., Ilyin, I., Butler, K, Schneider, R. N., Oskinova, L. M., Morel, T., Langer, N., de Koter, A., BOB collaboration: 2016, *B fields in OB stars (BOB): Detection of a magnetic field in the He-strong star CPD -57° 3509*, Astronomy and Astrophysics **587**, A7.

59. **J**. **Purić, M**. **Ćuk, M**. **S**. **Dimitrijević, A**. **Lesage: 1991, Astrophys**. **J**. **382, 353 [A 55]**.

4. Moscicki, T., Hoffman, J., Szymanski, Z.: 2004, *Emission coefficients of low temperature thermal iron plasma*, Czechoslovak Journal of Physics, **54**, Supplement C, C677.
5. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
6. Mościcki, T., Hoffman, J., Szymański, Z.: 2007, *Emission coefficients of low temperature iron-helium plasma mixture*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1777.
7. Mościcki, T., Hoffman, J., Szymanski, Z.: 2008, *Net emission coefficients of low temperature thermal iron-helium plasma*, Optica Applicata, **38**, 365.
8. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
9. Zielinska, S., Pellerin, S., Dzierzega, K., Valensi, F., Musiol, K., Briand, F.: 2010, *Measurement of atomic Stark parameters of many Mn I and Fe I spectral lines using GMAW process*, Journal of Physics D, **43**, 434005.
10. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.
11. Tapalaga, I., Dojčinović, I. P., Purić, J.: 2011, *Stark width regularities within magnesium spectral series*, Monthly Notices of the Royal Astronomical Society **415**, 503.
12. Cressault, Y., Gleizes, A.: 2013, *Thermal plasma properties for Ar-Al, Ar-Fe and Ar-Cu mixtures used in welding plasmas processes: I. Net emission coefficients at atmospheric pressure*, Journal of Physics D: Applied Physics, **46**, 415206 .
13. Šćepanović, M., Purić, J.: 2016, *Stark Parameter Dependence of the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Liness*, 9th International Physics Conference of the Balkan Physical Union (BPU-9), AIP Conference Proceedings **1722**, 240006.

60. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1991, JQSRT 46, 41 [A 56]**.

4. Jianmin Yuan: 2007, *Atomic data for opacity calculations*, 5th International Conference: Atomic and Molecular Data and their Applications, ed. E. Roueff, AIP Conference Proceedings **901**, 221.
5. Dojčinović, I. P., Tapalaga, I., Šćepanović, M., Purić, J.: 2012, *Stark broadening within 3s-np and 3d-np spectral lines of neutral lithium*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 249.
6. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.
7. DzierżęgaKrzysztof, Pięta Tomasz, Zawadzki Witold, Stambulchik Evgeny, Gavrilović-Božović Marijana, Jovićević Sonja, Pokrzywka Bartłomiej: 2018*, Study of Stark broadening of Li I 460 and 497 nm spectral lines with independent plasma diagnostics by Thomson scattering*, Plasma Sources Science and Technology **27**, 025013.
8. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

61. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1991, Bull**. **Obs**. **Astron**. **Belgrade 144, 81 [E 18]**.

1. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
2. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.

62. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1991, Bull**. **Obs**. **Astron**. **Belgrade 143, 29 [E 19]**.

4. Dojčinović, I. P., Tapalaga, I., Šćepanović, M., Purić, J.: 2012, *Stark broadening within 3s-np and 3d-np spectral lines of neutral lithium*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 249.
5. Cvejić, M., Stambulchik, E., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2014, *Neutral lithium spectral line 460.28 nm with forbidden component for low temperature plasma diagnostics of laser-induced plasma,* Spectrochimica Acta B **100**, 86.
6. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.

7. Dzierżęga Krzysztof, Pięta Tomasz, Zawadzki Witold, Stambulchik Evgeny, Gavrilović-Božović Marijana, Jovićević Sonja, Pokrzywka Bartłomiej: 2018*, Study of Stark broadening of Li I 460 and 497 nm spectral lines with independent plasma diagnostics by Thomson scattering*, Plasma Sources Science and Technology **27**, 025013.
8. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

63. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1990, Bull**. **Obs**. **Astron**. **Belgrade 144, 65 [E 17]**.

1. Reindl, N., Geier, S., Kupfer, T., Bloemen, S., Schaffenroth, V., Heber, U., Barlow, B. N., Østensen, R. H.: 2016, *Radial velocity variable, hot post-AGB stars from the MUCHFUSS project*. *Classification, atmospheric parameters, formation scenarios*, Astronomy and Astrophysics **587**, A101.
2. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

64. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević: 1992, Astron**. **Astrophys**. **256, 305 [A 58]**.

2. Lebedev, V. S., Presnyakov, L. P.: 2002, *Photodissociation from a manifold of rovibrational states and free-free absorption by a diatomic molecule*, Journal of Physics B **35**, 4347.
3. Lebedev, V. S., Presnyakov, L. P., Sobel'man, I. I.: 2003, *Radiative transitions in the molecular H_2^+ ion*, Physics-Uspekhi **46**, 473.
4. Лебедев, В. С., Пресняков, Л. П., Собельман, И. И.: 2003, *Радиационные переходы молекулрярного иона H_2^+*, Успехи физических наук, **173**, 491.
5. Presnyakov, L. P., Lebedev, V. S.: 2005, *Photodissociation and free-free absorption of molecular ions*, AIP Conference Proceedings **771**, 189.
6. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M.: 2004, *H^+ + H(1s) collisions at intermediate impact velocities as a new source of UV and VUV radiation*, Astronomy and Astrophysics **419**, 1.

65. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Astron**. **Astrophys**. **Suppl**. **Series 95, 121 [A 59]**.

3. Chen, C. S., Man, B. Y., Liu, D., Song, X., Chen, X. J.: 2013, *Investigation of Ti III line broadening in a laser-induced plasma*, Journal of Physics B: Atomic, Molecular, and Optical Physics, **46**, 015701.
4. Dutta, N. N., Roy, S., Deshmukh, P. C.: 2015, *Dynamic polarizabilities and hyperfine-structure constants for Sc^{2+}*, Physical Review A, **92**, 052510.
5. Nandy, D. K., Sahoo, B. K.: 2015, *Relativistic calculations of radiative properties and fine structure constant varying sensitivity coefficients in the astrophysically relevant Zn II, Si IV and Ti IV ions*, Monthly Notices of the Royal Astronomical Society, **447**, 3812.

66. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Astron**. **Astrophys**. **Suppl**. **Series 95, 109 [A 60]**.

20. Ламзин, С. А.: 2003, *Расчет профилей резонансных линий C IV, N V, O VI и Si IV образующихся в аккреционной ударной волне звезд типа T Тельца*. *Плоский слой*, Астрономический Журнал **80**, 542.
21. Rauch, T., Ziegler, M., Werner, K., Kruk, J. W., Oliveira, C. M., Vande Putte, D., Mignani, R. P., Kerber, F.: 2007, *High-resolution FUSE and HST ultraviolet spectroscopy of central star of Sh 2-216*, Astronomy and Astrophysics **470**, 317.
22. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions, T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
23. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
24. Whittaker, D. S., Tallents, G. J.: 2009, *Iron opacity predictions under solar interior conditions,* Monthly Notices of the Royal Astronomical Society E, **400**, 1808.
25. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
26. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

67. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, JQSRT 48, 397 [A 61]**.

7. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
8. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II, and Ba II spectral lines,* Astron. Astrophys. **555**, A144.
9. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275.

10. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

68. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Astron**. **Astrophys**. **Suppl**. **Series 93, 359 [A 65]**.

20. Ламзин, С. А.: 2003, *Расчет профилей резонансных линий C IV, N V, O VI и Si IV образующихся в аккреционной ударной волне звезд типа T Тельца*. *Плоский слой*, Астрономический Журнал **80**, 542.
21. Fontaine, M., Chayer, P., Wesemael, F., Fontaine, G., Lamontagne, R.: 2006, *Analysis of the FUSE spectra of the He-poor SDO star MCT 0019-2441*, Baltic Astronomy **15**, 99.
22. Rauch, T., Ziegler, M., Werner, K., Kruk, J. W., Oliveira, C. M., Vande Putte, D., Mignani, R. P., Kerber, F.: 2007, *High-resolution FUSE and HST ultraviolet spectroscopy of central star of Sh 2-216*, Astronomy and Astrophysics **470**, 317.
23. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Experimental Stark Shift of some XeII Lines*,, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 52.
24. Fontaine, M., Chayer, P., Oliveira, C. M., Wesemael, F., Fontaine, G..: 2008, *Analysis of the FUSE spectrum of the hot, evolved star GD 605,* Astrophysical Journal **678**, 394.
25. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions, T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
26. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009, *Quantum Stark broadening of 3s–3p spectral lines in Li-like ions,Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
27. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
28. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

69. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Bull**. **Obs**. **Astron**. **Belgrade 145, 65 [E 20]**.

3. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.

70. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Bull**. **Obs**. **Astron**. **Belgrade 146, 73 [E 25]**.

2. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.

71. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Bull**. **Obs**. **Astron**. **Belgrade 146, 83 [E 26]**.

2. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.

3. Morel, V., Bultel, A.: 2014, *Theoretical study of the formation mechanism of laser-induced aluminum plasmas using Nd:YAG fundamental, second or third harmonics,* Spectrochimica Acta B **94-95**, 63.

72. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Bull**. **Obs**. **Astron**. **Belgrade 146, 105 [E 24]**.

3. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

73. **M**. **S**. **Dimitrijević: 1992, Bull**. **Obs**. **Astron**. **Belgrade 146, 115 [E 22]**.

1. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

74. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, Astron**. **Astrophys**. **Suppl**. **Series 96, 613 [A 64]**.

1. Reindl, N., Geier, S., Kupfer, T., Bloemen, S., Schaffenroth, V., Heber, U., Barlow, B. N., Østensen, R. H.: 2016, *Radial velocity variable, hot post-AGB stars from the MUCHFUSS project*. *Classification, atmospheric parameters, formation scenarios*, Astronomy and Astrophysics **587**, A101.

2. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

75. **A**. **A**. **Mihajlov, N**. **N**. **Ljepojević, M**. **S**. **Dimitrijević: 1992, J**. **Phys**. **B 25, 5121 [A 66]**.

2. Mihajlov, A. A., Ignjatović, Lj. M., Djurić, Y., Ljepojević, N. N.: 2004, *The rate coefficients for the processes of (n – n')-mixing in collisions of Rydberg atoms H*(n) with H(1s) atoms*, Journal of Physics B **37**, 4493.

3. Ignjatović, Lj. M., Mihajlov, A. A.: 2005, *Rate coefficient for the chemi-ionization in slow Li*(n) + Li and Na*(n)*. *+ Na collisions*, Physical Review A **72**, 022715.

4. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He(1s^2) collisions on He*(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.

76. **V**. **Kršljanin, M**. **S**. **Dimitrijević: 1992, in The Atmospheres of Early-Type Stars, eds**. **U**. **Heber, C**. **S**. **Jeffery, Lect**. **Notes in Physics 401, 371 [Д 19]**.

1. Vennes, S., Kawka, A., Németh, P.: 2011, *Accretion and Diffusion in the DAZ White Dwarf GALEX J1931+0117,* In: Planetary systems beyond the main sequence, AIP Conference Proceedings, **1331**, 246.
2. Vennes, S., Kawk,a, A., Németh, P.: 2011, *Pressure shifts and abundance gradients in the atmosphere of the DAZ white dwarf GALEX J193156.8+011745*, Monthly Notices of the Royal Astronomical Society, 413, 2545.

77. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1992, Bull**. **Astron**. **Belgrade 145, 81 [E 21]**.

1. Vennes, S., Kawka, A., Németh, P.: 2011, *Pressure shifts and abundance gradients in the atmosphere of the DAZ white dwarf GALEX J193156.8+011745*, Monthly Notices of the Royal Astronomical Society, 413, 2545.
2. Kawka, A., Vennes, S.: 2012, *VLT/X-shooter observations and the chemical composition of cool white dwarfs,* Astronomy and Astrophysics, **538**, A13.
3. Burger, M., Hermann, J.: 2016, *Stark broadening measurements in plasmas produced by laser ablation of hydrogen containing compounds*, Spectrochimica Acta B, **122**, 118.

78. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, J**. **Quant**. **Spectrosc**. **Radiative Transfer 49, 157 [A 67]**.

5. Gehlen, C. D., Wiens, E., Noll, R., Wilsch, G., Reichling, K.: 2009, *Chlorine detection in cement with laser-induced breakdown spectroscopy in the infrared and ultraviolet spectral range*, Spectrochimica Acta B **64**, 1135.
6. Lagrange, J. F., Hermann, J., Motret, O.: 2009, *Early phase diagnostics of CaCu3Ti4O12 pulsed laser plasma*, 19th International Symposium on Plasma Chemistry (ISPC-19), Bochum, Germany, 26–31 July 2009, Proceedings, 529.
7. Lagrange, J. F., Hermann, J., Wolfman, J., Motret, O.: 2010, *Dynamical plasma study during $CaCu_3Ti_4O_{12}$ and $Ba_{0.6}Sr_{0.4}TiO_3$ pulsed laser deposition by local thermodynamic equilibrium modeling*, Journal of Physics D: Applied Physics, **43**, 285202.
8. Noll, R.: 2012, *Bulk Analysis of Nonconducting Materials*, Laser-Induced Breakdown Spectroscopy; Fundamentals and Applications, Springer, 275.
9. Aguilera, J. A., Aragon, C., Manrique, J.: 2014, *Measurement of Stark widths and shifts of Ca II spectral lines*, Monthly Notices of the Royal Astronomical Society **444**, 1854.

79. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, Astron**. **Astrophys**. **Suppl**. **Series 100, 91 [A 68]**.

3. Fontaine, M., Chayer, P., Wesemael, F., Fontaine, G., Lamontagne, R.: 2006, *Analysis of the FUSE spectra of the He-poor SDO star MCT 0019-2441*, Baltic Astronomy **15**, 99.
4. Rauch, T., Ziegler, M., Werner, K., Kruk, J. W., Oliveira, C. M., Vande Putte, D., Mignani, R. P., Kerber, F.: 2007, *High-resolution FUSE and HST ultraviolet spectroscopy of central star of Sh 2-216*, Astronomy and Astrophysics **470**, 317.
5. Fontaine, M., Chayer, P., Oliveira, C. M., Wesemael, F., Fontaine, G..: 2008, *Analysis of the FUSE spectrum of the hot, evolved star GD 605,* Astrophysical Journal **678**, 394.
6. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
7. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275.
8. Burger, M., Hermann, J.: 2016, *Stark broadening measurements in plasmas produced by laser ablation of hydrogen containing compounds*, Spectrochimica Acta B, **122**, 118.
9. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.

80. **A**. **A**. **Mihajlov, A**. **M**. **Ermolaev, M**. **S**. **Dimitrijević: 1993, JQSRT 50, 227 [A 69]**.

3. Kunze, H-J: 2009, *Introduction to Plasma Spectroscopy*, Springer Series on Atomic Physics **56**, Springer, Dordrecht.
4. Sanghoo Park, Wonho Choe, Se Youn Moon, Suk Jae Yoo: 2018, *Electron characterization in weakly ionized collisional plasmas: from principles to techniques*, Advances in Physics: **X 4(1)**, 1526114

81. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević, Lj**. **M**. **Ignjatović: 1993, Astron**. **Astrophys**. **276, 187 [A 71]**.

2. Lebedev, V. S., Presnyakov, L. P.: 2002, *Photodissociation from a manifold of rovibrational states and free-free absorption by a diatomic molecule*, Journal of Physics B **35**, 4347.
3. Lebedev, V. S., Presnyakov, L. P.: 2003, *Photodissociation from a manifold of rovibrational states and free-free absorption by a diatomic molecule*, Journal of Physics B **35**, 4347.
4. Лебедев, В. С., Пресняков, Л. П., Собельман, И. И.: 2003, *Радиационные переходы молекулрярного иона* H_2^+, Успехи физических наук, **173**, 491.

5. Presnyakov, L. P., Lebedev, V. S.: 2005, *Photodissociation and free-free absorption of molecular ions*, AIP Conference Proceedings **771**, 189.
6. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M.: 2004, *H^+ + H(1s) collisions at intermediate impact velocities as a new source of UV and VUV radiation*, Astronomy and Astrophysics **419**, 1.
7. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M., Sakan, N.: 2004, *Radiative charge exchange in ion-atom collisions at intermediate impact velocities: spectral characteristics and possibilities of experimental studies*, Journal of Physics B, **37**, 3563.
8. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.
9. Kislov, K. S., Narits, A. A., Lebedev, V. S..: 2020, *Temperature Dependences of Photodissociation Cross Sections in Krypton Plasma,* Bulletin of the Lebedev Physics Institute, **47,** 308.
10. Кислов, К. С., Нариц, А. А., Лебедев, В. С.: 2020, *Температурные зависимости сечений фотодиссоциации в криптоновой плазме,* Краткие сообщения по физике ФИАН, **10**, 24.

82. **M**. **S**. **Dimitrijević: 1993, Astron**. **Astrophys**. **Suppl**. **Series 100, 237 [A 72]**.
6. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
7. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.

83. **L**. **Č**. **Popović, I**. **Vince, M**. **S**. **Dimitrijević: 1993, Astron**. **Astrophys**. **Suppl**. **Series 102, 17 [A 73]**.
4. Xu, L. H., Persson, A., Svanberg, S., Blagoev, K., Malcheva, G., Pentchev, V., Biémont, E., Campos, J., Ortiz, M., Mayo, R.: 2004, *Radiative lifetime and transition probabilities in Cd I and Cd II*, Phys. Rev. A **70**, 042508.
5. Gornushkin, I. B., Kazakov, A. Ya., Omenetto, N., Smith, B. W., Winefordner, J. D.: 2005, *Experimental verification of a radiative model of laser-induced plasma expanding into vacuum*, Spectrochimica Acta B **60**, 215.
6. Mayo, R., Ortiz, M., Campos, J., Blagoev, K., Malcheva, G.: 2005, *Transition probabilities of some high lying states of Cd II*, Physica Scripta **72**, 142.
7. Mayo, R., Ortiz, M., Campos, J.: 2006, *Experimental oscillator strengths of Zn II lines of astrophysical interest*, European Journal of Physics D **37**, 181.
8. Shaikh, N. M., Rashid, B., Hafeez, S., Mahmood, S., Saleem, M., Baig, M. A.: 2006, *Diagnostics of cadmium plasma produced by laser ablation,* Journal of Applied Physics **100**, 073102.

9. Dixit, G., Nataraj, H. S., Sahoo, B. K., Chaudhuri, R. K., Majumder, S.: 2008, *Relativistic calculations of the lifetimes and hyperfine structure constants in $^{67}Zn^{+}$*, Journal of Physics B **41**, 025001.
10. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.
11. Mayo, R., Ortiz, M.: 2008, *Measurements of some Zn II Stark widths*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 311.
12. Mayo, R., Ortiz, M.: 2008, *Transition probabilities of Re I measured in a laser produced plasma*, XIX ESCAMPIG, Granada, 2-83.
13. Çelik, Gültekin, Erol, Elmas, Taşer, Mehmet: 2013, *Transition probabilities, oscillator strengths and radiative lifetimes for Zn II*, Journal of Quantitative Spectroscopy and Radiative Transfer, **129**, 263.
14. Nandy, D. K., Sahoo, B. K.: 2015, *Relativistic calculations of radiative properties and fine structure constant varying sensitivity coefficients in the astrophysically relevant Zn II, Si IV and Ti IV ions*, Monthly Notices of the Royal Astronomical Society, **447**, 3812.

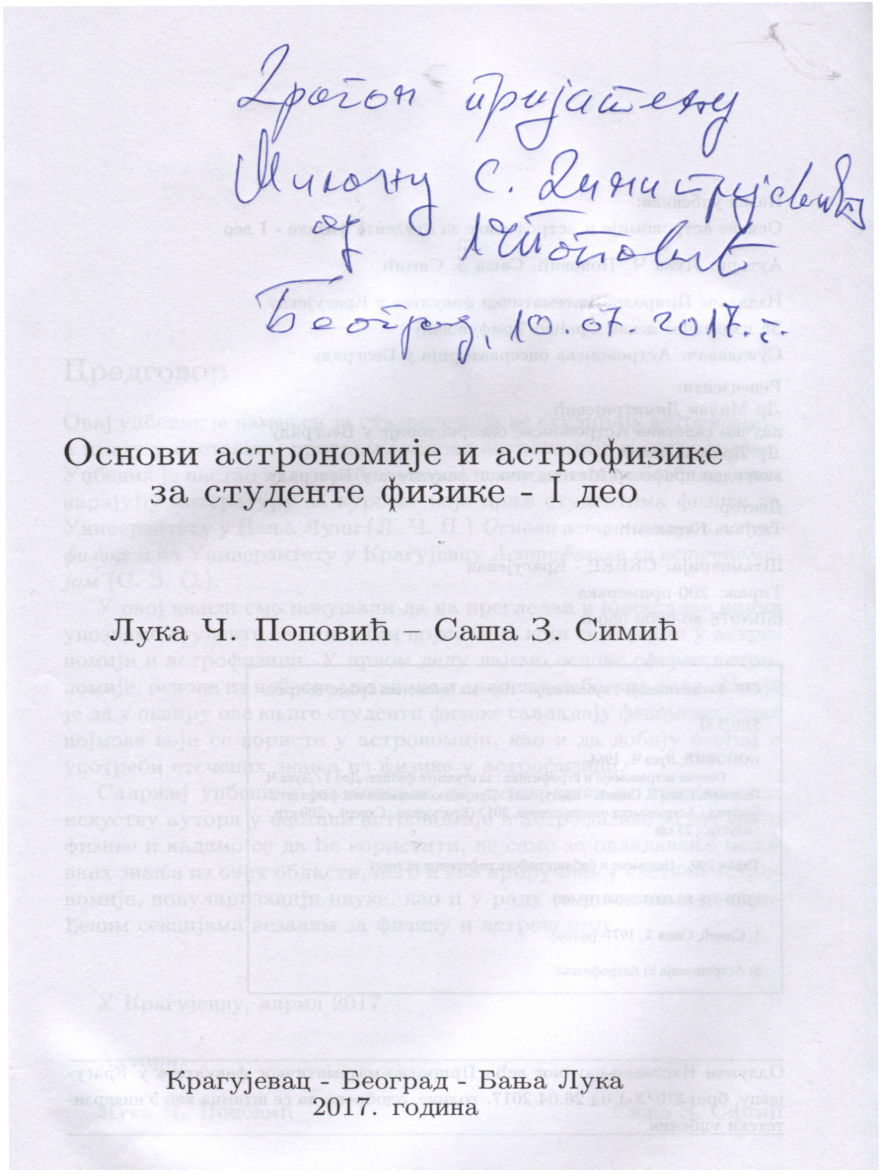
84. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, Astron**. **Astrophys**. **Suppl**. **Series 99, 585 [A 74]**.

6. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics.
7. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275. Novi Sad, 261.
8. Löbling, L.: 2020, *NLTE spectral analysis of the intermediate helium-rich subdwarf B star CPD-20°1123,* Monthly Notices of the Royal Astronomical Society, **497**, 67.

85. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, Astron**. **Astrophys**. **Suppl**. **Series, 101, 587 [A 77]**.

8. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions; T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
9. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
10. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Sympo-

sium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.



11. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275.
12. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

86. **M**. **S**. **Dimitrijević, L**. **Č**. **Popović: 1993, Astron**. **Astrophys**. **Suppl**. **Series 101, 583 [A 78]**.

1. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.
2. Nominé Anna V., Noel Cédric, Gries Thomas, Nominé Alexandre, Milichko Valentin A., Belmonte Thierry: 2021, *Study by Optical Spectroscopy of Bismuth Emission in a Nanosecond-Pulsed Discharge Created in Liquid Nitrogen,* Molecules, **26**, 7403.

87. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1993, Bull**. **Obs**. **Astron**. **Belgrade 147, 35 [E 27]**.

1. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, 59, 54.
2. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2020, *Stark broadening measurements of Al II, Al III and He I 388.86 nm spectral lines at high electron densities,* Spectrochimica Acta Part B: Atomic Spectroscopy, **166**, 105816.

88. **M**. **S**. **Dimitrijević, S**. **Sahal-Brechot: 1993, Bull**. **Astron**. **Belgrade, 148, 65 [E 30]**.

1. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.

89. **M**. **S**. **Dimitrijević, S**. **Sahal-Brechot: 1993, Bull**. **Astron**. **Belgrade, 148, 21 [E 28]**.

1. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

90. **M**. **S**. **Dimitrijević, S**. **Sahal-Brechot: 1993, Bull**. **Astron**. **Belgrade, 148, 29 [E 29]**.

2. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions; T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
3. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
4. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

91. **M**. **S**. **Dimitrijević, S**. **Sahal-Brechot: 1993, Publ**. **Obs**. **Astron**. **Belgrade, 44, 59 [J 27]**.

1. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II, and Ba II spectral lines,* Astron. Astrophys. **555**, A144.

92. **L. Č. Popović, M. S. Dimitrijević, I. Vince: 1993, X Nac. konf. astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade 44, 55, [J 26]**.

1. Vince, I., Vince, O.: 2010, *Contamination of the 5394 Å spectral region by telluric lines,* New Astronomy, **15**, 669.

93. **M. S. Dimitrijević, S. Sahal-Bréchot: 1993, X Nac. konf. astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade 44, 69, [J 29]**.

1. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, 59, 54.

94. **M. S. Dimitrijević, Z. Djurić, A. A. Mihajlov: 1994, J. Phys. D 27, 247 [A 81]**.

11. Pérez-Tijerina, Bohigas, J., Machorro, R.: 2005, *Density and temperature maps of an aluminium plasma produced by laser ablation*, Revista Mexicana de Fisica **51**, 153.
12. Yeates, P., Kennedy, E. T.: 2010, *Spectroscopic, imaging, and probe diagnostics of laser plasma plumes expanding between confining surfaces*, Journal of Applied Physics **108**, 093306.
13. Yeates, P.: 2011, *Biberman 'free-bound' continuum correction factor approximation for line-to-continuum temperature diagnostic of aluminium laser plasma*, Journal of Physics **44**, 075002.
14. Yeates, P., Kennedy, E. T.: 2011, *Spectroscopic diagnostics of plume rebound and shockwave dynamics of confined aluminum laser plasma plumes*, Physics of Plasmas **18**, 063106.
15. Yeates, P., Kennedy, E. T.: 2011, *Diagnostics of laser plasma plume dynamics within an electrically biased confining cavity*, Journal of Applied Physics **110**, 063303.
16. Zhao Junping, Qiaogen Zhang, Wenyu Yan, Xuandong Liu, Longchen Liu, Qing Zhou, Aici Qiu: 2013, *Plasma Characteristics of Single Aluminum WireElectrically Exploded in High Vacuum*, IEEE Transactions on Plasma Science, **41**, 2207.
17. Zhao Junping, Qiaogen Zhang, Wenyu Yan, Xuandong Liu, Longchen Liu, Qing Zhou, Aici Qiu: 2013, *Expansion Characteristics of Plasma Generated by Electrically Exploding Single Aluminum Wire in High Vacuum*, IEEE Transactions on Plasma Science, **41**, 2214.
18. Kim, J., Heo, D., Yang, K., Lee, K. H.: 2014, *Plume dynamics of a laser produced plasma from a dot targe*t, Journal of the Korean Physical Society **64**, 30.
19. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2020, *Stark broadening measurements of Al II, Al III and He I 388.86 nm spectral lines at high electron densities,* Spectrochimica Acta Part B: Atomic Spectroscopy, **166**, 105816.

95. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1994, Astron**. **Astrophys**. **Suppl**. **Series 105, 245 [A 83]**.

5. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
6. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2011*, Stark Width Regularities within Beryllium Spectral Series*, Publications of the Astronomical Society of Australia **28,** 281.
7. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
8. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

96. **Mihajlov, A**. **A, Dimitrijević, M**. **S., Ignjatović, Lj**. **M.: 1994, Astron**. **Astrophys**. **287, 1026 [A 85]**.

3. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M.: 2004, $H^+ + H(1s)$ *collisions at intermediate impact velocities as a new source of UV and VUV radiation*, Astronomy and Astrophysics **419**, 1.

97. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1994, Astron**. **Astrophys**. **Suppl**. **Series 107, 349 [A 86]**.

5. Schöning Thomas: 1995, *Line broadening in hot stellar atmospheres,* Proceedings of the 9th European Workshop on White Dwarfs, Kiel, Germany, 29 August - 1 September 1994, eds. Detlev Koester, Klaus Werner, Lecture Notes in Physics, **443**,113.
6. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
7. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions; T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
8. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
9. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.

10. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
11. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

98. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1994, Bull**. **Astron**. **Belgrade 149, 31 [E 31]**.

4. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
5. Fossati, L., Ryabchikova, T., Shulyak, D. V., Haswell, C. A., Elmasli, A., Pandey, C. P., Barnes, T. G., Zwintz, K.: 2011, *The accuracy of stellar atmospheric parameter determinations: a case study with HD 32115 and HD 37594*, Monthly Notices of the Royal Astronomical Society **417**, 495.
6. Tapalaga, I., Dojčinović, I. P., Purić, J.: 2011, *Stark width regularities within magnesium spectral series*, Monthly Notices of the Royal Astronomical Society **415**, 503.
7. Cvejić, M., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2013, *Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser induced plasma*, Spectrochimica Acta Part B: Atomic Spectroscopy, **85**, 20.
8. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
9. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas,* Spectrochimica Acta Part B: Atomic Spectroscopy, **202**, 163485.

99. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1994, Bull**. **Astron**. **Belgrade 150, 95 [E 33]**.

4. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Stark broadening and transition probability ratios in the Mg I spectrum*, Astronomy and Astrophysics, **425**, 361.
5. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.

100. **M**. **S**. **Dimitrijević, P**. **V**. **Grujić, N**. **Simonović: 1994, J**. **Phys**. **B 27, 5717 [A 88]**.

8. Uptal Roy, Roy, K., Sil, N. C.: 2000 *Threshold Limit of Electron and Positron Impact Ionization of Hydrogen Atom in the Effective Charge Model*, Physica Scripta **62**, 310.

9. Chocian, P., Ihra, W., O'Mahony, P. F.: 2000, *Classical and quantum threshold laws in 3-body Coulomb breakup*, Physics Essays **13**, 394.
10. Grujić, P. V.: 2003 *Threshold Law for e + A^- --> A + 2e Detachment*, Physica Scripta **68**, C90.
11. Condren, D. S., McCann, J. F., Crothers, D. S. F.: 2006, *Semiclassical treate*, Journal of Physics B **39**, 3639.
12. Crothers, D. S. F.: 2007, *Semiclassical dynamics and relaxation*, Springer series on atomic, optical, and plasma physics, **47**, Springer, Dordrecht.
13. Grujić, P.: 2011, *The Concept of Fractal Cosmos: III. Present State*, Serbian Astronomical Journal **182**, 1.
14. Grujić, P.: 2012, *Classical theory of atomic collisions – The first hundred years*, Nuclear Instruments and Methods in Physics Research B, **279**, 44.
15. Grujić, P., Simonović, N.: 2012, *Insights from the CLASSICAL ATOM ,* Physics Today **65 (5)**, 40.

101. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević, Lj**. **Ignjatović, Z**. **Djurić: 1994, Astron**. **Astrophys**. **Suppl**. **Series 103, 57 [A 80]**.

1. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M.: 2004, *H^+ + H(1s) collisions at intermediate impact velocities as a new source of UV and VUV radiation*, Astronomy and Astrophysics **419**, 1.
2. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.

102. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1994, Physica Scripta 49, 34 [A 79]**.

1. Morel, V., Bultel, A.: 2014, *Theoretical study of the formation mechanism of laser-induced aluminum plasmas using Nd:YAG fundamental, second or third harmonics,* Spectrochimica Acta B **94–95**, 63.
2. Surmick, D. M., Parigger, C. G.: 2015, *Self-Absorption Corrections to Hydrogen and Aluminum Line Profiles in Laser-Induced Plasma,* International Review of Atomic and Molecular Physics, **6**, 101.
3. Zhao Junping, Xu Zhuo, Yan Wenyu, Liu Haoyu, Zhang Qiaogen: 2017, *Characteristics and Diffusion of Electrical Explosion Plasma of Aluminum Wire in Argon Gas,* IEEE Transactions on Plasma Science, **45**, 185.
4. Savovic Jelena , Momcilovic Milos, Zivkovic Sanja, Stancalie Andrei, Trtica Milan, Kuzmanovic Miroslav: 2017, *LIBS Analysis of Geomaterials: Comparative Study of Basalt Plasma Induced by TEA CO 2 and Nd:YAG Laser in Air at Atmospheric Pressure,* Journal of Chemistry, **Volume 2017**, Article ID 9513438.
5. Zivkovic Sanja, Savovic Jelena , Kuzmanovic Miroslav, Petrović Jelena, Momcilovic Milos: 2018, *Alternative analytical method for direct determination of Mn and Ba in peppermint tea based on laser induced breakdown spectroscopy,* Microchemical Journal **137,** 410.
6. Momcilovic Milos, Zivkovic Sanja, Kuzmanovic Miroslav, Ciganovic Jovan, Rankovic Dragan, Trtica Milan, Savovic Jelena: 2019, *The Effect*

of Background Gas on the Excitation Temperature and Electron Number Density of Basalt Plasma Induced by 10.6 Micron Laser Radiation, Plasma Chemistry and Plasma Processing, https://doi.org/10.1007/s11090-019-09987-4

7. Kumar Prashant, Swetapuspa Soumyashree, Nageswara Rao Epuru, Swaroop B Banerjee, R P Singh, K P Subramanian: 2020, *Determination of Stark Shifts and Widths Using Time Resolved Laser-Induced Breakdown Spectroscopy (LIBS) Measuremen*t, Applied Optics, **74**, 913.
8. Kuzmanovic, M., Stancalie, A., Milovanovic, D., Staicu, A., Damjanovic-Vasilic, A., Rankovic, D., Savovic, J.: 2021, *Analysis of lead-based archaeological pottery glazes by laser induced breakdown spectroscopy*, Optics and Laser Tecnology, **134**, 106599.

103. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1995, Astron**. **Astrophys**. **Suppl**. **Series 109, 551 [A 89]**.

4. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
5. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275.

104. **M**. **S**. **Dimitrijević: 1995, Astron**. **Astrophys**. **Suppl**. **Series 111, 565 [A 90]**.

3. Liming Liu, Ruisheng Huang, Gang Song, Xinfeng Hao: 2008, *Behavior and Spectrum Analysis of Welding Arc in Low-Power YAG-Laser-MAG Hybrid-Welding Process*, IEEE Transaction on Plasma Science **36**, 1937.
4. Aragon, P., Vega, P., Aguilera, J. A.: 2011, *Stark width measurements of Fe II lines with wavelengths in the range 260–300 nm*, Journal of Physics B **44**, 055002.
5. Aguilera, J. A., Manrique, J., Aragón, C.: 2011, *Stark width measurements of Fe II lines with wavelengths in the range 230-260 nm*, Journal of Physics B **44**, 245701.
6. Farooq, W. Aslam, Walid Tawfik, Fahad N. AL-Mutairi, Zeyad A. Alahmed: 2013, *Qualitative Analysis and Plasma Characteristics of Soil from a Desert Area using LIBS Technique*, Journal of the Optical Society of Korea **17**, 548.
7. Aragón, C., Aguilera, J. A., Manrique, J.: 2014, *Measurement of Stark broadening parameters of Fe II and Ni II spectral lines by laser induced breakdown spectroscopy using fused glass samples*, Journal of Quantitative Spectroscopy and Radiative Transfer **134**, 39.

105. **A**. **M**. **Ermolaev, A**. **A., Mihajlov, Lj**. **M, Ignjatović, M**. **S., Dimitrijević: 1995, J**. **Phys**. **D 28, 1047 [A 91]**.

2. Hammer, D., Frommhold, L.: 2002, *Light Emission of Somnoluminescent bubbles containing a rare gas and water vaport*, Physical Review E **65**, 046309.
3. Anderson, J. K., Andrew, P. L., Chapman, B. E., Craig, D., Den Hartog, D. J.: 2003, *Direct removal of edge-localized pollutant emission in a near-in-*

frared bremsstrahlung measurement, Review of Scientific Instruments, **74**, 2107.

4. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M., Sakan, N.: 2004, *Radiative charge exchange in ion-atom collisions at intermediate impact velocities: spectral characteristics and possibilities of experimental studies*, Journal of Physics B, **37**, 3563.
5. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.

106. M. S. Dimitrijević, S. Sahal-Bréchot: 1995, Physica Scripta 52, 41 [A 92].

5. Ivković, M. Ben Nessib, N. Konjević, N.: 2004, *Stark broadening of $3s^3P^0$–$3p^3D$ transitions along carbon isoelectronic sequence of ions*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade 2004, 285.
6. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2004, *Semi-Classical Calculations of Stark Broadening Impact Theory of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **70**, 142.
7. Ivković, M., Ben Nessib, N., Konjević, N.: 2005, *Stark broadening of $3s^3P^0$ – $3p^3D$ and $3p^3D$ – $3d^3F^0$ transitions along carbon isoelectronic sequences of ions revisited*, Journal of Physics B **38**, 715.
8. Hoffman, J., Szymanski, Z., Azharonok, V.: 2006, *Plasma plume induced during laser welding of magnesium alloys*, International Conference on Research and Applications of Plasmas (PLASMA 2005), September 06-09, 2005 Opole, eds. Sadowski, M. J., Dudeck, M., Hartfuss, H. J., Pawelec, E., AIP Conference Proceedings **812**, 469.
9. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2007, *Quantum-mechanical calculations of Ne VII spectral line widths*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.
10. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
11. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
12. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

13. Sobral, H., Sanginés, R., Trujillo-Vázquez, A.: 2012, *Detection of trace elements in ice and water by laser-induced breakdown spectroscopy*, Spectrochimica Acta B **78**, 62.
14. Sobral, H., Robledo-Martinez, A.: 2016, *Signal enhancement in laser-induced breakdown spectroscopy using fast square-pulse discharges*, Spectrochimica Acta B: Atomic Spectroscopy, **124**, 67.
15. Robledo-Martinez, A., Sobral, H., Garcia-Villarreal, A.: 2018, *Effect of applied voltage and inter-pulse delay in spark-assisted LIBS*, Spectrochimica Acta B: Atomic Spectroscopy, **144**, 7.
16. Sobral, H., Quintana-Silva, G., Robledo-Martinez, A.: 2020, *Time-resolved optical characterization of the interaction between a laser produced plasma and a spark discharge*, Spectrochimica Acta B: Atomic Spectroscopy, **167**, 105844..

107. **M**. **S**. **Dimitrijević: 1995, Astron**. **Astrophys**. **Suppl**. **Series 114, 171 [A 93]**.

3. Mayo, R., Bouzas, V., Ortiz, M.: 2007, *Experimental Stark widths for Ni II*, "Lecture Notes and Essays in Astrophysics. III", after the III Astophysics Simposium during the XXXI Scientific biannual meeting of the Royal Spanish Physical Society (RSEF), Granada, Spain, September 10-14, 2007, 1-4.
4. Mayo, R., Ortiz, M., Plaza, M.: 2008, *Measured Stark widths of several Ni II spectral lines*, Journal of Physics B **41**, 095702.
5. Aguilera, J. A., Aragón, C., Manrique, J.: 2013, *Measurement of Stark widths of Ni II spectral lines by laser induced breakdown spectroscopy*, Journal of Quantitative Spectroscopy and Radiative Transfer, **114**, 151.
6. Aragón, C., Aguilera, J. A., Manrique, J.: 2014, *Measurement of Stark broadening parameters of Fe II and Ni II spectral lines by laser induced breakdown spectroscopy using fused glass samples*, Journal of Quantitative Spectroscopy and Radiative Transfer **134**, 39.

108. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1995, Bull**. **Astron**. **Belgrade 151, 101 [E 35]**

3. Bukvić, S., Srećković, A., Djeniže, S.: 2004, *Mg II h and k lines Stark parameters*, New Astronomy **9**, 629.
4. Djeniže, S., Bukvić, S., Srećković, A., Platiša, M.: 2004, *Mg II spectral line broadening in helium, oxygen and argon-helium plasmas*, Astronomy and Astrophysics **424**, 561.
5. Srećković, A., Bukvić, S., Djeniže, S.: 2004, *Stark broadening parameters of the 381.96 nm He I line*, European Journal of Physics D **30**, 93.
6. Djeniže, S., Srećković, A., Bukvić, S.: 2005, *Mg II 448.1 nm spectral line Stark broadening parameters*, Japanese Journal of Applied Physics **44**, 1450.
7. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
8. Vennes, S., Kawk,a, A., Németh, P.: 2011, *Pressure shifts and abundance gradients in the atmosphere of the DAZ white dwarf GALEX*

J193156.8+011745, Monthly Notices of the Royal Astronomical Society, **413**, 2545.

9. Cvejić, M., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2013, *Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser induced plasma*, Spectrochimica Acta Part B: Atomic Spectroscopy, **85**, 20.
10. Zhu Yingjie, Kowalski Adam F., Tian Hui, Uitenbroek Han, Carlsson Mats, Allred Joel C.: 2011, *Modeling Mg II h, k and Triplet Lines at Solar Flare Ribbons*, Astrophysical Journal, **879**, 19.

109. **M**. **S**. **Dimitrijević: 1995, Publ**. **Obs**. **Astron**. **Belgrade 48, 127 [Γ 5]**.

2. Schiler, F., Przybilla, N.: 2008, *Quantitative spectroscopy of Deneb,* Astronomy and Astrophysics **479**, 849.

110. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1995, Publ**. **Obs**. **Astron**. **Belgrade 50, 51 [J 35]**.

2. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.

111. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević, Lj**. **M**. **Ignjatović, Z**. **Djurić: 1995, Astrophys**. **J**. **454, 420 [A 95]**.

4. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M., Sakan, N.: 2004, *Radiative charge exchange in ion-atom collisions at intermediate impact velocities: spectral characteristics and possibilities of experimental studies*, Journal of Physics B, **37**, 3563.
5. Mihajlov, A. A., Ermolaev, A. M., Ignjatović, Lj. M.: 2004, *H^+ + H(1s) collisions at intermediate impact velocities as a new source of UV and VUV radiation*, Astronomy and Astrophysics **419**, 1.

112. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1996, Astron**. **Astrophys**. **Suppl**. **Series 115, 351 [A 96]**.

2. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.

113. **A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević, Z**. **Djurić: 1996, Physica Scripta 53, 159 [A 97]**.

3. Mihajlov, A. A., Ignjatović, Lj. M., Djurić, Y., Ljepojević, N. N.: 2004, *The rate coefficients for the processes of (n – n')-mixing in collisions of Rydberg atoms H*(n) with H(1s) atoms*, Journal of Physics B **37**, 4493.
4. Ignjatović, Lj. M., Mihajlov, A. A.: 2005, *Rate coefficient for the chemi-ionization in slow Li*(n) + Li and Na*(n). + Na collisions*, Physical Review A **72**, 022715.
5. Barklem, P.: 2007, *Non-LTE Balmer line formation in late-type spectra: effects of atomic processes involving hydrogen atoms*, Astronomy and Astrophysics **466**, 327.
6. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He($1s^2$) collisions on*

He(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.
7. Ignjatović, Lj. M., Mihajlov, A. A., Klyucharev, A. N.: 2008, *The rate coefficientsof the chemi-ionization processes in slow Li*(n) + Na collisions*, Journal of Physics B **41**, 025203.
8. Mashonkina L.: 2009, *Atomic data necessary for the non-LTE analysis of stellar spectra*, Physica Scripta **T134**, 014004.
9. Gnedin, Yu. N., Mihajlov, A. A., Ignjatović, Lj. M., Sakan, N. M., Srećković, V. A., Zakharov, M. Yu., Bezuglov, N. N., Klyucharev, A. N.: 2009*, Rydberg atoms in astrophysics,* New Astronomy Review, **53,** 259.
10. Mashonkina, L.: 2010, *Accurate Collisional Cross-Sections: Important Non-Lte Input Data*, "Non-LTE Line Formation for Trace Elements in Stellar Atmospheres", Eds. R. Monier, B. Smalley, G. Wahlgren, Ph. Stee, European Astronomical Society (EAS) Publications Series **43**, 79.
11. Rej Pramit, Ghoshal Arijit: 2014*, Rydberg transitions for positron–hydrogen collisions: asymptotic cross section and scaling law,* Journal of Physics B **47**, 015204.
12. Gnedin, Yu. N., Piotrovich, M. Yu., Klyucharev, A. N.: 2015, *Rydberg States of Atoms and Molecules in the Atmospheres of Very Cool Stars with Magnetic Fields,* in Physics and Evolution of Magnetic and Related Stars, eds. Kudryavtsev, D. O., Balega, Yu. Yu., Romanyuk, I. I., ASP Conference Series, **494**, 261.
13. Lin Chengliang, Gocke Christian, Röpke Gerd, Reinholz Heidi: 2016, *Transition rates for a Rydberg atom surrounded by a plasma,* Physical Review A **93**, 042711.
14. Afanas'ev, V. L., Piotrovich, M. Yu., Gnedin, Yu. N., Buliga, S. D., Natsvlishvili, T. M.: 2018, *Spectropolarimetric Observations of Magnetic White Dwarfs with the SAO 6-m Telescope,* Astronomy Reports, **62**, 138.
15. Amarsi, A. M., Nordlander, T., Barklem, P. S., Asplund, M., Collet, R., Lind, K.: 2018, *Effective temperature determinations of late-type stars based on 3D non-LTE Balmer line formation,* Astronomy and Astrophysics, **615**, A139.
16. Лебедев, В. С., Кислов, К. С., Нариц, А. А.: 2020, *Резонансный захват электронов ионами в ридберговские состояния атомов,* Журнал Экспериментальной и Теоретической Физики*,* **157**, 579.
17. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Rydberg states population via three-body and dissociative recombination in low-temperature plasmas of rare gas mixtures,* Plasma Sources Science and Technology, **29**, 025002.
18. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Resonant Electron Capture by Ions into Rydberg States of Atoms,* Journal of Experimental and Theoretical Physics, **130**, 483.

19. Narits, A. A., Kislov, K. S., Lebedev, V. S.: 2020, *Semiclassical theory of resonant dissociative excitation of molecular ions by electron impac*t, Journal of Physics B, **53**, 195201.

114. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1996, Physica Scripta 53, 325 [A 98]**.

4. Colon, C., Alonso-Medina, A., Rivero, C., Fernandez, F.: 2006, *Stark width and shift parameter predictions and regularities of Sn II*, Physica Scripta **73**, 410.
5. Alonso-Medina, A., Colon, C., Zanon, A.: 2008, *Theoretical study of Stark width and shift parameters of Pb III lines: Predictions and regularities*, Monthly Notices of the Royal Astronomical Society **385**, 261.
6. Alonso-Medina, A., Colón, C., Montero, J. L., Nation, L.: 2010, *Stark broadening of PbIV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **401**, 1080.
7. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.

115. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1996, Astron**. **Astrophys**. **Suppl**. **Series 116, 359 [A 99]**.

3. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132 (погрешно цитирано као **120,** 373).
4. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2006, *Stark Widths for low intensity Xe II Lines*, 23rd Summer School and International Symposium on the Physics of the Ionized Gases, August 28 – September 1st 2006, Kopaonik, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, eds. N. S. Simonović, B. P. Marinković, Lj. Hadžievski, Institute of Physics, Belgrade, 287.
5. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2006, *Stark widths of Xe II lines in a pulsed plasma*, J. Phys. B **39**, 2901.
6. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2007, *Stark shift measurements of Xe IIand Xe III spectral lines*, J. Phys. B **40**, 3477.
7. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2007, *Stark Broadening Measurements of Low-intensity Xe II Lines in Pulsed Discharges*, Journal of Research in Physics **31**, 11.
8. Dworetsky, M. M., Persaud, J. L., Patel, K.: 2008, *Xenon in mercury-manganese stars*, Monthly Notices of the Royal Astronomical Society **385**, 1523.
9. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

10. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
11. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.
12. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.
13. Levina, O. V.: 2010*, Character of Stark Shift of Ionic Lines in Plasma with Strong Interparticle Interaction*, Optics and Spectroscopy **109**, 506.
14. Marchenko, A. K., Chebotarev, V. V., Ladygina, M. S., Garkusha, I. E., Petrov, Yu. V., Solyakov, D. G., Staltsov, V. V., Hassanein, A.: 2010, *Compression zone formation in magnetoplasma compressor operating with heavy gases*, Problems of Atomic Science and Technology, No 6, Series: Plasma Physics (16), 94.
15. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
16. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037 (погрешно цитирано као **120,** 373).
17. Zanon, A., Alonso-Medina, A., Colon, C.: 2010, *Core polarization effect for the Stark broadening of Pb III spectral lines predictions and regularities,* International Review of Atomic and Molecular Physics, **1(1)**, 1.
18. Bandura, A. N., Byrka, O. V., Garkusha, I. E., Ladygina, M. S., Marchenko, A. K., Petrov, Yu. V., Solyakov, D. G., Chebotarev, V. V., Chuvilo. A. A.: 2011, *Characteristics of plasma streams and optimization of operational regimes for magnetoplasma compressor*, Problems of Atomic Science and Technology, No 1, Series: Plasma Physics (17), 68.
19. Yüce, K., Castelli, F., Hubrig, S.: 2011, *Wavelengths and oscillator strengths of Xe II from the UVES spectra of four HgMn stars*, Astronomy and Astrophysics **528**, A37.
20. Garkusha, I. E., Chebotarev, V. V., Solyakov, D. G., Petrov, Yu. V., Ladygina, M. S., Marchenko, A. K., Staltsov, V. V., Yelisyeyev, D. V.: 2012, *Compression zone of a magnetoplasma compressor as a source of extreme UV radiation*, Plasma Physics Reports, **38**, 110.
21. Djurović, S., Belmonte, M. T., Peláez, R. J., Aparicio, J. A., Mar, S. : 2013, *Stark parameter measurement of Ar II UV spectral lines*, Monthly Notices of the Royal Astronomical Society, **433**, 1082.
22. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.

116. **M**. **S**. **Dimitrijević, S**. **Djeniže, A**. **Srećković, M**. **Platiša: 1996, Physica Scripta 53, 545 [A 100]**.

9. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
10. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

117. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1996, Astron**. **Astrophys**. **Suppl**. **Series 117, 127 [A 101]**.

6. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Stark broadening and transition probability ratios in the Mg I spectrum*, Astronomy and Astrophysics, **425**, 361.
7. Ryde, N., Korn, A. J., Richter, M. J., Ryde, F.: 2004, *The Zeeman-sensitive emission lines of Mg I at 12 microns in Procyon*, Astrophysical Journal **617**, 551.
8. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
9. Tapalaga, I., Dojčinović, I. P., Purić, J.: 2011, *Stark width regularities within magnesium spectral series*, Monthly Notices of the Royal Astronomical Society **415**, 503.
10. Mashonkina, L.: 2013, *Astrophysical tests of atomic data important for the stellar Mg abundance determinations*, Astronomy and Astrophysics, **550**, A28.
11. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
12. Osorio, Y., Barklem, P. S., Lind, K., Belyaev, A. K., Spielfiedel, A., Guitou, M., Feautrier, N.: 2015, *Mg l ine formation in late-type stellar atmospheres; I. The model atom,* Astronomy and Astrophysics, **579**, A53.
13. Osorio, Y., Barklem, P. S., Lind, K., Belyaev, A. K., Spielfiedel, A., Guitou, M., Feautrier, N.: 2015, *Mg l ine formation in late-type stellar atmospheres*. *II. Calculations in a grid of 1D models,* Astronomy and Astrophysics, **586**, A120.

118. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1996, Physica Scripta 54, 50 [A 102]**.

6. Colon, C., Alonso-Medina, A., Rivero, C., Fernandez, F.: 2006, *Stark width and shift parameter predictions and regularities of Sn II*, Physica Scripta **73**, 410.
7. Alonso-Medina, A., Colon, C., Zanon, A.: 2008, *Theoretical study of Stark width and shift parameters of Pb III lines: Predictions and regularities*, Monthly Notices of the Royal Astronomical Society **385**, 261.
8. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.

9. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
10. Zanon, A., Alonso-Medina, A., Colon, C.: 2010, *Core polarization effect for the Stark broadening of Pb III spectral lines predictions and regularities,* International Review of Atomic and Molecular Physics, **1(1)**, 1.
11. Coons, R. W., Harilal, S. S., Polek, M., Hassanein, A.: 2011, *Spatial and temporal variations of electron temperatures and densities from EUV-emitting lithium plasmas*, Analytical and Bioanalytical Chemistry, **400**, 3239.
12. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.
13. Šćepanović, M., Dojčinović, I. P., Tapalaga, I., Milosavljević, M. K., Purić, J.: 2012, *Stark parameters regularities within transition arrays of multiply charged ions*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 261.
14. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, 65, 1275.
15. Akhmedzhanov, T. R., Antonov, V. A., Kocharovskaya, Olga: 2016, *Formation of ultrashort pulses from quasimonochromatic XUV radiation via infrared-field-controlled forward scattering,* Physical Review A, **94**, 023821.

119. **B**. **Blagojević, M**. **V**. **Popović, N**. **Konjević, M**. **S**. **Dimitrijević: 1996, Phys**. **Rev**.**E 54, 743 [A 103]**.

18. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
19. Yan Sun, Dong Dong Liu, Mao Fei Mei, Chun Mei Zhang, Chong Han, Feng Hu, Bing Cong Gou: 2015, *Energies, fine structures, and transitions of the core-excited sextet states* $^{6}S^{e,0}$ *(n) and* $^{6}P^{e,0}$ *(n) (n=1–5) of B-like ions*, Journal of Quantitative Spectroscopy and Radiative Transfer **167**, 145.
20. Sun Yan, Sang CuiCui, Hu, Feng, Qian XinYu, Liu DongDong, Mei MaoFei, Gou BingCong: 2017, *Rydberg series for quartet states of Li-like sulfur ion*, Journal of Quantitative Spectroscopy and Radiative Transfer **187**, 30.

120. **M**. **S**. **Dimitrijević: 1996, Zh**. **Prikl**. **Spektrosk**. **63, 810 [B 8]**.

6. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.

7. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

121. M. S. Dimitrijević, S. Sahal-Bréchot: 1996, Bull. Obs. Astron. Belgrade 153, 89 [E 38].

2. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.

122. M. S. Dimitrijević, S. Sahal-Bréchot: 1996, Bull. Obs. Astron. Belgrade 153, 101 [E 39].

1. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

123. **M. S. Dimitrijević, S. Sahal-Bréchot: 1996, Astron. Astrophys. Suppl. Series 119, 369 [A 106]**.

6. Djeniže, S., Srećković, A., Bukvić, S., 2007, *Role of the He I and He II metastables in the resonance 2p* $^2P^o_{1/2,3/2}$ *B III level population,* Astronomy and Astrophysics, **462**, 1.

7. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

8. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2014, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, Atoms, **2**, 207.

9. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2015, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 121.

10. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.

124. M. S. Dimitrijević, S., Sahal-Bréchot: 1996, Astron. Astrophys. Suppl. Series 119, 529 [A 107].

5. Santagata, A., Di Trolio, A., Parisi, G. P., Larciprete, R.: 2005, *Space and time resolved emission spectroscopy of* Sr_2FeMoO_6 *laser induced plasma*, Applied Surface Science **248**, 19.

6. Santagata, A., Di Trolio, A., Parisi, G. P., Larciprete, R.: 2005, *Laser ablated* Sr_2FeMoO_6 *plasma studied by optical emission spectroscopy*, 12th Advanced Laser Technologies 2004 Conference, Rome, September 10-15 2004, ed. Shcherbakov, I. A., Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), 5850, 43.

7. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.

8. Krähling Tobias, Geisler Sebastian, Okruss Michael, Florek Stefan, Franzke Joachim: 2015, *Spectroscopic measurements of the electron number density, electron temperature and OH(A) rotational distribution in a liquid electrode dielectric barrier discharge,* Spectrochimica Acta B: Atomic Spectroscopy, **114**, 20.

125. **M**. **S**. **Dimitrijević: J**. **Appl**. **Spectrosc**. **63, (1996), 684 [B 9]**.

1. Ivković, M., Jovićević, S., Konjević, N.: 2004, *Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas,* Spectrochimica Acta B **59**, 591.
2. Restrepo-Parra, E., Moreno-Montoya, L. E., Arango-Arango, P. J. : 2009, *ZnO thin film growth by pulsed vacuum arc discharge*, Surface and Coatings Technology, **204**, 271.
3. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
4. El-Koramy Reda A., Ashurbecov Nazer A.: 2011, *Calculation of Complete Absorption and Intensity of Optical Radiation Spectrum of HeI (λ= 5875 Å) with Fine Structure,* Journal of Modern Physics, **2**, 564.
5. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 20129, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.

126. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1996, Publ**. **Astron**. **Obs**. **Belgrade, 54, 39 [J 40]**.

1. Colón, C., Moreno-Díaz, C., Alonso-Medina, A.: 2013, *Theoretical Stark broadening parameters for spectral lines arising from the $2p^5ns$, $2p^5np$ and $2p^5nd$ electronic configurations of Mg III,* Monthly Notices of the Royal Astronomical Society, **435,** 1749.
2. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.

127. **M**. **S**. **Dimitrijević, S., Sahal-Bréchot: 1997, Astron**. **Astrophys**. **Suppl**. **Series 122, 163 [A 109]**.

4. Hafeez, S., Shaikh, N. M., Rashid, B., Baig, M. A.: 2008, *Plasma properties of laser-ablated strontium target,* Journal of Applied Physics **103**, 083117.
5. Schiler, F., Przybilla, N.: 2008, *Quantitative spectroscopy of Deneb,* Astronomy and Astrophysics **479**, 849.
6. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II,and Ba II spectral lines,* Astron. Astrophys. **555**, A144.
7. Hanif, M., Salik, M., Sheikh, Nek M., Baig, M. A.: 2013, *Laser-based optical emission studies of barium plasma,* Applied Physics B, **110**, 563.

8. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
9. Sausa Rosario C.: 2017, *Time-resolved imaging and optical spectroscopy of plasma plumes during pulsed laser material deposition,* Applied Optics, **56**, B123.
10. Kumar Manoj, Behera Narayan, Singh, R. K., Joshi, H. C.: 2022, *Optical time-of-flight and spectroscopic investigation of laser produced barium plasma in presence of magnetic field and ambient gas*, Physics Letters A, **429**, 127968.

128. **M**. **S**. **Dimitrijević: 1997, Astrophys**. **Space Sci**. **252, 415 [B 12]**.
4. Korotin, S. A.: 1999, *NLTE calculation for O II*, Odessa Astronomical Publications, **12**, 191.

129. **A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, M**. **M**. **Vasiljević, M**. **S**. **Dimitrijević: 1997, Astron**. **Astrophys**. **324, 1206 [A 111]**.
3. Mihajlov, A. A., Ignjatović, Lj. M., Djurić, Y., Ljepojević, N. N.: 2004, *The rate coefficients for the processes of (n – n')-mixing in collisions of Rydberg atoms H*(n) with H(1s) atoms*, Journal of Physics B **37**, 4493.
4. Deutsch, H., Becker, K., Grum-Grzhimailo, A. N., Probst, M., Matt-Leubner, S., Märk, T. D.: 2005, *Calculated Electron Impact Ionization Cross Sections of Excited Ne Atoms Using the DM Formalism*, Contribution to Plasma Physics, 45, 494.
5. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He(1s^2) collisions on He*(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.
6. Ignjatović, Lj. M., Mihajlov, A. A., Klyucharev, A. N.: 2008, *The rate coefficientsof the chemi-ionization processes in slow Li*(n) + Na collisions*, Journal of Physics B **41**, 025203.
7. Klyucharev, A. N., Bezuglov, N. N., Mihajlov, A. A., Ignjatović, Lj. M.: 2010, *Influence of inelastic Rydberg atom–atom collisional process on kinetic and optical properties of low-temperature laboratory and astrophysical plasmas*, Journal of Physics Conference Series **257**, 012027.
8. Dewangan, D. P.: 2012, *Asymptotic methods for Rydberg transitions*, Physics Reports, **511,** 1-142.
9. Kislov, K. S., Narits, A. A., Lebedev, V. S.: Dewangan, D. P.: 2020, Analysis of Efficiencies of Electron Capture by Ions into Rydberg States and Inelastic $n \rightarrow n'$ Transitions in Plasma of Inert Gas Mixtures, Optics and Spectroscopy, **128,** 448.
10. Лебедев, В. С., Кислов, К. С., Нариц, А. А.: 2020, *Резонансный захват электронов ионами в ридберговские состояния атомов,* Журнал Экспериментальной и Теоретической Физики*,* **157**, 579.
11. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Rydberg states population via three-body and dissociative recombination in low-temperature*

plasmas of rare gas mixtures, Plasma Sources Science and Technology, **29**, 025002.

12. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Resonant Electron Capture by Ions into Rydberg States of Atoms,* Journal of Experimental and Theoretical Physics, **130**, 483.

130. **A**. **A**. **Mihajlov, Z**. **Djurić, M**. **S**. **Dimitrijević, N**. **N**. **Ljepojević: 1997, Physica Scripta 56, 631 [A 112]**.

3. Ignjatović, Lj. M., Mihajlov, A. A.: 2005, *Rate coefficient for the chemi-ionization in slow Li*(n) + Li and Na*(n). + Na collisions*, Physical Review A **72**, 022715.
4. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He(1s^2) collisions on He*(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.
5. Ignjatović, Lj. M., Mihajlov, A. A., Klyucharev, A. N.: 2008, *The rate coefficientsof the chemi-ionization processes in slow Li*(n) + Na collisions*, Journal of Physics B **41**, 025203.
6. Gnedin, Yu. N., Mihajlov, A. A., Ignjatović, Lj. M., Sakan, N. M., Srećković, V. A., Zakharov, M. Yu., Bezuglov, N. N., Klyucharev, A. N.: 2009*, Rydberg atoms in astrophysics,* New Astronomy Review, **53,** 259.
7. Rej Pramit, Ghoshal Arijit: 2014*, Rydberg transitions for positron–hydrogen collisions: asymptotic cross section and scaling law,* Journal of Physics B **47**, 015204.
8. Gnedin, Yu. N., Piotrovich, M. Yu., Klyucharev, A. N.: 2015, *Rydberg States of Atoms and Molecules in the Atmospheres of Very Cool Stars with Magnetic Fields,* in Physics and Evolution of Magnetic and Related Stars, eds. Kudryavtsev, D. O., Balega, Yu. Yu., Romanyuk, I. I., ASP Conference Series, **494**, 261.
9. Lin Chengliang, Gocke Christian, Röpke Gerd, Reinholz Heidi: 2016, *Transition rates for a Rydberg atom surrounded by a plasma,* Physical Review A **93**, 042711.
10. Afanas'ev, V. L., Piotrovich, M. Yu., Gnedin, Yu. N., Buliga, S. D., Natsvlishvili, T. M.: 2018, *Spectropolarimetric Observations of Magnetic White Dwarfs with the SAO 6-m Telescope,* Astronomy Reports, **62**, 138.

131. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1997, Bulletin Astronomique de Belgrade 155, 159 [E 45]**.

2. Matsumoto Ayumu, Ohba Hironori, Toshimitsu Masaaki, Akaoka Katsuaki, Ruas Alexandre, Sakka Tetsuo, Wakaida Ikuo: 2018, *Fiber-optic laser--induced breakdown spectroscopy of zirconium metal in air: Special features of the plasma produced by a long-pulse laser*, Spectrochimica Acta B, **142**, 37.

132. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1997, Bulletin Astronomique de Belgrade 156, 173 [E 48]**.

1. Mohamed, W. T. Z., Askar, A.: 2007, *Study of the Matrix Effect on the Plasma Characteriyation of Heavz Elements in Soil Sediments using LIBS with a Portable Echelle Spectrometer,* Progress in Physics **1**, 46.
2. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

133. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1997, JENAM `97 (Joint European and National Astronomical Conference), New Trends in Astronomy and Astrophysics, Thessaloniki, European Space Agency (1997), 123 [JI 82]**.

1. Sahoo, B. K., Nataraj, H. S., Das, B. P., Chaudhuri, R. K., Mukherjee, D.: 2008, *Theoretical estimation of lifetimes of the lowest metastable states in Sc III and Y III*, Journal of Physics B, **41**, 055702.

134. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1997, in The Physics of ionized gases (18th SPIG), eds**. **B**. **Vujičić, S**. **Djurović, J**. **Purić, Institute of Physics, Faculty of Sciences, University of Novi Sad, Novi Sad, 477 [B 10]**.

1. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.

135. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1998, Astron**. **Astrophys**. **Suppl**. **Series 127, 295 [A 113]**.

4. Byrka, O. V., Bandura, A. N., Chebotarev, V. V., Garkusha, I. E., Ladygina, M. S., Marchenko, A. K., Trubchaninov, S. A., Tsarenko, A. V., Shevchuk, P. B., Tereshin, V. I.: 2006, *Investigations of pulsed plasma streams generated by "Prosvet" device operated with different gases,* Problems of Atomic Science and Technology, **6**, Series: Plasma Physics **12**, 144.

136. **M**. **S**. **Dimitrijević, S**., **Sahal-Bréchot: 1998, Astron**. **Astrophys**. **Suppl**. **Series 127, 543 [A 114]**.

2. Bengoechea, J., Kennedy, E. T.: 2004, *Time-integrated, spatially resolved plasma characterization of steel samples in the VUV,* Journal of Analytical Atomic Specxtrometry **19**, 468.

137. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1998, Astron**. **Astrophys**. **Suppl**. **Series 128, 203 [A 116]**.

2. Bredice, F., Borges, F. O., Sobral, H., Villagran-Muniz, M., Di Roco, H. O., Cristoforetti, G., Legnaioli, S., Palleschi, V., Pardini, L., Salvetti, A., Tognoni, E.: 2006, *Evaluation of self-absorption of manganese emission lines in Laser Induced Breakdown Spectroscopy measurements,* Spectrochimica Acta B **61**, 1294.
3. Djeniže, S., Bukvić, S., Srećković, A., Nikolić, Z.: 2006, *The first measured Mn II and Mn III Stark broadening parameters,* New Astronomy **11**, 257.
4. Bredice, F., Borges, F. O., Sobral, H., Villagran-Muniz, M., Di Roco, H. O., Cristoforetti, G., Legnaioli, S., Palleschi, V., Salvetti, A., Tognoni, E.: 2007, *Measurement of Stark broadening of Mn I and Mn II spec-*

tral lines in plasmas used for Laser-Induced Breakdown Spectroscopy, Spectrochimica Acta B **62**, 1237.

5. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
6. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
7. Manrique, J., Aragón, C., Aguilera, J. A.: 2019, *Experimental Stark widths and shifts of Mn II spectral lines*, Monthly Notices of the Royal Astronomical Society, **482**, 1931.

138. M. S. Dimitrijević, S., Sahal-Bréchot: 1998, Astron. Astrophys. Suppl. Series 128, 359 [A 117].

2. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
3. Šćepanović, M., Purić, J.: 2013, *Regularities of Stark parameters for multiply charged ion spectral lines,* Romanian Reports in Physics, **65**, 1275.

139. M. S. Dimitrijević, S., Sahal-Bréchot: 1998, Astron. Astrophys. Suppl. Series 129, 155 [A 118].

3. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
4. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

140. M. S. Dimitrijević, S. Sahal-Bréchot: 1998, Physica Scripta 58, 61 [A 119].

1. Bukvić, S., Srećković, A., Djeniže, S.: 2004, *Mg II h and k lines Stark parameters*, New Astronomy **9**, 629.
2. Hoffman , J., Szymanski, Z., Azharonok, V.: 2006, *Plasma plume induced during laser welding of magnesium alloys*, International Conference on Research and Applications of Plasmas (PLASMA 2005), September 06-09, 2005 Opole, eds. Sadowski, M. J., Dudeck, M., Hartfuss, H. J., Pawelec, E., AIP Conference Proceedings **812**, 469.
3. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
4. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.

5. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
6. Zhu Yingjie, Kowalski Adam F., Tian Hui, Uitenbroek Han, Carlsson Mats, Allred Joel C.: 2011, *Modeling Mg II h, k and Triplet Lines at Solar Flare Ribbons*, Astrophysical Journal, **879**, 19.
7. Blagojević, B., Djurović, S., Konjević, N.: 2021, *Stark broadening parameters of Ar II and Ar III lines: Comparison of semiclassical calculations,* Journal of Quantitative Spectroscopy and Radiative Transfer, **276**, 107950.

141. **M**. **S**. **Dimitrijević, S., Sahal-Bréchot: 1998, Astron**. **Astrophys**. **Suppl**. **Series 131, 141 [A 121]**.

2. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
3. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

142. **M**. **S**. **Dimitrijević, S., Sahal-Bréchot: 1998, Astron**. **Astrophys**. **Suppl**. **Series 131, 143 [A 122]**.

2. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
3. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
4. Chen, C. S., Man, B. Y., Liu, D., Song, X., Chen, X. J.: 2013, *Investigation of Ti III line broadening in a laser-induced plasma*, Journal of Physics B: Atomic, Molecular, and Optical Physics, **46**, 015701.
5. Dutta, N. N., Roy, S., Deshmukh, P. C.: 2015, *Dynamic polarizabilities and hyperfine-structure constants for* Sc^{2+}, Physical Review A, **92**, 052510.
6. Gao, J. W., Han, X. Y., Wang, J. G., Li, J. M.: 2015, *R-matrix calculations of the photoionization cross-sections of* Ti^{2+}, Monthly Notices of the Royal Astronomical Society, **454**, 315.

143. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 1998, Contrib**. **Astron**. **Obs**. **Skalnate Pleso 27, 353 [3 139]**.

1. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.

144. B. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1999, JQSRT 61, 361 [A 125].

21. Iglesias, C. A.: 2005, *Electron broadening of isolated lines with stationary non-equilibrium level populations*, High Energy Density Physics **1**, 42.
22. Ivković, M., Ben Nessib, N., Konjević, N.: 2005, *Stark broadening of $3s^3P^0 - 3p^3D$ and $3p^3D - 3d^3F^0$ transitions along carbon isoelectronic sequences of ions revisited*, Journal of Physics B **38**, 715.
23. Iglesias, C. A.: 2006, *Emission and Absorption Measurements to Resolve Long-Standing Discrepancies in Spectral Line Broadening*, Spectral Line Shapes, 18th International Conference on Spectral Line Shapes, Auburn, Alabama 4-9 June 2006, eds. E. Oks, M. Pindzola, AIP Conference Proceedings **874,** 3.
24. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2008, *Electron impact broadening of spectral lines in Be-like ions: quantum calculations*, Journal of Physics B **41**, 025702.
25. Elabidi, H., Ben Nessib, N., Sahal-Bréchot, S.: 2008, *Quantum calculations of Stark broadening of Li-like ions; T and Z – scaling,* in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 146.
26. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
27. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions;Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
28. Kunze, H-J: 2009, *Introduction to Plasma Spectroscopy*, Springer Series on Atomic Physics **56**, Springer, Dordrecht.
29. Levina, O. V.: 2010*, Character of Stark Shift of Ionic Lines in Plasma with Strong Interparticle Interaction*, Optics and Spectroscopy **109**, 506.
30. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
31. Elabidi, H., Sahal-Bréchot, S.: 2019*, Stark line widths for N-like ions Na V, Mg VI , Al VII , and Si VIII. Z–scaling*, Monthly Notices of the Royal Astronomical Society, **484**, 1072.
32. Gomez, T. A., Nagayama, T., Fontes, C. J., Kilcrease, D. P., Hansen, S. B., Zammit, M. C., Fursa, D. V., Kadyrov, A. S., Bray, I.: 2020*, Effect of Electron Capture on Spectral Line Broadening in Hot Dense Plasmas*, Physical Review Letters, **124**, 055003.
33. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.

145. **M**. **S**. **Dimitrijević, S., Sahal-Bréchot: 1998, Astron**. **Astrophys**. **Suppl**. **Series 133, 227 [A 126]**.

2. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
3. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

146. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1998, J**. **Appl**. **Spectrosc**. **65, 492 [A 124]**.

1. Sahoo, B. K., Nataraj, H. S., Das, B. P., Chaudhuri, R. K., Mukherjee, D.: 2008, *Theoretical estimation of lifetimes of the lowest metastable states in Sc III and Y III*, Journal of Physics B, **41**, 055702.

147. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1998, Serbian Astronomical Journal, 158, 81[E 56]**.

1. Alonso-Medina, A., Colón, C., Montero, J. L., Nation, L.: 2010, *Stark broadening of PbIV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **401**, 1080.
2. Bukvić, S., Djeniže, S., Nikolić, Z., Srećković, A.: 2011, *Experimental Stark widths in the Pb IV and Pb V spectra,* Astronomy and Astrophysics **529**, A83.

148. **M**. **S**. **Dimitrijević: 1998, Serbian Astronomical Journal, 158, 131[E 59]**.

1. Mijajlović, Ž., Pejović, N.: 2021, *SATURN - A SERBIAN JOURNAl ON ASTRONOMY FROM THE PAST*, Publications of Astronomical Observatory of Belgrade **100**, 301.

149. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, D**. **Tankosić: 1999, Astron**. **Astrophys**. **Suppl**. **Series 139, 617 [A 130]**.

6. Ortiz, M., Mayo, R.: 2005, *Measurement of the Stark broadening of several lines of singly ionized gold*, Journal of Physics B **38**, 3953.
7. Fivet, V., Quinet, P., Biémont, E Xu, H. L.: 2006, *Transition probabilities and lifetimes in gold (Au I and Au II)*, Journal of Physics B **39**, 3587.
8. Mayo, R., Ortiz, M., Parente, F., Santos, J. P.: 2007, *Experimental and theorethical transition probabilities for lines arising from the 6p configurations of Au II*, Journal of Physics B **40**, 4651.
9. Maslov, M., Brunger, M. J., Teubner, P. J. O., Zatsarinny, O., Bartschat, K., Fursa, D., Bray, I., McEachran, R. P.: 2008, *Electron-impact excitation of the* $(5d^{10}6s)^2S_{1/2}$ *-* $(5d^{10}6p)^2P_{1/2,3/2}$ *resonance transitions in gold atoms*, Physical Review A **77**, 062711.
10. Mayo, R., Ortiz, M., Plaza, M.: 2008, *Measured Stark widths of several Ni II spectral lines*, Journal of Physics B **41**, 095702.
11. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.

12. Mayo, R., Ortiz, M.: 2008, *Measurements of some Zn II Stark widths*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 311.
13. Djeniže, S.: 2009, *On the Stark broadening in the Au I and Au II spectra from a helium plasma*, Spectrochimica Acta B **64**, 242.
14. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

150. A. A. Mihajlov, M. S. Dimitrijević, Lj. M. Ignjatović, M. M. Vasiljević: 1999, Astronomical and Astrophysical Transactions 18, 145 [A 131].

1. Mihajlov, A. A., Ignjatović, Lj. M., Djurić, Z., Ljepojević, N. N.: 2004, *The rate coefficients for the processes of (n – n')-mixing in collisions of Rydberg atoms H*(n) with H(1s) atoms*, Journal of Physics B **37**, 4493.
2. Ignjatović, Lj. M., Mihajlov, A. A.: 2005, *Rate coefficient for the chemi-ionization in slow Li*(n) + Li and Na*(n). + Na collisions*, Physical Review A **72**, 022715.
3. Dewangan, D. P.: 2012, *Asymptotic methods for Rydberg transitions*, Physics Reports, **511,** 1-142.

151. M. S. Dimitrijevic, S. Sahal-Bréchot: 1999, Publ. Astron. Obs. Belgrade 65, 55 [3 155].

1. El Sherbini Ashraf M., Abdel-Nasser Aboulfotouh, Farid Rashid, Sami H. Allam, Ahmed M. Al-Kaoud, Ashraf El Dakrouri, Tharwat M. El Sherbini: 2013, *Spectroscopic measurement of Stark broadening parameter of the 636.2 nm Zn I-line,* Natural Science. **5**, 501.
2. El Sherbini Ashraf M., Parigger Christian G.: 2016, *Wavelength dependency and threshold measurements for nanoparticle-enhanced laser-induced breakdown spectroscopy,* Spectrochimica Acta B, **116**, 8.

152. M. S. Dimitrijević, S. Sahal-Bréchot: 1999, Astron. Astrophys. Suppl. Series 140, 193 [A 129].

1. Gornushkin, I. B., Kazakov, A. Ya., Omenetto, N., Smith, B. W., Winefordner, J. D.: 2005, *Experimental verification of a radiative model of laser-induced plasma expanding into vacuum*, Spectrochimica Acta B **60**, 215.
2. Deng, Y. Z., Zheng, H. Y., Murukeshan, V. M., Zhou, W.: 2006, *Analysis of Optical Emission towards Optimisation of Femtosecond Laser Processing*, Journal of Laser Micro Nanoengineering, **1**, 136.
3. Shaikh, N. M., Rashid, B., Hafeez, S., Jamil, Y., Baig, M. A.: 2006, *Measurement of electron density and temperature of a laser-induced zinc plasma*, Journal of Physics D, Applied Physics **39**, 1384.
4. Shaikh, N. M., Hafeez, S., Baig, M. A.: 2007, *Comparison of zinc and cadmium plasma produced by laser ablation,* Spectrochimica Acta B, **62**, 1311.
5. Shaikh, N. M., Hafeez, S., Kalyar, M. A., Ali, R., Baig, M. A.: 2008, *Spectroscopic characterization of laser ablation brass plasma,* Journal of Applied Physics B, **104**, 103108.

6. Gojani, Ardijan B.: 2012, *Experimental Study of Laser-Induced Brass and Copper Plasma for Spectroscopic Applications,* International Scholarly Research Network ISRN Spectroscopy, Volume 2012, Article ID 868561.
7. Patel, D. N., Pandey, P. K., Thareja, R. K.: 2012, *Stoichiometric investigations of laser-ablated brass plasma,* Applied Optics, **51**, B192.
8. Sanz, M., Lopez-Arias, M., Rebollar, E., de Nalda, R., Castillejo, M.: 2012, *Laser ablation and deposition of wide bandgap semiconductors: plasma and nanostructure of deposits diagnosis,* Journal of Nanoparticle Research, **13**, 6621.
9. Diwakar, P. K., Harilal, S. S., Freeman, J. R., Hassanein, A.: 2013, *Role of laser pre-pulse wavelength and inter-pulse delay on signal enhancement in collinear double-pulse laser-induced breakdown spectroscopy,* Spectrochimica Acta B, Physics of Plasmas, **87**, 65.
10. Freeman, J. R., Harilal, S. S., Diwakar, P. K., Verhoff, B., Hassanein, A.: 2013, *Comparison of optical emission from nanosecond and femtosecond laser produced plasma in atmosphere and vacuum conditions,* Spectrochimica Acta B, Physics of Plasmas, **87**, 43.
11. Gupta, Shyam L., Pandey, P. K., Thareja, Raj K.: 2013, *Dynamics of laser ablated colliding plumes,* Physics of Plasmas, **20**, 013511.
12. Gupta, Shyam L., Thareja, Raj K.: 2013, *Photoluminescence of nanoparticles in vapor phase of colliding plasma,* Journal of Applied Physics, **113**, 143308.
13. Patel, D. N., Pandey, Pramod K., Thareja, Raj K.: 2013, *Brass plasmoid in external magnetic field at different air pressures,* Physics of Plasmas, **20**, 103503.
14. Smijesh, N., Philip, Reji: 2013, *Emission dynamics of an expanding ultrafast-laser produced Zn plasma under different ambient pressures,* Journal of Applied Physics, **114**, 093301.
15. Diwakar, P. K., Harilal, S. S., Phillips, M. C., Hassanein, A.: 2015, *Characterization of ultrafast laser-ablation plasma plumes at various Ar ambient pressures,* Journal of Applied Physics, **118**, 043305.
16. Harilal, S. S., Yeak, J., Phillips, M. C.: 2015, *Plasma temperature clamping in filamentation laser induced breakdown spectroscopy*, Optics Express, **23**, 27113.
17. Takahashi Tomoko, Thornton Blair, Ohki Koichi, Sakka Tetsuo: 2015, *Calibration-free analysis of immersed brass alloys using long-ns-duration pulse laser-induced breakdown spectroscopy with and without correction for nonstoichiometric ablation,* Spectrochimica Acta B, **111**, 8.
18. Becker, J. R., Skrodzki, P.J., Diwakar, P. K., Hassanein, A.: 2016, *Double-pulse neodymium YAG/Carbon dioxide laser-induced breakdown spectroscopy for excitation of bulk and trace analytes*, Spectroscopy Letters **49**, 276.

19. Harilal, S. S., Yeak, J., Brumfield, B. E., Phillips, M. C.: 2016, *Consequences of femtosecond laser filament generation conditions in standoff laser induced breakdown spectroscopy*, Optics Express **24**, 17941.
20. Rao Kavya H., Smijesh, N., Nivas Jijil J. J., Reji Philip: 2016, *Ultrafast laser produced zinc plasma: Stark broadening of emission lines in nitrogen ambient*, Physics of Plasmas **23**, 043503.
21. Smijesh, N., Rao, Kavya H., Philip Reji: 2016, *Influemce of pulse width on the laser ablation of zinc in nitrogen ambient,* Applied Physics A, **122**, 460.
22. Kaur Mandeep, Jain Arvind K., Mohan Harsh, Singh Parjit S., Sharma Sunita: 2017, *Investigation of Scattering Cross Sections for Electrons Colliding with Silver Atom,* International Journal of Pure and Applied Physics, **13**, 75.
23. Rastogi Vinay, Chaurasia, S., Munda, D. S.: 2017, *Laser induced damage studies in borosilicate glass using nanosecond and sub nanosecond pulses*, Journal of Non-Crystalline Solidsy, **463**, 138.
24. Farooq Zahid, Ali Raheel, Saeed Qurashi Umar, Mahmood Mian H. R., Yaseen Muhammad, Abdul Qayyum Muhammad, Nasir Hussain Muhammad, Mujtaba Shah Sayed, Jan Taiq: 2018, *Spectroscopic studies of laser produced plasma of doped nano-structured material by laser induced breakdown spectroscopy,* Physics of Plasmas **25**, 093106.
25. Rehan, I., Khan, M. A., Muhammad, R., Khan, M. Z., Hafeez, A., Nadeem, A., Reh, K.: 2018, *Operational and Spectral Characteristics of a Sr–Ne Glow Discharge Plasma,* Arabian Journal for Science and Engineering, https://doi.org/10.1007/s13369-018-3439-0.
26. Harse Sattar, Liying Sun, Muhammad Imran, Ran Hai, Ding Wu, Hongbin Ding: 2019, *Effect of parameter setting and spectral normalization approach on study of matrix effect by laser induced breakdown spectroscopy of Ag–Zn binary composites*, Plasma Science and Technology, **21**, 034019.
27. Kaur, M., Kaur, G., Jain, A. K., Mohan, H., Singh, P. S., Sharma, S.: 2020, *Identification of characteristic features in scattering cross sections for the electrons colliding with silver, platinum, and gold atoms*, Nuclear Instruments and Methods in Physics Research B, **462**, 38.
28. Hassan, R., Nure Alam Abdullah, M., Shorifuddoza, M., Khandker Mahmudul H., Patoary M. Atiqur R., Haque, M. M., Das Pretam K., Maaza, M., Masum Billah, M., Haque, A. K. F., Alfaz Uddin, M.: 2021, *Scattering of e± off silver atom over the energy range 1 eV–1 MeV*, European Physical Journal D, **75**, 204.

153. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1999, Astron**. **Astrophys**. **Suppl**. **Series 140, 191 [A 128]**.

1. Milisavljević, S., Šević, D., Pejčev, V., Filipović, D. M., Marinković, B. P.: 2004, *Differential and integrated cross sections for the electron excitation of the 4^1P^o state of calcium atom,* Journal of Physics B **37**, 3571.

2. Kawka, A., Vennes, S.: 2012, *VLT/X-shooter observations and the chemical composition of cool white dwarfs,* Astronomy and Astrophysics, **538**, A13.
3. Tapalaga, I., Dojčinović, I. P., Milosavljević, M. K., Purić, J.: 2012, *Stark Width Regularities within Neutral Calcium Spectral Series*, Publications of the Astronomical Society of Australia, **29**, 20.
4. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
5. Burger, M., Hermann, J.: 2016, *Stark broadening measurements in plasmas produced by laser ablation of hydrogen containing compounds*, Spectrochimica Acta B, **122**, 118.

154. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, T**. **Ryabchikova: 1999, Astron**. **Astrophys**. **350, 719 [A 127]**.

1. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.
2. Gray, D. F.: 2005, *The Observation and Analysis of Stellar Photospheres,* Third edition, Cambridge University Press, Cambridge.
4. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
5. Elabidi, H., S.Sahal-Bréchot, S.: 2011, *Checking the dependence on the upper level ionization potential of electron impact widths using quantum calculations,* European Physical Journal D, **61**, 285.
6. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.
7. Gajo, T., Mijatović, Z., Savić, I., Djurović, S., Kobilarov, R.: 2013, *Stark widths and shifts of Ar II spectral lines in visible part of spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **127**, 119.
8. de Andrés-García, I., Colón, C., Fernández-Martínez, F.: 2018, *Stark broadening parameters and transition probabilities of persistent lines of Tl II*, Monthly Notices of the Royal Astronomical Society **476**, 793.
9. Elabidi, Haykel, Sahal-Bréchot, Sylvie: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
10. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
11. Tian Yanshan, Wang Xinghao, Liu Chunqing, Yu Qi, Dai Zhenwen: 2019, *Measurements of radiative lifetimes, branching fractions, transition probabilities, and oscillator strengths for Eu II and Eu III levels,* Monthly Notices of the Royal Astronomical Society, **485**, 4485.

12. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.
13. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.

155. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1999, Serbian Astronomical Journal 160, 15 [E 65]**.

1. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
2. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
3. Uzuriaga, J., Chamorro, J. C., Marín, R. A., Riascos, H.: 2012, *Optical emission spectra of ZnMnO plasma produced by a pulsed laser,* Journal of Physics: Conference Series **370**, 012056.
4. Elabidi, Haykel, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
5. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie.: 2019, *Quantum Stark broadening data for Ar VIII and Ar IX lines,* Monthly Notices of the Royal Astronomical Society, **484**, 4801.
6. Elabidi Haykel: 2020, *Quantum Mechanical Stark Broadening for Na VII and Na VIII lines,* Journal of Umm Al-Qura University for Applied Science, **6**, 25.

156. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, D**. **Tankosić: 1999, Serbian Astronomical Journal 159, 59 [E 62]**.

1. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

157. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1999, Journal of Applied Spectroscopy, 66, 868 [A 133]**.

1. Alonso-Medina, A., Colón, C., Montero, J. L., Nation, L.: 2010, *Stark broadening of PbIV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **401**, 1080.
2. Bukvić, S., Djeniže, S., Nikolić, Z., Srećković, A.: 2011, *Experimental Stark widths in the Pb IV and Pb V spectra,* Astronomy and Astrophysics **529**, A83.

158. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1999, Serbian Astron**. **J**. **160, 21 [E 66]**.

1. Rezaei, F., Karimi, P., Tavassoli, S. H.: 2014, *Effect of self-absorption correction on LIBS measurements by calibration curve and artificial neural network,* Applied Physics B, **114,** 591.

159. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 1999, Serbian Astron**. **J**. **160, 35 [E 67]**.

1. Iqbal, J., Asghar, H., Shah, S. K. H., Naeem, M., Abbasi, S. A., Ali, R.: 2020, *Elemental analysis of sage (herb) using calibration-free laser-induced breakdown spectroscopy,* Applied Optics, **59,** 4927.

160. **V**. **Milosavljević, S**. **Djeniže, M**. **S**. **Dimitrijević, L**. **Č**. **Popović: 2000, Phys**. **Rev**. **E 62, 4137 [A 137]**.

12. Milosavljević, V., Djeniže, S.: 2003, *Astrophysical plasma diagnostics through analysis of Ar I line shape characteristics*, Astronomy and Astrophysics **405**, 397.
13. Milosavljević, V., Djeniže, S.: 2003, *Plasma diagnostics through analysis of two Ar I line shape characteristics,* BPU-5, Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjačka Banja, Serbia and Montenegro, 1137.
14. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
15. Lesage, A., Fuhr, J. R.: 2004, *Stark broadening parameters*. *Experimental and theoretical*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 137.
16. Milosavljević, V.: 2004, *Plasma diagnostics through analysis of Ne I line shape characteristics*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 340.
17. Milosavljević, V., Žigman, V., Djeniže, S.: 2004, *Stark width and shift of the neutral argon 425.9 nm spectral line*, Spectrochimica Acta B **59**, 1423.
18. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
19. Milosavljević, V., Djeniže: 2005, *Experimental total Stark shifts in the Ar I spectrum*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 231.
20. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
21. Ivković, M., Žikić, R., Jovićević, S., Konjević, N.: 2006, *On simultaneous determination of electron impact width, ion-broadening and ion-dy-*

namic parameter from the shape of plasma broadened non-hydrogenic atom line, Journal of Physics B **39**, 1773.

22. Milosavljević, V., Karkari, S. K., Ellingboe, A. R.: 2007, *Characterization of the pulse plasma source,* Plasma Sources Science and Technology **16**, 304.
23. del Val, J. A., Peláez, R. J., Mar, S., Rodriguez, F., Gonzalez, V. R., Gonzalo, A. B., del Castro, A., Aparicio, J. A.: 2008, *Stark widths, shifts, and regulariries for Kr II visible spectral lines,* Physical Review A **77**, 012501.
24. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2008, *Stark widths and shifts of Kr II uv spectral lines*, Physical Review A **78**, 042507.
25. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
26. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2010, *Measured Stark shifts of some Kr III UV lines*, Publ. Astron. Obs. Belgrade **89**, 185.
27. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2010, *Stark shift measurements for some Kr III UV lines*, Journal of Research in Physics **34**, 33.
28. Djurović, S., Peláez, R. J., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Kr III Stark halfwidths measured in pulsed arc plasma* , Publ. Astron. Obs. Belgrade **89**, 193.
29. Levina, O. V.: 2010*, Character of Stark Shift of Ionic Lines in Plasma with Strong Interparticle Interaction*, Optics and Spectroscopy **109**, 506.
30. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
31. Ćirišan, M., Peláez, R. J., Djurović, S., Aparicio, J. A., Mar, S.: 2011, *Stark broadening of Kr UV spectral lines*, Physical Review A **83**, 012513.
32. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

161. **L**. **Č**. **Popović, M**.**S**. **Dimitrijević, N**. **Milovanović: 2000, Atomic and Molecular Data for Astrophysics: New Developments, Case Studies and Future Needs, 24th meeting of the IAU, Joint Discussion 1(Abstract book 136) [JI 113]**.

1. Mendoza, C., Nuñez, L. A.: 2008, *Virtual Atomic and Molecular Data Centre,* Proceedings of the First EELA-2 Conference, eds. B. Marechal et al., CIEMAT 2008.

162. **N**. **Milovanović, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2000, Baltic Astronomy 9, 595 [A 140]**.

1. Yushchenko, A., Gopka, V., Kim, C., Khokhlova, V., Shavrina, A., Musaev, Faig, Glazutdinov, G., Pavlenko, Y, Mishenina, T., Polosukhina, N.,

North, P.: 2002, *Chemical abundance patterns for sharp-lined stars,* Journal of the Korean Astronomical Society **35**, 209.

2. Malkov, O., Dluzhnevskaya, O., Kilpio, E., Kilpio, A., Kovaleva, D.: 2004, *Information Hub of the Russian Virtual Observatory,* in : Toward an International Virtual Observatory, Proceedings of the ESO/ESA/NASA/NSF Conference Held at Garching, Geermany, 10-14 June 2002, eds. P. J. Quin, K. M. Gorski, Springer, Berlin, Heidelberg, New York, 37.

163. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2000, Physica Scripta 61, 319 [A 135]**.

1. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
2. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
3. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
4. Trklja Boca Nora, Dojčinović Ivan P., Tapalaga Irinel, Purić Jagoš.: 2020, *Stark broadening of spectral lines within copper like emitters***,** Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 205-208.

164. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2000, Physica Scripta 61, 192 [A 134]**.

1. Irimia, A.: 2007, *Forbidden Transition Probabilities of Astrophysical Interest among Low-lying States of V III*, Journal of Astrophysics and Astronomy, **27**, 158.
2. Isidoro-García, L., de Andrés-García, I., Moreno-Conde, D., Colón, C.: 2022, *Theoretical lifetimes and Stark broadening parameters for visible-infrared spectral lines of V I in Arcturus*, Monthly Notices of the Royal Astronomical Society, **509**, 4538.

165. **M**. **S**. **Dimitrijević, D**. **Tankosić: 2000, Physica Scripta 62,177 [A 136]**.

1. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2009, *Irregularities of Stark parameters of Xe II spectral lines*, Journal of Physics B **42**, 125002.

166. **V**. **Trajkovska, M**. **S**. **Dimitrijević: 2000, Serbian Astron**. **J**. **162, 135 [E 80]**.

1. Trajkovska, V., Protitch-Benishek, V., Sadžakov, S.: 2008, *Large meridian circle of the Belgrade observatory: Four decades of activity and*

existence, Publications of the Astronomical Observatory of Belgrade, **85,** 187.

167. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2000, Serb**. **Astron**. **J**. **161, 39 [E 76]**.

1. Boswell, C. J., O'Connor, P. D.: 2009, *Charged particle motion in an explosively generated ionizing schock*, in "Shock compression of condensed matter", Eds. Elert, M. L., Buttler, W. T., Furnish, M. D., Anderson, W. W., Proud, W. G., American Institute of Physics Conference Series **1195**, 400.
2. Tapalaga, I., Dojčinović, I. P., Milosavljević, M. K., Purić, J.: 2012, *Stark Width Regularities within Neutral Calcium Spectral Series*, Publications of the Astronomical Society of Australia, 29, 20.
3. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.
4. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
5. Burger, M., Hermann, J.: 2016, *Stark broadening measurements in plasmas produced by laser ablation of hydrogen containing compounds*, Spectrochimica Acta B, **122**, 118.
6. Gornushkin, I. B., Völker, T., Kazakov, A. Ya.: 2018, *Extension and investigation by numerical simulations of algorithm for calibration-free laser induced breakdown spectroscopy*, Spectrochimica Acta B, **147**, 149.
7. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
8. Trklja Nora, Tapalaga Irinel, Dojčinović Ivan P., Purić Jagoš: 2018, *Stark widths regularities within spectral series of sodium isoelectronic sequence*, New Astronomy, **59**, 54.
9. Aldakheel, R. K., Gondal, M. A., Nasr, M. M., Dastageer, M. A., Almessiere, M. A.: 2021, *Quantitative elemental analysis of nutritional, azardous and pharmacologically active elements in medicinal Rhatany root using laser induced breakdown spectroscopy*, Arabian Journal of Chemistry, **14**, 102919.

168. **Milan S**. **Dimitrijević: 2000, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds**. **M**. **S**. **Dimitrijević, L**. **Č**. **Popović, M**. **Tsvetkov, Publ**. **Astron**. **Obs**. **Belgrade 67, 39 [3 160]**.

1. Arbutina, B.: 2021, *The first yugoslav National committee for astronomy*, Publications of Astronomical Observatory of Belgrade **100**, 185.

169. **A**. **Srećković, M**. **S**. **Dimitrijević, S**. **Djeniže: 2001, Astron**. **Astrophys**. **371, 354 [A 145]**.

6. Milosavljević, V., Djeniže, S.: 2004, *Stark width and shift of the neutral argon 425.9 nm spectral line*, Spectrochimica Acta B **59**, 1423.

7. Bukvić, S., Srećković, A., Djeniže, S.: 2004, *Mg II h and k lines Stark parameters*, New Astronomy **9**, 629.
8. Bukvić, S., Srećković, A., Djeniže, S.: 2004, *Experimental Stark widths and shifts in the $3p^3D - 3d^3F^o$ O III transition*, Zeitschrift für Naturforschung **59a**, 791.
9. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
10. Srećković, A., Bukvić, S., Djeniže, S.: 2005, *Measured Stark Widths in the O III Spectrum*, Physica Scripta **71**, 218.
11. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
12. Camacho, J. J., Santos, M., Diaz, L., Poyato, J. M. L.: 2008, *Optical emission spectroscopy of oxygen plasma induced by IR CO_2 pulsed laser,* Journal of Physics D **41**, 215206.
13. Lesage, A.: 2008*, Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
14. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
15. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

170. **V**. **Milosavljević, M**. **S**. **Dimitrijević, S**. **Djeniže: 2001, Astrophys**. **J**. **Suppl., 135, 115 [A 146]**.

8. Milosavljević, V., Djeniže, S.: 2003, *Astrophysical plasma diagnostics through analysis of Ar I line shape characteristics*, Astronomy and Astrophysics **405**, 397.
9. Milosavljević, V., Djeniže, S.: 2003, *Plasma diagnostics through analysis of two Ar I line shape characteristics,* BPU-5, Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjačka Banja, Serbia and Montenegro, 1137.
10. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
11. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Bowen fluorescence, Stark broadening, and Transition probabilities in the O III Spectrum*, Astrophysical Journal Supplement Series **151**, 399.

12. Milosavljević, V.: 2004, *Plasma diagnostics through analysis of Ne I line shape characteristics*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 340.
13. Milosavljević, V., Žigman, V., Djeniže, S.: 2004, *Stark width and shift of the neutral argon 425.9 nm spectral line*, Spectrochimica Acta B **59**, 1423.
14. Jovićević, S., Ivković, M., Zikić, R., Konjević, N.: 2005, *On the Stark broadening of Ne I lines and quasi-static versus ion impact approximation,* Journal of Physics B: Atomic, Molecular and Optical Physics **38**, 1249.
15. Konjević, N., Fuhr, J. R., Lesage, A., Wiese, W. L.: 2005, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms; A Critical Review of Selected Data for the Period 1989 Through 2000 (Updated 2005 version)*, l'Observatoire de Paris.
16. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
17. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
18. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
19. Lesage, A.: 2008*, Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
20. Peláez, R. J., Djurović, S., Ćirišan, M., Rodriguez, F., Aparicio, J. A., Mar, S.: 2008, *Ne II Stark width and shift regularitiess*, Astrophysical Journal **687**, 1423.
21. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
22. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
23. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.

24. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Stark halfwidth trends along the homologous sequence of singly ionized noble gases*, Astronomy and Astrophysics **518**, A60.
25. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.
26. Elabidi, H., Sahal-Bréchot, S.: 2019*, Stark line widths for N-like ions Na V, Mg VI , Al VII , and Si VIII. Z–scaling*, Monthly Notices of the Royal Astronomical Society, **484**, 1072.

171. L. Č. Popović, E. G. Mediavilla, J. Munoz, M. S. Dimitrijević, P. Jovanović: 2001, Serb. Astron. J. 164, 53 [E 82].

3. Jovanović, P., Popović, L. Č.: 2004, *Amplification of the Fe Kα spectral line and the X-ray continuum due to microlensing*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade, 537.
4. Zakharov, A. F., Popović, L. Č., Jovanović, P.: 2004, *On the contribution of microlensing to X-ray variability of high-redshifted QSOs*, Astronomy and Astrophysics **420**, 881.
5. Zakharov, A. F., Popović, L. Č., Jovanović, P.: 2004, *Contribution of microlensing to X-ray variability of distant QSOs*, Gravitational Lensing Impact on Cosmology, IAU Symposium **225**, eds. Yannick Mellier, Georges Meylan, Cambridge University Press, 363.
6. Jovanović, P.: 2005, *Microlensing effect on Fe Kα line and X-ray continuum in the case of three gravitationally lensed quasars: MG J0414+0534, QSO 2237+0305 AND H1413+117,* Memorie della Societa Astronomica Italiana Supplementi **7**, 56.
7. Jovanović, P., Popović, L. Č.: 2005, *How microlensing can contribute to QSO variability?*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 195.
8. Popović, L. Č., Chartas, G.: 2005, *The influence of gravitational lensing on the spectra of lensed quasi-stellar objects*, Monthly Notices of the Royal Astronomical Society, **357**, 135.
9. Jovanović, P.: 2006, *Influence of Gravitational Microlensing on X-Ray Radiation from Accretion Disks of Active Galaxies,* Publications of the Astronomical Society of the Pacific **118**, 656.
10. Popović, L. Č.: 2006, *The broad line region of AGN: Kinematics and Physics,* Serbian Astronomical Journal **173**, 1.
11. Popović, L. Č., Jovanović, P., Mediavilla, E., Zakharov, A. F., Abajas, C., Munoz, J. A., Chartas, G.: 2006, *A study of the correlation between the*

amplification of the Fe Kα line and the X-ray continuum of quasars due to microlensing, Astrophysical Journal **637**, 620.

12. Popović, L. Č., Jovanović, P., Petrović, T., Shalyapin, V. N.: 2006, *Amplification and variability of the AGN X-ray emission due to microlensing*, Astronomische Nachrichten **327**, 981.
13. Jovanović, P., Zakharov, A. F., Popović, L. Č., Petrović, T.: 2008, *Microlensing of the X-ray, UV and optical emission regions of quasars: simulations of the time-scales and amplitude variations of microlensing events*, Monthly Notices of the Royal Astronomical Society **386**, 397.
14. Jovanović, P., Popović, L. Č., Simić, S.: 2009*, Influence of gravitational microlensing on broad absorption lines of QSOs:The case of the Fe Ka line,* New Astronomy Review, **53,** 156.
15. Jovanović, P.: 2012*, The broad Fe Kα line and supermassive black holes,* New Astronomy Review, **56,** 37.
16. Jovanović, P.: 2012*, Investigation of Some Galactic and Extragalactic Gravitational Phenomena*, Serbian Astronomical Journal, **185,** 1.

172. **L**. **Č**. **Popović, E**. **G**. **Mediavilla, J**. **Munoz, M**. **S**. **Dimitrijević, P**. **Jovanović, 2001, GLITP Workshop on Gravitational Lens Monitoring, 4-6 June 2001, La Laguna, Tenerife, Spain (није публиковано)**.

3. Jovanović, P., Popović, L. Č.: 2004, *Amplification of the Fe Kα spectral line and the X-ray continuum due to microlensing*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade, 537.
4. Zakharov, A. F., Popović, L. Č., Jovanović, P.: 2004, *On the contribution of microlensing to X-ray variability of high-redshifted QSOs*, Astronomy and Astrophysics **420**, 881.
5. Jovanović, P., Popović, L. Č.: 2005, *How microlensing can contribute to QSO variability?*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 195.

173. **L**. **Č**. **Popović, S**. **Simić, N**. **Milovanović, M**. **S**. **Dimitrijević: 2001, Astrophys**. **J**. **Suppl**. **Series 135, 109 [A 148]**.

1. Martin, J. C.: 2003, *The origins and evolutionary status of B stars found far from the galactic plane*, PhD Thesis, Case Western Reserve University.
2. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
3. Gray, D. F.: 2005, *The Observation and Analysis of Stellar Photospheres,* Third edition, Cambridge University Press, Cambridge.
4. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

5. Saffe, C., Levato, H.: 2014, *On the nature of sn stars. I. A detailed abundance study,* Astronomy and Astrophysics, **562**, A128.
6. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.

174. D. Tankosić, L. Č. Popović, M. S. Dimitrijević: 2001, in Spectral Line Shapes, 11, ed. J. Seidel, American Institute of Physics Conference Proceedings 559, 160. [Д 43].
1. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.

175. M. S. Dimitrijević, L. Č. Popović, N. Milovanović: 2001, in Spectral Line Shaspes, 11, ed. J. Seidel, American Institute of Physics Conference Proceedings 559, 208. [Д 45].
1. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
2. Djeniže, S., Srećković, A., Bukvić, S.: 2005, *The first measured Ag I, Ag II and Ag III Stark broadening parameters*, Spectrochimica Acta B **60**, 1552.
3. Mayo, R., Ortiz, M., Campos, J.: 2005, *Experimental transition probabilities for lines arising from the 4d5p and 4d5d configurations of Zr III,* Journal of Quantitative Spectroscopy and Radiative Transfer **94**, 109.

176. L. Č. Popović, N. Milovanović, M. S. Dimitrijević: 2001, Astron. Astrophys. 365, 656 [A 144].
1. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2004, *Semi-Classical Calculations of Stark Broadening Impact Theory of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **70**, 142.
2. Mahmoudi, W. F., Ben Nessib, N., Sahal-Bréchot, S.: 2005, *Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines*, Physica Scripta, **71**, 190.
3. Mayo, R., Ortiz, M., Campos, J.: 2005, *Experimental transition probabilities for lines arising from the 4d5p and 4d5d configurations of ZrIII*, Journal of Quantitative Spectroscopy and Radiative Transfer **94**, 109.
4. Mahmoudi, W. F.: 2010*, Contribution à l'étude semi-classique et semi-empirique de l'élargissement des raies spectrales dans un plasma. Applications aux ions CII, NII et OII,* Thèse de Docteur en Physique, Université de Tunis, El Manar, Faculté des Sciences de Tunis.
5. Gaft, M., Nagli, L., Gornushkin, I.: 2013, *Laser-induced breakdown spectroscopy of Zr in short ultraviolet wavelength range*, Spectrochimica Acta B, **85**, 93.
6. Hanif, M., Salik, M.: 2015, *Optical emission characterization of laser ablated zirconium plasma*, Optics and Spectroscopy, **118**, 631.

7. Matsumoto Ayumu, Ohba Hironori, Toshimitsu Masaaki, Akaoka Katsuaki, Ruas Alexandre, Sakka Tetsuo, Wakaida Ikuo: 2018, *Fiber-optic laser--induced breakdown spectroscopy of zirconium metal in air: Special features of the plasma produced by a long-pulse laser*, Spectrochimica Acta B, **142**, 37.
8. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 2019, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
9. Wainwright Elliot R., De Lucia Frank, Weihs Timothy P., Gottfried Jennifer L.: 2021, *Spatiotemporal and emission characteristics of laser-induced plasmas from aluminum-zirconium composite powders*, Spectrochimica Acta Part B: Atomic Spectroscopy, **183**, 106270.

177. **M**. **S**. **Dimitrijević, L**. **Č**. **Popović: 2001, J**. **Appl**. **Spectroscopy, 68, 893 [B 1]**.

1. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.
2. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.

178. **D**. **Tankosić, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2001, Atomic Data and Nuclear Data Tables 77, 277 [A 147]**

1. Levina, O. V.: 2010*, Character of Stark Shift of Ionic Lines in Plasma with Strong Interparticle Interaction*, Optics and Spectroscopy **109**, 506.
2. Liu Yue-Hua, Liu Xiang-Dong, Chen Ming, Zhao Ming-Wen.: 2012, *Laser ablation of Ti-Al alloy in vacuum and air environments*, Advanced Materials and Process Technology, 2nd International Conference on Advanced Design and Manufacturing Engineering (ADME 2012), Taiyuan, Peoples R. China, Aug. 16-18, 2012, eds. Liu, X. H., Bai, Z. H., Shauang, Y. H. et al., Applied Mechanics and Materials, **217-219**, 2257.
3. Dubernet, M.-L., Alexander, M. H., Ba, Y. A., Balakrishnan, N., Balança, C., Ceccarelli, C., Cernicharo, J., Daniel, F., Dayou, F., Doronin, M., Dumouchel, F., Faure, A., Feautrier, N., Flower, D. R., Grosjean, A., Halvick, P., Kłos, J., Lique, F., McBane, G. C., Marinakis, S., Moreau, N., Moszynski, R., Neufeld, D. A., Roueff, E., Schilke, P., Spielfiedel, A., Stancil, P. C., Stoecklin, T., Tennyson, J., Yang, B., Vasserot, A.-M., Wiesenfeld, L.: 2013, *BASECOL2012: A collisional database repository and web service within the Virtual Atomic and Molecular Data Centre (VAMDC)*, Astronomy and Astrophysics, **553**, A50.
4. Chen, C. S., Man, B. Y., Liu, D., Song, X., Chen, X. J.: 2013, *Investigation of Ti III line broadening in a laser-induced plasma*, Journal of Physics B: Atomic, Molecular, and Optical Physics, **46**, 015701.

5. Diaz, L., Camacho, J. J., Sanz, M., Hernández, M., Jandova, V., Castillejo, M.: 2013, *Temporal evolution study of the plasma induced by CO2 pulsed laser on targets of titanium oxides*, Spectrochimica Acta B, **86**, 88.
6. Liu Yue-Hua, Chen Ming, Liu Xiang-Dong, Cui Qing-Qiang, Zhao Ming-Wen.: 2013, *The mechanism of effect of lens-to-sample distance on laser-induced plasma*, Acta Physica Sinica, **62**, 025203.
7. Dong Liu, Chuansong Chen, Xun Gao, Jingquan Lin, Baoyuan Man, Yanna Sun, Feifei Li: 2016, *Effect of ambient pressure on a femtosecond laser induced titanium plasma*, European Physical Journal D, **70**, 245.
8. Manrique, J., Aguilera, J. A., Aragón, C.: 2016, *Experimental Stark widths and shifts of Ti II spectral lines*, Monthly Notices of Royal Astronomical Society, **462**, 1501.
9. Pandey Pramod K., Thareja Raj K., Costello John T.: 2016, *Heterogeneous (Cu-Ti) colliding plasma dynamics*, Physics of Plasmas, **23**, 103516.
10. Escalona, M., Bhuyan, H., Valenzuela, J. C., Ibacache, S., Wyndham, E., Favre, M., Veloso, F., Ruiz, H. M., Wagenaars, E.: 2021, *Comparative study on the dynamics and the composition between a pulsed laser deposition (PLD) and a plasma enhanced PLD (PE-PLD)*, Results in Physics, **24**, 104066.

179. **M**. **S**. **Dimitrijević: 2001, Serb**. **Astron**. **J**. **164, 57 [E 83]**.

1. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2012, *Stark halfwidth trends along the homologous sequence of doubly ionized noble gases*, Astronomy and Astrophysics, **539**, A40.

180. **S**. **Djeniže, V**. **Milosavljević, M**. **S**. **Dimitrijević: 2002, Astron**. **Astrophys**. **382, 359 [A 150]**.

14. Milosavljević, V., Djeniže, S.: 2003, *Astrophysical plasma diagnostics through analysis of Ar I line shape characteristics*, Astronomy and Astrophysics **405**, 397.
15. Milosavljević, V., Djeniže, S.: 2003, *Plasma diagnostics through analysis of two Ar I line shape characteristics,* BPU-5, Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjačka Banja, Serbia and Montenegro, 1137.
16. Stehle, C., Peach, G.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Line Broadening*, Reports on Astronomy, **XXVA**, International Astronomical Union, 402.
17. Wiese, W. L.: 2003, *The Expanding NIST Atomic Spectra Database*, Physica Scripta, **T105**, 85.
18. Wiese, W. L., Fuhr, J. R.: 2003, *Commission 14: Atomic and Molecular Data, Working group on Atomic Transition Probabilities*, Reports on Astronomy, **XXVA**, International Astronomical Union, 385.
19. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Stark broadening and transition probability ratios in the Mg I spectrum*, Astronomy and Astrophysics, **425**, 361.

20. Froese Fischer, C., Tachiev, G.: 2004, *Breit-Pauli energy levels, lifetimes, and transition probabilities for the beryllium-like to neon-like sequences*, Atomic Data and Nuclear Data Tables **87**, 1.
21. Milosavljević, V.: 2004, *Plasma diagnostics through analysis of Ne I line shape characteristics*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 340.
22. Milosavljević, V., Žigman, V., Djeniže, S.: 2004, *Stark width and shift of the neutral argon 425.9 nm spectral line*, Spectrochimica Acta B **59**, 1423.
23. Konjević, N., Fuhr, J. R., Lesage, A., Wiese, W. L.: 2005, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms; A Critical Review of Selected Data for the Period 1989 Through 2000 (Updated 2005 version)*, l'Observatoire de Paris.
24. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
25. Milosavljević, V., Djeniže: 2005, *Experimental total Stark shifts in the Ar I spectrum*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 231.
26. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochemica Acta B **61**, 81.
27. Bridges, J. M., Wiese, W. L.: 2007, *Experimental study of weak intersystem lines and related strong persistent lines of Ne II*, Physical Review A **76**, 022513.
28. Öberg, K. J.: 2007, *Isotope shifts and accurate wavelengths in Ne II and Ne III*, European Physical Journal D **41**, 25.
29. Peláez, R. J., Djurović, S., Ćirišan, M., Rodriguez, F., Aparicio, J. A., Mar, S.: 2008, *Ne II Stark width and shift regularitiess*, Astrophysical Journal **687**, 1423.
30. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
31. Peláez, R. J., Djurović, S., Ćirišan, M., Aparicio, J. A., Mar, S.: 2010, *Regularities and irregularities of the Stark broadening parameters for singly ionized noble gases*, Journal of Physics Conference Series **257**, 012021.
32. Santos, J. P., Costa, A. M., Madruga, C., Parente, F., Indelicato, P.: 2011, *Relativistic transition wavelenghts and probabilities for spectral lines of Ne II*, European Physical Journal D **63**, 89.

181. S. Djeniže, M. S. Dimitrijević, A. Srećković, S. Bukvić: 2002, Astron. Astrophys. 396, 331 [A 153].

3. Bukvić, S., Srećković, A.: 2004, *Stark parameters of two Ar III spectral lines in the $4s^5S^0 - 4p^5P$ transition*, 22nd Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2004, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, ed. Ljupčo Hadžievski, Vinča Institute of Nuclear Sciences Belgrade, Serbia and Montenegro, Belgrade, 305.
4. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Stark broadening and transition probability ratios in the Mg I spectrum*, Astronomy and Astrophysics, **425**, 361.
5. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Bowen fluorescence, Stark broadening, and Transition probabilities in the O III Spectrum*, Astrophysical Journal Supplement Series **151**, 399.
6. Milosavljević, V., Djeniže: 2005, *Experimental total Stark shifts in the Ar I spectrum*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 231.
7. Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 341.
8. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
9. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
10. Iorga, C., Stancalie, V.: 2018, *The study of the core-valence and core-core correlation effects on the radiative properties along the magnesium isoelectronic sequence*, Atomic Data and Nuclear Data Tables, **123**, 313.

182. M. S. Dimitrijević, Lj. Skuljan, S. Djeniže: 2002, Physica Scripta 66, 77 [A 151].

1. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
2. Flannigan, D. J., Hopkins, D., Camara, C. G., Putterman, S. J., Suslick, K. S.: 2006, *Measurement of Pressure and Density inside a Single Sonoluminescing Bubble*, Physical review Letters **96**, 204301.
3. Bernhardt, J., Liu, W., Theberge, F., Xu, H. L., Daigle, J. F., Chateauneuf, M., Dubois, J., Chin, S. L.: 2008, *Spectroscopic analysis of femtosecond laser plasma filament in air*, Optics Communications **281**, 1268.
4. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

5. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
6. Mallon Michael, Kühn-Kauffeldt Marina, Marqués José-Luis, Schein Jochen.: 2019, *Time efficient radiation model for determination of plasma parameters in atmospheric plasmas*, Journal of Physics D: Applied Physics **52**, 4140031.
7. Kalanov, D., Kozakov, R., Gortschakow, S.: 2021, *Spatially resolved LAAS diagnostics of a free-burning ar arc: Analysis of line broadening,* Journal of Quantitative Spectroscopy and Radiative Transfer, **265**, 107564.

183. **L**. **Č**. **Popović, P**. **Jovanović, E**. **Bon, M**. **S**. **Dimitrijević: 2002, Publ**. **Astron**. **Obs**. **Belgrade 73, 49 [Ж 13]**.

1. Jovanović, P.: 2006, *Influence of Gravitational Microlensing on X-Ray Radiation from Accretion Disks of Active Galaxies,* Publications of the Astronomical Society of the Pacific **118**, 656.

184. **M**. **S**. **Dimitrijević, S., Djeniže, A., Srećković, S., Bukvić: 2002, IAU Symp**. **210, Modelling of Stellar Atmospheres, Upsala, 59 [З 131]**.

2. Neiner, C., Hubert, A. M., Fremat, Y., Floquet, M., Jankov, S., Preuss, O., Henrichs, H. F., Zorec, J.: 2003, *Rotation and magnetic field in the Be star omega Orionis*, Astron. Astrophys. **409**, 275.

185. **M**. **S**. **Dimitrijević: 2002, Astron**. **Nachrichten, 323, 570 [A 152]**.

1. Rosengren, A. J., Scheeres, D. J.: 2014, *On the Milankovitch orbital elements for perturbed Keplerian motion*, Celestial Mechanics and Dynamical Astronomy **118**, 197.
2. Gajic Nenad: 2019, *The curious case of the Milankovitch calendar*, History of Geo- and Space Sciences **10**, 235.

186. **A**. **A**. **Mihajlov, D**. **Jevremović, P**. **Hauschildt, M**. **S**. **Dimitrijević, Lj**. **M**. **Ignjatovic, F**. **Alard: 2003, Astron**. **Astrophys**. **403, 787 [A 158]**.

2. Mihajlov, A. A., Ignjatović, Lj. M., Djurić, Y., Ljepojević, N. N.: 2004, *The rate coefficients for the processes of (n – n')-mixing in collisions of Rydberg atoms H*(n) with H(1s) atoms*, Journal of Physics B **37**, 4493.
3. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He(1s^2) collisions on He*(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.
4. Gnedin, Yu. N., Mihajlov, A. A., Ignjatović, Lj. M., Sakan, N. M., Srećković, V. A., Zakharov, M. Yu., Bezuglov, N. N., Klyucharev, A. N.: 2009*, Rydberg atoms in astrophysics,* New Astronomy Review, **53,** 259.
5. Bohr, Alex, Blickle, Andrew, Paolini, Stephen, Ohlinger, Luke, Forrey, Robert C.: 2012, *Ionization in collisions between metastable hydrogen atoms*, Physical Review A **85** (2012) 042710.

6. Dewangan, D. P.: 2012, *Asymptotic methods for Rydberg transitions*, Physics Reports, **511,** 1-142.
7. Rej Pramit, Ghoshal Arijit: 2014*, Rydberg transitions for positron–hydrogen collisions: asymptotic cross section and scaling law,* Journal of Physics B **47**, 015204.
8. Gnedin, Yu. N., Piotrovich, M. Yu., Klyucharev, A. N.: 2015, *Rydberg States of Atoms and Molecules in the Atmospheres of Very Cool Stars with Magnetic Fields,* in Physics and Evolution of Magnetic and Related Stars, eds. Kudryavtsev, D. O., Balega, Yu. Yu., Romanyuk, I. I., ASP Conference Series, **494**, 261.
14. Afanas'ev, V. L., Piotrovich, M. Yu., Gnedin, Yu. N., Buliga, S. D., Natsvlishvili, T. M.: 2018, *Spectropolarimetric Observations of Magnetic White Dwarfs with the SAO 6-m Telescope,* Astronomy Reports, **62**, 138.

187. **M**. **S**. **Dimitrijević, T**. **Ryabchikova, L**. **Č**. **Popović, D**. **Shulyak, V**. **Tsymbal: 2003, Astron**. **Astrophys**. **404, 1099 [A 159]**.

2. Gray, D. F.: 2005, *The Observation and Analysis of Stellar Photospheres,* Third edition, Cambridge University Press, Cambridge.
3. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
4. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
5. Martins, Lucimara P., Coelho, Paula, Caproni, Anderson, Vitoriano, Roberto: 2014, *ALICCE: Atomic Lines Calibration using the Cross-Entropy Algorithm*, Monthly Notices of Royal Astronomical Society, **442**, 1294.
6. Kitamura Jessica R., Martins Lucimara P., Coelho Paula: 2017, *A study on missing lines in the synthetic solar spectrum near the Ca triplet*, Astronomy and Astrophysics, **600**, A58.
7. Martins, L., Coelho, P.: 2017, *Grids of model spectra for WN stars, ready for use*, Canadian Journal of Physics, **95**, 840.

188. **V**. **Milosavljević, S**. **Djeniže, M**. **S**. **Dimitrijević: 2003, Phys**. **Rev**. **E 68, 016402 [A 162]**.

2. Milosavljević, V., Djeniže, S.: 2003, *Plasma diagnostics through analysis of two Ar I line shape characteristics,* BPU-5, Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjačka Banja, Serbia and Montenegro, 1137.
3. Milosavljević, V., Žigman, V., Djeniže, S.: 2004, *Stark width and shift of the neutral argon 425.9 nm spectral line*, Spectrochimica Acta B **59**, 1423.
4. Milosavljević, V.: 2004, *Plasma diagnostics through analysis of Ne I line shape characteristics*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds.

Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 340.

5. Jiaolong Zeng, Jianhua Wu, Fengtao Jin, Gang Zhao, Jianmin Yan: 2005, *Cross sections for electron-impact excitation of krypton from the levels of $4p^6$, $4p^5 5s$, and $4p^5 5p$ configurations,* Physical Review A **72**, 042707.
6. Konjević, N., Fuhr, J. R., Lesage, A., Wiese, W. L.: 2005, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms; A Critical Review of Selected Data for the Period 1989 Through 2000 (Updated 2005 version)*, l'Observatoire de Paris.
7. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
8. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
9. Ivković, M., Žikić, R., Jovićević, S., Konjević, N.: 2006, *On simultaneous determination of electron impact width, ion-broadening and ion-dynamic parameter from the shape of plasma broadened non-hydrogenic atom line*, Journal of Physics B **39**, 1773.
10. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy **XXVIA**, International Astronomical Union, 367.
11. Milosavljević, V., Karkari, S. K., Ellingboe, A. R.: 2007, *Characterization of the pulse plasma source,* Plasma Sources Science and Technology **16**, 304.
12. Vaičaitis, V., Gaižauskas, E.: 2007, *Conical fluorescence emission from sodium vapor excited with tunable femtosecond light pulses*, Physical Review A **75**, 033808.
13. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
14. Milosavljević, V., Popović, D., Ellingboe, A. R.: 2009, *Method for Estimation of Electron Densitz in a Pulse Plasma Source*, Journal of the Physical Society of Japan **78**, 084501.
15. Alexander, A. B., Raynor, C. T., Wiggins, D. L., Robinson, M. K., Akpovo, C. C., Johnson, J. A.: 2011, *Turbulence changes from magnetic fields in a stationary plasma*, Journal of Plasma Physics **77**, 537.
16. Koryukina, E. V., Koryukin, V. I.: 2012*, A theoretical study of the dynamic stark effect for a Ne^+ ion under laser excitation*, Russian Physics Journal, **55**, 229.

189. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2003, Atomic Data and Nuclear Data Tables 85, 269 [A 166]**.

1. Roberts, D. E., du Plessis, A., Steyn, J., Botha,L. R., Strydom, C. A., van Rooyen, I. J.: 2003, *Femtosecond laser induced breakdown spectrosco-*

py of silver within surrogate high temperature gas reactor fuel coated particles, Spectrochimica Acta B, **65**, 918.
2. Веклич, А. М., Осідач, В. С.: 2004, *Визначення електронної концентрації в плазмі електродугового розряду*, Вісник Київського університету, Серия: фізико-математичні науки Но. 2, 428.
3. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
4. Бабіч, .Л., Борецький, В. Ф., Веклич, А. М., Іванісік, А. І., Семенишин, Р. В., Крячко, Л. О., Головкова, М. Є.: 2010, *Спектроскопія плазми електродугового розряду між композитними електродами Ag-CuO,* Електричні контакти та електроди, Інститут Проблем Матеріалознавства ім І. М. Францкевича, Київ, 82.
5. Babich, I. L., Boretskij, V. F., Kryachko, L. A., Minakova, R. V., Semenyshyn, R. V., Veklich, A. N.: 2011, Thermal plasma of electric arc discharge with silver vapours: Peculiarities of spectroscopic investigations, XIX Symposium on Physics of Switching Arc, Ski Hotel – Nove Mesto na Morave, Czech Republic, 5-9 September 2011, Invited Lectures and Contributed Papers, Brno University of Technology, Faculty of Electrical Engineering and Communication, Brno, 101
6. Tošić, S. D., Pejčev, V., Šević, D., McEachran, R. P., Stauffer, A. D., Marinković, B. P.: 2012, *Absolute differential cross sections for electron excitation of silver at small scattering angles*, Nuclear Instruments and Methods in Physics Research B, **279**, 53.
7. Ahmat, L., Ahmed, I., Nadeem, Ali: 2014, *Infrared laser induced plasma diagnostics of silver target,* Physics of Plasmas **21**, 093501.
8. Babich, I. L., Boretskij, V. F., Veklich, A. N., Semenyshyn, R. V.: 2014, *Spectroscopic data and Stark broadening of Cu I and Ag I spectral lines: Selection and analysis,* Advances in Space Research, **54,** 1254.
9. Nasar Ahmed, Rizwan Ahmed, Aslam Baig M.: 2017, *Analytical Analysis of Different Karats of Gold Using Laser Induced Breakdown Spectroscopy (LIBS) and Laser Ablation Time of Flight Mass Spectrometer (LA-TOF-MS,* Plasma Chemistry and Plasma Processes, https://doi.org/10.1007/s11090-017-9862-2.
10. EL Sherbini Ashraf M., EL Sherbini Ahmed E., Parigger Christian: 2018, *Measurement of Electron Density from Stark-Broadened Spectral Lines Appearing in Silver Nanomaterial Plasma,* Atoms **6**, 44.
11. EL Sherbini Ashraf M., EL Sherbini Ahmed E., Parigger Christian: 2018, *Measurement of Electron Density from Stark-Broadened Spectral Lines Appearing in Silver Nanomaterial Plasma,* in Stark Broadening of Spectral Lines in Plasma, ed. Eugen Oks, Basel, 111-119.
12. McNamara Keegan, Fursa Dmitry V., Bray Igor: 2018, *Calculation of electron scattering on atomic silver,* Journal of Physics B: Atomic, Molecular, and Optical Physics, **51**, 085203.

13. Nancy Parvathy, James Jemy, Valluvadasan Sivakumaran,Kumar Ravi A.V., Kalarikkal Nandakumar: 2018, *Laser–plasma driven green synthesis of size controlled silver nanoparticles in ambient liquid,* Nano-Structures and Nano-Objects, **16**, 337.
14. Harse Sattar, Liying Sun, Muhammad Imran, Ran Hai, Ding Wu, Hongbin Ding: 2019, *Effect of parameter setting and spectral normalization approach on study of matrix effect by laser induced breakdown spectroscopy of Ag–Zn binary composites*, Plasma Science and Technology, **21**, 034019.
15. EL Sherbini Ashraf M., El Farash Ahmed H., EL Sherbini Tharwat M., Parigger Christian G.: 2019, *Opacity Corrections for Resonance Silver Lines in Nano-Material Laser-Induced Plasma,* Atoms **7**, 73.
16. Alhijry Ibraheem A., El Sherbini Ashraf M., El Sherbini Tharwat M.: 2020, *Measurement of deviations of transition probability of the neutral silver lines at 827.35 and 768.77 nm using OES-technique*, Journal of Quantitative Spectroscopy and Radiative Transfer, **245**, 106922.
17. Safi Ali, Aberkane Sabrina Messaoud, Botto Asia, Campanella Beatrice, Legnaioli Stefano, Poggialini Francesco, Raneri Simona, Rezaei Fatemeh, Palleschi Vincenzo: 2021, *Determination of Spectroscopic Parameters of Ag(I) and Ag(II) Emission Lines Using Time-Independent Extended C-Sigma Method*, Applied Spectroscopy, **75(6)**, 654.

190. **S**. **Djeniže, V**. **Milosavljević, M**. **S**. **Dimitrijević: 2003, European Physical Journal D 27, 209 [A 168]**.

1. Srećković, A., Bukvić, S., Djeniže, S.: 2004, *Stark broadening parameters of the 381.96 nm He I line*, European Journal of Physics D **30**, 93.
2. Djeniže, S., Bukvić, S., Srećković, A.: 2004, *Stark broadening and transition probability ratios in the Mg I spectrum*, Astronomy and Astrophysics, **425**, 361.
3. Adelman, S. J.: 2005, *On Atomic Physics Data for Stellar Atmospheres Research*, Memorie della Societa Astronomica Italiana Supplementi **8**, 103.
4. Djeniže, S., Srećković, A., Bukvić, S.: 2005, *Mg II 448.1 nm spectral line Stark broadening parameters*, Japanese Journal of Applied Physics **44**, 1450.
5. Milosavljević, V., Djeniže: 2005, *Experimental total Stark shifts in the Ar I spectrum*, Proceedings of the IV Serbian-Bulgarian Astronomical Conference, Belgrade 21-24 April 2004, eds. M. S. Dimitrijević, V. Golev, L. Č. Popović, M. Tsvetkov, Publications of the Astronomical Society "Ruđer Bošković", **5,** 231.
6. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.
7. Djeniže, S., Srećković, A., Bukvić, S.: 2011, *On the Cd III spectrum in the pulsed helium discharge*, European Journal of Physics D **30**, 93.
8. Gudimenko, E., Milosavljević, V., Daniels, S.: 2012*, Influence of self-absorption on plasma diagnostics by emission spectral lines*, Optics Express, **20**,12699.

9. Belmonte, M. T., Gavanski, L., Peláez, R. J., Aparicio, J. A., Djurović, S., Mar, S.: 2016*, Kr II transition probability measurements for the UV spectral region*, Monthly Notices of Royal Astronomical Society, **456**, 518.
10. Hinojosa, G., Davis, V. T., Covington, A. M., Thompson, J. S., Kilcoyne, A. L. D., Antillón, A., Hernández, E. M., Calabrese, D., Morales-Mori, A., Juárez, A. M., Windelius, O., McLaughlin, B. M.: 2017*, Single photoionization of the Zn II ion in the photon energy range 17.5-90.0 eV: experiment and theory*, Monthly Notices of Royal Astronomical Society, **470**, 4048.
11. Eser Selda, Özdemir Leyla: 2018, *Electric dipole transitions between low-lying levels in doubly ionized krypton, xenon, and radon*, Canadian Journal of Physics, **96**, 664.
12. Gupta Shivam, Srivastava Rajesh: 2020, *Detailed electron impact fine-structure excitation cross-sections of Kr+ and linear polarization of its subsequently emitted photons,* Journal of Quantitative Spectroscopy and Radiative Transfer **253,** 106992.
13. Belmonte, M. T., Gavanski, L., Peláez, R. J., Aparicio, J. A., Djurović, S., Mar, S.: 2021, *Experimental transition probabilities and oscillator strengths of doubly ionised krypton in the ultraviolet region*, Journal of Quantitative Spectroscopy and Radiative Transfer, **271**, 107703.

191. **V**. **Milosavljević, M**. **S**. **Dimitrijević, S**. **Djeniže: 2003, High Temperature Material Processes 7, 525 [A 170]**.

1. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
2. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
3. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

192. **M**. **S**. **Dimitrijević, M**. **Dačić, Z**. **Cvetković, S**. **Sahal-Bréchot: 2003, Astronomy and Astrophysics 400, 791 [A 156]**.

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.

193. **D**. **Tankosić, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2003, Astronomy and Astrophysics 399, 795 [A 155]**.

1. Mohamed, W. T. Z., Askar, A.: 2007, *Study of the Matrix Effect on the Plasma Characterization of Heavy Elements in Soil Sediments using LIBS with a Portable Echelle Spectrometer,* Progress in Physics **1**, 46.
2. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II,and Ba II spectral lines,* Astron. Astrophys. **555**, A144.

3. Storey, P. J., Sochi Taha: 2016, *Collision strengths and transition probabilities for Co III forbidden lines,* Monthly Notices of the Royal Astronomical Society **459**, 2558.

194. **A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, M**. **S**. **Dimitrijević, Z**. **Djurić: 2003, Astrophys**. **J**. **Suppl**. **Series 147, 369 [A 161]**.

1. Ignjatović, Lj. M., Mihajlov, A. A.: 2005, *Rate coefficient for the chemi-ionization in slow Li*(n) + Li and Na*(n). + Na collisions*, Physical Review A **72**, 022715.
2. Gnedin, Yu, N., Borisov, N. V., Larionov, V. M., Natslishvili, T. M., Piotrovich, M. Yu., Arkharov, A. A.: 2006, *Spectropolarimetry and IR Photometry of Magnetic White Dwarfs: Vacuum Polarization or Rydberg States in Their Magnetic Fields?*, Astronomy Reports **50**, 553.
3. Гнедин Ю. Н., Борисов Н. В., Ларионов В. М., Нацвлишвили Т. М., Пиотрович М. Ю., Архаров А. А.: 2006*, Спектрополяриметрия и инфракрасная фотометрия магнитных белых карликов: поляризация вакуума или ридберговские состояния в магнитном поле,* Астрономический журнал, **83**, 620.
4. Djurić, Z., Ignjatović, Lj. M., Mihajlov, A. A., Srećković, V. A.: 2007, *The influence of (n-n')-mixing processes in He*(n) + He(1s^2) collisions on He*(n) atoms population of in weakly ionized non-equilibrium helium plasmas* Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 1877.
5. Ignjatović, Lj. M., Mihajlov, A. A., Klyucharev, A. N.: 2008, *The rate coefficientsof the chemi-ionization processes in slow Li*(n) + Na collisions*, Journal of Physics B **41**, 025203.
6. Klyucharev, A. N., Bezuglov, N. N., Mihajlov, A. A., Ignjatović, Lj. M.: 2010, *Influence of inelastic Rydberg atom–atom collisional process on kinetic and optical properties of low-temperature laboratory and astrophysical plasmas*, Journal of Physics Conference Series **257**, 012027.
7. Rej Pramit, Ghoshal Arijit: 2014*, Rydberg transitions for positron–hydrogen collisions: asymptotic cross section and scaling law,* Journal of Physics B **47**, 015204.
8. Celiberto, R., Baluja, K. L., Janev, R. K., Laporta, V.: 2016*, Electron-impact dissociation cross sections of vibrationally excited He^{+2} molecular ion,* Plasma Physics and Controlled Fusion, **58,** 014024.
9. Kislov, K. S., Narits, A. A., Lebedev, V. S.: Dewangan, D. P.: 2020, Analysis of Efficiencies of Electron Capture by Ions into Rydberg States and Inelastic $n \rightarrow n'$ Transitions in Plasma of Inert Gas Mixtures, Optics and Spectroscopy, **128,** 448.
10. Лебедев, В. С., Кислов, К. С., Нариц, А. А.: 2020, *Резонансный захват электронов ионами в ридберговские состояния атомов,* Журнал Экспериментальной и Теоретической Физики*,* **157**, 579.
11. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Rydberg states population via three-body and dissociative recombination in low-temperature*

plasmas of rare gas mixtures, Plasma Sources Science and Technology, **29**, 025002.

12. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Resonant Electron Capture by Ions into Rydberg States of Atoms,* Journal of Experimental and Theoretical Physics, **130**, 483.
13. Иванов, В. А.: 2021, Диссоциативная рекомбинация в послесвечении барьерного разряда в неоне низкого давления. Заселение атомов конфигурации $2p^5 3d$, Оптика и спектроскопия, 129(11), 1360.

195. **M**. **S**. **Dimitrijević, P**. **Jovanović, Z**. **Simić: 2003, Astron**. **Astrophys**. **410, 735 [A 165]**.

2. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.
3. Santos, M., Díaz, L., Camacho, J. J., Poyato, J. M. L., Pola, J., Krenek, T.: 2010, *Laser induced breakdown spectroscopy of germane plasma induced by IR CO_2 pulsed laser*, Applied Physics A, **99**, 811.
4. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
5. Camacho, J. J., Diaz, L., Poyato, J. M. L.: 2011, *Time-resolved spectroscopic diagnostic of laser-induced plasma on germanium targets,* Journal of Applied Physics **109**, 103304.
6. Iqbal Javed , Ahmed R., Baig M. A.: 2017, *Time integrated optical emission studies of the laser produced germanium plasma,* Laser Physics **27**, 046101.
7. Dojić Dejan, Skočić Miloš, Bukvić Srdjan, Djeniže Stevan: 2019, Stark broadening and shift of selected Ge II spectral lines, Monthly Notices of the Royal Astronomical Society, **484**, 3419.

196. **M**. **S**. **Dimitrijević: 2003, Astron**. **Astrophys**. **Transactions 22, 389 [A 163]**.

1. Orr, B. J.: 2006, *Spectroscopy and energetic of the acetylene molecule: Dynamical complexity alongside structural simplicity,* Astrophysical Journal **25**, 655.
2. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* International Reviews in Physical Chemistry **680**, 803.
3. Peláez, R. J., Ćirišan, M., Djurović, S., Aparicio, J. A., Mar, S.: 2009, S*tark broadening measurements of low-intensity singly and doubly ionized xenon spectral lines*, Astronomy and Astrophysics **507**, 1697.

4. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
5. Elabidi, H., Sahal-Bréchot, S.: 2011, *Checking the dependence on the upper level ionization potential of electron impact widths using quantum calculations,* European Physical Journal D, **61**, 285.
6. Elabidi, Haykel, Ben Nessib, Nébil, Sahal-Bréchot, Sylvie: 2012, *Electron impact broadening of Si IV spectral lines: Comparison with recent experiments,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1606.
7. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2014, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, Atoms, **2**, 207.
8. Duan, Bin, Bari, Muhammad, Abbas, Wu, Zeqing, Yan, Yun: 2015, *Electron-Impact Widths and Shifts of B III 2p-2s Lines*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 121.
9. Nandy, D. K., Sahoo, B. K.: 2015, *Forbidden transition properties in the ground-state configurations of singly ionized noble gas atoms for stellar and interstellar media*, Monthly Notices of the Royal Astronomical Society **450**, 1012.
10. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
11. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S: 2016, *Stark halfwidths of several O II spectral lines*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 236.
12. Savić, I., Gavanski, L., Belmonte, M. T., Djurović, S: 2016, *Stark halfwidths of someI spectral lines of ionized silicon*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 264.
13. Elabidi, Haykel, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.

14. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
15. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie.: 2019, *Quantum Stark broadening data for Ar VIII and Ar IX lines,* Monthly Notices of the Royal Astronomical Society, **484**, 4801.
16. R. Aloui, H. Elabidi, S. Sahal-Bréchot: 2020, *Stark broadening and atomic data for Ar XVI,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 154.
17. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.
18. Elabidi Haykel: 2020, *Quantum Mechanical Stark Broadening for Na VII and Na VIII lines,* Journal of Umm Al-Qura University for Applied Science, **6**, 25.
19. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres,* Monthly Notices of the Royal Astronomical Society, **503**, 5730.

197. **A**. **Srećković, M**. **S**. **Dimitrijević, S**. **Djeniže, S**. **Bukvić: 2003, Astronomy and Astrophysics 400,1155 [A 157]**.
1. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

198. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2003, High**. **Temp**. **Material Processes, 7, 313 [B 17]**.
1. Konjević, N.: 2008, *Broadening and shifting of spectral lines in gas plasmas and electrical gas discharges,* Bulletin / Académie serbe des sciences et des arts, **CXXXV,** Classe des sciences mathématiques et naturelles – Sciences naturelles, No 44, 213.

199. **P**. **Jovanović, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2003, Publ**. **Astron**. **Obs**. **Belgrade 76, 205 [J 63]**.
1. Jovanović, P.: 2006, *Influence of Gravitational Microlensing on X-Ray Radiation from Accretion Disks of Active Galaxies,* Publications of the Astronomical Society of the Pacific **118**, 656.

200. **M**. **S**. **Dimitrijević, P**. **Jovanović, Z**. **Simić: 2003, Publ**. **Astron**. **Obs**. **Belgrade 76, 185 [J 65]**.
1. Shakeel Hira, Arshad Saboohi, Haq S. U., Nadeem Ali.: 2016, *Electron temperature and density measurements of laser induced germanium plasma,* Physics of Plasmas **23**, 053504.

201. **M**. **S**. **Dimitrijević, S**. **Sahal – Bréchot: 2004, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed**. **E**. **Dalimier, Editions FRONTIER GROUP – 2004, 397 [Д 49]**.

1. Sahal – Bréchot, S.: *A tribute to Henri van Regemorter: Line shapes, collisions and radiation*, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed. E. Dalimier, Editions FRONTIER GROUP – 2004, 311.
2. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.

202. **V**. **Milosavljević, S**. **Djeniže, M**. **S**. **Dimitrijević: 2004, Journal of Physics B: Atomic, Molecular and Optical Physics 37, 2713**.

1. Milosavljević, V.: 2004, *Plasma diagnostics through analysis of Ne I line shape characteristics*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 340.
2. Konjević, N., Fuhr, J. R., Lesage, A., Wiese, W. L.: 2005, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms; A Critical Review of Selected Data for the Period 1989 Through 2000 (Updated 2005 version)*, l'Observatoire de Paris.
3. Jovićević, S., Ivković, M., Zikić, R., Konjević, N.: 2005, *On the Stark broadening of Ne I lines and quasi-static versus ion impact approximation,* Journal of Physics B: Atomic, Molecular and Optical Physics **38**, 1249.
4. Milosavljević, V.: 2005, *Measured Stark shifts of Kr I line profiles in the 5s-5p and 5s-5p' transitions*, Memorie della Societa Astronomica Italiana Supplementi **7**, 196.
5. Milosavljević, V., Ellingboe, A. R., Djeniže, S.: 2005, *Measured Stark widths and shifts of the neutral argon spectral lines in 4s-4p and 4s-4p' transitions*, Spectrochimica Acta B **61**, 81.
6. Dzierzega, K., Musiol, K., Pokrzywka, B., Zawadzki, W.: 2006, *Measurements of Stark widths and shifts of Ne I lines using degenerate four-wave mixing and Tomson scattering methods*, Spectrochimica Acta B **61**, 850.
7. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
8. Milosavljević, V., Karkari, S. K., Ellingboe, A. R.: 2007, *Characterization of the pulse plasma source,* Plasma Sources Science and Technology **16**, 304.
9. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

203. **E**. **Danezis, A**. **Antoniou, L**. **Popović, M**. **Dimitrijević, E**. **Lyratzi, D**. **Nikolaidis, A**. **Soulikias, E**. **Theodossiou: 2004, The many scales in the Universe,**

Joint European and National Astronomical Meeting, 13-17 September 2004, Granada, 118 [Л 150].

1. Lyratzi, E., Danezis, E.: 2004, *SACs and DACs phenomena in the atmospheres of hot emission stars*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 458.

204. **E**. **Lyrattzi, E**. **Danezis, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, E**. **Theodossiou, D**. **Nikolaidis, A**. **Antoniou, A**. **Soulikias: 2004, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed**. **E**. **Dalimier, Editions FRONTIER GROUP – 2004, 507 [Д 51]** .

1. Lyratzi, E., Danezis, E.: 2004, *SACs and DACs phenomena in the atmospheres of hot emission stars*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 458.
2. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

205. **E**. **Lyrattzi, E**. **Danezis, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, E**. **Theodossiou, D**. **Nikolaidis, A**. **Antoniou, A**. **Soulikias: 2004, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed**. **E**. **Dalimier, Editions FRONTIER GROUP – 2004, 510 [Д 52]**.

1. Lyratzi, E., Danezis, E.: 2004, *SACs and DACs phenomena in the atmospheres of hot emission stars*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 458.
2. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

206. **N**. **Milovanović, M**. **S**. **Dimitrijević, L**. **Č**. **Popović, Z**. **Simić: 2004, Proceedings of the 17th International Conference on Spectral Line Shapes, June 21-25, 2004 – Paris, France, ed**. **E**. **Dalimier, Editions FRONTIER GROUP – 2004, 504 [Д 50]**.

1. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

207. **L**. **Csillag, M**. **S**. **Dimitrijević: 2004, Applied Physics B: Lasers and Optics 78, 221[A 174]**.

1. Bano, G., Horvath, P., Csillag, L., Glosik, J., Adamowicz, T. M., Rozsa, K.: 2005, *224 nm segmented hollow-cathode silver ion laser,* Applied Physics B: Lasers and Optics **80**, 215.
2. Liu Hongli, Yuan Wenhao, Cheng Feihu, Wang Zhiyuan, Xu Zetian, Deng Ke, Lu Zehuang: 2018, *Ultraviolet laser spectroscopy of aluminum atoms in hollow-cathode lamp,* Journal of Physics B: Atomic, Molecular, and Optical Physics, **51**, 225002 .

208. **A**. **Srećković, S**. **Bukvić, S**. **Djeniže, M**. **S**. **Dimitrijević: 2004, Astronomy and Astrophysics 420, 769 [A 172]**.

1. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.

209. **N**. **Milovanović, M**. **S**. **Dimitrijević, L**. **Č**. **Popović, Z**. **Simić: 2004, Astronomy and Astrophysics 417, 375 [A 169]**.

1. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.
2. Bukvić, S., Djeniže, S., Srećković, A., Nikolić, Z.: 2009, *Measured Cd III Stark widths*, Physics Letters A, **373**, 2750.
3. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
4. Simić Zoran, Sakan Nenad M., Milovanović Nenad, Martinović Mihajlo: 2021, *Singly Ionized Iridium Spectral Lines in the Atmosphere of Hot Stars,* International Astronomy and Astrophysics Research Journal, **3(2)**, 33.

210. **M**. **S**. **Dimitrijević, M**. **Dačić, Z**. **Cvetković, Z**. **Simić: 2004, Astronomy and Astrophysics 425, 1147 [A 171]**.

3. Adelman, S. J.: 2005, *On Atomic Physics Data for Stellar Atmospheres Research*, Memorie della Societa Astronomica Italiana Supplementi **8**, 103.
4. Guo, J., Chen, C. S., Man, B. Y., Yang, S. Y., Zhou, X. M., Wang, C., Diao, C. Y.: 2009, *Time-Resolved Spectroscopy Analysis of Ga Atom in Laser Induced Plasma*, Laser Spectroscopy **19**, 1832.
5. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the Eu-*

ropean project VAMDC (Virtual Atomic and Molecular Data Center), Journal of Physics Conference Series **257**, 012028.

211. W. Mahmoudi, N. Ben Nessib, M. S. Dimitrijević: 2004, Astronomy and Astrophysics 434, 773 [A 178].

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
2. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.

212. L. Č. Popović, M. S. Dimitrijević, E. Mediavilla, E. Danezis, E. Lyratzi, E. Bon, D. Ilić, P. Jovanović, E. Theodossiou, M. Dačić: 2004, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings 740, 497 [B 18].

1. L. Č. Popović, D. Ilić: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

213. Ben Nessib, N., Dimitrijević, M. S., Sahal-Bréchot, S.: 2004, Astronomy and Astrophysics 423, 397.

1. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
2. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
3. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.

214. Z. Simić, M. S. Dimitrijević, L. Č. Popović, M. Dačić: 2005, J. Applied Spectroscopy 72, 443 [A 180].

1. Simić, Z.: 2005, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma*, Memorie della Societa Astronomica Italiana Supplementi **7**, 122.
2. Simić, Z.: 2006, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma*, Proc. XIV Nat. Conf. Astron. Serbia and Montenegro, Belgrade, October 12/15, 2005, eds. Z. Knežević, Z. Cvetković, M. M. Ćirković, Publ. Astron. Obs. Belgrade **80**, 99.

3. Purić, J., Nikolić, M., Šćepanović, M., Dojčinović, I. P., Obradović, B. M., Kuraica, M. M.: 2007, *Stark Widths Dependence on the Rest Core Charge of the Emitters for Multiply Charged Ions Spectral Lines*, Proceedings of the 28th ICPIG, July 15-20. 2007, Prague, Czekh Republic, 128.
4. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.
5. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

215. Z. Simić, M. S. Dimitrijević, N. Milovanović, S. Sahal-Bréchot: 2005, Astronomy and Astrophysics 441, 391 [A 181].

1. Simić, Z.: 2006, *Influence of impacts with charged particles on Cd I and F III spectral lines in stellar plasma,* Proc. XIV Nat. Conf. Astron. Serbia and Montenegro, Belgrade, October 12/15, 2005, eds. Z. Knežević, Z. Cvetković, M. M. Ćirković, Publ. Astron. Obs. Belgrade **80**, 99.
2. Shaikh, N. M., Rashid, B., Hafeez, S., Mahmood, S., Saleem, M., Baig, M. A.: 2006, *Diagnostics of cadmium plasma produced by laser ablation,* Journal of Applied Physics **100**, 073102.
3. Shaikh, N. M., Hafeez, S., Baig, M. A.: 2007, *Comparison of zinc and cadmium plasma produced by laser ablation,* Spectrochimica Acta B, **62**, 1311.
4. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
5. Sanz, M., Lopez-Arias, M., Rebollar, E., de Nalda, R., Castillejo, M.: 2012, *Laser ablation and deposition of wide bandgap semiconductors: plasma and nanostructure of deposits diagnosis,* Journal of Nanoparticle Research, **13**, 6621.

216. M. S. Dimitrijević, T. Ryabchikova, L. Č. Popović, D. Shulyak, S. Khan: 2005, Astron. Astrophys. 445, 1191 [A 176].

1. L. Č. Popović, D. Ilić: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.
2. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the Eu-*

ropean project VAMDC (Virtual Atomic and Molecular Data Center), Journal of Physics Conference Series **257**, 012028.

3. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
4. Shin Joonghan, Mazumder J.: 2016, *Plasma diagnostics using optical emission spectroscopy in laser drilling process*, Journal of Laser Applications, **28**, 022008.
5. Sahal-Bréchot, S., Elabidi, H.: 2021, *Stark broadening for Br VI and Kr V-VII lines in hot star atmospheres,* Astronomy and Astrophysics, **652**, A47.

217. **E**. **Danezis, E**. **Theodossiou, I**. **Gonidakis, M**. **S**. **Dimitrijević: 2005, European Journal for Science and Theology 1(4), 29 [A182]**.

1. Rabie-Boshoff, A.C., Buitendag, J.: 2021, *Imago Dei: We are but dust and shadow*, HTS Teologiese Studies/Theological Studies, 77(3), a6766. https://doi.org/10.4102/hts.v77i3.6766.

218. **H**. **Elabidi, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 213 [Ђ 13]**.

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
2. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.

219. **W**. **Mahmoudi, N**. **Ben Nessib, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 217 [Ђ 17]**.

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.

220. **Z**. **Simić, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, M**. **D**. **Dačić: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 236 [Ђ 18]**.

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.
2. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian-Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

221. **B**. **Zmerli, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 242 [Ђ 11]**.

1. Allard, N. F., Peach, G.Wahlgren, G. M.: 2007, *Working group on Atomic Transition Probabilities*, Commission 14: Atomic and Molecular Data, Reports on Astronomy XXVIA, International Astronomical Union, 367.

222. **E**. **Lyratzi, E**. **Danezis, D**. **Nikolaidis, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 114 [Ђ 14]**.

1. Goraya, P. S.: 2007, *Variable spectral energy distribution of γ Cassiopeiae in the optical region,* Bull. Astr. Soc. India, **35,** 23.
2. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.
3. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

223. **E**. **Danezis, D**. **Nikolaidis, E**. **Lyratzi, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 107 [Ђ 12]**.

1. Popović, L. Č., Ilić, D.: 2007, *Astrophysical Spectroscopy of Extragalactic Objects*. *Research at the Belgrade Astronomical Observatory,* Proceedings of the 5th Bulgarian'Serbian Conference on Astronomy and Space Science, eds. M. K. Tsvetkov, L. G. Filipov, M. S. Dimitrijević, L. Č. Popović, Heron Press, Sofia, with CD supplemented to Bulgarian Journal of Physics, **34** (2), 16.

224. **A**. **A**. **Mihajlov, Lj**. **Ignjatović, M**. **S**. **Dimitrijević: 2005, Astronomy and Astrophysics 437, 1023 [A 179]**.

1. Barklem, P.: 2007, *Non-LTE Balmer line formation in late-type spectra: effects of atomic processes involving hydrogen atoms*, Astronomy and Astrophysics **466**, 327.
2. Sakan, N. M.: 2010, *The Calculation of the Photo Absorption Processes in Dense Hydrogen Plasma with the Help of Cut-Off Coulomb Potential Model*, Journal of Physics Conference Series **257**, 012036.
3. Dewangan, D. P.: 2012, *Asymptotic methods for Rydberg transitions*, Physics Reports, **511,** 1-142.
4. Лебедев, В. С., Кислов, К. С., Нариц, А. А.: 2020, *Резонансный захват электронов ионами в ридберговские состояния атомов,* Журнал Экспериментальной и Теоретической Физики*,* **157**, 579.
5. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2020, *Resonant Electron Capture by Ions into Rydberg States of Atoms,* Journal of Experimental and Theoretical Physics, **130**, 483.

225. **M**. **Christova, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 238 [Ђ 10]**.

1. Wang Zhong, Zhang Gui-Xin, Liu Cheng, Jia Zhi-Dong: 2014, *Comparative Study on Excitation Temperature, Electron Temperature and Electron Density in an Atmospheric Argon Microwave Plasma*, Chinese Physics Letters **31**, 055203.

226. **M**. **S**. **Dimitrijević, T**. **Ryabchikova, L**. **Č**. **Popović, D**. **Shulyak, S**. **Kan: 2005, Memorie della Societa Astronomica Italiana Supplementi 7, 126 [Ђ 15]**.

1. Kilpio, E. Yu., Mironov, A. V., Malkov, O. Yu.: 2016, *On the Astron UV space mission data*, Baltic Astronomy **25**, 23.

227. **N**. **Milovanović, M**. **S**. **Dimitrijević, L**. **Č**. **Popović: 2005, 5th Serbian Conference on Spectral Line Shapes in Astrophysics, Vršac 06-10 June 2005, Program and abstracts, eds**. **M**. **S**. **Dimitrijević, L**. **Č**. **Popović, Prirodnjačko društvo "Gea", Vršac 2005, 39 [M 33]**.

1. Milovanović, N.: 2005, *The Stark broadening effect in hot star atmospheres: Ti II*, Memorie della Societa Astronomica Italiana Supplementi **7**, 132.

228. **M**. **S**. **Dimitrijević: 2005, in Teaching and Copmmunicating Astronomy – JENAM'04, eds**. **A**. **Ortis-Gil, V**. **Martinez, European Astronomical Society Publications Series 16, 35 [B 19]**.

1. J. Aleksić, N. Stanić: 2016, *Astronomical society "Rudjer Boskovic": 80 years of the society, 50 years of Public observatory and 45 years of Planetarium*, Publ. AOB No. 94 DAS No.1 DepAstro No. 21, 415.

229. **Милан С**. **Димитријевић: 2005, СРПСКИ АСТРОНОМИ У ИНДЕКСУ НАУЧНИХ ЦИТАТА У XX ВЕКУ, SERBIAN ASTRONOMERS IN SCIENCE CITATION INDEX IN THE XX CENTURY, библиотека INSPIRATIO, бр**. **2, Задужбина Андрејевић, Београд 2005 [Г 23]**.

1. Arbutina Bojan: 2018, *Selected Serbian astronomers in the Web of Science in the period 1977–2014*, Astronomical and Astrophysical Transactions **30**, 499.

230. **Z**. **Simić,**. **M**. **S**. **Dimitrijević, L**. **Č**. **Popović, M**. **D**. **Dačić: 2006, New Astronomy 12, 187 [A 185]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
2. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
3. Rezaei, F., Karimi, P., Tavassoli, S. H.: 2013, *Effect of self-absorption correction on LIBS measurements by calibration curve and artificial neural network,* Applied Physics B, Online.

231. **M**. **S**. **Dimitrijević, L**. **Csillag, 2006, J**. **Appl**. **Spectrosc**. **73, 458 [A 187]**.

1. Gil, L., Lippi, G. L.: 2011, *Self-induced ac Stark shift in lasers,* Physsical Review A **83**, 043840.

232. Lyratzi, E. Danezis, L. Č. Popović, M. S. Dimitrijević, D. Nikolaidis, A. Antoniou: 2007, Publications of the Astronomical Society of Japan, 59, 357 [A 192].

1. Lyratzi, E., Danezis, E.: 2004, *SACs and DACs phenomena in the atmospheres of hot emission stars*, in The Physics of Ionized Gases, 22nd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds. Lj. Hadžievski, T. Grozdanov, N. Bibić, American Institute of Physics Conference Proceedings **740**, 458.
2. Avlonitis, M., Pappa, A.: 2010, *Towards a probabilistic approach for DAC and SAC exact reconstruction in hot emission stars,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 64.
3. Antoniou, A., Stathopoulos, D., Danezis, E., Lyratzi, E.: 2011, *Studying the UV Mg II resonance lines in 20 Be stars*, Baltic Astronomy **20,** 572.
4. Antoniou, A., Danezis, E., Lyratzi, E., Stathopoulos, D.: 2012, *The structure of the Si IV region in Be stars: a study of Si IV spectral lines in Be 68 stars,* Journal of Physics: Conference Series, **399**, 012021.
5. Stathopoulos, Danezis, E., D., Lyratzi, E., Antoniou, A., Tzimeas, D.: 2015, *Multicomponent Analysis of the UV Si IV and C IV Broad Absorption Troughs in BALQSO Spectra: The Examples of J01225+1339 and J02287+0002*, Journal of Astrophysics and Astronomy, **36**, 495.
6. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
7. Stathopoulos Dimitrios, Danezis, E., Lyratzi E., Antoniou, A.,, Tzimeas D.: 2017, *On Si IV and C IV broad absorption line variability in the UV spectra of 10 BALQSOs*, Monthly Notices of the Royal Astronomical Society, **486**, 894.
8. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

233. M. S. Dimitrijević, L. Č. Popović, J. Kovačević, M. Dačić, D. Ilić: 2007, Monthly Notices of the Royal Astronomical Society, 374, 1181 [A 188].

1. Popović, L. Č.: 2006, *The broad line region of AGN: Kinematics and Physics,* Serbian Astronomical Journal **173**, 1.
2. Kovačević, J., Bachev, R., Popović, L. Č., Zamanov, R., Marziani, P.: 2007, *Asymmetry of the C IV λ 1549 A and [O III] λλ 4959, 5007 A lines in a sample of Rq and Rl AGN*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 104.
3. Smirnova, A. A., Gavrilović, N., Moiseev, A. V., Popović, L. Č., Afanasiev, V. L., Jovanović, P., Dačić, M.: 2007, *The gas kinematics in the Mrk*

533 nucleus and circumnuclear region: a gaseous outflow, Monthly Notices of the Royal Astronomical Society, **377**, 480.
4. Woo, Jong-Hak, Treu, T., Malkan, M. A., Ferry, M. A., Misch, T.: 2007, *Variability of moderate-luminosity active galactic nuclei at z = 0.36,* Astrophysical Journal, **661**, 60.
5. Kafka, S., Anderson, R., Honeycutt, R. K.: 2008, *Qu Carinae: a SNeIa Progenitor*?*,* Astronomical Journal, **135**, 1649.
6. Zepf, S. E., Stern, D., Maccarone, T. J., Kundu, A., Kamionkowski, M., Rhode, K. L., Salzer, J. J., Ciardullo, R., Gronwall, C.: 2008, *Very broad [O III] λλ 4959, 5007 emission from the NGC 4472 globular cluster RZ 2109 and implications for the mass of its black hole X-ray source,* Astrophysical Journal, **683**, L139.
7. Wang, J., Wei, J. Y.: 2008, *Understanding the AGN-host connection in partially obscured active galactic nuclei. I. The nature of AGN + H II composites,* Astrophysical Journal, **679**, 86.
8. Graham, J. F., Fruchter, A. S., Levan, A. J., Melandri, A., Kewley, L. J., Levesque, E. M., Nysewander, M., Tanvir, N. R., Dahlen, T., Bersier, D., Wiersema, K., Bonfield, D. G., Martinez-Sansigre, A.: 2009, *GRB 070714B-Discovery of the highest spectroscopically confirmed short burst redshift,* Astrophysical Journal, **698**, 1620.
9. Nemouchi, M., Godefroid, M. R.: 2009, *Irreducible tensor form of the relativistic corrections to M1 transition operator,* Journal of Physics B, **42**, 175002.
10. Kovačević, J.: 2009, *The Fe II, [O III] and C IV emission regions in spectra of active galactic nuclei,* Proceedings of the XV National Conference of Astronomers of Serbia, eds. O. Atanacković, Z. Cvetković, D. Ilić, Publications of the Astronomical Observatory of Belgrade, No. 86, 407.
11. Popović, L. Č., Smirnova, A. A., Kovačević, J., Moiseev, A. V., Afanasiev, V. L.: 2009, *Three-dimensional spectroscopic study of the line-emitting regions of Mrk 493,* Astronomical Journal, **137**, 3548.
12. Schulze, A., Wisotzki, L., Husemann, B.: 2009, *Low redshift AGN in the Hamburg/ESO survey. I. The local AGN luminosity function*, Astronomy and Astrophysics, **507**, 781.
13. Wang, J., Mao, Y. F., Wei, J. Y.: 2009, *Accretion Properties of a Sample of Hard X-Ray (<60 keV) Selected Seyfert 1 Galaxies*, Astronomical Journal, 137, 3388.
14. Gutierrez, C. M., Lopez-Corredoira, M.: 2010, *The Value of the Fine Structure Constant Over Cosmological Times,* Astrophysical Journal, **713**, 46.
15. Popović, L. Č., Jovanović, P.: 2010, *Spectral line shapes as a tool for investigation of kinematics and physics of plasma in quasars,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 44.
16. Han XuHui, Wang Jing, Wei JianYan, Yang DaWei, Hou JinLiang: 2011, *Detecting the intrinsic Baldwin Effect of the optical FeII complex in Lu-*

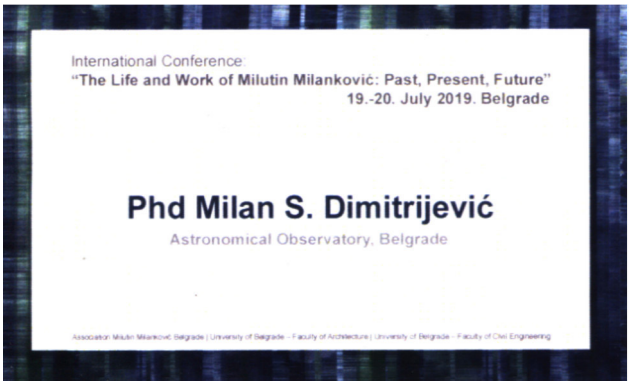
minous Seyfert 1 Galaxy Fairall 9, Science China Physics, Mechanics and Astronomy, **54**, 346.
17. Kovačević, J.: 2011, *Spectral Properties of AGN with Very Weak [O III] Lines,*Serbian Astronomical Journal **182**, 17.
18. Popović, L. Č., Kovačević, J.: 2011, *Optical Emission-line Properties of a Sample of the Broad-line Active Galactic Nuclei: The Baldwin Effect and Eigenvector 1,* Astrophysical Journal, **738**, 68.
19. Zhang, Xue-Guang: 2011, *Evidence for the Intermediate Broad-line Region of Reverberation-mapped Active Galactic Nucleus PG 0052+251,* Astrophysical Journal, **741**, 104.
20. Harrison, C. M., Alexander, D. M., Swinbank, A. M., Smail, Ian, Alaghband-Zadeh, S., Bauer, F. E., Chapman, S. C., Del Moro, A., Hickox, R. C., Ivison, R. J., Menéndez-Delmestre, Karín., Mullaney, J. R., Nesvadba, N. P. H.: 2012, *Energetic galaxy-wide outflows in high-redshift ultraluminous infrared galaxies hosting AGN activity,* Monthly Notices of the Royal Astronomical Society, **426,** 1073.
21. Kovačević, J., Popović, L. Č.: 2012, *The properties of emission lines and their correlations in spectra of Active Galactic Nuclei,* Journal of Physics: Conference Series, **399**, 012023.
22. Popović, L. Č.: 2012, *Super-massive binary black holes and emission lines in active galactic nuclei,* New Astronomy Reviews, **56**, 74. 23. Pozo N. F., Ramolla, M., Westhues, C., Bruckmann, ., Haas, M., Chini, R., Steenbrugge, K., Murphy, M.: 2012, *Photometric reverberation mapping of 3C 120,* Astronomy and Astrophysics, **545**, A84
23. Curtis-Lake, E., McLure, R. J., Dunlop, J. S., Schenker, M., Rogers, A. B., Targett, T., Cirasuolo, M., Almaini, O., Ashby, M. N., Bradshaw, E. J., Finkelstein, S. L., Dickinson, M., Ellis, R. S., Faber, S. M., Fazio, G. G., Ferguson, H. C., Fontana, A., Grogin, N. A., Hartley, W. G., Kocevski, D. D., Koekemoer, A. M., Lai, K., Robertson, B. E., Vanzella, E., Willner, S. P.: 2013, *The ages, masses and star formation rates of spectroscopically confirmed z ˜ 6 galaxies in CANDELS,* Monthly Notices of the Royal Astronomical Society, **429**, 302.
24. Popović, L. Č., Ilić, D.: 2013, *Plasma Conditions in Different Emitting Regions of Active Galactic Nuclei*, Space Plasma Physics, eds. Zhelyazkov, I., Mishonov, T., AIP Conference Proceedings, **1551**, 19.
25. Shapovalova, A. I., Popović, L. Č., Burenkov, A. N., Chavushyan, V. H., Ilić, D., Kollatschny, W., Kovačević, A., Bochkarev, N. G., Valdés, J. R., Torrealba, J., Patiño-Álvarez, V., León-Tavares, J., Benitez, E., Carrasco, L., Dultzin, D., Mercado, A., Zhdanova, V. E.: 2013, *Spectral optical monitoring of a double-peaked emission line AGN Arp 102B. Variability of spectral lines and continuum,* Astronomy and Astrophysics, **559**, A10.
26. Schirmer, M., Diaz, R., Holhjem, K., Levenson, N. A., Winge, C: 2013, *A Sample of Seyfert-2 Galaxies with Ultraluminous Galaxy-wide Nar-*

row-line Regions: Quasar Light Echoes?, Astrophysical Journal, **763**, 60.
27. Harrison, C. M., Alexander, D. M., Mullaney, J. R., Swinbank, A. M.: 2014, *Kiloparsec-scale outflows are prevalent among luminous AGN: outflows and feedback in the context of the overall AGN population*, Monthly Notices of Royal Astronomical Society, **441**, 3306.
28. Kovačević-Dojčinović Jelena, Popović Luka Č.: 2015, *The Connections Between the UV and Optical Fe ii Emission Lines in Type 1 AGNs*, Astrophysical Journal Supplement, **221**, 35.
29. Popović, L. Č., Shapovalova, A. I., Ilić, D., Burenkov, A. N., Chavushyan, V. H., Kollatschny, W., Kovačević, A., Valdés, J. R., León-Tavares, J., Bochkarev, N. G., Patiño-Álvarez, V., Torrealba, J.: 2014, *Spectral optical monitoring of the double-peaked emission line AGN Arp 102B. II. Variability of the broad line properties*, Astronomy and Astrophysics, **572**, A66.
30. Dominic Lagrois, Gilles Joncas, Laurent Drissen, Thomas Martin, Laurie Rousseau-Nepton, Alexandre Alarie: 2015, *An optical investigation of the Dumbbell planetary nebula (M27, NGC 6583)*, Monthly Notices of the Royal Astronomical Society, **448**, 1584.
31. Tremou, E., Garcia-Marin, M., Zuther, J., Eckart, A., Valencia-Schneider, M., Vitale, M., Shan, C.: 2015, *A low-luminosity type-1 QSO sample. III. Optical spectroscopic properties and activity classification*, Astronomy and Astrophysics, **580**, A113.
32. Zhang, Xue-Guang: 2015, *Are the broad optical Balmer lines in PG 1613+658 from the central accretion disc?*, Monthly Notices of the Royal Astronomical Society, **447**, L35.
33. Sulentic, J. W., Martínez-Carballo, M. A., Marziani, P., del Olmo, A., Stirpe, G. M., Zamfir, S., Plauchu-Frayn, I.: 2015, *3C 57 as an atypical radio-loud quasar: implications for the radio-loud/radio-quiet dichotomy*, Monthly Notices of the Royal Astronomical Society, **450**, 1916.
34. Balmaverde, B., Marconi, A., Brusa, M., Carniani, S., Cresci, G., Lusso, E., Maiolino, R., Mannucci, F., Nagao, T.: 2016, *Is there any evidence that ionized outflows quench star formation in type 1 quasars at z < 1?,* Astronomy and Astrophysics, **585**, A148.
35. Harrison, C. M., Alexander, D. M., Mullaney, J. R., Stott, J. P., Swinbank, A. M., Arumugam, V., Bauer, F. E., Bower, R. G., Bunker, A. J., Sharples, R. M.: 2016, *The KMOS AGN Survey at High redshift (KASHz): the prevalence and drivers of ionized outflows in the host galaxies of X-ray AGN*, Monthly Notices of the Royal Astronomical Society, **456**, 1195.
36. Marziani, P., Sulentic, J. W., Stirpe, G. M., Dultzin, D., Del Olmo, A., Martínez-Carballo, M. A.: 2016, *Blue outliers among intermediate redshift quasars,* Astrophysics and Space Science, **361**, 3.
37. Kakkad, D., Mainieri, V., Padovani, P., Cresci, G., Husemann, B., Carniani, S., Brusa, M., Lamastra, A., Lanzuisi, G., Piconcelli, E., Schramm, M.:

2016, *Tracing outflows in the AGN forbidden region with SINFONI,* Astronomy and Astrophysics, **592**, A148.
38. Runco Jordan N., Cosens Maren, Bennert Vardha N., Scott Bryan, Komossa S., Malkan Matthew A., Lazarova Mariana S., Auger Matthew W., Treu Tommaso, Park Daeseong: 2016, *Broad Hβ Emission-line Variability in a Sample of 102 Local Active Galaxies*, Astrophysical Journal **821**, 33.
39. Saito Yuriko, Imanishi Masatoshi, Minowa Yosuke, Morokuma Tomoki, Kawaguchi Toshihiro, Sameshima Hiroaki, Minezaki Takeo, Oi Nagisa, Nagao Tohru, Kawatatu Nozomu, Matsuoka Kenta: 2016, *Near-infrared spectroscopy of quasars at z ~ 3 and estimates of their supermassive black hole masse,* Publications of the Astronomical Society of Japan **68**, 1.
40. Shapovalova, A. I., Popović, L. Č., Chavushyan, V. H., Burenkov, A. N., Ilić, D., Kollatschny, W., Kovačević, A., Valdes, J. R., Patino-Alvarez, V., Leon-Tavares, J., Torrealba, J., Zhdanova, V. E.: 2016, *First long-term optical spectro-photometric monitoring of a binary black hole candidate E1821+643: I. Variability of spectral lines and continuum,* Astrophysical Journal Supplement Series, **222**, 25.
41. Wen-Juan Liu, Hong-Yan Zhou, Ning Jiang, Xufen Wu, Jianwei Lyu, Xiheng Shi, Xinwen Shu, Peng Jiang, Tuo Ji, Jian-Guo Wang, Shu-Fen Wang, Luming Sun: 2016, *SDSS J163459.82+204936.0: A Ringed Infrared-luminous Quasar with Outflows in Both Absorption and Emission Lines,* Astrophysical Journal, **822**, 64.
42. Wesson, R. Stock, D. J., Scicluna, P.: 2016, *The probability distribution functions of emission line flux measurements and their ratios*, Monthly Notices of the Royal Astronomical Society, **459**, 3475.
43. Lakićević Maša, Kovačević-Dojčinović Jelena, Popović Luka Č.: 2017, *The optical versus mid-infrared spectral properties of 82 Type 1 AGNs: coevolution of AGN and starburst*, Monthly Notices of the Royal Astronomical Society, **472**, 334.
44. Negrete Alenka C., Dultzin Deborah, Marziani Paola, Sulentic Jack W., Esparza-Arredondo Donají, Martínez-Aldama Mary L., Del Olmo Ascensión: 2017, *Quasars as Cosmological Standard Candles*, Frontiers in Astronomz and Space Sciences, **4**, 59.
45. Wen-Juan Liu, Lei Qian, Xiao-Bo Dong, Ning Jiang, Paulina Lira, Zheng Cai, Feige Wang, Jinyi Yang, Ting Xiao, Minjin Kim: 2017, *A Ringed Dwarf LINER 1 Galaxy Hosting an Intermediate-mass Black Hole with Large-scale Rotation-like Ha Emission,* Astrophysical Journal, **837**, 109.
46. Zhang Shaohua, Zhou Hongyan, Shi Xiheng, Liu Wenjuan, Pan Xiang, Jiang Ning, Ji Tuo, Jiang Peng, Wang Shufen: 2017, *Reddening and He I λ10830 Absorption Lines in Three Narrow-line Seyfert 1 Galaxies,* Astrophysical Journal, **845**, 126.
47. Kakkad, D., Groves, B., Dopita, M., Thomas, A. D., Davies, R. L., Mainieri, V., Kharb, P., Scharwächter, J., Hampton, E. J., Ho, I.-T.: 2018,

Spatially resolved electron density in the narrow line region of z < 0.02 radio AGNs, Astronomy and Astrophysics, **618**, A6.
48. Kang Daeun, Woo Jong-Hak: 2018, *Unraveling the Complex Structure of AGN-driven Outflows*. *III*. *The Outflow Size–Luminosity Relation,* Astrophysical Journal, **864**, 124.
49. Negrete, C. A., Dultzin, D., Marziani, P., Esparza, D., Sulentic, J. W., del Olmo, A., Martínez-Aldama, M. L., García López, A., D'Onofrio, M., Bon, N., Bon, E.: 2018, *Highly accreting quasars: The SDSS low-redshift catalog,* Astronomy and Astrophysics, **620**, A118.
50. Punsly Brian, Marziani Paola, Bennert Vardha N., Nagai Hiroshi, Gurwell Mark A.: 2018, *Revealing the Broad Line Region of NGC 1275: The Relationship to Jet Power,* Astrophysical Journal, **869**, 143.
51. Śniegowska, M., Czerny, B., You, B., Panda, S., Wang, J.-M., Hryniewicz, K., Wildy, C.: 2018, *Properties of active galaxies at the extreme of Eigenvector 1,* Astronomy and Astrophysics, **613**, 38.
52. Devereux Nick: 2019, *Inflowing gas in the central parsec of M81,* Monthly Notices of the Royal Astronomical Society, **488**, 1199.
53. Qiguo Tian, Xiheng Shi, Honglin Lu, Wenjuan Liu, Bo Liu, Peng Jiang, Shaohua Zhang, Hongyan Zhou: 2019, *Galactic-scale Broad Absorption Line Outflow in the Quasar SDSS J144842.45+042403.1,* Astrophysical Journal, **877**, 72.
54. Sexton Remington O., Canalizo Gabriela, Hiner Kyle D., Komossa Stefanie, Treister Ezequie, Dimassimo Sabrina Lyn Hiner: 2019, *Stronger Constraints on the Evolution of the M BH − s* Relation up to z ~ 0.6*, Astrophysical Journal, **878,** 101.
55. Shapovalova, A. I., Popovic, L. Č., Afanasiev, V. L., Ilić, D., Kovačević, A., Burenkov, A. N., Chavushyan, V. H., Marčeta-Mandić, S., Spiridonova, O., Valdes, J. R., Bochkarev, N. G., Patino-Alvarez, V., Carrasco, L., Zhdanova, V. E.: 2019, *Long-term optical spectral monitoring of a changing-look AGN NGC 3516 I: Continuum and broad-line flux variability*, Monthly Notices of the Royal Astronomical Society, **485**, 4790.
56. Bon, N., Marziani, P., Bon, E., Negrete, C. A., Dultzin, D., del Olmo, A., D'Onofrio, M., Martínez-Aldama, M. L.: 2020, *Selection of highly-accreting quasars*. *Spectral properties of Fe II*$_{opt}$ *emitters not belonging to extreme Population A,* Astronomy and Astrophysics, **635**, A151.
57. Devereux Nick: 2021, *The dynamics of the broad-line region in NGC 3227,* Monthly Notices of the Royal Astronomical Society, **500**, 786.
58. Ilić, D., Oknyansky, V., Popović, L. Č., Tsygankov, S. S., Belinski, A. A., Tatarnikov, A. M., Dodin, A. V., Shatsky, N. I., Ikonnikova, N. P., Rakić, N., Kovačević, A., Marčeta-Mandić, S., Burlak, M. A., Mishin, E. O., Metlova, N. V., Potanin, S. A., Zheltoukhov, S. G.: 2020, *A flare in the optical spotted in the changing-look Seyfert NGC 3516,* Astronomy and Astrophysics, **638**, A13.

59. Jun Hyunsung D., Assef Roberto J., Bauer Franz E., Blain Andrew, Díaz-Santos Tanio, Eisenhardt Peter R. M., Stern Daniel, Tsai Chao-Wei, Wright Edward L., Wu Jingwen: 2020, *Spectral Classification and Ionized Gas Outflows in z~2 WISE-selected Hot Dust-obscured Galaxies*, Astrophysical Journal, **888,** 110.
60. Kakkad, D., Mainieri, V., Vietri, G., Carniani, S., Harrison, C. M., Perna, M., Scholtz, J., Circosta, C., Cresci, G., Husemann, B., Bischetti, M., Feruglio, C., Fiore, F., Marconi, A., Padovani, P., Brusa, M., Cicone, C., Comastri, A., Lanzuisi, G., Mannucci, F., Menci, N., Netzer, H., Piconcelli, E., Puglisi, A., Salvato, M., Schramm, M., Silverman, J., Vignali, C., Zamorani, G., Zappacosta, L.: 2020, *SUPER. II. Spatially resolved ionised gas kinematics and scaling relations in z ~ 2 AGN host galaxies, A*stronomy and Astrophysics, **642**, A147.
61. Morishita, T., Stiavelli, M., Trenti, M., Treu, T., Roberts-Borsani, G. W., Mason, C. A., Bradley, L., Coe, D., Ishikawa, Y.: 2020, *SuperBoRG: Exploration of Point Sources at z ~ 8 in HST Parallel Fields*, Astrophysical Journal, **904,** 50.
62. Kovačević Dojčinović Jelena, Lakićević Maša, Popović Luka Č.: 2020, *The signature of the gas outflow in the active galactic nuclei type 2 spectra,* Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 299.



63. Rojas, A. F., Sani, E., Gavignaud, I., Ricci, C., Lamperti, I., Koss, M., Trakhtenbrot, B., Schawinski, K., Oh, K., Bauer, F. E., Bischetti, M., Boissay-Malaquin, R., Bongiorno, A., Harrison, F., Kakkad, D., Masetti, N., Ricci, F., Shimizu, T., Stalevski, M., Stern, D., Vietri, G.: 2020, *BAT AGN Spectroscopic Survey - XIX. Type 1 versus type 2 AGN dichotomy from the point of view of ionized outflows*, Monthly Notices of the Royal Astronomical Society, **491**, 5867.

64. Scholtz, J., Harrison, C. M., Rosario, D. J., Alexander, D. M., Chen, C. -C., Kakkad, D., Mainieri, V., Tiley, A. L., Turner, O., Cirasuolo, M., Sharples, R. M., Stach, S.: 2020, *KASHz: No evidence for ionised outflows instantaneously suppressing star formation in moderate luminosity AGN at z~1.4-2.6,* Monthly Notices of the Royal Astronomical Society, **492**, 3194.
65. Berton Marco, Järvelä Emilia: 2021, *Jet-Induced Feedback in the [O III] Lines of Early Evolution Stage Active Galactic Nuclei,* Universe, **7**, 188.
66. Berton, M., Peluso, G., Marziani, P., Komossa, S., Foschini, L., Ciroi, S., Chen, S., Congiu, E., Gallo, L. C., Björklund, I., Crepaldi, L., Di Mille, F., Järvelä, E., Kotilainen, J., Kreikenbohm, A., Morrell, N., Romano, P., Sani, E., Terreran, G., Tornikoski, M., Vercellone, S., Vietri, A.: 2021, *Hunting for the nature of the enigmatic narrow-line Seyfert 1 galaxy PKS 2004-447*, Astronomy and Astrophysics, **654**, A125.
67. Noterdaeme, P., Balashev, S., Krogager, J. -K., Laursen, P., Srianand, R., Gupta, N., Petitjean, P., Fynbo, J. P. U.: 2021, *KASHz: Down-the-barrel observations of a multi-phase quasar outflow at high redshift. VLT/X-shooter spectroscopy of the proximate molecular absorber at z = 2.631 towards SDSS J001514+184212,* Astronomy and Astrophysics, **646**, A108.
68. Popović, L. Č., Simić, S., Kovačević, A., Ilić, D.: 2021, *Detecting subparsec supermassive binary black holes: Long-term monitoring perspective,* Monthly Notices of the Royal Astronomical Society, **505(4)**, 5192.
69. Scholtz, J., Harrison, C. M., Rosario, D. J., Alexander, D. M., Knudsen, K. K., Stanley, F., Chen Chian-Chou, Kakkad, D., Mainieri, V., Mullaney, J.: 2021, *The impact of ionized outflows from z 2.5 quasars is not through instantaneous in situ quenching: the evidence from ALMA and VLT/SINFONI*, Monthly Notices of the Royal Astronomical Society, **505(4)**, 5469.
70. Tucker, M. A., Shappee, B. J., Hinkle, J. T., Neustadt, J. M. M., Eracleous, M., Kochanek, C. S., Prieto, J. L., Payne, A. V., Galbany, L., Anderson, J. P., Auchettl, K., Auge, C., Holoien Thomas W. -S.: 2021, *An AMUSING look at the host of the periodic nuclear transient ASASSN-14ko reveals a second AGN*, Monthly Notices of the Royal Astronomical Society, **506(4)**, 6014.
71. Zhang Xue-Guang: 2021, *On Strong Correlation between Shifted Velocity and Line Width of Broad Blueshifted [O III] Components in Quasars,* Astrophysical Journal, **909**, 16.
72. Deconto-Machado Alice, del Olmo Ascensión Perea Jaime, Stirpe Giovanna: 2022, *Optical and UV properties of a radio-loud and a radio-quiet Population A quasar at high redshift*, Astronomische Nachrichten, **343**, 210084.
73. Kakkad, D., Sani, E., Rojas, A. F., Mallmann, Nicolas D., Veilleux, S., Bauer, Franz E., Ricci, F., Mushotzky, R., Koss, M., Ricci, C., Treister, E.,

Privon, George C., Nguyen, N., Bär, R., Harrison, F., Oh, K., Powell, M., Riffel, R., Stern, D., Trakhtenbrot, B., Urry, C. M.: 2022, *BASS XXXI: Outflow scaling relations in low redshift X-ray AGN host galaxies with MUSE*, Monthly Notices of the Royal Astronomical Society, **511**, 2105.

74. Laker Mayalen A., Camacho Conner D., Jones Daniel, Moody Joseph: 2022, *The Flux Ratio of the [OIII]λλ5007,4959 Doublet with Redshift,* Symmetry, **14**, 266.
75. Sriram, K., Nour, D., Choi, C. S.: 2022, *Influence of Comptonization region over the ambiance of accretion disc in active galactic nucleus*, Monthly Notices of the Royal Astronomical Society, **510**, 3222.

234. **E**. **Danezis, L**. **Č**. **Popović, E**. **Lyratzi, M**. **S**. **Dimitrijević: 2006, in The Physics of Ionized Gases, 23rd Summer School and International Symposium on the Physics of Ionized Gases, Invited Lerctures, Topical Invited Lectures and Progress Reports, eds**. **Lj**. **Hadžievski, B**. **P**. **Marinković, N**. **S**. **Simonović, American Institute of Physics Conference Proceedings 876, 373 [B 20]**.

1. Stathopoulos, D., Lyratzi, E., Danezis, E., Antoniou, A., Tzimeas, D.: 2012, *A study of the C IV BALs in HiBALQSO spectra*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 375.
2. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

235. **H**. **Elabidi, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2006, New Astronomy 12, 64 [A 184]**.

1. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2007, *Quantum-mechanical calculations of Ne VII spectral line widths*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.
2. Elabidi, H., Sahal-Bréchot, S., Ben Nessib, N.: 2009*, Quantum Stark broadening of 3s–3p spectral lines in Li-like ions; Z-scaling and comparison with semi-classical perturbation theory*, European Physical Journal D **54**, 51.
3. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
4. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.

236. **E**. **Danezis, D**. **Nikolaidis, E**. **Lyratzi, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, A**. **Antoniou, E**. **Theodossiou: 2007, Publications of the Astronomical Society of Japan 59, 827 [A 197]**.

1. Antoniou, A., Stathopoulos, D., Danezis, E., Lyratzi, E.: 2011, *Studying the UV Mg II resonance lines in 20 Be stars*, Baltic Astronomy **20,** 572.
2. Antoniou, A., Danezis, E., Lyratzi, E., Stathopoulos, D.: 2012, *The structure of the Si IV region in Be stars: a study of Si IV spectral lines in Be 68 stars,* Journal of Physics: Conference Series, **399**, 012021.
3. Stathopoulos, Danezis, E., D., Lyratzi, E., Antoniou, A., Tzimeas, D.: 2015, *Multicomponent Analysis of the UV Si IV and C IV Broad Absorption Troughs in BALQSO Spectra: The Examples of J01225+1339 and J02287+0002*, Journal of Astrophysics and Astronomy, **36**, 495.
4. Lyratzi, E.: 2016, *Investigating the reasons of variability in Si IV and C IV broad absorption lines throughts*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 375.
5. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
6. Stathopoulos Dimitrios, Danezis, E., Lyratzi E., Antoniou, A.,, Tzimeas D.: 2017, *On Si IV and C IV broad absorption line variability in the UV spectra of 10 BALQSOs*, Monthly Notices of the Royal Astronomical Society, **486**, 894.
7. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

237. **M**. **S**. **Dimitrijević, M**. **Christova, S**. **Sahal-Bréchot: 2007, Physica Scripta, 75, 809 [A 191]**.

1. Christova, M., Christov, L., Andreev, N.: 2007, *Calculation of shift of Argon lines by elastic collision emitter – Neutral atoms*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.
2. Elabidi, H., Ben Nessib, N., Cornille, M., Dubau, J., Sahal-Bréchot, S.: 2007, *Quantum-mechanical calculations of Ne VII spectral line widths*, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings **938**, 268.

3. Mayo, R., Ortiz, M.: 2008, *Experimental stark widths of six UV lines of ZnII*, Journal of Physics B **41**, 225702.
4. Djurović, S., Konjević, N.: 2009, *On the use of non-hydrogenic spectral limes for low electron density and high pressure plasma diagnostics*, Plasma Sources Science and Technology **18**, 035011.
5. Kunze, H-J: 2009, *Introduction to Plasma Spectroscopy*, Springer Series on Atomic Physics **56**, Springer, Dordrecht.
6. Rouffet, M. E., Wendt, M., Goett, G., Kozakov, R., Schoepp, H., Weltmann, K. D., Uhrlandt, D.: 2010, *Spectroscopic investigation of the high-current phase of a pulsed GMAW process,* Journal of Physics D, **43**, 434003.
7. Mauer, G., Vaßen, R.: 2012, *Plasma Spray-PVD: Plasma Characteristics and Impact on Coating Properties,* Journal of Physics: Conference Series, **406**, 012005.
8. Nomura, K., Kishi, T., Shirai, K., Hirata, Y.: 2013, *3D temperature measurement of tandem TIG arc plasma,* Welding in the World, **57**, 649.
9. Zhu Xi-Ming, Walsh, J. L., Chen Wen-Cong, Pu Yi-Kang: 2012, *Measurement of the temporal evolution of electron density in a nanosecond pulsed argon microplasma: using both Stark broadening and an OES line-ratio method,* Journal of Physics D, **45**, 295201.
10. Majstorović, G. Lj, Ivanović, N. V., Šišović, N. M., Djurović, S., Konjević, N.: 2013, *Ar I and Ne I spectral line shapes for an abnormal glow discharge diagnostics*, Plasma Sources Science and Technology, **22**, 045015.
11. Jovović, J., Konjević, N.: 2014, *Spectroscopic and electric characterization of an atmospheric pressure segmented gas discharge with micro hollow electrodes*, European Physical Journal D, **68**, 60.
12. Zhang Wang, Hua Xueming, Liao Wei, Li Fang, Wang Min: 2014, *Study of metal transfer in CO2 laser+GMAW-P hybrid welding using argon-helium mixtures,* Optics and Laser Technology, **56**, 158.
13. Zhang Wang, Hua Xueming, Liao Wei, Li Fang, Wang Min: 2014, *The effect of the welding direction on the plasma and metal transfer behavior of CO_2 laser + GMAW-P hybrid welding processes,* Optics and Lasers in Engineering **58**, 102.
14. Nikiforov, A. Yu, Leys, Ch, Gonzalez, M. A., Walsh, J. L.: 2015, *Electron density measurement in atmospheric pressure plasma jets: Stark broadening of hydrogenated and non-hydrogenated lines,* Plasma Sources Science and Technology, **24**, 034001.
15. Wei Xiao-Long , Xu Hao-Jun, Li Mn, Su Chen: 2015, *Comparative experiment and spectrometric analysis on characteristics of enclosed inductively coupled plasma* (in Chinese), Spectroscopy and Spectral Analysis **35**, 1383.
16. Zhang, W., Hua, X-M., Liao, W., Li, F., Wang, M.: 2015, *The Effect of Gas Composition on Plasma Behaviour and Droplet Transfer in Hy-*

brid CO2 Laser Pulsed Gas Metal Arc Welding (GMAW-P), Lasers in Engineering, **32**, 1.

17. Lu, X., Naidis, G. V., Laroussi, M., Reuter, S., Graves, D. B., Ostrikov, K.: 2016, *Reactive species in non-equilibrium atmospheric-pressure plasmas: Generation, transport, and biological effects*, Physics Reports **630**, 1.
18. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser--induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
19. Jaafarian, R., Ganjovi, A.: 2019, *Using RF inductive rings to improve the efficiency of a designed pulsed plasma jet*, Indian Journal of Physics, **93**, 799.
20. Mallon Michael, Kühn-Kauffeldt Marina, Marqués José-Luis, Schein Jochen.: 2019, *Time efficient radiation model for determination of plasma parameters in atmospheric plasmas*, Journal of Physics D: Applied Physics **52**, 4140031.

238. **M**. **S**. **Dimitrijević, T**. **Ryabchikova, Z**. **Simić, L**. **Č**. **Popović, M**. **Dačić: 2007, Astron**. **Astrophys**. **469, 681 [A 194]**.

1. Mayo, R., Ortiz, M., Plaza, M.: 2008, *Measured Stark widths of several Ni II spectral lines*, Journal of Physics B **41**, 095702.
2 Lesage, A.: 2008*, Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, 19th International Conference on Spectral Line Shapes, 15-20 June 2008, Valladolid, Spain, Universidad de Valladolid, 28.
3. Lesage, A.: 2008*, Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms*, in Spectral Line Shapes 15, 19th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1058**, 357.
4. Bukvić, S., Djeniže, S., Srećković, A.: 2009, *Line broadening in the Si I, Si II, Si III, and Si IV spectra in the helium plasma*, Astronomy and Astrophysics **508**, 491.
5. Lesage, A.: 2009, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms*. *A critical review of selected data for the period 2001-2007*, New Astronomy Review **52**, 471.
6. Gurell, J., Nilsson, H., Engström, L., Lundberg, H., Blackwell-Whitehead, R., Nielsen, K. E., Mannervik, S.: 2010, *The FERRUM project: laboratory-measured transition probabilities for Cr II*, Astronomy and Astrophysics **511**, 13672.
7. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

8. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
9. Wasson, I. R., Ramsbottom, C. A., Norrington, P. H.: 2010, *Electron-impact Excitation of Cr II: A Theoretical Calculation of Effective Collision Strengths for Optically Allowed Transitions,* Astrophysical A theoretical calculation of collision and effective collision strengths for forbidden transitions, **524**, 35.
10. Bäckström, E., Gurell, J., Royen, P., Mannervik, S., Norlin, L., Blackwell-Whitehead, R., Hartman, H., Nilsson, H.: 2012, *The FERRUM project: metastable lifetimes in Cr II,* Monthly Notices of the Royal Astronomical Society, **420**, 2, 163.
11. Ortiz, M., Mayo-Garcia, R.: 2012, *Experimental oscillator strengths in ReI,* Journal of Physics B **45**, 055701.
12. Duan, B., Bari, M. A., Wu, Z. Q., Yan, J., Li, Y. M.: 2013, *Electron-impact broadening parameters for Be II, Sr II, and Ba II spectral lines,* Astron. Astrophys. **555**, A144.
13. Nilesh Kumar, R., Shiwani, P., Shikha, R., Ashok Kumar, P., Rai, A. K.: 2013, *Effect of Analyte Concentration on the Laser-Induced Plasma Temperature and Electron Density in Liquid Matrix,* Spectroscopy Letters **46**, 218.
14. Aguilera, J. A., Aragón, C., Manrique, J.: 2014, *Experimental Stark widths and shifts of Cr II spectral lines*, Monthly Notices of the Royal Astronomical Society **438**, 841.
15. Manrique, J., Aguilera, J. A., Aragón, C.: 2014, *Experimental Stark parameters of Cr II spectral lines*, Journal of Physics Conference Series, **548**, 012041.
16. Taylor, A. S., Batishchev, O. V.: 2017, *Note: Retrofitting an analog spectrometer for high resolving power in NUV–NIR*, Review of Scientific Instruments, **88**, 116101.
17. Elabidi, Haykel, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
18. Tayal, S. S., Zatsarinny, O.: 2020, *Collision and Radiaive Parameters for Cr II Lines Observed in Stellar and Nebular Spectra,* Astrophysical Journal, **888**, 10.

239. C. Yubero, M. S. Dimitrijević, M. C. Garcia, M. D. Calzada: 2007, Spectrochimica Acta B 62, 169 [A 189].

1. Calzada, M. D.: 2008, Spectroscopy methods applied to the research in plasmas at atmospheric pressure, 24th Summer School and International Symposium on the Physics of Ionized Gases, Journal of Physics: Conference Seies **133**, 012027.
2. Evans, H. E., Day, J. A., Palmer, C. D., Price, W. J., Smith, C. M. M., Tyson, J. F.: 2008, *Atomic spectrometry update*. *Advances in atomic emission,*

absorption, and fluorescence spectrometry, and related techniques, Journal of Analytical Atomic Spectrometry **23**, 889.
3. Nur, Muhammad: 2009, *Koreksi Tekanan Gas Ideal untuk Plasma sebagai Materi Fase ke empat dan Penerapannya pada plasma Argon*, Berkala Fisika, 12 (4), 161.
4. Astapenko, V. A., Demura, A. V., Demchenko, G. V., Potapkin, B. V., Scherbinin, A. V., Umanskii, S. Y., Zaitsevskii, A. V.: 2010*, Estimation of Van der Waals Broadening Coefficients*, in Spectral Line Shapes 16, 20th International Conference on Spectral Line Shapes, AIP Conference Proceedings **1290**, 39.
5. Cho Dae-Won, Na Suck-Joo, Cho Min-Hyun, Lee Jong-Sub: 2010, *Numerical simulation of molten pool flow for various welding parameters in V-groove GMA pipe welding*, Transactions of JWRI (Joining and Welding Research Institute, Osaka University), **39(2)**, 9.
6. Sismanoglu, B. N., Amorim, J., Souza-Correa, J. A., Oliveira, C., Gomes, M. P.: 2010, *Optical emission spectroscopy diagnostics of an atmospheric pressure direct current microplasma jets,* Spectrochimica Acta B **64**, 1287.
7. Sismanoglu, B. N., Caetano, R.: 2010, *Caracterizacao Óptica de Microplasmas na Pressao Atmospherica*, Revista Brasileira de Aplicações de Vácuo, **29**, 25.
8. Sismanoglu, B. N., Grigorov, K. G., Caetano, R., Rezende, M. V. O., Hoyer, Y. D.: 2010, *Spectroscopic measurements and electrical diagnostics of microhollow cathode discharges in argon flow at atmospheric pressure*, European Physical Journal D, **60**, 505.
9. Sismanoglu, B. N., Grigorov, K. G., Santos, R. A., Caetano, R., Rezende, M. V. O., Hoyer, Y. D., Ribas, V. W.: 2010, *Spectroscopic diagnostics and electric field measurements in the near-cathode region of an atmospheric pressure microplasma jet*, European Physical Journal D, **60**, 479.
10. Sismanoglu, B. N., Grigorov, K. G., Caetano, R., Rezende, M. V. O., Hoyer, Y. D.: 2010, *Spectroscopic measurements and electrical diagnostics of microhollow cathode discharges in argon flow at atmospheric pressure*, European Physical Journal D, **60**, 505.
11. Bonifaci, N., Li, Z. L., Denat, A., Atrazhev, V. M., Shakhatov, V. A.: 2011, *Spectroscopic investigations of corona discharge in high pressure helium at 300 K,* European Physical Journal: Applied Physics, **55**, 13809.
12. Demura, A. V., Umanskii, S. Ya., Scherbinin, A. V., Zaitsevskii, A. V., Demchenko, G. V., Astapenko, V. A., Potapkin, B. V.: 2011, *Evaluation of Van der Waals Broadening Data*, nternational Review of Atomic and Molecular Physics, **2**, 109.
13. Hofmann, S., van Gessel, A. F. H., Verreycken, T., Bruggeman, P.: 2011, *Power dissipation, gas temperatures and electron densities of cold atmospheric pressure helium and argon RF plasma jets*, Plasma Sources Science and Technology **20**, 065010.

14. Leins, M., Walker, M., Schulz, A., Schumacher, U., Stroth, U.: 2012, *Spectroscopic Investigation of a Microwave-Generated Atmospheric Pressure Plasma Torch,* Contributions to Plasma Physics, **52**, 615.
15. Muñoz, J., Margot, J., Calzada, M. D.: 2012, *Absorption spectroscopy measurements of argon metastable and resonant atom density in atmospheric pressure Ar-He surface-wave plasmas using a low pressure lamp,* Journal of Applied Physics, **111**, 023303.
16. Bonifaci, N., Aitken, F., Atrazhev, V. M., Shakhatov, V. A., von Haeften, K., Eloranta, J., Vermeulen, V.: 2013, *Spectroscopic investigations of corona discharge in high pressure helium in a wide range of temperatures,* 31st ICPIG, July 14-19, 2013, Granada, Spain.
17. Bruggeman, P., Brandenburg, R.: 2013, *Atmospheric pressure discharge filaments and microplasmas: physics, chemistry and diagnostics*, Journal of Physics D, **46**, 4001.
18. Yubero, C., Garcia, M.C., Varo, M., Martinez, P.: 2013, *Gas temperature determination in microwave discharges at atmospheric pressure by using different Optical Emission Spectroscopy techniques*, Spectrochimica Acta B, **90**, 61.
19. Bruggeman, P. J., Sadeghi, N., Schram, D. C., Linss, V.: 2014, *Gas temperature determination from rotational lines in non-equilibrium plasmas: a review*, Plasma Sources Science and Technology, **23**, 023001.
20. Mendoza, M. A., Rubiano, J. G., Gil, J. M., Rodríguez, R., Florido, R., Espinosa, G., Martel, P., Mínguez, E.: 2014, *Gas temperature determination in microwave discharges at atmospheric pressure by using different Optical Emission Spectroscopy techniques*, Spectrochimica Acta B, **90**, 61.
21. Sarani Abdollah, Cosmina Nicula, Xavier F. Gonzales, Magesh Thiyagarajan: 2014, *Characterization of Kilohertz-Ignited Nonthermal He and He/O 2 Plasma Pencil for Biomedical Applications*, IEEE Transactions on Plasma science, 42, 3148.
22. Wang Zhong, Zhang Gui-Xin, Liu Cheng, Jia Zhi-Dong: 2014, *Comparative Study on Excitation Temperature, Electron Temperature and Electron Density in an Atmospheric Argon Microwave Plasma*, Chinese Physics Letters **31**, 055203.
23. Chen Chuan-Jie, Li Shou-Zhe : 2015, *Spectroscopic measurement of plasma gas temperature of the atmospheric-pressure microwave induced nitrogen plasma torch,* Plasma Sources Science and Technology, **24**, 035017.
24. Dap, S., Leroy, O., Andrieu, J., Boisse-Laporte, C., Leprince, P., Stancu, G. D., Minea, T.: 2015, *Hydrodynamic and thermal effects of continuous microwave-sustained plasma in capillary tubes,* Plasma Sources Science and Technology, **24**, 065007.
25. Wnukowski, M.: 2015, *Rozkład temperatury w reaktorze plazmy mikrofalowej: pomiary i modelowanie,* Zeszyty Energetyczne, **2**, 51.

26. Wu Ang Jian , Hao Zhang, Xiao Dong Li, Sheng Yong Lu, Chang Ming Du, Jian Hua Yan: 2015, *Determination of Spectroscopic Temperatures and Electron Density in Rotating Gliding Arc Discharge*, IEEE Transactions on Plasma Science, **43**, 836.
27. Habib, A. A. M., Aish, M. M.: 2016, *Self-absorption coefficients of sulfur emission lines*, Canadian Journal of Physics, **94**, 122.
28. Sahu, B. B., Han, Jeon G.: 2016, *Comparison of plasma excitation, ionization, and energy influx in single and dual frequency capacitive discharges*, Physics of Plasmas, **23**, 123504.
29. Yashuang Zheng, Lijun Wang, Wenjun Ning, Shenli Jia: 2016, *Schlieren imaging investigation of the hydrodynamics of atmospheric helium plasma jets*, Journal of Applied Physics, **119**, 123301.
30. Zhang Hao, Zhu Feng-sen, Li Xiao-dong , Wu Ang-jian, Bo Zheng, Cen Ke-fa: 2016, *Rotating gliding arc plasma assisted hydrogen production from methane decomposition in argon (*旋转滑动弧氩等离子体裂解甲烷制氢), Journal of Fuel Chemistry and Technology, **44**, 192.
31. Bazavan, M., Teodorescu, M., Dinescu, G.: 2017, *Confirmation of OH as good thermometric species for gas temperature determination in an atmospheric pressure argon plasma jet*, Plasma Sources Science and Technology, **26**, 075001.
32. Jovović Jovica, Stojadinović Stevan, Vasilić Rastko, Tadić Nenad, Šišović Nikola M.: 2017, *The determination of micro-arc plasma composition and properties of nanoparticles formed during cathodic plasma electrolysis of 304 stainless steel*, Europhysics Letters, **118**, 33001.
33. Rodero, A., García, M. C.: 2017, *Gas temperature determination of non-thermal atmospheric plasmas from the collisional broadening of argon atomic emission lines*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 93.
34. Sahu, B. B., Koga, S., Toyoda, H., Han Jeon G.: 2017, *Development and plasma characterization of an 850 Mhz surface-wave plasma source*, AIP Advances, **7**, 105213.
35. Asenjo-Castillo José, Vargas-Blanco Iván: 2018, *Emission spectroscopy of an atmospheric pressure plasma - Espectroscopia de Plasmas en condiciones de presión atmosférica*, Tecnología en Marcha **29,** Número Especial Estudiantes 3, 47.
36. Desjardins, E., Laurent, M., Durocher-Jean, A., Laroche, G., Gherardi, N., Naudé, N., Stafford, L.: 2018, *Time-resolved study of the electron temperature and number density of argon metastable atoms in argon-based dielectric barrier discharges*, Plasma Sources Science and Technology, **27**, 015015.
37. Moisan Michel, Nowakowska Helena: 2018, *Contribution of surface-wave (SW) sustained plasma columns to the modeling of RF and microwave discharges with new insight into some of their features*. *A survey of other types of SW discharges*, Plasma Sources Science and Technology, **27**, 073001.

38. Sheeba Roshin Raj, Koubiti Mohammed, Bonifaci Nelli, Gilleron Franck, Pain Jean-Christophe, Stambulchik Evgeny: 2018, *Broadening of the Neutral Helium 492 nm Line in a Corona Discharge: Code Comparisons and Data Fitting*, Atoms, **6**, 19.
39. Sheeba Roshin Raj, Koubiti Mohammed, Bonifaci Nelli, Gilleron Franck, Mossé Caroline, Pain Jean-Christophe, Rosato Joël, Stambulchik Evgeny: 2018, *H-β Line in a Corona Helium Plasma: A Multi-Code Line Shape Comparison*, Atoms, **6**, 29.
40. Svarnas, P., Papadopoulos, P. K., Athanasopoulos, D., Sklias, K., Gazeli, K., Vafeas, P.: 2018, *Parametric study of thermal effects in a capillary dielectric-barrier discharge related to plasma jet production: Experiments and numerical modelling,* Journal of Applied Physics **124**, 064902.
41. Durocher-Jean Antoine, Desjardins Eduard, Stafford Luc: 2019, *Characterization of a microwave argon plasma column at atmospheric pressure by optical emission and absorption spectroscopy coupled with collisional-radiative modelling,* Physics of Plasmas, **26**, 063516.
42. Erözbek Güngör, Ü: 2019, *The Stark Broadening Parameters of the Nitrogen HF RF-CCPs*, Journal of Physics: Conference Series **1289**, 012012.
43. Iseni, S., Michaud, R., Lefaucheux, P., Sretenović, G. B., Schulz-von der Gathen, V., Dussart, R.: 2019, *On the validity of neutral gas temperature by emission spectroscopy in micro-discharges close to atmospheric pressure*, Plasma Sources Science and Technology, **28**, 065003.
44. Qing Xiong: 2019, *Advanced Optical Diagnostics of Atmospheric Pressure Plasma*, Advanced Optical Diagnostics of Atmospheric Pressure Plasma, DOI: http://dx.doi.org/10.5772/intechopen.85419, Intech Open, 1.
45. Wang Lei, Cvetanović Nikola, Obradović Bratislav, Dinescu Gheorghe, Leys Christophe, Nikiforov Anton Yu: 2019, *Investigation of atmospheric pressure RF discharge with coexisting α and γ-modes*, Plasma Sources Science and Technology **28**, 055010.
46. Garcia Maria C., Yubero Cristina, Rodero, Antonio: 2020*, Measuring the air fraction and the gas temperature in non-thermal argon plasma jets through the study of the air influence on the collisional broadening of some argon atomic emission lines,* Plasma Sources Science and Technology **29**, 055006.
47. Galbács, G., Kéri, A., Kohut, A., Veres, M., Geretovszky, Zs.: 2021, *Nanoparticles in analytical laser and plasma spectroscopy – a review of recent developments in methodology and applications*, Journal of Analytical Atomic Spectrometry, DOI: 10.1039/d1ja00149c
48. Van-Phuoc Thai, Nobuo Saito, Tsubasa Nakamura, Kazumasa Takahashi, Toru Sasaki, Takashi Kikuchi: 2022, *Effect of voltage polarity and supply frequency on the properties of plasma contacting liquid electrodes and gold nanoparticle synthesis*, Plasma Sources Sci. Technol., **31**, 015006.
49. Zunyi Tian, Zhongyu Hou: 2022, *Development of a minimizable pulsed plasma source with structure induced focusability*, Journal of Applied Physics, **131**, 024503.

240. **R**. **Hamdi, N**. **Ben Nessib, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2007, Astrophysical Journal Supplement Series 176, 243 [A 190]**.

1. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
2. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
3. Al-Modlej, A., Alraddadi, R. A. B., Ben Nessib, N.: 2018, *Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V*, European Physical Journal Plus, **133**, 379.

241. **B**. **Zmerli, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2009, *Stark broadening calculations of neutral copper spectral lines*, VII Serbian Conference on Spectral Line Shapes in Astrophysics (VII SCSLSA), Zrenjanin 15-19 June 2009, Book of abstracts, eds**. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, D**. **Jevremović, D**. **Ilić, Serbian Astronomical Society and Astronomical Observatory, Belgrade 2009, 60 [Л 210]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

242. **N**. **Milovanović, M**. **S**. **Dimitrijević: 2007, AIP Conference Proceedings 938, 258 [Д 72]**.

1. Purić, J., Dojčinović, I. P., Nikolić, M., Šćepanović, M., Obradović, B. M., Kuraica, M. M.: 2008, *Stark parameter regularities of multiply charged ion spectral lines originating from the same transition array,* Astrophysical Journal **680**, 803.
2. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.
3. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
4. Pokorný, J.: 2017, *Program processing database data for calculation of spectral lines width and shift in plasma,* Plasma Physics and Technology **4**, 257.

243. **A**. **N**. **Klyucharev, N**. **N**. **Bezuglov, A**. **A**. **Matveev, A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, M**. **S**. **Dimitrijević: R**.**: 2007, New Astronomy Review 51, 547 [A 198]**.

1. Gnedin, Yu. N., Mihajlov, A. A., Ignjatović, Lj. M., Sakan, N. M., Srećković, V. A., Zakharov, M. Yu., Bezuglov, N. N., Klyucharev, A. N.: 2009*, Rydberg atoms in astrophysics,* New Astronomy Review, **53,** 259.
2. Захаров, М. Ю.: 2009, *Динамический хаос, индуцированный нестабильностью траектории валентного электрона ридберговского ато-*

ма в микроволновом поле, Вестник Санкт-Петербургского университета, **4(3)**, 13.
3. Mahmoud, M. A., Gamal, Y. E. E.: 2010, *Effect of energy pooling collisions in formation of a cesium plasma by continuous wave resonance excitation,* Optica Applicata, **40**, 129.
4. Klyucharev, A. N., Bezuglov, N. N., Mihajlov, A. A., Ignjatović, Lj. M.: 2010, *Influence of inelastic Rydberg atom–atom collisional process on kinetic and optical properties of low-temperature laboratory and astrophysical plasmas*, Journal of Physics Conference Series **257**, 012027.
5. Sadykova, S. P., Ebeling, W., Tkachenko, I. M.: 2011, *Static and dynamic structure factors with account of the ion structure for high-temperature alkali and alkaline earth plasmas*, European Physical Journal D **61**, 117.
6. Efimov, D. K., Zaharov, M. Yu., Bezuglov, N. N., Mihajlov, A. A., Klyucharev, A. N.: 2012, *Anomalies in the Rydberg Atom Emission Spectra of Astrophysical Relevance,* International Conference on Spectral Line Shapes, Sankt Petersburg, June 3-9, 2012, 56.
7. El-Hameid Mahmoud Mohamed Abd, El Din Gamal Yosr Ez: 2012, *Computational Study of Resonantly Ionizing Rubidium Vapor by Nanosecond Laser Pulses,* Journal of Modern Physics, **3**, 927.
8. Bezuglov, N. N., Golubkov, G. V., Klyucharev, A. N.: 2013, *Ionization of Excited Atoms in Thermal Collisions*, The Atmosphere and Ionosphere, Elementary Processes, Discharges and Plasmoids, Eds. Vladimir Bychkov, Gennady Golubkov, Anatoly Nikitin, 1-60.
9. Vogel, J. S.: 2013, *Neutral Resonant Ionization In The High-Intensity Cesium Sputter Source,* Third International Symposium On Negative Ions, Beams And Sources (NIBS 2012), **Eds**. Tarvainen O., Kalvas T., AIP Conference Proceedings, **1515**, 89.
10. Bezuglov, N. N., Klyucharev, A. N., Mihajlov, A. A., Srećković, V. A.: 2014, *Anomalies in radiation-collisional kinetics of Rydberg atoms induced by the effects of dynamical chaos and the double Stark resonance*, Advances in Space Research, **54**, 1159.
11. Gnedin, Yu. N., Piotrovich, M. Yu., Klyucharev, A. N.: 2015, *Rydberg States of Atoms and Molecules in the Atmospheres of Very Cool Stars with Magnetic Fields,* in Physics and Evolution of Magnetic and Related Stars, eds. Kudryavtsev, D. O., Balega, Yu. Yu., Romanyuk, I. I., ASP Conference Series, **494**, 261.
12. Mahmoud, M. A., Gamal, Y. E. E.: 2015, *Kinetics of Ion Formation in Rubidium Vapour Excited by Nanosecond Resonant Laser Pulses*, 32nd ICPIG, July 26-31, 2015, Iaşi, Romania.
13. Mahmoud, M. A., Khedr, M. A., Nady, M.: 2015, *Ionization of lithium vapor by nanosecond resonant laser pulses tuned to 2S -> 2P transition*, Indian Journal of Physics, **89**, 743.

14. Bezuglov, N. N., Golubkov, G. V., Klyucharev, A. N.: 2017, *Rydberg Atoms: From Determinism to Chaos*, Russian Journal of Physical Chemistry B, **11**, 912.
15. K. Kowalski: 2017, *Rydberg Atoms: From Determinism to Chaos*, Russian Journal of Physical Chemistry B, **11**, 912.
16. Alaa Mazalam, Michulis K., Beterov I. I., Bezuglov, N. N., Klyucharev A. N., Ekers A.: 2019, *The Optimal Pair of Rydberg Alkali-Metal Atoms in the Nonsymmetric Penning Ionization Processes,* Optics and Spectroscop, **127**, 375.
17. Głódź , M., Huzandrova, A., Magnier, S., Petrov, L., Sydoryk, I., Szonert, J., Klavins, J.: 2019, *Energy transfer reaction K(4s) + K(7s) → K(4s) + K(5f), theory compared with experiment*, Journal of Quantitative Spectroscopy and Radiative Transfer, **227**, 152.

244. **A**. **A**. **Mihajlov, D**. **Jevremović, P**. **Hauschildt, M**. **S**. **Dimitrijević, Lj**. **M**. **Ignjatović, F**. **Alard: 2007, Astronomy and Astrophysics 471, 671 [A 196]**.
1. Bohr, Alex, Blickle, Andrew, Paolini, Stephen, Ohlinger, Luke, Forrey, Robert C.: 2012, *Ionization in collisions between metastable hydrogen atoms*, Physical Review A **85** (2012) 042710.
2. Rej Pramit, Ghoshal Arijit: 2014*, Rydberg transitions for positron–hydrogen collisions: asymptotic cross section and scaling law,* Journal of Physics B **47**, 015204.

245. **B**. **Zmerli, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2007, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds**. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, American Institute of Physics Conference Proceedings 938, 245 [B 22]**.
1. Zenkhri, D. E., Meftah, M. T., Khelfaoui, F.: 2021, *Effect of Deutsch interaction on the spectral line broadening in plasmas: Ly-α case for hydrogenic ions*, Optik, **240**, 166869.

246. **E**. **Danezis, A**. **Antoniou, E**. **Lyratzi, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, D**. **Nikolaidis: 2007, in "Spectral Line Shapes in Astrophysics": VI Serbian Conference (VI SCSLSA), Eds**. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, American Institute of Physics Conference Proceedings 938, 119 [B 23]**.
1. Stathopoulos, D., Lyratzi, E., Danezis, E., Antoniou, A., Tzimeas, D.: 2012, *A study of the C IV BALs in HiBALQSO spectra*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 375.
2. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

247. **E**. **Lyratzi, E**. **Danezis, M**. **S**. **Dimitrijević, L**. **Č**. **Popović, D**. **Nikolaidis, A**. **Antoniou: 2007, in "Spectral Line Shapes in Astrophysics": VI Serbian**

Conference (VI SCSLSA), Eds. L. Č. Popović, M. S. Dimitrijević, American Institute of Physics Conference Proceedings 938, 176 [Д 66].

1. Stathopoulos, D., Lyratzi, E., Danezis, E., Antoniou, A., Tzimeas, D.: 2012, *A study of the C IV BALs in HiBALQSO spectra*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 375.

248. A. A. Mihajlov, Lj. M. Ignjatović, N. M. Sakan, M. S. Dimitrijević: 2007, Astronomy and Astrophysics 469, 749 [A 193].

1. Fontenla, J. M., Curdt, W., Haberreiter, M., Harder, J., Tian, H: 2009, *Semiempirical Models of the Solar Atmosphere. III. Set of Non-LTE Models for Far-Ultraviolet/Extreme-Ultraviolet Irradiance Computation,* Astrophysical Journal, **707**, 482.
2. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.
3. Coppola, C. M., Galli, D., Palla, F., Longo, S., Chluba, J.: 2013, *Non-thermal photons and H_2 formation in the early Universe*, Monthly Notices of the Royal Astronomical Society, **434**, 114.
4. Han Alex C., Shapiro Moshe, Brumer Paul: 2013, *Nature of Quantum States Created by One Photon Absorption: Pulsed Coherent vs Pulsed Incoherent Light*, Journal of Physical Chemistry A, **117**, 8199.
5. Sugimura Kazuyuki, Omukai Kazuyuki, Inoue Akio K.: 2014, *The critical radiation intensity for direct collapse black hole formation: dependence on the radiation spectral shape*, Monthly Notices of the Royal Astronomical Society, **445**, 544.
6. Baab, J. F.: 2015, *State resolved data for radiative association of H and H^+ and for photodissociation of H^+,* Astrophysical Journal Supplement Series, **216**, 21.
7. Coppola, C. M., Mizzi, G., Bruno, D., Esposito, F., Galli, D., Palla, F., Longo, S.: 2016, *State-to-state vibrational kinetics of H2 and H_2^+ in a post-shock cooling gas with primordial composition,* Monthly Notices of the Royal Astronomical Society, **457**, 3732.
8. Sugimura, K., Coppola, C. M., Omukai, K., Galli, D., Palla, F.: 2016, *Role of the H_2^+ channel in the primordial star formation under strong radiation field and the critical intensity for the supermassive star formation,* Monthly Notices of the Royal Astronomical Society, **456**, 270.

249. R. Hamdi, N. Ben Nessib, N. Milovanović, L. Č. Popović, M. S. Dimitrijević, S. Sahal-Bréchot: 2008, Monthly Notices of the Royal Astronomical Society, 387, 871 [A 201].

1. Ben Nessib, N.: 2009*, Ab initio calculations of Stark broadening parameters,* New Astronomy Review, **53,** 255.

2. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

250. **L**. **Č**. **Popović, M**. **S**. **Dimitrijević, Z**. **Simić, M**. **Dačić, A**. **Kovačević, S**. **Sahal-Bréchot: 2008, New Astronomy, 13, 85 [A 199]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
2. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
3. Manrique, J., Aragón, C., Aguilera, J. A.: 2019, *Experimental Stark widths and shifts of Mn II spectral lines*, Monthly Notices of the Royal Astronomical Society, **482**, 1931.

251. **M**. **S**. **Dimitrijević, E**. **Th**. **Theodossiou, P**. **Z**. **Mantarakis: 2008, Journal of Astronomical History and Heritage 11, 50 [A 200]**.

1. El-Bayeh Claude Ziad, Zellagui Mohamed, Brahmi Brahim: 2021, *Novel Optimal Perennial Calendar Systems vs Gregorian Calendar and Their Impact on the Energy Demand and the Environment*, Energy, Environment and Storage 01-03-20-33.

252. **Z**. **Simić, M**. **S**. **Dimitrijević, L**. **Č**. **Popović, M**. **Dačić, A**. **Kovačević, S**. **Sahal-Bréchot: 2008,Contributions to the Astronomical Observatory Skalnate Pleso 38, 451 [Ъ 19]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

253. **Z**. **Simić, M**. **S**. **Dimitrijević, A**. **Kovačević, M**.. **Dačić: 2008, 24th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2008, Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports, eds**. **G**. **Malović, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, Publications of the Astronomical Observatory of Belgrade 84, 487 [З 218]**.

1. Alonso-Medina, A., Colón, C.: 2011, *Stark broadening of Sn III spectral lines of astrophysical interest, Prediction and Regularities,* Monthly Notices of the Royal Astronomical Society **414**, 713.
2. Alonso-Medina, A., Colón, C.: 2011, *Stark broadening of Ca IV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **445**, 1567.
3. de Andrés-García, I., You, C., Alonso-Medina, A., Colón, C.: 2016, *Theoretical study of the Stark broadening for Mg IV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **462**, 4220.

4. Scheers, J., Schupp, R., Meijer, R., Ubachs, W.,1Hoekstra, R., Versolato, O. O.: 2020, *Time- and space-resolved optical Stark spectroscopy in the afterglow of laser-produced tin-droplet plasma,* Physical Review E **102**, 013204.

254. **B**. **Zmerli, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2008, European Journal of Physics D 48, 389 [A 202]**.

1. Elabidi, H., S.Sahal-Bréchot, S.: 2011, *Checking the dependence on the upper level ionization potential of electron impact widths using quantum calculations,* European Physical Journal D, **61**, 285.
2. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
3. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
4. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas,* Optik - International Journal for Light and Electron Optics, **202**, 163485.

255. **E**. **Th**. **Theodossiou, V**. **N**. **Manimanis, M**. **S**. **Dimitrijević, E**. **Danezis: 2008, in "Exploring the Solar System and the Universe", Eds**. **V**. **Mioc, C**. **Dumitrache, N**. **Popescu, American Institute of Physics Conference Proceedings 1043, 74 [Д 85]**.

1. Hill Peter: 2015, *The first Arabic translations of Enlightenment literature: The Damietta circle of the 1800s and 1810s,* Intellectual History Review , **25**, 209.

256. **Milan S**. **Dimitrijević: 2008, Proceedings of the Scientific Meeting "Djordje Stanojević - his life and works - the 150th anniversary of his birth", Serbian Academy of Sciences and Arts, Branch in Novi Sad, Novi Sad, Serbia, 9 [J 85]**.

1. Janc Natalija, Gavrilov Milivoj B.: 2017, *History of Hail Suppression in Serbia,* Lambert Academic Publishing.

257. **Milan S**. **Dimitrijević: 2008, Proceedings of the Scientific Meeting "Djordje Stanojević - his life and works - the 150th anniversary of his birth", Serbian Academy of Sciences and Arts, Branch in Novi Sad, Novi Sad, Serbia, 59 [J 86]**.

1. Janc Natalija, Gavrilov Milivoj B.: 2017, *History of Hail Suppression in Serbia,* Lambert Academic Publishing.

258. **J**. **Muñoz, M**. **S**. **Dimitrijević, C**. **Yubero, M**. **D**. **Calzada: 2009, Spectrochimica Acta B 64, 167 [A 203]**.

1. Muñoz, J., Calzada, M. D.: 2010, *Experimental study on equilibrium deviations in atmospheric pressure argon/helium surface wave discharges,* Spectrochimica acta B, **65**, 1014.

2. Wagatsuma, K.: 2010, *Emission Spectroscopic Study on Gas-Gas Interactions in Glow Discharge Plasmas Using Several Binary Gas Mixtures,* Analytical Sciences **26**, 303.
3. Bonifaci, N., Li, Z. L., Denat, A., Atrazhev, V. M., Shakhatov, V. A.: 2011, *Spectroscopic investigations of corona discharge in high pressure helium at 300 K,* European Physical Journal: Applied Physics, **55**, 13809.
4. Muñoz, J., Margot, J., Calzada, M. D.: 2012: 2011, *Absorption spectroscopy measurements of argon metastable and resonant atoms densities in atmospheric pressure Ar-He surface-wave plasmas,* 30 th ICPIG, August 28 th – September 2 nd 2011, Belfast, Northern Ireland, UK, 414-C9.
5. Wagatsuma, K.: 2011, *Excitation Mechanism of Silver Ionic Lines Through Collisions with Metastable Atoms of Plasma Gas in a Glow-Discharge Plasma,* Spectrochimica acta B, **64**, 167.
6. Jamroz, P., Pohl, P., Zyrnicki, W.: 2012, *Spectroscopic evaluation of a low power atmospheric pressure mixed argon-helium microwave induced plasma combined wirth the chemical generation of volatile species for the optical emission spectrometric determination of arsenic, antimony and mercury,* Journal of Analytical Atomic Spectrometry, **27**, 1772.
7. Muñoz, J., Margot, J., Calzada, M. D.: 2012, *Absorption spectroscopy measurements of argon metastable and resonant atom density in atmospheric pressure Ar-He surface-wave plasmas using a low pressure lamp,* Journal of Applied Physics, **111**, 023303.
8. Bonifaci, N., Aitken, F., Atrazhev, V. M., Shakhatov, V. A., von Haeften, K., Eloranta, J., Vermeulen, V.: 2013, *Spectroscopic investigations of corona discharge in high pressure helium in a wide range of temperatures,* 31st ICPIG, July 14-19, 2013, Granada, Spain.
9. Rincón, R., Muñoz, J., Sáez, M., Calzada, M. D.: 2013, *Spectroscopic characterization of atmospheric pressure argon plasmas sustained with the Torche à Injection Axiale sur Guide d'Ondes,* Spectrochimica acta B, **81**, 26.
10. Yubero, C., Garcia, M.C., Varo, M., Martinez, P.: 2013, *Gas temperature determination in microwave discharges at atmospheric pressure by using different Optical Emission Spectroscopy techniques*, Spectrochimica Acta B, **90**, 61.
11. Burger, Miloš, Skočić, Miloš, Ljubisavljević, Milan, Nikolić, Zoran, Djeniže, Stevan: 2014, *Spectroscopic study of the laser-induced indium plasma*, European Physical Journal D, **68**, 223.
12. Hnilica, J., Kudrle, V.: 2014, *Time-resolved study of amplitude modulation effects in surface-wave atmospheric pressure argon plasma jet,* Journal of Physics D: Applied Physics, **47**, 085204.
13. Rincón, R., Jimenez, M., Muñoz, J., Sáez, M., Calzada, M. D.: 2014, *Hydrogen Production from Ethanol Decomposition by Two Microwave Atmospheric Pressure Plasma Sources: Surfatron and TIAGO Torch,* Plasma Chemistry and Plasma Processing, **34**, 145.

14. Silva Tiago, Britun Nikolay, Godfroid Thomas, Snyders Rony: 2014, *Simple method for gas temperature determination in CO2-containing discharges,* Optics Letters **39,** 6146.
15. Bravo, J. A., Rincón, R., Muñoz, J., Sánchez, A., Calzada, M. D.: 2015, *Spectroscopic Characterization of Argon–Nitrogen Surface-Wave Discharges in Dielectric Tubes at Atmospheric Pressure,* Plasma Chemistry and Plasma Processing, **35**, 993.
16. Hnilica, J., Potočnakova, L., Kudrle, V.: 2015, *Time resolved optical emission spectroscopy in power modulated atmospheric pressure plasma jet,* Open Chemistry, **13**, 577.
17. Li Shou-Zhe, Chen Chuan-Jie, Zhang Xin, Zhang Jialiang, Wang Yong-Xing: 2015, *Spectroscopic diagnosis of an atmospheric-pressure waveguide-based microwave N2--Ar plasma torch*, Plasma Sources Science and Technology, **24**, 025003
18. Nur, M., Bonifaci, N., Denat, A., Atrazhev, V. M.: 2015, *Broadening of the Spectral Atomic Lines Analysis in High Density Argon Corona Plasma by Using Voigt Profile*, Journal of Physics Conference Series, **622**, 012055.
19. Potočnakova, L., Hnilica, J., Kudrle, V.: 2015, *Spatially resolved spectroscopy of an atmospheric pressure microwave plasma jet used for surface treatment,* Open Chemistry, **13**, 541.
20. Chen Chuan-Jie, Li Shou-Zhe : 2015, *Spectroscopic measurement of plasma gas temperature of the atmospheric-pressure microwave induced nitrogen plasma torch,* Plasma Sources Science and Technology, **24**, 035017.
21. Wu Ang Jian , Hao Zhang, Xiao Dong Li, Sheng Yong Lu, Chang Ming Du, Jian Hua Yan: 2015, *Determination of Spectroscopic Temperatures and Electron Density in Rotating Gliding Arc Discharg*, IEEE Transactions on Plasma Science, **43**, 836.
22. Rincón, R., Marinas, A., Muñoz, J., Melero, C., Calzada, M. D.: 2016, *Experimental research on ethanol-chemistry decomposition routes in a microwave plasma torch for hydrogen production*, Chemical Engineering Journal, **284**, 1117.
23. Rodero, A., García, M. C.: 2017, *Gas temperature determination of non-thermal atmospheric plasmas from the collisional broadening of argon atomic emission lines*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 93.
24. Valinataj Omran A., Sohbatzadeh, F., Siadati, S. N., Hosseinzadeh Colagar, A., Akishev, Y., Arefi-Khonsari, F.: 2017, *Single channel atmospheric pressure transporting plasma and plasma stream demultiplexing: physical characterization and application to E. coli bacteria inactivation*, Journal of Physics D: Applied Physics, **50**, 315202.
25. Zheng Lina, Kulkarni Pramond: 2017, *Rapid Elemental Analysis of Aerosols Using Atmospheric Glow Discharge Optical Emission Spectroscopy*, Analytical Chemistry, **89**, 6551.

26. Chen Chuan-Jie, Li Shou-Zhe, Zhang Jialiang, Liu Dongping: 2018, *Temporally resolved diagnosis of an atmospheric-pressure pulse-modulated argon surface wave plasma by optical emission spectroscopy*, Journal of Physics D: Applied Physics, **51**, 025201.
27. Cvetanović Nikola, Galmiz Oleksandr, Synek Petr, Zemánek Miroslav, Brablec Antonín, Hoder Tomáš: 2018, *Electron density in surface barrier discharge emerging at argon/water interface: quantification for streamers and leaders*, Plasma Sources Science and Technology **27**, 025002.
28. Diyu Zhang, Qiang Huang, Edwin J. Devid, Eric Schuler, N. Raveendran Shiju, Gadi Rothenberg, Gerard van Rooij, Ruilong Yang, Kezhao Liu, Aart W. Kleyn: 2018, *Tuning of Conversion and Optical Emission by Electron Temperature in Inductively Coupled CO_2 Plasma*, Journal of Physical Chemistry C, **122**, 19338.
29. Sheeba Roshin Raj, Koubiti Mohammed, Bonifaci Nelli, Gilleron Franck, Mossé Caroline, Pain Jean-Christophe, Rosato Joël, Stambulchik Evgeny: 2018, *H-β Line in a Corona Helium Plasma: A Multi-Code Line Shape Comparison*, Atoms, **6**, 29.
30. Svarnas, P., Papadopoulos, P. K., Athanasopoulos, D., Sklias, K., Gazeli, K., Vafeas, P.: 2018, *Parametric study of thermal effects in a capillary dielectric-barrier discharge related to plasma jet production: Experiments and numerical modelling,* Journal of Applied Physics **124**, 064902.
31. Erözbek Güngör, Ü: 2019, *The Stark Broadening Parameters of the Nitrogen HF RF-CCPs*, Journal of Physics: Conference Series **1289**, 012012.
32. Kronholm, R., Kalvas, T., Koivisto, H., Laulainen, J., Marttinen, M., Sakildien, M., Tarvainen, O.: 2019, *Spectroscopic study of ion temperature in minimum-B ECRIS plasma,* Plasma Sources Science and Technology, **28**, 075006.
33. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 2019, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
34. Jun Sup Lim, Young June Hong, Bhagirath Ghimire, Jinsung Choi, Sohail Mumtaz, Eun Ha Choi: 2021, *Measurement of electron density in transient spark discharge by simple interferometry*, Results in Physics **20**, 103693.

259. G. Peach, M. S. Dimitrijević, P. C. Stancil: 2009, Division XII / Commission 14 / Working Group Collision Processes, Transactions IAU, Volume 4, Issue 27A, Reports on Astronomy 2006-2009, Edited by Karel van der Hucht, Cambridge University Press, 385 [Д 95].

1. W Ram, R. S., Wallace, L., Hinkle, K., Bernath, P. F.: 2010, *Fourier Transform Emission Spectroscopy of the A $^2\Pi$-X $^2\Sigma^+$ (Red) System of $^{13}C^{14}N$,* Astrophysical Journal Supplement, **188**, 500.
2. Gigosos, M. A., Djurović, S., Savić, I., González-Herrero, D., Mijatović, Z., Kobilarov, R.: 2014, *Stark broadening of lines from transition between*

states n = 3 to n = 2 in neutral helium. *An experimental and computer-simulation study*, Astronomy and Astrophysics, **561**, A135.

3. Alexander, J., Gulyaev, S.: 2016, *Stark Broadening of High-order Radio Recombination Lines toward the Orion Nebula*, Astrophysical Journal, **828**, 40.
4. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

260. **E**. **Lyratzi, L**. **Č**. **Popović, E**. **Danezis, M**. **S**. **Dimitrijević, A**. **Antoniou: 2009, New Astronomy Review, 53, 179 [A 207]**.

1. Popović, L. Č., Jovanović, P.: 2010, *Spectral line shapes as a tool for investigation of kinematics and physics of plasma in quasars,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 44.
2. Stathopoulos, D., Lyratzi, E., Danezis, E., Antoniou, A., Tzimeas, D.: 2012, *A study of the C IV BALs in HiBALQSO spectra*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 375.
3. Stathopoulos, Danezis, E., D., Lyratzi, E., Antoniou, A., Tzimeas, D.: 2015, *Multicomponent Analysis of the UV Si IV and C IV Broad Absorption Troughs in BALQSO Spectra: The Examples of J01225+1339 and J02287+0002*, Journal of Astrophysics and Astronomy, **36**, 495.
4. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
5. Stathopoulos Dimitrios, Danezis, E., Lyratzi E., Antoniou, A.,, Tzimeas D.: 2017, *On Si IV and C IV broad absorption line variability in the UV spectra of 10 BALQSOs*, Monthly Notices of the Royal Astronomical Society, **486**, 894.
6. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

261. **Z**. **Simić, M**.**S**. **Dimitrijević, A**. **Kovačević: 2009, New Astronomy Review, 53, 246 [A 209]**.

1. Simić, Z.: 2010, *Stark broadening of heavy metal spectral lines in atmospheres of chemically peculiar stars*, Journal of Physics Conference Series **257**, 012037.
2. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

3. Bin Duan, Muhammad Abbas Bari, Ze-Qing Wu, Jun Yan, Jian-Guo Wang: 2016, *Stark-Broadened Profiles of the Spectral Line Pα in He II Ions*, Chinese Physics Letters, **33**, 033201.
4. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.

262. D. Jevremović, M. S. Dimitrijević, L. Č. Popović, M. Dačić, V. Protić Benišek, E. Bon, N. Gavrilović, J. Kovačević, V. Benišek, A. Kovačević, D. Ilić, S. Sahal-Bréchot, K. Tsvetkova, Z. Simić, M. Malović: 2009, New Astron. Rev. 53, 222 [A 206].

1. Konjević, N., Ivković, M., Jovićević, S.: 2010, *Spectroscopic diagnostics of laser-induced plasmas,* Spectrochimica Acta B, **65**, 593.
2. Jevremović Darko: 2014, *Astroinformatics in Serbia – from small virtual observatory to involvement in LSST*, New challenges in astro- and environmental informatics in the Big Data era, Proceedings of the workshop, Szombathely, Hungary, 14-16 May, 2014, eds. J. Kovács, Gy. M. Szabó, Gothard Astrophysical Observatory of Eötvös Loránd University in conjunction with Vas County Scientific Educational Association, 35.
3. Zwolf, C. M., Dubernet, M.-L., Ba, Y.-A., Moreau, N.: 2014, E*xperience and feedbacks from the sustainability for the virtual atomic and molecular data centre E-infrastructure,*IST-Africa Conference Proceedings, Le Meridien Ile Maurice, 7-9 May 2014, IEEE Xplore Digital Library, 1-9.
4. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

263. E. Danezis, E. Lyratzi, L. Č. Popović, M. S. Dimitrijević, A. Antoniou: 2009, New Astronomy Reviews, 53, 214 [A 208].

1. Chesneau, O., Dessart, L., Mourard, D., Bério, Ph., Buil, Ch., Bonneau, D., Borges Fernandes, M., Clausse, J. M., Delaa, O., Marcotto, A., Meilland, A., Millour, F., Nardetto, N., Perraut, K., Roussel, A., Spang, A., Stee, P., Tallon-Bosc, I., McAlister, H., Ten Brummelaar, T., Sturmann, J., Sturmann, L., Turner, N., Farrington, C., Goldfinger, P. J.: 2010, *Time, spatial, and spectral resolution of the Hα line-formation region of Deneb and Rigel with the VEGA/CHARA interferometer,* Astronomy and Astrophysics, **521**, A5.
2. Popović, L. Č., Jovanović, P.: 2010, *Spectral line shapes as a tool for investigation of kinematics and physics of plasma in quasars,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 44.
3. Savić, I., Gavanski, L., Belmonte, M. T., Djurović, S:: 2016, *Stark halfwidths of someI spectral lines of ionized silicon*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts

of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 264.

4. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
5. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

264. Lj. M. Ignjatović, A. A. Mihajlov, N. M. Sakan, M. S. Dimitrijević, A. Metropoulos: 2009, Monthly Notices of the Royal Astronomical Society, 396, 2201 [A 205].

1. Augustovičová, L., Špirko, V., Kraemer, W. P., Soldán, P.: 2013, *Radiative association of He^+_2 revisited*, Astronomy and Astrophysics, **553**, A42.
2. Augustovičová, L., Kraemer, W. P., Špirko, V., Soldán, P.: 2014, *The role of molecular quadrupole transitions in the depopulation of metastable helium*, Monthly Notices of the Royal Astronomical Society, **446**, 2738.
3. Sakan, N., Srećković, V., Ignjatović, Lj., Mihajlov, A. A.: 2016, *Bond - bound state transitions in the frame of Coulomb cut-off model potential*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 425.

265. M. S. Dimitrijević, L. Č. Popović, D. Jevremović, M. Dačić, P. Jovanović, A. Kovačević, S. Simić, Z. Simić, D. Ilić, E. Bon, N. Gavrilović, J. Kovačević, N. Milovanović, D. Tankosić, M. Stalevski: 2009, Proceedings of the XV National Conference of Astronomers of Serbia, eds. O. Atanacković, Z. Cvetković, D. Ilić, Publications of the Astronomical Observatory of Belgrade, 86, 271 [J 103].

1. Ilić, D., Popović, L. Č.: 2014, *Supermassive black holes and spectral emission lines*, Journal of Physics Conference Series, **548**, 012002.

266. M. L. Dubernet, V. Boudon, J. L. Culhane, M. S. Dimitrijevic, A. Z. Fazliev, C. Joblin, F. Kupka, G. Leto, P. Le Sidaner, P. A. Loboda, H. E. Mason, N. J. Mason, C. Mendoza, G. Mulas, T. J. Millar, L. A. Nuñez, V. I. Perevalov, N. Piskunov, Y. Ralchenko, G. Rixon, L. S. Rothman, E. Roueff, T. A. Ryabchikova, A. Ryabtsev, S. Sahal-Bréchot, B. Schmitt, S. Schlemmer, J. Tennyson, V. G. Tyuterev, N. A. Walton, V. Wakelam, C. J. Zeippen: 2010, Journal of Quantitative Spectroscopy and Radiative Transfer, 111, 2151 [A 215].

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.
2. Ахлёстин, А. Ю., Лаврентьев, Н. А., Привезенцев, А. И., Фазлиев, А. З.: 2011, *Информационная система трехслойной архитектуры по молекулярной спектроскопии,* Труды XIV Всероссийской объединенной конференции "Интернет и современное общество" (IMS-2011), Санкт-Петербург, Россия, 17.
3. Dubernet, M. L., Roueff, E., Stoecklin, T., Daniel, F., Grosjean, A.: 2011, *Molecular Collisional Data and BASECOL in the VAMDC context,* European Astronomical Society Publications Series, **52**, 217.
4. Jacquinet-Husson, N., Crepeau, L., Armante, R., Boutammine, C., Chédin, A., Scott, N. A., Crevoisier, C., Capelle, V., Boone, C., Poulet-Crovisier, N., Barbe, A., Campargue, A., Benner, D. Chris, Benilan, Y., Bézard, B., Boudon, V., Brown, L. R., Coudert, L. H., Coustenis, A., Dana, V., Devi, V. M., Fally, S., Fayt, A., Flaud, J.-M., Goldman, A., Herman, M., Harris, G. J., Jacquemart, D., Jolly, A., Kleiner, I., Kleinböhl, A., Kwabia-Tchana, F., Lavrentieva, N., Lacome, N., Xu, Li-Hong, Lyulin, O. M., Mandin, J.-Y., Maki, A., Mikhailenko, S., Miller, C. E., Mishina, T., Moazzen-Ahmadi, N., Müller, H. S. P., Nikitin, A., Orphal, J., Perevalov, V., Perrin, A., Petkie, D. T., Predoi-Cross, A., Rinsland, C. P., Remedios, J. J., Rotger, M., Smith, M. A. H., Sung, K., Tashkun, S., Tennyson, J., Toth, R. A., Vandaele, A.-C., Vander Auwera, J.S.: 2011, *The 2009 edition of the GEISA spectroscopic database,* Journal of Quantitative Spectroscopy and Radiative Transfer, **112**, 2395
5. Лаврентьев Н.А., Привезенцев А.И., Фазлиев А.З.: 2011, *Базы знания для описания информационных ресурсов в молекулярной спектроскопии 2. Модель данных в количественной спектроскопии keV,* Электронные библиотеки, Том 14 , Выпуск 2, 1-23.
6. Limbachiya, C., Vinodkumar, M., Mason, N.: 2011, *Calculation of electron--impact rotationally elastic total cross sections for NH_3, H_2S, and PH_3 over the energy range from 0.01 eV to 2 keV,* Physical Review A, **83**, 042708257.
7. Привезенцев, А. И., Фазлиев, А. З.: 2011, *Базы знания для описания информационных ресурсов в молекулярной спектроскопии 1. Основные понятия,* Russian Digital Libraries, **14 (1)**.
8. Рябчикова, Т. А., Пахомов, Ю. В., Пискунов, Н. Е.: 2011, *Новая версия венской базы атомных параметров спектральных линий (VALD3) и ее интеграция в виртуальный центр атомных и молекулярных данных (VAMDC)*, Ученые записки Казанского университета. Сер. Физико-математические науки, **153(2)**, 61.
9. Апанович, З. В., Винокуров, П. С., Ахлёстин, А. Ю., Привезенцев, А. И., Фазлиев, А. З.: 2012, *Цифровая библиотека научных статей*

по количественной спектроскопиия, Труды 14-й Всероссийской научной конференции “Электронные библиотеки: перспективные методы и технологии, электронные коллекции“ — RCDL-2012, Переславль-Залесский, Россия, 15-18 октября 2012 г.

10. Toboła, Robert, Dumouchel, Fabien, Kłos, Jacek, Lique, François: 2012*, Calculations of fine-structure resolved collisional rate coefficients for the NH($X^3\Sigma^-$)-He system,* Journal of Chemical Physics **134** (2012) 4305.
11. van der Tak, Floris: 2011*, Radiative Transfer and Molecular Data for Astrochemistry,* The Molecular Universe, Proceedings of the International Astronomical Union, IAU Symposium, **280**, 449.
12. de Bergh, C., Courtin, R., Bézard, B., Coustenis, A., Lellouch, E., Hirtzig, M., Rannou, P., Drossart, P., Campargue, A., Kassi, S., Wang, Le, Boudon, V., Nikitin, A., Tyuterev, V.: 2012*, Applications of a new set of methane line parameters to the modeling of Titan's spectrum in the 1.58 μm window,* Planetary and Space Science, **61**, 85.
13. Dubernet, M., Nenadovic, L., Doronin, N.: 2012, *A New Software to Combine Spectroscopic Data and Collisional Data within VAMDC,* Astronomical Data Analysis Software and Systems XXI, Eds. P. Ballester, D. Egret, N.P.F. Lorente, ASP Conference Series, **461**, 335.
4. Federman, Steven R., Bernath, Peter F., Müller, Holger S. P.: 2012*, Division XII/commission 14/WORKING Group on Molecular Data,* Transactions IAU, Volume 7, Issue T28, 355.
15. Furtenbacher Tibor, Császár Attila G.: 2012*, The role of intensities in determining characteristics of spectroscopic networks,* Journal of Molecular Structure **1009**, 123.
16. Фирсов, К. М., Фролькис, В. А., Воронина, Ю. В., Козодоев, А. В., Фазлиев А. З.: 2012*, Распределенная информационная система для атмосферных наук,* Труды XV Всероссийской объединенной конференции “Интернет и современное общество“ (IMS-2012), Санкт-Петербург, Россия, 2012, 131.
17. Le Sidaner, P., Andre, N., Berthier, J., Bourrel, N., Cecconi, B., Despan, D., Erard, S., Gangloff, M., Henry, F., Jacquey, C., Leyrat, C., Sarkissian, A., Saunier, M.: 2012, *IDIS: Progresses towards a Virtual Observatory in Planetary Science,* Astronomical Data Analysis Software and Systems XXI, Eds. P. Ballester, D. Egret, N.P.F. Lorente, ASP Conference Series, **461**, 395.
18. Lebzelter, T., Heiter, U., Abia, C., Eriksson, K., Ireland, M., Neilson, H., Nowotny, W., Maldonado, J., Merle, T., Peterson, R., Plez, B., Short, C. I., Wahlgren, G. M., Worley, C., Aringer, B., Bladh, S., de Laverny, P., Goswami, A., Mora, A., Norris, R. P., Recio-Blanco, A., Scholz, M., Thévenin, F., Tsuji, T., Kordopatis, G., Montesinos, B., Wing, R. F.: 2012*, Comparative modelling of the spectra of cool giants,* Astronomy and Astrophysics, **547**, A108.

19. Nikitin, A. V., Rey, M., Champion, J. P., Tyuterev, Vl. G.: 2012*, Extension of the MIRS computer package for the modeling of molecular spectra: From effective to full ab initio ro-vibrational Hamiltonians in irreducible tensor form,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1034.
20. Привезенцев, А. И., Царьков, Д. В., Фазлиев, А. З.: 2012, *Базы знания для описания информационных ресурсов в молекулярной спектроскопии 3. Формирование базовой и прикладной онтологии,* Russian Digital Libraries, **15 (2)**.
21. Sahal-Bréchot, S.: 2012, *Virtual Laboratory Astrophysics: The STARK-B Database for Spectral Line Broadening by Collisions with Charged Particles and its Link to VAMDC,* International Conference on Spectral Line Shapes, Sankt Petersburg, June 3-9, 2012, 13.
22. Samukawa Seiji, Masaru Hori, Shahid Rauf, Kunihide Tachibana, Peter Bruggeman, Gerrit Kroesen, J. Christopher Whitehead, Anthony B. Murphy, Alexander F. Gutsol, Svetlana Starikovskaia, Uwe Kortshagen, Jean-Pierre Boeuf, Timothy J. Sommerer, Mark J. Kushner, Uwe Czarnetzki, Nigel Mason: 2012*, The 2012 Plasma Roadmap,* Journal of PhysicsD, **45**, 253001.
23. Sanzharov, M., Vander Auwera, J., Pirali, O., Roy, P., Brubach, J.-B., Manceron, L., Gabard, T., Boudon, V.: 2012*, Self and N_2 collisional broadening of far-infrared methane lines measured at the SOLEIL synchrotron,* Journal of Quantitative Spectroscopy and Radiative Transfer, **113**, 1874.
24. Stasińska, G., Prantzos, N., Meynet, G., Simón-Díaz, S., Chiappini, C., Dessauges-Zavadsky, M., Charbonnel, C., Ludwig, H.-G., Mendoza, C., Grevesse, N., Arnould, M., Barbuy, B., Lebreton, Y., Decourchelle, A., Hill, V., Ferrando, P., Hébrard, G., Durret, F., Katsuma, M., Zeippen, C. J. 2012*, Appendix A: The atomic physics of oxygen,* in Oxygen in the Universe, Stasinska et al. eds., EAS Publications Series **54** (2012), 319.
25. Tennyson, J., Yurchenko, S. N.: 2012*, ExoMol: molecular line lists for exoplanet and other atmospheres,* Monthly Notices of the Royal Astronomical Society, **425,** 21.
26. Vinodkumar, M., Barot, M.: 2012*, Electron impact total cross section for acetylene over an extensive range of impact energies (1 eV-5000 eV) ,* Journal of Chemical Physics **136** (2012) 184308.
27. Vinodkumar, M., Limbachiya, C. G., Barot, M. Y., Mason, N. J.: 2012*, Computation of the total scattering cross sections for electron impact on HCl and HBr between 0.1 eV and 2000 eV,* European Physical Journal D, **66**, 74.
28. Vinodkumar, M., Limbachiya, C. G., Barot, M. Y., Mason, N. J.: 2012*, Scattering of N2O on electron impact over an extensive energy range (0.1 eV-2000 eV),* Journal of Chemical Physics, **137**, 074311.

29. Wakelam, V., Herbst, E., Loison, J. C., Smith, I. W. M., Chandrasekaran, V., Pavone, B., Adams, N. G., Bacchus-Montabonel, M.-C., Bergeat, A., Béroff, K., Bierbaum, V. M., Chabot, M., Dalgarno, A., van Dishoeck, E. F., Faure, A., Geppert, W. D., Gerlich, D., Galli, D., Hébrard, E., Hersant, F., Hickson, K. M., Honvault, P., Klippenstein, S. J., Le Picard, S., Nyman, G., Pernot, P., Schlemmer, S., Selsis, F., Sims, I. R., Talbi, D., Tennyson, J., Troe, J., Wester, R., Wiesenfeld, L.: 2012*, A KInetic Database for Astrochemistry (KIDA),* Astrophysical Journal Supplement, **199**, 21.
30. Wakelam, V., KIDA team: 2012*, KInetic Database for Astrochemistry,* European Conference on Laboratory Astrophysics – ECLA , eds. C. Stehle, C. Joblin, L. d'Hendecourt, EAS Publications Series, **58,** 287.
31. Ахлестин, А., Лаврентев, Н. А., Привезенцев, А. И., Фазлиев, А. З.: 2013, *Базы знания для описания информационных ресурсов в молекулярной спектроскопии 5. Качество экспертных данных,* Russian Digital Libraries, **16 (4)**.
32. Ba, Yaye Awa, Wenger, Christian, Surleau, Romain, Boudon, Vincent, Rotger, Maud, Daumont, Ludovic, Bonhommeau, David A., Tyuterev, Vladimir G., Dubernet, Marie-Lise: 2013*, MeCaSDa and ECaSDa: Methane and ethene calculated spectroscopic databases for the virtual atomic and molecular data centre,* Journal of Quantitative Spectroscopy and Radiative Transfer **130**, 62.
33. Barbe, A., Mikhailenko, S., Starikova, E., De Backer, M. R., Tyuterev, Vl. G., Mondelain, D., Kassi, S., Campargue, A., Janssen, C., Tashkun, S., Kochanov, R., Gamache, R., Orphal, J.: 2013*, Ozone spectroscopy in the electronic ground state: High-resolution spectra analyses and update of line parameters since 2003,* Journal of Quantitative Spectroscopy and Radiative Transfer **130**, 172.
34. Barot Avani, Gupta Dhanoj, Vinodkumar Minaxi, Antony Bobby: 2013, *Computation of electron-impact total and differential cross sections for allene (C3H4) in the energy range 0.1–2000 eV*, Physical Review A, **87**, 062701.
35. Belloche, A., Müller, H. S. P., Menten, K. M., Schilke, P., Comito, C.: 2013, *Complex organic molecules in the interstellar medium: IRAM 30 m line survey of Sagittarius B2(N) and (M)*, Astronomy and Astrophysics, **559**, A47.
36. Brown, L. R., Sung, K., Benner, D. C., Devi, V. M., Boudon, V., Gabard, T., Wenger, C., Campargue, A., Leshchishina, O., Kassi, S., Mondelain, D., Wang, L., Daumont, L., Régalia, L., Rey, M., Thomas, X., Tyuterev, Vl. G., Lyulin, O. M., Nikitin, A. V., Niederer, H. M., Albert, S., Bauerecker, S., Quack, M., O'Brien, J. J., Gordon, I. E., Rothman, L. S., Sasada, H., Coustenis, A., Smith, M. A. H., Carrington Jr., T., Wang, X.-G., Mantz, A. W., Spickler, P. T.: 2013*, Methane line parameters in the HITRAN2012 database,* Journal of Quantitative Spectroscopy and Radiative Transfer **130**, 172.

37. Daumont, L., Nikitin, A. V., Thomas, X., Régalia, L., Von der Heyden, P., Tyuterev, Vl. G., Rey, M., Boudon, V., Wenger, Ch., Loëte, M., Brown, L. R.: 2013*, New assignments in the 2 μm transparency window of the $^{12}CH_4$ Octad band system,* Journal of Quantitative Spectroscopy and Radiative Transfer **116** (2013) 201.
38. Down, Michael J., Hill, Christian, Yurchenko, Sergei N., Tennyson, Jonathan, Brown, Linda R., Kleiner, Isabelle.: 2013*, Re-analysis of ammonia spectra: Updating the HITRAN $^{14}NH3$ database,* Journal of Quantitative Spectroscopy and Radiative Transfer **130,** 260.
39. Faure, A., Wiesenfeld, L., Drouin, B. J., Tennyson, J.: 2013*, Pressure broadening of water and carbon monoxide transitions by molecular hydrogen at high temperatures,* Journal of Quantitative Spectroscopy and Radiative Transfer, **116**, 79.
40. Gabard, Tony: 2013*, Calculated line broadening parameters for methane perturbed by diatomic molecules,* Journal of Molecular Spectroscopy, **291**, 61.
41. Goswami, B., Saikia, U., Naghma, R., Antony, B.: *Electron Impact Total Ionization Cross Sections for Plasma Wall Coating Elements*: 2013*,* Chinese Journal of Physics, **51**, 1172.
42. Fazliev, A., Privezentsev, A., Tsarkov, D., Tennyson, J.: 2013*, Ontology-Based Content Trust Support of Expert Information Resources in Quantitative Spectroscopy,* Knowledge Engineering and the Semantic Web, eds. P. Klinov, D. Mouromtsev, Communications in Computer and Information Science, **394**, 15.
43. Hill, Christian, Gordon, Iouli E., Rothman, Laurence S., Tennyson, Jonathan: 2013*, A new relational database structure and online interface for the HITRAN database,* Journal of Quantitative Spectroscopy and Radiative Transfer **130**, 51.
44. Müller Holger S. P., Endres, C. P., Stutzki, J., Schlemmer, S.: 2013, *The CDMS view on molecular data needs of Herschel, SOFIA, and ALMA*, Eight International Conference on Atomic and Molecular Data and their Applications: ICAMDATA-2012, AIP Conference Proceedings, **1545**, 96.
45. Hill, Christian, Yurchenko, Sergei N., Tennyson, Jonathan: 2013*, Temperature-dependent molecular absorption cross sections for exoplanets and other atmospheres,* Icarus, **226**, 1673.
46. McElroy, D., Walsh, C., Markwick, A. J., Cordiner, M. A., Smith, K., Millar, T. J.: 2013*, The UMIST database for astrochemistry 2012,* Astronomy and Astrophysics, **550**, A36.
47. Mendoza, C.: 2013*, Data-Intensive Profile for the VAMDC*, New Trends in Atomic and Molecular Physics, ed. Mohtan, Man, Advanced Technological Applications, Springer Series on Atomic, Optical, and Plasma Physics, Vol. 76.
48. Müller Holger S. P.: 2013*, Spectroscopic parameters of phosphine, PH3, in its ground vibrational state,* Journal of Quantitative Spectroscopy and Radiative Transfer **130,** 335.

49. Nikitin, A. V., Boudon, V., Wenger, Ch., Albert, S., Brown, L. R., Bauerecker, S., Quack, M.: 2013*, High resolution spectroscopy and the first global analysis of the Tetradecad region of methane $^{12}CH_4$,* Physical Chemistry and Chemical Physics, **15**, 10071.
50. Tyuterev, V., Tashkun, S., Rey, M., Kochanov, R., Nikitin, A., Delahaye, T.: 2013, *Accurate Spectroscopic Models for Methane Polyads Derived from a Potential Energy Surface Using High-Order Contact Transformations,* Journal of Physical Chemistry **117**, 13779.
51. Wakelam, V., KIDA Team: 2013*, Kinetic Database for Astrochemistry,* EAS Publications Series **58**, 287.
52. Rey, Michaël, Nikitin, Andrei V., Tyuterev, Vladimir G.: 2013, *First principles intensity calculations of the methane rovibrational spectra in the infrared up to 9300 cm^{-1}*, Physical Chemistry Chemical Physics, **15**, 10049.
53. Rey, Michaël, Nikitin, Andrei V., Tyuterev, Vladimir G.: 2013, *Predictions for methane spectra from potential energy and dipole moment surfaces: Isotopic shifts and comparative study of $^{13}CH4$ and $^{12}CH4$,* Journal of Molecular Spectroscopy, **291**, 85.
54. Rothman, L. S., Gordon, I. E., Babikov, Y., Barbe, A., Chris Benner, D., Bernath, P. F., Birk, M., Bizzocchi, L., Boudon, V., Brown, L. R., Campargue, A., Chance, K., Cohen, E. A., Coudert, L. H., Devi, V. M., Drouin, B. J., Fayt, A., Flaud, J.-M., Gamache, R. R., Harrison, J. J., Hartmann, J.-M., Hill, C., Hodges, J. T., Jacquemart, D., Jolly, A., Lamouroux, J., Le Roy, R. J., Li, G., Long, D. A., Lyulin, O. M., Mackie, C. J., Massie, S. T., Mikhailenko, S., Müller, H. S. P., Naumenko, O. V., Nikitin, A. V., Orphal, J., Perevalov, V., Perrin, A., Polovtseva, E. R., Richard, C., Smith, M. A. H., Starikova, E., Sung, K., Tashkun, S., Tennyson, J., Toon, G. C., Tyuterev, Vl. G., Wagner, G.: 2013, *The HITRAN2012 molecular spectroscopic database*, Journal of Quantitative Spectroscopy and Radiative Transfer **130**, 4.
55. Tinetti, Giovanna, Encrenaz, Thérèse, Coustenis, Athena: 2013, *Spectroscopy of planetary atmospheres in our Galaxy*, Astronomy and Astrophysics Review, **21**, 63.
56. Babikov, Yurii L., Mikhailenko, Semen N., Barbe, Alain, Tyuterev, Vladimir G.: 2014, *S&MPO - An information system for ozone spectroscopy on the WEB*, Journal of Quantitative Spectroscopy and Radiative Transfer, **145**, 169.
57. Boudon, V., Manceron, L., Kwabia Tchana, F., Loëte, M., Lago, L., Roy, P.: 2014, *Resolving the forbidden band of SF6,* Physical Chemistry Chemical Physics, **16**, 1415.
58. Delahaye, F., Dubernet, M. L., Zeippen, C. J., and the SUP@VAMDC Collaboration: 2014, *SUP@VAMDC ,* Physica Scripta, **89**, 114005.
59. Dubernet, M. L., Aboudarham, J., Ba, Y. A., Boiziot, M., Bottinelli, S., Caux, E., Endres, C., Glorian, J. M., Henry, F., Lamy, L., Le Sidaner, P.,

Møller, T., Moreau, N., Rénié, C., Roueff, E., Schilke, P., Vastel, C., Zwoelf, C. M.: 2014, *Scientific Use Cases for the Virtual Atomic and Molecular Data Center ,* Proceedings of the annual meeting of the French Society of Astronomy and Astrophysics, Paris, June 3-6, 2014, eds. J. Ballet, F. Bournaud, F. Martins, R. Monier, C. Reyle, French Society of Astronomy & Astrophysics (SF2A), Paris, 17.

60. Furtenbacher, T., Arendas, P., Mellau, G., Csaszar, A. G: 2014, *Simple molecules as complex systems,* Scientific Reports **4**, 4654.
61. Gupta Dhanoj, Naghma Rahla, Antony Bobby: 2014, *Electron impact total ionisation cross sections for simple bio-molecules: a theoretical approach,* Molecular Physics, **112**, 1201.
62. Jevremović Darko: 2014, *Astroinformatics in Serbia – from small virtualobservatory to involvement in LSST*, New challenges in astro- and environmental informatics in the Big Data era, Proceedings of the workshop, Szombathely, Hungary, 14-16 May, 2014, eds. J. Kovács, Gy. M. Szabó, Gothard Astrophysical Observatory of Eötvös Loránd University in conjunction with Vas County Scientific Educational Association, 35.
63. Kochanov, R. V., Perevalov, V. I., Tashkun, S. A.: 2014, *Integration of CO_2 spectral line parameters from the CDSD databanks into the virtual atomic and molecular data center (VAMDC)*, Atmospheric and Oceanic Optics, **27**, 536.
64. Кочанов, Р. В., Перевалов, В. И., Ташкун, С. А.: 2014, *Интеграция параметров спектральных линий молекулы CO_2 содержащихся в банках данных CDSD в Виртуальный центр атомных и молекулярных данных (VAMDC)*, Оптика атмосферы и океана, **27**, 240.
65. Mendoza Claudio, Boswell Josiah S., Ajoku David C., Bautista Manuel A.: 2014, *AtomPy: An Open Atomic Data Curation Environment for Astrophysical Applications*, Atoms, **2**, 123.
66. Ryabchikova, T.: 2014, *Atomic Data: Where to Get Them, How to Use Them*, Determination of Atmospheric Parameters of B-, A-, F- and G-Type Stars, Lectures from the School of Spectroscopic Data Analyses, eds. Ewa Niemczura, Barry Smalley, Wojtek Pych, GeoPlanet: Earth and Planetary Sciences, 53.
67. Tennyson Jonathan, Yurchenko Sergei N.: 2014, *The status of spectroscopic data for the exoplanet characterisation missions*, Experimental Astronomy, **40**, 563.
68. Воронина, С., Привезенцев, А., Царьков, Д. В., Фазлиев, А. З.: 2014, *Онтологическое описание состояний и переходов в количественной спектроскопии,* Инфраструктура научных информационных ресурсов и систем, Сборник избранных научных статей, ред. Е. Б. Кудашев, В. А. Серебряков, Институт космических исследований РАН, Вычислительный центр, им. А. А. Дородницына, РАН, Москва, 18.

69. Воронина, С., Привезенцев, А., Царьков, Д. В., Фазлиев, А. З.: 2014, *Различие онтологических представлений предметной области,* Электронные библиотеки: Перспективные методы и технологии, Электронные коллекции, XVI Всероссийская научная конференция, Дубна 13-16 октябрь, RCDL-2014, С. 124.
70. Voronina, S. S., Privezentsev, A. I., Tsarkov, D. V., Fazliev, A. Z.: 2014, *An ontological description of states and transitions in quantitativespectroscopy*, 20 International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics, eds. G. G. Matvienko, O. A. Romanovskii, Proceedings of SPIE, **9292**, 92920C.
71. Zwolf, C. M., Dubernet, M.-L., Ba, Y.-A., Moreau, N.: 2014, E*xperience and feedbacks from the sustainability for the virtual atomic and molecular data centre E-infrastructure,*IST-Africa Conference Proceedings, Le Meridien Ile Maurice, 7-9 May 2014, IEEE Xplore Digital Library, 1-9.
72. Яценко, А. С., Казаков, В. В., Казаков, В. Г., Ковалев, В. С., Ретунский, С. В., Шевцов, Е. В.: 2014, *Информационная система "Электронная структура атомов": современное состояние и обеспечение интероперабельности и интеграции,* Технологии информационного общества в науке, образовании и культуре: сборник научных статей, Материалы XVII Всероссийской объединенной конференции "Интернет и современное общество" IMS-2014, Санкт-Петербург, 19 - 20 ноября 2014 г., 43.
73. Яценко, А. С., Казаков, В. В., Казаков, В. Г., Ковалев, В. С., Ретунский, С. В., Шевцов, Е. В.: 2014, *Развитие информационной системы по спектроскопии "Электронная структура атомов",* XV Российская конференция с международным участием "Распределенные информационно - вычислительные ресурсы" (DICR-2014) , 2 - 5 декабря 2014, Новосибирск.
74. Ахлестин, А. Ю. Воронина, С. С., Лаврентьев, А. Н., Фазлиев, А. З.: 2015, *Информационные ресурсы по спектроскопии в ИОА СО РАН,* Оптика атмосферы и океана, **28**, 480.
75. Federman, S. R., Bernath, P. F., Müller, H. S. P.: 2016, *Division B, Commission 14, Working Group Molecular Data, Triennial Report 2012-2014*, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 137.
76. Heiter, U., Lind, K., Asplund, M., Barklem, P. S., Bergemann, M., Magrini, L., Masseron, T., Mikolaitis, S., Pickering, J. C., Ruffoni, M. P.: 2015, *Atomic and molecular data for optical stellar spectroscopy,* Physica Scripta, **90**, 054010.
77. Leonid Kalinichenko, Alexander Fazliev, Eugene Gordov, Nadezhda Kiselyova, Dana Kovaleva, Oleg Malkov, I. Okladnikov, Nikolay Podkolodny, Natalia Ponomareva, Alexey Pozanenko, Sergey Stupnikov, Alina Volnova: 2015, *New Data Access Challenges for Data Intensive*

Research in Russia, Proceedings of the XVII International Conference DAMDID/RCDL'2015 "Data Analysis and Management in Data Intensive Domains", Obninsk, October 13-16, 2015, 215.

78. Козодоев, А. В., Козодоева, Е. М.: 2015, *Универсальный модуль "унарные операции" в ИС "Молекулярная спектроскопия",* Вестник Новосибирского гос. ун-та. Серия: Информационные технологии **13(1)**, 46.
79. Marinković Bratislav P., Veljko Vujčić, Gennady Sushko, Dušan Vudragović , Stefan Ivanović, Milutin Nešić, Darko Jevremović , Dara B. Marinković, Stefan Đordjevic, Andrey V. Solov'yov, Nigel J. Mason.: 2015, *Development of collisional data base for elementary processes of electron scattering by atoms and molecules,* Nuclear Instruments and Methods in Physics Research B **354**, 90.
80. Ryabchikova, T., Pakhomov, Yu.: 2015, *Archives of astronomical spectral observations and atomic / molecular databases for their analysis*, Baltic Astronomy **24**, 453.
81. Яценко, А. С, Казаков, В. Г., Казаков, В. В., Ковалев, В. С.: 2015, *"Электронная структура атомов" и другие информационные системы по атомной спектроскопии: возможности специализации и кооперации в среде Интернет*, Сборник научных статей XVIII Объединенной конференции "Интернет и современное общество" IMS-2015, Санкт-Петербург, 23-25 июня 2015, 353.
82. Amyay Badr, Louviot Maud, Pirali Olivier, Georges Robert, Vander Auwera Jean, Boudon Vincent: 2016, *Global analysis of the high temperature infrared emission spectrum of $^{12}CH4$ in the dyad (v2/v4) region,* Journal of Chemical Physics **144**, 024312.
83. Árendás Péter, Furtenbacher Tibor, Császár Attila G.: 2016*, IPOPv2 online service for the generation of opacity tables,* Journal of Quantitative Spectroscopy and Radiative Transfer, **171**, 66.
84. Árendás Péter, Furtenbacher Tibor, Császár Attila G.: 2016*, On spectra of spectra,* Journal of Mathematical Chemistry, **54**, 805.
85. Bartschat, K., Kushner, M. J.: 2016*, Electron collisions with atoms, ions, molecules, and surfaces: Fundamental science empowering advances in technology,* Proceedings of the National Academy of sciences of the United States of America, **113**, 7026.
86. Delahaye, F., Zwölf, C. M., Zeippen, C. J., Mendoza, C.: 2016*, On Spectra of Spectra,* Journal of Mathematical Chemistry, DOI 10.1007/s10910-016-0591-1.
87. Endres Christian P., Schlemmer Stephan, Schilke Peter, Stutzki Jürgen, Müller Holger S. P.: 2016*, The Cologne Database for Molecular Spectroscopy, CDMS, in the Virtual Atomic and Molecular Data Centre, VAMDC,* Journal of Molecular Spectroscopy, **327**, 95.
88. Federman Steven R.,Bernath Peter F., Müller Holger S. P.: 2016*, Molecular data, Triennial report 2012-2014*, Transactions IAU, Volume **XXIXA**,

Proc. **XXIXA** IAU General Assembly, August 2015, Thierry Montmerle, ed., 137.
89. Gordov, E. P., Kabanov, M. V., Rodimova, O. B., Fazliev, A. Z: 2016*, From Atmospheric Gas Spectroscopy to Climatological Problems,* Russian Physics Journal, **59**, 502.
90. Калиниченко, Л. А., Вольнова, А. А., Гордов, Е. П., Киселева, Н. Н., Ковалева, Д. А., Малков, О. Ю., Окладников, И. Г., Подколодный, Н. Л., Позаненко А. С., Пономарева, Н. В., Ступников, С. А., Фазлиев, А. З.: 2016, *Проблемы доступа к данным в исследованиях с интенсивным использованием данных в России*, Информатика и её применения, **10(1)**, 2.
91. Kochanov, R. V., Gordon, I. E., Rothman, L. S., Wcisło, P., Hill, C., Wilzewski, J. S.: 2016, *HITRAN Application Programming Interface (HAPI): A comprehensive approach to working with spectroscopic data*, Journal of Quantitative Spectroscopy and Radiative Transfer **177**, 15.
92. Majumdar, L., Gratier, P., Vidal, T., Wakelam, V., Loison, J.-C., Hickson, K. M., Caux, E.: 2016, *Detection of CH3SH in protostar IRAS 16293-2422*, Monthly Notices of the Royal Astronomical Society, **458**, 1859.
93. Malkov, O., Dluzhnevskaya, O., Bakanas, E., Kilpio, E., Kniazev, A., Kovaleva, D., Mironov, A., Pakhomov, Yu., Ryabchikova, T., Rykhlova, L., Sachkov, M., Sazonov, S., Zhukov, A.: 2016, *Russian Virtual Observatory: data sources*, Baltic Astronomy **25**, 107.
94. Matvienko, G. G., Perevalov, V. I., Ponomarev, Yu. N., Sinitsa, L. N., Cherepanov, V. N.: 2016, *High-Resolution Molecular Spectroscopy in Tomsk: Establishment, Development, and Current Status*, Russian Physics Journal, **59**, 490.
95. Müller Holger S. P., Walters Adam, Wehres Nadine, Belloche Arnaud, Wilkins Olivia H., Liu, Delong, Vicente Rém, Garrod Robin T., Menten Karl M., Lewen Frank, Schlemmer Stephan: 2016*, Laboratory spectroscopic study and astronomical detection of vibrationally excited n-propyl cyanide,* Astronomy and Astrophysics, **595**, A87.
96. Pitchford Leanne C., Luis L. Alves, Klaus Bartschat, Stephen F. Biagi, Marie-Claude Bordage, Igor Bray, Chris E. Brion, Michael J. Brunger, Laurence Campbell, Alise Chachereau, Bhaskar Chaudhury, Loucas G. Christophorou, Emile Carbone, Nikolay A. Dyatko, Christian M. Franck, Dmitry V. Fursa, Reetesh K. Gangwar, Vasco Guerra, Pascal Haefliger, Gerjan J. M. Hagelaar, Andreas Hoesl, Yukikazu Itikawa, Igor V. Kochetov, Robert P. McEachran, W. Lowell Morgan, Anatoly P. Napartovich, Vincent Puech, Mohamed Rabie, Lalita Sharma, Rajesh Srivastava, Allan D. Stauffer, Jonathan Tennyson, Jaime de Urquijo, Jan van Dijk, Larry A. Viehland, Mark C. Zammit, Oleg Zatsarinny, Sergey Pancheshnyi: 2016*, LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas,* Plasma Processes and Polymers, DOI: 10.1002/ppap.201600098.

97. Rey Michaël, Nikitin Andrei V., Babikov Yurii L., Tyuterev Vladimir G: 2016*, TheoReTS - An information system for theoretical spectra based on variational predictions from molecular potential energy and dipole moment surfaces,* Journal of Molecular Spectroscopy, **327**, 122.
98. Skobelev, I. Yu., Loboda, P. A., Gagarin, S. V., Ivliev, S. V., Kozlov, A. I., Morozov, S. V., Pikuz, S. A., Pikuz, T. A., Popova, V. V., Faenov, A. Ya.: 2016, *The Spectr-W^3 database on the spectroscopic properties of atoms and ions*, Optics and Spectroscopy **120**, 507.
99. Tennyson Jonathan, Yurchenko Sergei N., Al-Refaie Ahmed F., Barton Emma J., Chubb Katy L., Coles Phillip A., Diamantopoulou S., Gorman Maire N., Hill Christian, Lam Aden Z., Lodi Lorenzo, McKemmish Laura K., Na Yueqi, Owens Alec, Polyansky Oleg L., Rivlin Tom, Sousa-Silva Clara, Underwood Daniel S., Yachmenev Andrey, Zak Emil: 2016, *The ExoMol database: Molecular line lists for exoplanet and other hot atmospheres*, Journal of Molecular Spectroscopy, **327**, 73.
100. Tennyson Jonathan, Yurchenko Sergei N., Al-Refaie Ahmed F., Clark, Victoria H. J., Chubb Katy L., Conway Eamon K., Dewan Akhil, Gorman Maire N., Hill Christian, Lynas-Gray, A. E., Mellor Thomas, McKemmish Laura K., Owens Alec, Polyansky Oleg L., Semenov Mikhail, Somogyi Wilfrid, Tinetti Giovanna, Upadhyay Apoorva, Waldmann Ingo, Wang Yixin, Wright Samuel, Yurchenko Olga P.: 2020, *The 2020 release of the ExoMol database: Molecular line lists for exoplanet and other hot atmospheres*, Journal of Quantitative Spectroscopy and Radiative Transfer, **255**, 107228.
101. Vinodkumar, Minaxi, Desai, Hardik, Vinodkumar, P. C., Mason, Nigel: 2016, *Induced chemistry by scattering of electrons from magnesium oxide,* Physical Review A, **93**, 012702.
102. Zwölf Carlo Maria, Moreau Nicolas, Dubernet Marie-Lise: 2016*, New model for datasets citation and extraction reproducibility in VAMDC,* Journal of Molecular Spectroscopy, **327**, 122.
103. Bray, C., Cuisset, A., Hindle, F., Mouret, G., Bocquet, R., Boudon, V.: 2017*, Spectral lines of methane measured up to 2.6 THz at sub-MHz accuracy with a CW-THz photomixing spectrometer: Line positions of rotational transitions induced by centrifugal distortion,* Journal of Quantitative Spectroscopy and Radiative Transfer, **203**, 349.
104. Carlos, M., Gruson, O., Richard, C., Boudon, V., Rotger, M., Thomas, X., Maul, C., Sydow, C., Domanskaya, A., Georges, R., Soulard, P., Pirali, O., Goubet, M., Asselin, P., Huet, T. R.: 2017*, High-resolution spectroscopy and global analysis of CF4 rovibrational bands to model its atmospheric absorption,* Journal of Quantitative Spectroscopy and Radiative Transfer, **201**, 75.
105. Egorov, O. V., Voitsekhovskaya, O. K., Kashirskii, D. E.: 2017, *The absorption of the hot bands in the spectra of H2S, SO2, and NO2 at*

temperatures of 300 – 1000 K, Proc. SPIE 10466, 23rd International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics, 1046605.

106. Ryabchikova Tatiana: 2017*, Atomic and molecular data: data organization in A+M databases and their use for stellar spectroscopy,* European Physical Journal D, **71**, 169.
107. Amyay Badr, Boudon Vincent: 2018*, Vibration-rotation energy levels and corresponding eigenfunctions of $^{12}CH_4$ up to the tetradecad,* Journal of Quantitative Spectroscopy and Radiative Transfer, **219**, 85.
108. Amyay Badr, Gardez Aline, Georges Robert, Biennier Ludovic, Vander Auwera Jean: 2018*, New investigation of the v^3 C–H stretching region of $^{12}CH_4$ through the analysis of high temperature infrared emission spectra,* Journal of Chemical Physics, **148**, 134306.
109. Boudon, V., Carlos, M., Richard, C., Pirali, O.: 2018*, Pure rotation spectrum of CF4 in the v3 = 1 state using THz synchrotron radiation,* Journal of Molecular Spectroscopy, **348**, 43.
110. Dubernet, M. L., Quintas-Sánchez, Ernesto: 2019, *First quantum study of the rotational excitation of HCN by para-H2O: Convergence of quantum results, influence of the potential energy surface, and approximate rate coefficients of interest for cometary atmospheres,* Molecular Astrophysics, **16**, 100046.
111. Egorov, Oleg; Nikitin, Andrei; Rey, Michäel; Rodina, Alena; Tashkun, Sergei; Tyuterev, Vladimir: 2019, *Global modeling of NF3 line positions and intensities from far to mid-infrared up to 2200 cm^{-1}*, Journal of Quantitative Spectroscopy and Radiative Transfer, Volume 239, article id. 106668.
112. Müller Holger S. P., Maeda Atsuko, Thorwirth Sven, Lewen Frank, Schlemmer Stephan, Medvedev Ivan R., Winnewisser Manfred, De Lucia Frank C., Herbst Eric: 2019, *Laboratory spectroscopic study of isotopic thioformaldehyde, H2CS, and determination of its equilibrium structure*, Astronomy and Astrophysics, **621**, A143.
113. Rodina, Alena; Egorov, Oleg; Nikitin, Andrei; Rey, Michael; Serdyukov, Victor; Sinitsa, Leonid; Tashkun, Sergei: 2019, *Line list for NF3 molecule in the 1750-1950 cm-1 region,* Journal of Quantitative Spectroscopy and Radiative Transfer, **232**, 10.
114. Starikova Evgeniya, Sung Keeyoon, Nikitin Andrei V., Rey Michael: 2019, Assignment and modeling of the $^{13}CH_4$ cold absorption spectrum in the 5471-5852 cm^{-1} spectral range, Journal of Quantitative Spectroscopy and Radiative Transfer, **235**, 278.
115. Viglaska Dominika, Rey Michael, Delahaye, T., Nikitin Andrei V.:2019, *First-principles calculations of infrared spectra for three ethylene isotopologues: $^{13}C_2H_4$, $^{13}C_{12}CH_4$ and $^{12}C_2H_3D$*, Journal of Quantitative Spectroscopy and Radiative Transfer, **230**, 142.

116. Viglaska Dominika, Rey Michael, Nikitin Andrei V., Tyuterev Vladimir G. 2019, *Symmetry effects in rotationally resolvedd spectra of bi-deuterated ethylene: Theoretical line intensities of cis, trans, and as - $C_2H_2D_2$ isotopomers*, Journal of Chemical Physics, **150**, 194303.
117. Zwölf Carlo Maria, Moreau Nicolas, Ba Yaye-Awa,Dubernet Marie-Lise: 2019, *Implementing in the VAMDC the New Paradigms for Data Citation from the Research Data Alliance*, Data Science Journal, **18,** 4.
118. Akhlestin Alexey, Lavrentiev Nikolai, Kozodoev Alexey, Kozodoeva Elena, Privezentsev Alexey, Fazliev Alexander: 2020, *Improvement of the Data Quality Assessment Procedure in Large Collections of Spectral Data,* Conference: Data Analytics and Management in Data Intensive Domains (DAMDID/RCDL 2020), Voronezh, Russia, CEUR Workshop Proceedings, **2790**, 263.
119. Ba Yaye-Awa, Dubernet Marie-Lise, Moreau Nicolas, Zwölf Carlo Maria: 2020, BASECOL2020 (basecol.vamdc.org) New Technical Design, Atoms, **8**, 69.
120. Boudon, V., Manceron, L., Richard, C.: 2020, *High-resolution spectroscopy and analysis of the ν_3, ν_4 and $2\nu_4$ bands of SiF_4 in natural isotopic abundance,* Journal of Quantitative Spectroscopy and Radiative Transfer, **253**, 107114.
121. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.
122. Lu Hu, Varvarezos Lazaros, Hayden Patrick, Kennedy Eugene T., Mosnier Jean-Paul, Costello John T.: 2020, *The 5d-6p VUV Photoabsorption Spectrum of Bi^+,* Atoms, **8**, 55.
123. Mendoza Claudio: 2020, *Atomic Databases: Four of a Kind,* Atoms, **8**, 30.
124. Murakami Izumi, Kato Masatoshi, Emoto Masahiko, Kato Daiji, Sakaue Hiroyuki A., Kawate Tomoko: 2020, *NIFS Atomic and Molecular Numerical Database for Collision Processes,* Atoms, **8**, 71.
125. Ralchenko Yuri, Kramida Alexander: 2020, *Development of NIST Atomic Databases and Online Tools,* Atoms, **8**, 56.
126. Richard, C., Boudon, V., Rotger, M.: 2020, *Calculated spectroscopic databases for the VAMDC portal: New molecules and improvements,* Journal of Quantitative Spectroscopy and Radiative Transfer, **251**, 107096.
127. Tennyson Jonathan, Yurchenko Sergei N., Al-Refaie Ahmed F., Clark, Victoria H. J., Chubb Katy L., Conway Eamon K., Dewan Akhil, Gorman Maire N., Hill Christian, Lynas-Gray, A. E., Mellor Thomas, McKemmish Laura K., Owens Alec, Polyansky Oleg L., Semenov Mikhail, Somogyi Wilfrid, Tinetti Giovanna, Upadhyay Apoorva, Waldmann Ingo, Wang Yixin, Wright Samuel, Yurchenko Olga P.: 2020, *The 2020 release of the ExoMol database: Molecular line lists for exoplanet and*

other hot atmospheres, Journal of Quantitative Spectroscopy and Radiative Transfer, **255**, 107228.

128. Akhlyostin Alexey, Lavrentiev Nikolay, Privezentsev Alexey, Fazliev Alexander: 2021, *Prospects for the Evolution of the Russian Segment of the Virtual Atomic and Molecular Data Center,* Conference: Data Analytics and Management in Data Intensive Domains (DAMDID/RCDL 2021), Moscow, Russia, October 26-29, 2021, CEUR Workshop Proceedings, **3036**, 26.
129. Chubb Katy L., Rocchetto Marco, Yurchenko Sergei N., Min Michiel, Waldmann Ingo, Barstow Joanna K., Mollière Paul, Al-Refaie Ahmed F., Phillips Mark W., Tennyson Jonathan: 2021, *The ExoMolOP database: Cross sections and k-tables for molecules of interest in high-temperature exoplanet atmospheres,* Astronomy and Astrophysics, **646**, A21.
130. Richard, C., Boudon, V., Rizopoulos, A., Vander Auwera, J., Kwabia Tchana, F.: 2021, *Line positions and intensities for the v_2/v_4 bands of 5 isotopologues of germane near 11.5 μm,* Journal of Quantitative Spectroscopy and Radiative Transfer, **260**, 107474.
131. Singh, A. P., Edwards, J. L., Humphreys, R. M., Ziurys, L. M.: 2021, *Molecules and Outflows in NML Cygni: New Insights from a 1 mm Spectral Line Survey,* Astrophysical Journal Letters, **920**, L38.
132. Boudon, V., Richard, C., Manceron, L.: 2022, *High-Resolution spectroscopy and analysis of the fundamental modes of $^{28}SiF_4$. Accurate experimental determination of the Si -F bond length*, Journal of Molecular Spectroscopy, 383, 111549.

267. **J**. **Kovačević, L**. **Č**. **Popović, M**. **S**. **Dimitrijević: 2010, Astrophysical Journal Supplement Series, 189, 15 [A 213]**.

1. Ilić, D., Popović, L. Č., Ciroi, S., La Mura, G., Rafanelli, P.: 2010, *Physical properties of the broad line region in active galactic nuclei*, Journal of Physics Conference Series **257**, 012034.
2. Kovačević, J., Popović, L. Č.: 2010, *Contributions of starburst regions in AGN spectra*, Publ. Astron. Obs. Belgrade **89**, 345.
3. Popović, L. Č., Jovanović, P.: 2010, *Spectral line shapes as a tool for investigation of kinematics and physics of plasma in quasars,* Memorie della Societa Astronomica Italiana Supplementi, **15**, 44.
4. Shields, G. A., Ludwig, R. R., Salviander, S.: 2010, *Fe II Emission in Active Galactic Nuclei: The Role of Total and Gas-Phase Iron Abundance*, Astrophysical Journal, **721**, 1835.
5. Dong Xiao-Bo, Wang Jian-Guo, Ho Luis C., Wang Ting-Gui, Fan Xiaohui, Wang Huiyuan, Zhou Hongyan, Yuan Weimin, 2011, *What Controls the Fe II Strength in Active Galactic Nuclei?*, Astrophysical Journal, **736**, 86.
6. Kovačević, J.: 2011, *Spectral Properties of AGN with Very Weak [O III] Lines,*Serbian Astronomical Journal **182**, 17.

7. La Mura, G., Ciroi, S., Cracco, V., Ilic, D., Popovic, L., Rafanelli, P.: 2011, *Emission line profiles and X-ray observations of broad and narrow line Seyfert 1 galaxies,* Proceedings of the conference "Narrow-Line Seyfert 1 Galaxies and their place in the Universe". April 4-6, 2011. Milano, Italy. Ed. Luigi Foschini, Published online at http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=126, id.56"
8. Popović, L. Č., Kovačević, J.: 2011, *Optical Emission-line Properties of a Sample of the Broad-line Active Galactic Nuclei: The Baldwin Effect and Eigenvector 1,* Astrophysical Journal, **738**, 68.
9. Shapovalova, A. I., Popović, L. Č, Ilić, D., Kovačević, A., Kovačević, J., Burenkov, A. N., Chavushyan, V. H.: 2011, *Spectral monitoring of AGN: Preliminary results for Ark 564 and Arp 102b*, Baltic Astronomy **20,** 476.
10. Zhang Kai, Dong Xiao-Bo, Wang Ting-Gui. Gaskell, C. M.: 2011, *The Blueshifting and Baldwin Effects for the [O III] λ5007 Emission Line in Type 1 Active Galactic Nuclei,* Astrophysical Journal, **737**, 717.
11. Baitian Tang, Shang Zhaohui, Gu Qiusheng, Brotherton Michael S., Runnoe Jessie C.: 2012, *The Optical and Ultraviolet Emission-line Properties of Bright Quasars with Detailed Spectral Energy Distributions,* Astrophysical Journal, Supplement, **201**, 38.
12. Davis Timothy A., Krajnović Davor, McDermid Richard M., Bureau Martin, Sarzi Marc, Nyland Kristina, Alatalo Katherine, Bayet Estelle, Blitz Leo, Bois Maxime, Bournaud Frédéric, Cappellari Michele, Crocker Alison, Davies Roger L., de Zeeuw P. T., Duc Pierre-Alain, Emsellem Eric, Khochfar Sadegh, Kuntschner Harald, Lablanche Pierre-Yves, Morganti Raffaella, Naab Thorsten, Oosterloo Tom, Scott Nicholas, Serra Paolo, Weijmans Anne-Marie, Young Lisa M.: 2012, *Gemini GMOS and WHT SAURON integral-field spectrograph observations of the AGN-driven outflow in NGC 1266*, Monthly Notices of the Royal Astronomical Society, **426**, 1574.
13. D'Onofrio Mauro, Paola Marziani, Jack W. Sulentic, Greg Shields, Martin Gaskell, Todd Boroson, Ari Laor, Michael Hawkins, Vladimir Pronik, Sergey Sergeev, Deborah Dultzin, Dirk Grupe, Gordon Richards, Raffaella Morganti, Aleksander Volvach, Sebastian Zamfir, Heino Falcke, Elmar Körding, Martin Elvis, Tracey Jane Turner, Ajit Kembhavi, Luigi Foschini,Yuri Neshpor, Alberto Franceschini: 2012, *Quasars in the Life of Astronomers*, Fifty Years of Quasars, Astrophysics and Space Science Library **386,** 11.
14. D'Onofrio Mauro, Paola Marziani, Jack W. Sulentic, Suzy Collin, Giancarlo Setti, Martin Gaskell, Joe Wampler, Martin Elvis, Iraida Pronik, Vladimir Pronik, Sergey Sergeev, Aleksander Volvach,Julian Krolik, Hagai Netzer, Alfonso Cavaliere, Paolo Padovani, Halton Arp, Jayant Narlikar: 2012, *Quasars: The Observational Perspectives*, Fifty Years of Quasars, Astrophysics and Space Science Library **386,** 91.

15. Ilić, D., Popović, L. Č., Ciroi, S., La Mura, G., Rafanelli, P.: 2012, *The analysis of the broad hydrogen Balmer line ratios: Possible implications for the physical properties of the broad line region of AGNs*, Astronomy and Astrophysics **543**, A142.
16. Ji, Tuo, Wang, Ting-Gui, Zhou, Hong-Yan, Wang, Hui-Yuan: 2012, *Discovery of Balmer broad absorption lines in the quasar LBQS 1206+1052,* Research in Astronomy and Astrophysics, **12**, 369.
17. Kovačević, J., Popović, L. Č.: 2012, *The properties of emission lines and their correlations in spectra of Active Galactic Nuclei,* Journal of Physics: Conference Series, **399**, 012023.
18. Ludwig, R. R., Greene, J. E., Barth, A. J., Ho, L. C.: 2012, *Physical Properties of the Narrow-line Region of Low-mass Active Galaxies*, Astrophysical Journal, **756**, 51.
19. Marziani, P., Sulentic, J. W.: 2012, *Estimating black hole masses in quasars using broad optical and UV emission lines,* New Astronomy Reviews, **56**, 49.
20. Marziani, Paola, Sulentic, Jack W.: 2012*, Quasar Outflows in the 4D Eigenvector 1 Context*, Astronomical Review, **7**, 33.
21. Shapovalova, A. I., Popović, L. Č, Burenkov, A. N., Chavushyan, V. H., Ilić, D., Kovačević, A., Kollatschny, W., Kovačević, J., Bochkarev, N. G., Valdes, J. R., Torrealba, J., León-Tavares, J., Mercado, A., Benítez, E., Carrasco, L., Dultzin, D., de la Fuente, E.: 2012*, Spectral Optical Monitoring of the Narrow-line Seyfert 1 Galaxy Ark 564*, Astrophysical Journal Supplement, **202,** 10.
22. Sulentic, Jack W., Marziani, Paola, Zamfir, Sebastian, Meadows, Zachary A.: 2012, *No Evidence for a Systematic Fe II Emission Line Redshift in Type 1 Active Galactic Nuclei*, Astrophysical Journal Letters, **752**, L7.
23. Barth, A. J., Pancoast, A., Bennert, V. N., Brewer, B. J., Canalizo, G., Filippenko, A. V., Gates, E. L., Greene, J. E., Li, Weidong, Malkan, M. A., Sand, D. J., Stern, D., Treu, T., Woo, Jong-Hak, Assef, R. J., Bae, Hyun-Jin, Buehler, T., Cenko, S. B., Clubb, K. I., Cooper, M. C., Diamond-Stanic, A. M., Hönig, S. F., Joner, M. D., Laney, C. D., Lazarova, M. S., Nierenberg, A. M., Silverman, J. M., Tollerud, E. J., Walsh, J. L.: 2013, *The Lick AGN Monitoring Project 2011: Fe II Reverberation from the Outer Broad-line Region*, Astrophysical Journal, **769**, 128.
24. Doi, Akihiro, Asada, Keiichi, Fujisawa, Kenta, Nagai, Hiroshi, Hagiwara, Yoshiaki, Wajima, Kiyoaki. Inoue, Makoto: 2013, Very Long Baseline Array Imaging of Parsec-scale Radio Emissions in Nearby Radio-quiet Narrow-line Seyfert 1 Galaxies, Astrophysical Journal, **765**, 69.
25. Harris, Kathryn A., Williger, G. M., Haberzettl, L., Mitchell, S., Farrah, D., Graham, M. J., Davé, R., Younger, M. P., Söchting, I. K.: 2013, *Evidence of increased UV Fe II emission in quasars in candidate overdense regions*, Monthly Notices of the Royal Astronomical Society, **435**, 3125

26. Marziani, P., Sulentic, J. W., Plauchu-Frayn, I., del Olmo, A.: 2013, *Is MgIIλ2800 a reliable virial broadening estimator for quasars?*, Astronomy and Astrophysics, **555**, A89.
27. Popović, L. Č., Ilić, D.: 2013, *Plasma Conditions in Different Emitting Regions of Active Galactic Nuclei*, Space Plasma Physics, eds. Zhelyazkov, I., Mishonov, T., AIP Conference Proceedings, **1551**, 19.
28. Zhang, Kai, Wang, Ting-Gui, Gaskell, C. Martin, Dong, Xiao-Bo: 2013, *The Baldwin Effect in the Narrow Emission Lines of Active Galactic Nuclei*, Astrophysical Journal Letters, **762**, 51.
29. Zhang, Xue-Guang: 2013, *More evidence for the intermediate broad line region of the mapped AGN PG 0052+251*, Monthly Notices of the Royal Astronomical Society, **434**, 2664
30. Brusa, M., Bongiorno, A., Cresci, G., Perna, M., Marconi, A., Mainieri, V., Maiolino, R., Salvato, M., Lusso, E., Santini, P., Fiore, F., Gilli, R., Franca, F. La, Lanzuisi, G., Lutz, D., Merloni, A., Mignoli, M., Onori, F., Piconcelli, E., Rosario, D., Vignali, C., Zamorani, G., Comastri, A.: 2014, *X-shooter reveals powerful outflows in z ˜ 1.5 X-ray selected obscured quasi-stellar objects*, Monthly Notices of the Royal Astronomical Society, **446**, 2394.
31. Jevremović Darko: 2014, *Astroinformatics in Serbia – from small virtual observatory to involvement in LSST*, New challenges in astro- and environmental informatics in the Big Data era, Proceedings of the workshop, Szombathely, Hungary, 14-16 May, 2014, eds. J. Kovács, Gy. M. Szabó, Gothard Astrophysical Observatory of Eötvös Loránd University in conjunction with Vas County Scientific Educational Association, 35.
32. Kovačević Dojčinović, J., Popović, L. Č.: 2014, *The location of the UV Fe II emitting region in the structure of the active galactic nuclei, 2*7th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2014, Contributed papers and abstracts of Invited lectures, Topical invited lectures, Progress reports and Workshop lectures, eds. D. Marić, A. R. Milosavljević, Z. Mijatović, Institute of Physics, University of Belgrade and Serbian Academy of Sciences and Arts, Belgrade, 489.
33. Kovačević, J. Popović, L. Č., Kollatschny, W.: 2014, *A model for the Balmer pseudocontinuum in spectra of type 1 AGNs*, Advances in Space Research, **54**, 1347.
34. Zhang, Xue-Guang: 2014, *Optically selected BLR-less active galactic nuclei from the SDSS Stripe82 Database - I. The sample*, Monthly Notices of the Royal Astronomical Society, **438**, 557.
35. Aaron J. Barth, Vardha N. Bennert, Gabriela Canalizo, Alexei V. Filippenko, Elinor L. Gates, Jenny E. Greene, Weidong Li, Matthew A. Malkan, Anna Pancoast, David J. Sand, Daniel Stern, Tommaso Treu, Jong-Hak Woo, Roberto J. Assef, Hyun-Jin Bae, Brendon J. Brewer, S.

Bradley Cenko, Kelsey I. Clubb, Michael C. Cooper, Aleksandar M. Diamond-Stanic, Kyle D. Hiner, Sebastian F. Hönig, Eric Hsiao, Michael T. Kandrashoff, Mariana S. Lazarova, A. M. Nierenberg, Jacob Rex, Jeffrey M. Silverman, Erik J. Tollerud, Jonelle L. Walsh: 2015, *The Lick AGN Monitoring Project 2011: Spectroscopic Campaign and Emission-line Light Curves*, Astrophysical Journal Supplement Series, **217**, 26.

36. Berton, M., Foschini, L., Ciroi, S., Cracco, V., La Mura, G., Lister, M. L., Mathur, S., Peterson, B. M., Richards, J. L., Rafanelli, P.: 2015, *Parent population of flat-spectrum radio-loud narrow-line Seyfert 1 galaxies,* Astronomy and Astrophysics, **578**, A28.
37. Foschini, L., Berton, M., Caccianiga, A., Ciroi, S., Cracco, V., Peterson, B. M., Angelakis, E., Braito, V., Fuhrmann, L., Gallo, L., Grupe, D., Järvelä, E., Kaufmann, S., Komossa, S., Kovalev, Y. Y., Lähteenmäki, A., Lisakov, M. M., Lister, M. L., Mathur, S., Richards, J. L., Romano, P., Sievers, A., Tagliaferri, G., Tammi, J., Tibolla, O., Tornikoski, M., Vercellone, S., La Mura, G., Maraschi, L., Rafanelli, P.: 2015, *Properties of flat-spectrum radio-loud narrow-line Seyfert 1 galaxies*, Astronomy and Astrophysics, **575**, A13.
38. Kovačević-Dojčinović Jelena, Popović Luka Č.: 2015, *The Connections Between the UV and Optical Fe ii Emission Lines in Type 1 AGNs*, Astrophysical Journal Supplement, **221**, 35.
39. Rashed, Y. E., Eckart, A., Valencia-S. M., Garcıa-Marın, M., Busch, G., Zuther, J., Horrobin, M., Zhou, H.: 2015, *Line and continuum variability in active galaxies*, Monthly Notices of the Royal Astronomical Society, **454**, 2918.
40. Valenti, S., Sand, D. J., Barth, A. J., Horne, K., Treu, T., Raganit, L., Boroson, T., Crawford, S., Pancoast, A., Pei, L., Romero-Colmenero, E., Villforth, C., Winkler, H.: 2015, *Robotic Reverberation Mapping of ARP 151*, Astrophysical Journal Letters **813**, L36.
41. Zhang, Xue-Guang: 2015, *Are the broad optical Balmer lines in PG 1613+658 from the central accretion disc?*, Monthly Notices of the Royal Astronomical Society, **447**, L35.
42. Berton, M., Foschini, L., Ciroi, S., Cracco, V., La Mura, G., Di Mille, F., Rafanelli, P.: 2016, *[O III] line properties in two samples of radio-emitting narrow-line Seyfert 1 galaxies*, Astronomy and Astrophysics, **591**, A88.
43. Bon, E., Zucker, S., Netzer, H., Marziani, P., Bon, N., Jovanović, P., Shapovalova, A. I., Komossa, S., Gaskell, C. M., Popović, L. Č., Britzen, S., Chavushyan, V. H., Burenkov, A. N., Sergeev, S., La Mura, G., Valdés, J. R., Stalevski, M.: 2016, *Evidence for Periodicity in 43 year-long Monitoring of NGC 5548*, Astrophysical Journal Supplement Series, **225**, 29.
44. Cracco, V., Ciroi, S., Berton, M., Di Mille, F., Foschini, L., La Mura, G., Rafanelli, P.: 2016, *A spectroscopic analysis of a sample of narrow-line*

Seyfert 1 galaxies selected from the Sloan Digital Sky Survey, Monthly Notices of the Royal Astronomical Society, **462**, 1256.
45. Jonić, S., Kovačević-Dojčinović, J., Ilić, D., Popović, L. Č.: 2016, *Virilization of the Broad Line Region in Active Galactic Nuclei—connection between shifts and widths of broad emission lines*, Astrophysics and Space Science, **361**, 101.
46. Kovačević Dojčinović Jelena, Popović, Luka Č: 2016, *Stratification in the broad line region of Active Galactic Nuclei: Hβ vs. Hγ line shapes*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 409.
47. Marinello, M., Rodríguez-Ardila, A., Garcia-Rissmann, A., Sigut, T. A. A., Pradhan, A. K.: 2016, *The Fe II Emission in Active Galactic Nuclei: Excitation Mechanisms and Location of the Emitting Region*, Astrophysical Journal **820**, 116.
48. Patiño-Álvarez, V. M., Torrealba, J., Chavushyan, V., Cruz-González, I., Arshakian, T., León-Tavares, J., Popović, L. Č.: 2016, *Baldwin Effect and Additional BLR Component in AGN with Superluminal Jets*, Frontiers in Astrophysics and Space Sciences **3**, 19.
49. Runco Jordan N., Cosens Maren, Bennert Vardha N., Scott Bryan, Komossa S., Malkan Matthew A., Lazarova Mariana S., Auger Matthew W., Treu Tommaso, Park Daeseong: 2016, *Broad Hβ Emission-line Variability in a Sample of 102 Local Active Galaxies*, Astrophysical Journal **821**, 33.
50. Schnorr-Müller Allan, Davies, R. I., Korista, K. T., Burtscher, L., Rosario, D., Storchi-Bergmann, T., Contursi, A., Genzel, R., Graciá-Carpio, J., Hicks, E. K. S., Janssen, A., Koss, M., Lin, M.-Y., Lutz, D., Maciejewski, W., Müller-Sánchez, F., Orban de Xivry, G., Riffel, R., Riffel Rogemar A., Schartmann, M., Sternberg, A., Sturm, E., Tacconi, L., Veilleux, S., Ulrich, O. A.: 2016, *Constraints on the broad-line region properties and extinction in local Seyferts*, Monthly Notices of the Royal Astronomical Society, **462**, 3570.
51. Shapovalova, A. I., Popović, L. Č., Chavushyan, V. H., Burenkov, A. N., Ilić, D., Kollatschny, W., Kovačević, A., Valdes, J. R., Patino-Alvarez, V., Leon-Tavares, J., Torrealba, J., Zhdanova, V. E.: 2016, *First long-term optical spectro-photometric monitoring of a binary black hole candidate E1821+643: I. Variability of spectral lines and continuum,* Astrophysical Journal Supplement Series, **222**, 25.
52. Zhang Xue-Guang, Feng Long-Long: 2016, *Apparent [O III] variability in the narrow line Seyfert I Mrk142*, Monthly Notices of the Royal Astronomical Society, **457**, L64.

53. Zhang Xue-Guang, Feng Long-Long: 2016, *To test dual supermassive black hole model for broad line active galactic nucleus with double-peaked narrow [O III] lines*, Monthly Notices of the Royal Astronomical Society, **457**, 3878.
54. Berton Marco, Luigi Foschini, Alessandro Caccianiga, Stefano Ciroi, Enrico Congiu, Valentina Cracco, Michele Frezzato, Giovanni La Mura, Piero Rafanelli: 2017, *An Orientation-Based Unification of Young Jetted AGN: The Case of 3C 286*, Frontiers in Astronomy and Space Sciences **4**, 8.
55. Grier, C. J., Pancoast, A., Barth, A. J., Fausnaugh, M. M., Brewer, B. J., Treu, T., Peterson, B. M.: 2017, *The Structure of the Broadline Region in Active Galactic Nuclei*. *II*. *Dynamical Modeling of Data From the AGN10 Reverberation Mapping Campaign*, Astrophysical Journal **849**, 146.
56. Ilić Dragana, Shapovalova Alla I., Popović, Luka Č., Chavushian Vahram, Burenkov Aleksandar N., Kollatschny Wolfram, Kovačević Andjelka, Marčeta-Mandić Sladjana, Rakić Nemanja, La Mura Giovanni, Rafanelli Piero: 2017, *Long-Term Monitoring of the Broad-Line Region Properties in a Selected Sample of AGN*, Frontiers in Astronomy and Space Sciences **4**, 12.
57. Jin Chichuan, Done Chris, Ward Martin, Gardner Emma: 2017, *Super-Eddington QSO RX J0439.6-5311 - II. Multiwavelength constraints on the global structure of the accretion flow*, Monthly Notices of the Royal Astronomical Society, **471**, 706.
58. Kovačević-Dojčinović Jelena, Marčeta-Mandić Sladjana, Popović Luka Č.: 2017, *Black Hole Mass Estimation in Type 1 AGN: Hβ vs*. *Mg II Lines and the Role of Balmer Continuum*, Frontiers in Astronomy and Space Science, **4**, 7.
59. Kovačević-Dojčinović, J., Popović, L. Č.: 2017, *Spectral characteristics of the AGNs Type 1 in UV/optical band*, Astronomical and Astrophysical Transactions **30**, 367.
60. Lakićević Maša, Kovačević-Dojčinović Jelena, Popović Luka Č.: 2017, *The optical versus mid-infrared spectral properties of 82 Type 1 AGNs: coevolution of AGN and starburst*, Monthly Notices of the Royal Astronomical Society, **472**, 334.
61. Park Songyoun, Woo Jong-Hak, Romero-Colmenero Encarni, Crawford Steven M., Park Dawoo, Cho Hojin, Jeon Yiseul, Choi Changsu, Barth Aaron J., Pei Liuyi, Hickox Ryan C., Sung Hyun-Il, Im Myungshin: 2017, *Reverberation Mapping of PG 0934+013 with the Southern African Large Telescope*, Astrophysical Journal Supplement Series, **847**, 125.
62. Pei, L., Fausnaugh, M. M., Barth, A. J., Peterson, B. M., Bentz, M. C., De Rosa, G., Denney, K. D., Goad, M. R., Kochanek, C. S., Korista, K. T., Kriss, G. A., Pogge, R. W., Bennert, V. N., Brotherton, M., Clubb, K.

I., Dalla Bontà, E., Filippenko, A. V., Greene, J. E., Grier, C. J., Vestergaard, M., Zheng, W., Adams Scott M., Beatty Thomas G., Bigley, A., Brown Jacob E., Brown Jonathan S., Canalizo, G., Comerford, J. M., Coker, Carl T., Corsini, E. M., Croft, S., Croxall, K. V., Deason, A. J., Eracleous Michael, Fox, O. D., Gates, E. L., Henderson, C. B., Holmbeck, E., Holoien, T. W.-S., Jensen, J. J., Johnson, C. A., Kelly, P. L., Kim, S., King, A., Lau, M. W., Li Miao, Lochhaas Cassandra, Ma Zhiyuan, Manne-Nicholas, E. R., Mauerhan, J. C., Malkan, M. A., McGurk, R., Morelli, L., Mosquera Ana, Mudd Dale, Muller Sanchez F., Nguyen, M. L., Ochner, P., Ou-Yang, B., Pancoast, A., Penny Matthew T., Pizzella, A., Poleski Radosław, Runnoe Jessie, Scott, B., Schimoia Jaderson S., Shappee, B. J., Shivvers, I., Simonian Gregory V., Siviero, A., Somers Garrett, Stevens Daniel J., Strauss, M. A., Tayar Jamie, Tejos, N., Treu, T., Van Saders, J., Vican, L., Villanueva, S. Jr., Yuk, H., Zakamska, N. L., Zhu, W., Anderson, M. D., Arévalo, P., Bazhaw, C., Bisogni, S., Borman, G. A., Bottorff, M. C., Brandt, W. N., Breeveld, A. A., Cackett,E. M., Carini, M. T., Crenshaw, D. M., De Lorenzo-Cáceres, A., Dietrich, M., Edelson, R., Efimova, N. V., Ely, J., Evans, P. A., Ferland, G. J., Flatland, K., Gehrels, N., Geier, S., Gelbord, J. M., Grupe, D., Gupta, A., Hall, P. B., Hicks, S., Horenstein, D., Horne Keith, Hutchison, T., Im, M., Joner, M. D., Jones, J., Kaastra, J., Kaspi, S., Kelly, B. C., Kennea, J. A., Kim, M., Kim, S. C., Klimanov, S. A., Lee, J. C., Leonard, D. C., Lira, P., MacInnis, F., Mathur, S., McHardy, I. M., Montouri, C., Musso, R., Nazarov, S. V., Netzer, H., Norris, R. P., Nousek, J. A., Okhmat, D. N., Papadakis, I., Parks, J. R., Pott, J.-U., Rafter, S. E., Rix, H.-W., Saylor, D. A., Schnülle, K., Sergeev, S. G., Siegel, M., Skielboe, A., Spencer, M., Starkey, D., Sung, H.-I., Teems, K. G., Turner, C. S., Uttley, P., Villforth, C., Weiss, Y., Woo, J.-H., Yan, H., Young, S., Zu, Y.: 2017, *Space Telescope and Optical Reverberation Mapping Project*. *V*. *Optical Spectroscopic Campaign and Emission-line Analysis for NGC 5548*, Astrophysical Journal, **837**, 131.

63. Perna, M., Lanzuisi, G., Brusa, M., Mignoli, M., Cresci, G.: 2017, *An X-ray/SDSS sample*. *I. Multi-phase outflow incidence and dependence on AGN luminosity*, Astronomy and Astrophysics, **603,** A99.
64. Rakić, N., La Mura, G., Ilić, D., Shapovalova, A. I., Kollatschny, W., Rafanelli, P., Popović, L. Č.: 2017, *The intrinsic Baldwin effect in broad Balmer lines of six long-term monitored AGNs*, Astronomy and Astrophysics, **603,** A49.
65. Rakshit Suvendu, Stalin, C. S., Chand Hum, Zhang Xue-Guang: 2017, *A Catalog of Narrow Line Seyfert 1 Galaxies from the Sloan Digital Sky Survey Data Release 12*, Astrophysical Journal Supplement Series, **229**, 39.
66. Scharwächter, J., Husemann, B., Busch, G., Komossa, S., Dopita, M. A., 2017, S*patially Resolved Spectroscopy of Narrow-line Seyfert 1 Host Galaxies,* Astrophysical Journal, **848**, 35.

67. Shapovalova Alla I., Popović, L. Č., Chavushyan, V. H., Afanasiev, V. L., Ilić, D., Kovačević, A., Burenkov, A. N., Kollatschny, W., Spiridonova, O., Valdes, J. R., Bochkarev, N. G., Patino-Alvarez, V., Carrasco, L., Zhdanova, V. E.: 2017, *Long-term optical spectral monitoring of NGC 7469*, Monthly Notices of the Royal Astronomical Society, **466**, 4759.
68. Zhang Xue-Guang, Feng Long-Long: 2017, *Effects of extended components of [O iii] on the correlation between the [O III] luminosity and the power-law continuum luminosity for active galactic nuclei*, Monthly Notices of the Royal Astronomical Society, **468**, 620.
69. Alexeeva Sofya, Ryabchikova Tatiana, Mashonkina Lyudmila, Hu Shaomin: 2018, *NLTE Line Formation for Mg I and Mg II in the Atmospheres of B–A–F–G–K Stars,* Astrophysical Journal, **866** 153.
70. Berton, M., Congiu,,E., Järvelä, E., Antonucci, R., Kharb, P., Lister, M. L., Tarchi, A., Caccianiga, A., Chen, S., Foschini, L., Lähteenmäki, A., Richards, J. L., Ciroi, S., Cracco, V., Frezzato, M., La Mura, G., Rafanelli, P.: 2018, *Radio-emitting narrow-line Seyfert 1 galaxies in the JVLA perspective*, Astronomy and Astrophysics, **614**, A87.
71. Chen, S., Berton, M., La Mura, G., Congiu, E., Cracco, V., Foschini, L., Fan, J. H., Ciroi, S., Rafanelli, P., Bastieri, D.: 2018, *Probing narrow-line Seyfert 1 galaxies in the southern hemisphere,* Astronomy and Astrophysics, **615**, A167.
72. Järvelä, E., Lähteenmäki, A., Berton, M.: 2018, *Near-infrared morphologies of the host galaxies of narrow-line Seyfert 1 galaxies,* Astronomy and Astrophysics, **619**, 69.
73. Marčeta-Mandić Sladjana, Kovačević-Dojčinović Jelena, Popović Luka Č.: 2018, *The spectral lines as a tool for black hole mass estimation in active galactic nuclei,* 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 289.
74. Martín-Navarro, I., Mezcua, M.: 2018, *Exploring the Limits of AGN Feedback: Black Holes and the Star Formation Histories of Low-mass Galaxies*, Astrophysical Journal Letters, **855**, L20.
75. Martínez-Aldama, M. L., del Olmo, A., Marziani, P., Sulentic, J. W., Negrete, C. A., Dultzin, D., D'Onofrio, M., Perea, J.: 2018, *Extreme quasars at high redshift,* Astronomy and Astrophysics, **618**, A179.
76. Mediavilla, E., Jiménez-Vicente, J., Fian, C., Muñoz, J. A., Falco, E., Motta, V., Guerras, E.: 2018, *Systematic Redshift of the Fe III UV Lines in Quasars: Measuring Supermassive Black Hole Masses under the Gravitational Redshift Hypothesis,* Astrophysical Journal, **862**, 104.
77. Negrete, C. A., Dultzin, D., Marziani, P., Esparza, D., Sulentic, J. W., del Olmo, A., Martínez-Aldama, M. L., García López, A., D'Onof-

rio, M., Bon, N., Bon, E.: 2018, Highly accreting quasars: The SDSS low-redshift catalog, Astronomy and Astrophysics, **620**, A118.
78. Pancoast, A., Barth, A. J., Horne, K., Treu, T., Brewer, B. J., Bennert, V. N., Canalizo, G., Gates, E. L., Li, W., Malkan, M. A., Sand, D., Schmidt, T., Valenti, S., Woo, J.-H., Clubb, K. I., Cooper, M. C., Crawford, S. M., Hönig, S. F., Joner, M. D., Kandrashoff, M. T., Lazarova, M., Nierenberg, A. M., Romero-Colmenero, E., Son, D., Tollerud, E., Walsh, J. L., Winkler, H.: 2018, *Stability of the Broad-line Region Geometry and Dynamics in Arp 151 Over Seven Years*, Astrophysical Journal, **856**, 108.
79. Popović, L. Č., Ilić, D., Bon, E., Bon, N., Jovanović, P., Kovačević, A., Kovačević-Dojčinović, J., Lakićević, M., Marčeta-Mandić, S., Rakić, N., Savić, Dj., Simić, S., Stalevski, M.: 2018, *Spectroscopy and spectropolarimetry of AGN: from observations to modelling*, Proceedings of the XVIII Serbian Astronomical Conference, Belgrade, October 17 – 21, 2017 eds. L. Č. Popović, D. Urošević, R. Pavlović, Publications of the Astronomical Observatory of Belgrade, **98**, 49.
80. Rakić, N., Ilić, D., Popović, L. Č.: 2018, *The intrinsic Baldwin effect in NLSy 1 galaxies,* Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe, Padova Botanical Garden, Italy / 9-13 April 2018, Proceedings of Science, (NLS1 - 2018) 053.
81. Rakshit Suvendu, Woo Jong-Hak: 2018, *A Census of Ionized Gas Outflows in Type 1 AGNs: Gas Outflows in AGNs. V.,* Astrophysical Journal, **865**, 5.
82. Schmidt, E. O., Oio, G. A., Ferreiro, D., Vega, L., Weidmann, W.: 2018, *Asymmetric emission of the [OIII]λ5007 profile in narrow-line Seyfert 1 galaxies,* Astronomy and Astrophysics, **615**, 13.
83. Śniegowska, M., Czerny, B., You, B., Panda, S., Wang, J.-M., Hryniewicz, K., Wildy, C.: 2018, *Properties of active galaxies at the extreme of Eigenvector 1,* Astronomy and Astrophysics, **613**, 38.
84. Vietri, A., Berton, M., Ciroi, S., Congiu, E., La Mura, G., Cracco, V., Frezzato, M., Chen, S., Cattapan, A., Peruzzi, T., Rafanelli, P.: 2018, *The link between X-ray complexity and optical lines in NLS1s,* Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe, Padova Botanical Garden, Italy / 9-13 April 2018, Proceedings of Science, (NLS1 - 2018) 047.
85. Villforth Carolin, Underwood Tom L., Tolson Mark, Modha Nikhil: 2018, *A simple non-parametric method for resolving merged doublet lines: insights into complex kinematics and outflows,* Monthly Notices of the Royal Astronomical Society, **481**, 3782.
86. Williams Peter R., Pancoast Anna, Treu Tommaso, Brewer Brendon J., Barth Aaron J., Bennert Vardha N., Buehler Tabitha, Canalizo Gabriela, Cenko S. Bradley, Clubb Kelsey I., Cooper Michael C., Filippenko Alexei V., Gates Elinor, Hoenig Sebastian F., Joner Michael D., Kandrashoff Michael T. Laney Clifton David, Lazarova Mariana S.,

Li Weidong, Malkan Matthew A., Rex Jacob, Silverman Jeffrey M., Tollerud Erik, Walsh Jonelle L., Woo Jong-Hak: 2018, *The Lick AGN Monitoring Project 2011: Dynamical Modeling of the Broad-line Region,* Astrophysical Journal, **866**, 75.

87. Baron Dalya, Ménard Brice: 2019, *Black hole mass estimation for active galactic nuclei from a new angle*, Monthly Notices of the Royal Astronomical Society, **487**, 3404.
88. Huang Hong-qiang, Lu Wei-jian, Lin Ying-ru (黄红强, 陆伟坚, 林樱如): 2019, 活动星系核FeII发发射线的研究进展 *(Progress on FeII Emission Lines of Active Galactic Nuclei)*, 天文学进展 (Progress in Astronomy) **37(2)**, 148.
89. Husemann, B., Scharwächter, J., Davis, T. A., Pérez-Torres, M., Smirnova-Pinchukova, I., Tremblay, G. R., Krumpe, M., Combes, F., Baum, S. A., Busch, G., Connor, T., Croom, S. M., Gaspari, M., Kraft, R. P., O'Dea, C. P., Powell, M., Singha, M., Urrutia, T.: 2019, T*he Close AGN Reference Survey (CARS). A massive multi-phase outflow impacting the edge-on galaxy HE 1353-1917*, Astronomy and Astrophysics, **627**, A53.
90. Le Huynh Anh N., Woo Jong-Hak: 2019, *Comparison of the UV and Optical Fe II Emission in Type 1 AGNs,* Astrophysical Journal, **887**, 236L.
91. Li Yan-Rong, Wang Jian-Ming, Zhang Zhi-Xiang, Wang Kai, Huang Ying-Ken, Lu Kai-Xing, Hu Chen, Du Pu, Bon Edi, Ho Luis C., Bai Jin-Ming, Bian Wei-Hao, Yuan We-Fei, Winkler H. Artmut, Denissyuk Eduardo K., Valiullin Rashit R., Bon Nataša, Popovic Luka Č.: 2019, *A Possible ~ 20-Year Periodicity in Long-term Optical Photometric and Spectral Variations of the Nearby Radio-Quiet Active Galactic Nucleus Ark 120*, Astrophysical Journal Supplement Series, **241**, 33.
92. Ma Bin, Shang Zhaohui, Brotherton Michael S.: 2019, *Spectral principal component analysis of the Hβ region of low-redshift SDSS quasars*, Research in Astronomy and Astrophysics, **19**, 169.
93. Oio Gabriel A., Vega Luis R., Schmidt Eduardo O., Ferreiro Diego: 2019, *Characterisation of the continuum and kinematical properties of nearby NLS1*, Astronomy and Astrophysics, **629**, A50.
94. Panda Swayamtrupta, Marziani Paola, Czerny Bożena: 2019, *The Quasar Main Sequence Explained by the Combination of Eddington Ratio, Metallicity, and Orientation*, Astrophysical Journal, **882**, 79.
95. Popović Luka Č., Kovačević-Dojčinović Jelena, Marčeta-Mandić Sladjana: 2019, *The structure of the Mg II broad line emitting region in Type 1 AGNs*, Astronomy and Astrophysics, **629**, A50.
96. Temple Matthew J., Banerji Manda, Hewett Paul C., Coatman Liam, Maddox Natasha, Peroux Celine: 2019, *[O III] Emission line properties in a new sample of heavily reddened quasars at z > 2*, Monthly Notices of the Royal Astronomical Society, **487**, 2594.

97. Wevers, T., Pasham, D. R., van Velzen, S., Leloudas, G., Schulze, S., Miller-Jones, J. C. A., Jonker, P. G., Gromadzki, M., Kankare, E., Hodgkin, S. T., Wyrzykowski, Ł., Kostrzewa-Rutkowska, Z., Moran, S., Berton, M., Maguire, K., Onori, F., Mattila, S., Nicholl, M.: 2019, E*vidence for rapid disc formation and reprocessing in the X-ray bright tidal disruption event candidate AT 2018fyk*, Monthly Notices of the Royal Astronomical Society, **488**, 4816.
98. Berton, M., Björklund, I., Löahteenmöaki, M., Congiu, E., Järvelä, E., Terreran, G., La Mura, G.: 2020, *Line shapes in narrow-line Seyfert 1 galaxies: a tracer of physical properties?* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 270.
99. Fernandes, S., Patiño-Álvarez, V. M., Chavushyan, V., Schlegel, E. M., Valdés, J. R.: 2020, *Multiwavelength analysis of the variability of the blazar 3C 273,* Monthly Notices of the Royal Astronomical Society, **497**, 2066.
100. Hu Chen, Li Sha-Sha,,Guo Wei-Jian,,Yang Sen, Yang Zi-Xu, Bao Dong-Wei, Jiang Bo-Wei, Du Pu, Li Yan-Rong, Xiao Ming, Songsheng Yu-Yang, Yu Zhe, Bai Jin-Ming, Ho Luis C., Bian Wei-Hao, Brotherton Michael S., Yuan Ye-Fei, Aceituno Jesús, Winkler Hartmut, Wang Jian-Min, SEAMBH Collaboration: 2020, *Evidence for Two Distinct Broad-line Regions from Reverberation Mapping of PG 0026+129,* Astrophysical Journal, **905**, 75.
101. Ilić, D., Oknyansky, V., Popović, L. Č., Tsygankov, S. S., Belinski, A. A., Tatarnikov, A. M., Dodin, A. V., Shatsky, N. I., Ikonnikova, N. P., Rakić, N., Kovačević, A., Marčeta-Mandić, S., Burlak, M. A., Mishin, E. O., Metlova, N. V., Potanin, S. A., Zheltoukhov, S. G.: 2020, *A flare in the optical spotted in the changing-look Seyfert NGC 3516,* Astronomy and Astrophysics, **638**, A13.
102. Janko, I., Ilic, D.: 2020, *Narrow lines correlations in an SDSS sample of type 1 quasars,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 350.
103. Marasco, A., Cresci, G., Nardini, E., Mannucci, F., Marconi, A., Tozzi, P., Tozzi, G., Amiri, A., Venturi, G., Piconcelli, E., Lanzuisi, G., Tombesi, F., Mingozzi, M., Perna, M., Carniani, S., Brusa, M., di Serego Alighieri, S.: 2020, *Galaxy-scale ionised winds driven by ultra-fast outflows in two nearby quasars*, Astronomy and Astrophysics, **644**, A15.
104. Marčeta-Mandić Sladjana, Kovačević Dojčinović Jelena, Popović Luka Č.: 2020, *Virilization of the broad Hα emission region in active galactic nuclei type 1,* Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24-28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 303.

105. Marinello Murilo, Rodríguez-Ardila Alberto, Marziani Paola, Sigut Aaron, Pradhan Anil: 2020, *Panchromatic properties of the extreme Fe II emitter PHL 1092,* Monthly Notices of the Royal Astronomical Society, **494**, 4187.
106. Nierenberg, A. M., Gilman, D., Treu, T., Brammer, G., Birrer, S., Moustakas, L., Agnello, A., Anguita, T., Fassnacht, C. D., Motta, V., Peter, A. H. G., Sluse, D.: 2020, *Double dark matter vision: twice the number of compact-source lenses with narrow-line lensing and the WFC3 grism,* Monthly Notices of the Royal Astronomical Society, **492**, 5314.
107. Panda, S., Martínez-Aldama, M. L., Marinello, M., Czerny, B., Marziani, P., Dultzin, D.: 2020, *The CaFe Project: Optical Fe II and Near-infrared Ca II Triplet Emission in Active Galaxies*. *I. Photoionization Modeling,* Astrophysical Journal, **902**, 76.
108. Panda, S., Marziani, P., Czerny, B.: 2020, *Main trends of the quasar main sequence - effect of viewing angle,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 293.
109. Raimundo, S. I., Vestergaard, M., Goad, M. R., Grier, C. J., Williams, P. R., Peterson, B. M., Treu, T.: 2020, *Modelling the AGN broad-line region using single-epoch spectra - II. Nearby AGNs,* Monthly Notices of the Royal Astronomical Society, **493**, 1227.
110. Rakshit Suvendu, Woo Jong-Hak, Gallo Elena, Hodges-Kluck Edmund, Shin Jaejin, Jeon Yiseul, Bae Hyun-Jin, Baldassare Vivienne, Cho Hojin, Cho Wanjin, Foord Adi, Kang Daeun, Kang Wonseok, Karouzos Marios, Kim Minjin, Kim Taewoo, Le Huynh Anh N., Park Daeseong, Park Songyoun, Son Donghoon, Sung Hyun-il, Bennert Vardha N., Malkan Matthew A.: 2020, *The Seoul National University AGN Monitoring Project*. *II. BLR Size and Black Hole Mass of Two AGNs,* Astrophysical Journal, **886**, 93.
111. Rakshit Suvendu: 2020, *Broad line region and black hole mass of PKS 1510-089 from spectroscopic reverberation mapping*, Astronomy and Astrophysics, **642**, 59.
112. Reis Itamar: 2020, *The Intrinsic Scatter of the Broad Lines─Narrow Line Correlation in Type I AGN,*Astronomical Journal, **159**, 159.
113. Sexto Remington O., Matzko William, Darden Nicholas, Canalizo Gabriela, Gorjian Varoujan: 2020, *Bayesian AGN Decomposition Analysis for SDSS spectra: a correlation analysis of [O III] λ5007 outflow kinematics with AGN and host galaxy properties,* Monthly Notices of the Royal Astronomical Society, **500**, 2871.
114. Villar Martín, M., Perna, M., Humphrey, A., Castro Rodríguez, N., Binette, L., Pérez González, P. G., Mateos, S., Cabrera Lavers, A.: 2020, Peculiar emission line spectra of core extremely red BOSS quasars at z~2-3: orientation and/or evolution*?,* Astronomy and Astrophysics, **634**, 116.
115. Williams, P. R., Pancoast, A., Treu, T., Brewer, B. J., Peterson, B. M., Barth, A. J., Malkan, M. A., De Rosa, G., Horne, Keith, Kriss, G. A.,

Arav, N., Bentz, M. C., Cackett, E. M., Dalla Bontà, E., Dehghanian, M., Done, C., Ferland, G. J., Grier, C. J., Kaastra, J., Kara, E., Kochanek, C. S., Mathur, S., Mehdipour, M., Pogge, R. W., Proga, D., Vestergaard, M., Waters, T., Adams, S. M., Anderson, M. D., Arévalo, P., Beatty, T. G., Bennert, V. N., Bigley, A., Bisogni, S., Borman, G. A., Boroson, T. A., Bottorff, M. C., Brandt, W. N., Breeveld, A. A., Brotherton, M., Brown, J. E., Brown, J. S., Canalizo, G., Carini, M. T., Clubb, K. I., Comerford, J. M., Corsini, E. M., Crenshaw, D. M., Croft, S., Croxall, K. V., Deason, A. J., De Lorenzo-Cáceres, A., Denney, K., Dietrich, M., Edelson, R., Efimova, N. V., Ely, J., Evans, P. A., Fausnaugh, M. M., Filippenko, A. V., Flatland, K., Fox, O. D., Gardner, E., Gates, E. L., Gehrels, N., Geier, S., Gelbord, J. M., Gonzalez, L., Gorjian, V., Greene, J. E., Grupe, D., Gupta, A., Hall, P. B., Henderson, C. B., Hicks, S., Holmbeck, E., Holoien, T. W. -S., Hutchison, T., Im, M., Jensen, J. J., Johnson, C. A., Joner, M. D., Jones, J., Kaspi, S., Kelly, P. L., Kennea, J. A., Kim, M., Kim, S., Kim, S. C., King, A., Klimanov, S. A., Knigge, C., Krongold, Y., Lau, M. W., Lee, J. C., Leonard, D. C., Li, Miao, Lira, P., Lochhaas, C., Ma, Zhiyuan, MacInnis, F., Manne-Nicholas, E. R., Mauerhan, J. C., McGurk, R., McHardy, I. M., Montuori, C., Morelli, L., Mosquera, A., Mudd, D., Müller-Sánchez, F., Nazarov, S. V., Norris, R. P., Nousek, J. A., Nguyen, M. L., Ochner, P., Okhmat, D. N., Papadakis, I., Parks, J. R., Pei, L., Penny, M. T., Pizzella, A., Poleski, R., Pott, J. -U., Rafter, S. E., Rix, H. -W., Runnoe, J., Saylor, D. A., Schimoia, J. S., Scott, B., Sergeev, S. G., Shappee, B. J., Shivvers, I., Siegel, M., Simonian, G. V., Siviero, A., Skielboe, A., Somers, G., Spencer, M., Starkey, D., Stevens, D. J., Sung, H. -I., Tayar, J., Tejos, N., Turner, C. S., Uttley, P., Van Saders, J., Vaughan, S. A., Vican, L., Villanueva, S., Jr., Villforth, C., Weiss, Y., Woo, J. -H., Yan, H., Young, S., Yuk, H., Zheng, W., Zhu, W., Zu, Y.: 2020, *Space Telescope and Optical Reverberation Mapping Project*. *XII*. *Broad-line Region Modeling of NGC 5548,* Astrophysical Journal, **902**, 74.

116. Xu Xinfeng, Zakamska Nadia L., Arav Nahum, Miller Timothy, Benn Chris: 2020, *Evidence that emission and absorption outflows in quasars are related,* Monthly Notices of the Royal Astronomical Society, **495**, 305.

116. Berton Marco, Järvelä Emilia: 2021, *Jet-Induced Feedback in the [O III] Lines of Early Evolution Stage Active Galactic Nuclei,* Universe, **7**, 188.

117. Berton, M., Peluso, G., Marziani, P., Komossa, S., Foschini, L., Ciroi, S., Chen, S., Congiu, E., Gallo, L. C., Björklund, I., Crepaldi, L., Di Mille, F., Järvelä, E., Kotilainen, J., Kreikenbohm, A., Morrell, N., Romano, P., Sani, E., Terreran, G., Tornikoski, M., Vercellone, S., Vietri, A.: 2021, *Hunting for the nature of the enigmatic narrow-line Seyfert 1 galaxy PKS 2004-447*, Astronomy and Astrophysics, **654**, A125.

118. Bromley, S. J., Neff, B., Loch, S. D., Marler, J. P., Országh, J., Venkataramani, K., Bodewits, D.: 2021, *Atomic Iron and Nickel in the Coma of C/1996 B2 (Hyakutake): Production Rates, Emission Mechanisms, and Possible Parents*, The Planetary Science Journal, **2(6)**, 228.
119. Kang Wen-Yong, Wang Jun-Xian, Cai Zhen-Yi, Ren Wen-Ke: 2021, *More Variable Quasars Have Stronger Emission Lines*, Astrophysical Journal, **911**, 148.
120. Malyali, A., Rau, A., Merloni, A., Nandra, K., Buchner, J., Liu, Z., Gezari, S., Sollerman, J., Shappee, B., Trakhtenbrot, B., Arcavi, I., Ricci, C., van Velzen, S., Goobar, A., Frederick, S., Kawka, A., Tartaglia, L., Burke, J., Hiramatsu, D., Schramm, M., van der Boom, D., Anderson, G., Miller-Jones, J. C. A., Bellm, E., Drake, A., Duev, D., Fremling, C., Graham, M., Masci, F., Rusholme, B., Soumagnac, M., Walters, R.: 2021, *AT 2019avd: a novel addition to the diverse population of nuclear transients*, Astronomy and Astrophysics, **647**, A9.
121. Marziani Paola, Berton Marco, Panda Swayamtrupta, Bon Edi: 2021, *Optical Singly-Ionized Iron Emission in Radio-Quiet and Relativistically Jetted Active Galactic Nuclei*. Universe, **7**, 484.
122. Panda Swayamtrupta: 2021, *The CaFe project: Optical Fe II and near-infrared Ca II triplet emission in active galaxies: simulated EWs and the co-dependence of cloud size and metal content*, Astronomy and Astrophysics, **650**, A154.
123. Schmidt Eduardo O., Baravalle Laura D., Rodríguez-Kamenetzky Adriana, R.: 2021, *Spectroscopic study of the [O III]λ5007 profile in Seyfert 1 galaxies*, Monthly Notices of the Royal Astronomical Society, **502**, 3312.
124. Tozzi, G., Cresci, G., Marasco, A., Nardini, E., Marconi, A., Mannucci, F., Chartas, G., Rizzo, F., Amiri, A., Brusa, M., Comastri, A., Dadina, M., Lanzuisi, G., Mainieri, V., Mingozzi, M., Perna, M., Venturi, G., Vignali, C.: 2021, *Connecting X-ray nuclear winds with galaxy-scale ionised outflows in two z ~ 1.5 lensed quasars*, Astronomy and Astrophysics, **648**, A99.
125. Zhang Xue-Guang: 2021, *Evidence for obscured broad [O III] components in Type-2 AGN,* Monthly Notices of the Royal Astronomical Society, **502**, 2508.
126. Zhang Xue-Guang: 2021*, The Bluest Changing-Look QSO SDSS J224113-012108,* Astrophysical Journal, **919**, 13.
127. Zhang Xue-Guang: 2021, *On Strong Correlation between Shifted Velocity and Line Width of Broad Blueshifted [O III] Components in Quasars,* Astrophysical Journal, **909**, 16.
128. Zhang Xue-Guang: 2021, *SDSS J154751.94+025550 with double-peaked broad H β but single-peaked broad H α: a candidate for central binary black hole system?,* Monthly Notices of the Royal Astronomical Society, **506**, 3797.

129. Zheng Wei: 2021, *Far-UV Fe emission as proxy of Eddington ratios,* Monthly Notices of the Royal Astronomical Society, **507**, 5205.
130. Deconto-Machado Alice, del Olmo Ascensión Perea Jaime, Stirpe Giovanna: 2022, *Optical and UV properties of a radio-loud and a radio-quiet Population A quasar at high redshift*, Astronomische Nachrichten, **343**, 210084.
131. Gaskell Martin, Thakur Neha, Tian Betsy, Saravanan Anjana: 2022, *Fe II emission in active galactic nuclei*, Astronomische Nachrichten, **343**, 210112.
132. Lakićević, M., Kovačević-Dojčinović, J., Popović, L. Č.: 2022, *AGN orientation through the spectroscopic correlations and model of dusty cone shell,* Monthly Notices of the Royal Astronomical Society, **509**, 831.
133. Park Daeseong, Barth Aaron J., Ho Luis C., Laor Ari: 2022, *A New Iron Emission Template for Active Galactic Nuclei*. *I. Optical Template for the Hβ Region,* Astrophysical Journal Supplement Series, **258**, 38.
134. Ren Wenke, Wang Junxian, Cai Zhenyi, Guo Hengxiao: 2022, *Extreme Variability Quasars in Their Various States*. *I. The Sample Selection and Composite SDSS Spectra*, Astrophysical Journal, **925**, 50.
135. Sriram, K., Nour, D., Choi, C. S.: 2022, *Influence of Comptonization region over the ambiance of accretion disc in active galactic nucleus*, Monthly Notices of the Royal Astronomical Society, **510**, 3222.
136. U., Vivian, Barth Aaron J., Vogler H. Alexander, Guo Hengxiao, Treu Tommaso Treu, Bennet Vardha N. Bennert, Canalizo Gabriela, Filippenko Alexei V., Gates Elinor, Hamann Frederick, Joner Michael D., Malkan Matthew A. Malkan, Pancoast Anna, Williams Peter R., Woo Jong-Hak, Abolfathi Bela, Abramson, L. E., Armen Stephen F., Bae Hyun-Jin, Bohn Thomas, Boizelle Benjamin D., Bostroem Azalee, Brandel Andrew, Brink Thomas G., Channa Sanyum, Cooper, M. C., Cosens Maren, Donohue Edward, Fillingham Sean P., González-Buitrago Diego, Halevi Goni, Halle Andrew, Hood Carol E., Horne Keith Horne, Horst J. Chuck, Kouchkovsky Maxime de, Kuhn Benjamin, Kumar Sahana, Leonard Douglas C., Loveland Donald, Manzano-King Christina, McHardy Ian, Michel Raúl, Olaes Melanie Kae B., Park Daeseong, Park Songyoun, Pei Liuyi Pei, Ross Timothy W., Runco Jordan N., Samuel Jenna, Sánchez Javier, Scott Bryan, Sexton Remington O., Shin Jaejin, Shivvers Isaac, Spencer Chance L., Stahl Benjamin E., Stegman Samantha, Stomberg Isak, Valenti Stefano, Villafaña , L., Walsh Jonelle L., Yuk Heechan, Zheng WeiKang: 2022, The Lick AGN Monitoring Project 2016: Velocity-resolved Hβ Lags in Luminous Seyfert Galaxies, Astrophysical Journal, **925**, 52.
137. Vivek Kumar Jha, Hum Chand, Vineet Ojha, Amitesh Omar, Shantanu Rastogi: 2022, *A comparative study of the physical properties for a representative sample of Narrow and Broad-line Seyfert galaxies,* Monthly Notices of the Royal Astronomical Society, **510**, 4379.

138. Zhang Xue-Guang: 2022, *SDSS J1451 + 2709 a normal blue quasar but mis-classified as a H II galaxy in the BPT diagram by flux ratios of narrow emission lines,* Monthly Notices of the Royal Astronomical Society, **509**, 4626.

268. **M**. **S**. **Dimitrijević: 2010, Memorie della Societa Astronomica Italiana Supplementi 15, 32 [B 30]**.

1. Nandy, D. K., Singh, Y., Sahoo, B. K., Li. C.: 2011, *Sc III spectral properties of astrophysical interest,* Journal of Physics B **44,** 225701.

269. **K**. **Tsvetkova, M**. **Tsvetkov, M**. **S**. **Dimitrijević, V**. **Protić-Benišek, V**. **Benišek, D**. **Jevremović: 2010, Memorie della Societa Astronomica Italiana Supplementi 15, 192 [B 28]**.

1. Dechev Momchil, Tsvetkov Milcho: 2012, *Local network of the plate digitization laboratory of the Institute of Astronomy with National Astronomical Observatory,* Proceedings of the VII Bulgarian-Serbian Astronomical Conference, 1- 4 June, 2010, Chepelare, Bulgaria, eds. M. K. Tsvetkov, M. S. Dimitrijević, K. Tsvetkova, O. Kounchev, Ž. Mijajlović, Publ. Astron. Soc. "Rudjer Bošković", No. 11, 229.
2. Tsvetkova, K.: 2012, *Astroinformatics for the flare stars in stellar clusters and associations,* Proceedings of the VII Bulgarian-Serbian Astronomical Conference, 1- 4 June, 2010, Chepelare, Bulgaria, eds. M. K. Tsvetkov, M. S. Dimitrijević, K. Tsvetkova, O. Kounchev, Ž. Mijajlović, Publ. Astron. Soc. "Rudjer Bošković", No. 11, 127.

270. **E**. **Lyratzi, E**. **Danezis, L**. **Č**. **Popović, M**. **S**. **Dimitrijević, A**. **Antoniou, D**. **Stathopoulos: 2010, Memorie della Societa Astronomica Italiana Supplementi 15, 161 [B 25]**.

1. Stathopoulos, Danezis, E., D., Lyratzi, E., Antoniou, A., Tzimeas, D.: 2015, *Multicomponent Analysis of the UV Si IV and C IV Broad Absorption Troughs in BALQSOs Spectra: The Examples of J01225+1339 and J02287+0002*, Journal of Astrophysics and Astronomy, **36**, 495.
2. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
3. Stathopoulos Dimitrios, Danezis, E., Lyratzi E., Antoniou, A.,, Tzimeas D.: 2017, *On Si IV and C IV broad absorption line variability in the UV spectra of 10 BALQSOs*, Monthly Notices of the Royal Astronomical Society, **486**, 894.
4. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

271. **E**. **Theodossiou, V**. **N**. **Manimanis, M**. **S**. **Dimitrijević: 2010, Eur**. **J**. **Sci**. **Theol**., **6(3), 47 [A 216]**.

1. Hossieni Hossien: 2016, *On God's Supernatural Role in Hawking's Literature,* Scientific GOD Journal, **7**, 482.
2. Testoni Ines: 2019, *Eternity between a novel theology and a new science from Giordano Bruno to Emanuele Severino,* European Journal of Science and Theology, **15**, 117.

272. **M**. **Christova, M**. **S**. **Dimitrijević, Z**. **Simić, S**. **Sahal-Bréchot: 2010, Journal of Physics: Conference Series 207, 012025 [Ъ 23]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

273. **N**. **Larbi-Terzi, S**. **Sahal-Bréchot, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2010, Publ**. **Astron**. **Obs**. **Belgrade 89, 375 [З 227]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

274. **M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot, A**. **Kovačević, D**. **Jevremović, L**. **Č**. **Popović: 2010, Journal of Physics: Conference Series 257, 012032 [B 27]**.

1. Sahal-Bréchot, S.: 2010, *Case studies on recent Stark broadening calculations and STARK-B database development in the framework of the European project VAMDC (Virtual Atomic and Molecular Data Center),* Journal of Physics Conference Series **257**, 012028.

275. **V**. **A**. **Srećković, Lj**. **M**. **Ignjatović, A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević: 2010, Monthly Notices of the Royal Astronomical Society, 406, 590 [A 214]**.

1. Mihajlov, A. A., Sakan, N. M., Srećković, V. A., Vitel, Y.: 2011, *Modeling of continuous absorption of electromagnetic radiation in dense partially ionized plasmas*, Journal of Physics A **44**, 095502.
2. Tošić, S. D.: 2012, *Measurements of differential cross sections for elastic electron scattering and electronic excitation of silver and lead atoms,* Journal of Physics: Conference Series, **399**, 012004.
3. Mihajlov, A. A., Sakan, N. M., Srećković, V. A.: 2016, *HF characteristics of the astrophysical plasmas*, Publ. AOB No. 96,179.
4. Veras Dimitri, Wolszczan Alexander: 2019, *Survivability of radio-loud planetary cores orbiting white dwarfs*, Monthly Notices of the Royal Astronomical Society, **488**, 153.
5. Sakan Nenad M., Simić Zoran: 2020, *Numerov method analysis with a goal of application of complex plasma models,* Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 318.

276. B. Zmerli, N. Ben Nessib, M. S. Dimitrijević, S. Sahal-Bréchot: 2010, Physica Scripta 82, 055301 [A 217].

1. Hu, Wenqian, Shin, Yung C., King, Galen: 2012, *Characteristics of plume plasma and its effects on ablation depth during ultrashort laser ablation of copper in air*, Journal of Physics D: Applied Physics, **45**, 355204.
2. Mihajlov, A. A., Srećković, V. A., Ignjatović, Lj. M., Klyucharev, A. N.: 2012, *The Chemi-Ionization Processes in Slow Collisions of Rydberg Atoms with Ground State Atoms: Mechanism and Application*s, Journal of Cluster Science, **23**, 47.
3. Dai Cheng, Haihong Zhu, Linda Ke: 2013, *Investigation of plasma spectra during selective laser micro sintering Cu-based metal powder*, Rapid Prototyping Journal, **19**, 373.
4. Skočić, M., Burger, M., Nikolić, Z., Bukvić, S., Djeniže, S.: 2013, *Stark broadening in the laser-induced Cu I and Cu II spectra*, Journal of Physics B, **46**, 5701.
5. Burger, M., Skočić, M., Nikolić, Z., Bukvić, S., Djeniže, S.: 2014, *Broadening of the resonance Cu I lines in the laser-induced copper spectrum*, Journal of Quantitative Spectroscopy and Radiative Transfer, **133**, 589.
6. Tawfik Walid, Sawaf Sausan: 2014, *Approaching the ppb detection limits for copper in water using Laser induced breakdown Spectroscopy*, Next-Generation Spectroscopic Technologies VII, edited by Mark A. Druy, Richard A. Crocombe, Proc. of SPIE **9101**, 91010L.
7. Antonov, O., Efimov, S., Gurovich, V. Tz., Bernshtam, V., Krasik,Ya. E.: 2015, *Spectroscopy of a plasma formed in the vicinity of implosion of the shock wave generated by underwater electrical explosion of spherical wire array*, Physics of Plasmas **22**, 053507.
8. Hartig, K. C., Colgan, J., Kilcrease, D. P., Barefield, J. E., Jovanovic, I.: 2015, *Laser-induced breakdown spectroscopy using mid-infrared femtosecond pulses,* Journal of Applied Physics, **118**, 043107.
9. Zhao Xin, Yung C. Shin: 2015, *Laser–plasma interaction and plasma enhancement by ultrashort double-pulse ablation*, Applied Physics B, **120**, 81.

10. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
11. Anoop, K. K., Harilal, S. S., Reji Philip, Bruzzese, R., Amoruso, S.: 2016, *Laser fluence dependence on emission dynamics of ultrafast laser induced copper plasma*, Journal of Applied Physics **120**, 185901.
12. Ghebregziabher Isaac, Hartig Kyle C., Jovanovic Igor: 2016, *Propagation distance-resolved characteristics of filament-induced copper plasma*, Optics Express **24**, 5263.
13. Pishdast, M., Eslami Majd, A., Kavosh Tehrani, M.: 2016, *Laser fluence dependence on emission dynamics of ultrafast laser induced copper plasma*, Laser and Particle Beams, **34**, 493.
14. Pandey Pramod K., Thareja Raj K., Costello John T.: 2016, *Heterogeneous (Cu-Ti) colliding plasma dynamics*, Physics of Plasmas, **23**, 103516.
15. Singh, K. S., Khare, A., Sharma, A. K.: 2017, *Effect of uniform magnetic field on laser-produced Cu plasma and the deposited particles on the target surface,* Laser and Particle Beams, **35**, 352.
16. Singh Khwairakpam Shantakumar, Sharma Ashwini Kumar: 2017, *Melt ejection from copper target in air in the presence of magnetic field using nanosecond pulsed laser ablation*, Journal of Vacuum Science and Technology A: Vacuum, Surfaces, and Films, **35**, 031305.
17. Singh Khwairakpam Shantakumar, Sharma Ashwini Kumar: 2017, *Time-integrated optical emission studies on laser-produced copper plasma in the presence of magnetic field in air ambient at atmospheric pressure*, Applied Physics A, **123**, 325.
18. Ahamer Christoph M., Pedarnig Johannes D.: 2018, *Femtosecond double pulse laser-induced breakdown spectroscopy: Investigation of the intensity enhancement*, Spectrochimica Acta Part B: Atomic Spectroscopy, **148**, 23.
19. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
20. Ahmed, R., Akthar, M., Jabbar, A., Umar, Z. A., Ahmed, N., Iqbal, J., Baig, M. A.: 2019, *Signal Intensity Enhancement by Cavity Confinement of Laser-Produced Plasma,* IEEE Transactions on Plasma Science, **47(3)**, 1616.
21. Corfdir Pierre, Lantz Gabriel, Abplanalp Markus, Sütterlin Patrick, Kassubek Frank, Delachaux Thierry, Bator Matthias: 2019, *Stark shift measurement as a temperature diagnostic of Cu-dominated thermal plasmas*, Journal of Physics D: Applied Physics, **52**, 275203.
22. Jabbar Abdul, Hou Zongyu, Liu Jiacen, Ahmed Rizwan, Mahmood Shaukat, Wang Zhe: 2019, *Calibration-free analysis of immersed metal al-*

loys using long-pulse-duration laser-induced breakdown spectroscopy, Spectrochimica Acta Part B: Atomic Spectroscopy, **157,** 84.

23. Junjuri Rajendhar, Rashkovskiy Sergey A. Gundawar Manoj Kumar: 2019, *Dependence of radiation decay constant of laser produced copper plasma on focal position*, Physics of Plasmas, **26,** 122107.
24. Mal Eshita, Junjuri Rajendhar, Gundawar Manoj Kumar, Khare Alika: 2019, *Optimization of temporal window for application of calibration free-laser induced breakdown spectroscopy (CF-LIBS) on copper alloys in air employing a single line*, Journal of Analytical Atomic Spectrometry, **34,** 319.
25. Nagai Hiroyuki, Kikuchi Ryo, Inada Yuki, Matsuoka Shigeyasu, Shioiri Tetsu, Kumada Akiko, Hidaka Kunihiko: 2019, *Initiation Process of Vacuum Breakdown Between Cu and CuCr Electrodes,* IEEE Transactions on Plasma Science, **47,** 5191.
26. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.
27. Gao Jiankui, Kang Juan, Li Runhua, Chen Yuqi: 2020, *Application of calibration-free high repetition rate laser-ablation spark-induced breakdown spectroscopy for the quantitative elemental analysis of a silver alloy*, Applied Optics **59**, 4091.
28. Liaqat Usman, Adeel Umar Zeshan , Ahmed Rizwan, Baig Muhammad Aslam Baig: 2020, *Comparative Study of the Emission Enhancement Due to Target Heating and Laser Energy on the Laser-Produced Copper-Zinc Alloy Plasma*, Analytical Letters DOI: 10.1080/00032719.2020.1799385

277. R. Qindeel, M. S. Dimitrijevic, N. M. Shaikh, N. Bidin, Y. M. Daud: 2010, European Physical Journal Applied Physics, 50, 30701 [A 212].

1. Gojani, Ardijan B.: 2012, *Experimental Study of Laser-Induced Brass and Copper Plasma for Spectroscopic Applications,*International Scholarly Research Network ISRN Spectroscopy, Volume 2012, Article ID 868561.
2. Khalil, A. A. I.: 2013, *Spectroscopic studies of UV lead plasmas produced by single and double-pulse laser excitation*, Laser Physics, **23**, 015701.
3. Zhang Shudi, Wang Xiaohua, He Miaohong, Jiang Yunbin, Zhang Bochao, Hang Wei, Huang Benli: 2014, *Laser-induced plasma temperature*, Spectrochimica Acta Part B: Atomic Spectroscopy, **97**, 13.
4. Nurul Shuhada Tan Halid, Roslinda Zainal, Yaacob Mat Daud: 2016, *Estimation of temperature and electron density in stainless steel plasma using laser induced breakdown spectroscopy*, Jurnal Teknologi, **78**, 99.
5. Rehan, I., Khan, M. A., Muhammad, R., Khan, M. Z., Hafeez, A., Nadeem, A., Reh, K.: 2018, *Operational and Spectral Characteristics of a Sr–Ne Glow Discharge Plasma,* Arabian Journal for Science and Engineering, https://doi.org/10.1007/s13369-018-3439-0.

6. Harse Sattar, Liying Sun, Muhammad Imran, Ran Hai, Ding Wu, Hongbin Ding: 2019, *Effect of parameter setting and spectral normalization approach on study of matrix effect by laser induced breakdown spectroscopy of Ag–Zn binary composites*, Plasma Science and Technology, **21**, 034019.
7. Jamali Saifullah, Khoso M. Aslam, Zaman M. Haider, Jamil Yasir, Bhutto, Waseem Ahmed, Abbas Aatif, Mari Riaz Hussain, Kalhoro M. Siddique, Shaikh Nek M.: 2021, *Elemental Analysis of Kohl Using Laser Ablation and Atomic Absorption Spectroscopy (AAS) technique*, Physica B: Physics of Condensed Matter, **620**, 413278.
8. Khalid A. Ahmed, Kadhim A. Aadim, Raghad S. Mohammed: 2021, *Investigation the Energy Influence and Excitation Wavelength on Spectral Characteristics of Laser Induced MgZn Plasma*, AIP Conference Proceedings **2372**, 080004.
9. Raghad S. Mohammed, Kadhim A. Aadim, Khalid A. Ahmed: 2021, *Laser Intensity and Matrix Effect on Plasma Parameters for CuZn, Cu, and Zn Produced by Nd:YAG Laser*, Acta Physica Polonica A, **140**, 306.

278. A. Antoniou, E. Danezis, E. Lyratzi, L. Č. Popović, M. S. Dimitrijević, D. Stathopoulos: 2010, in "Advances in Hellenic Astronomy during the IYA09", K. Tsinganos, D. Hatzidimitriou, and T. Matsakos, eds., Astronomical Society of the Pacific (ASP) Conference Series, 424, 187 [Д 96].

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

279. E. Danezis, E. Lyratzi, L. Č. Popović, M. S. Dimitrijević, A. Antoniou: 2010, in "Advances in Hellenic Astronomy during the IYA09", K. Tsinganos, D. Hatzidimitriou, and T. Matsakos, eds., Astronomical Society of the Pacific (ASP) Conference Series, 424, 305 [Д 97].

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

280. V. A. Srećković, Lj. M. Ignjatović, A. A. Mihajlov, M. S. Dimitrijević: 2010, in 17th European White Dwarf Workdhop, eds. M. K. Werner, T. Rauch, American Institute of Physics Conference Proceedings 1273, 432 [Д 101].

1. Mihajlov, A. A., Sakan, N. M., Srećković, V. A.: 2016, *HF characteristics of the astrophysical plasmas*, Publ. AOB No. 96,179.

281. J. Kovačević, L. Č. Popović, M. S. Dimitrijević: 2010, Memorie della Societa Astronomica Italiana Supplementi 15, 176 [Ђ 24].

1. Rose Marvin, Tadhunter Clive, Ramos Almeida Cristina, Rodríguez Zaurín Javier, Santoro Francesco, Spence Robert: 2018, *Quantifying the AGN-driven outflows in ULIRGs (QUADROS) - I: VLT/Xshooter observations of nine nearby objects*, Monthly Notices of the Royal Astronomical Society, **474**, 128.

282. E. Danezis, E. Theodossiou, M. S. Dimitrijević, A. Dacanalis, Ch. Katsavrias: 2010, Bulgarian Astronomical Journal, 13, 140 [E 119].

1. Томов Лъчезар П.: 2020, *Религия, наука и атеизъм в древна Елада*, Venets: The Belogradchik Journal for Local History, Cultural Heritage and Folk Studies, 11(1), 67.

283. E. Th. Theodossiou, V. N. Manimanis, P. Z. Mantarakis M. S. Dimitrijević: 2011, Journal of Astronomical History and Heritage 14, 22 [A 222].

1. Papamarinopoulos, St. P., Preka-Papadema, P., Antonopoulos, P., Mitropetrou, H., Tsironi, A., Mitropetros, P.: 2012, *A new astronomical dating of the Odisseus return to Ithaca*, Mediterranean Arhaeology and Archaeometry, **12**, 117.
2. Liritzis Ioannis, Castro Belen: 2013, *Delphi and cosmovision: Apollo's absence at the land of the Hyperboreans and the time for consulting the oracle*, Journal of Astronomical History and Heritage, **16**, 184.
3. Papamarinopoulos, St. P., Preka-Papadema, P., Antonopoulos, P., Mitropetrou, H., Tsironi, A., Mitropetros, P.: 2013, *The Anatomy of a Complex Astronomical Phenomenon described in the Odyssey.,* Mediterranean Arhaeology and Archaeometry, **13**, 68.
4. Busatta Sandra: 2014, *La Percezione del Colore e il significato della Lucentezza presso popolazioni arcaiche antiche e i suoi riflessi linguistici*, Antrocom Online Journal of Anthropology, **10**, 249.
5. Papamarinopoulos, St. P., Preka-Papadema, P., Mitropetros, P., Antonopoulos, P., Mitropetrou, E., Saranditis, G.: 2014, *A new astronomical dating of the Trojan war's end*, Mediterranean Arhaeology and Archaeometry, **14**, 93.
6. Paola Magnaghi-Delfino, Tullia Norando: 2015, *The size and shape of Dante's mount purgatory*, Journal of Astronomical History and Heritage, **18(2)**, 123.
7. Papamarinopoulos, St. P., Preka-Papadema, Gazeas, K., Nastos, P., Kiriakopoulos, K. G.: 2016, *Extreme physical phenomena during the Trojan war*, Mediterranean Arhaeology and Archaeometry, **16**, 135. 7.
8. Guglielmino, Salvo P., Cipolla, Paolo B., Giudice, Innocenza Rizzo: 2017, *Astronomy in the Odyssey: The Status Quaestionis, in The Light, The Stones and The Sacred*, Proceedings of the XV Italian Society of Archaeoastronomy Congress, ed. A. Orlando, Springer.
9. Papamarinopoulos, St., Preka-Papadema, P., Mitropetros, P., Antonopoulos, P., Mitropetrou, E., Saranditis, G.: 2017, *Astronomical phenomena and the dating of Troy's Fall*, Ancient Greece And Contemporary World, The Influence of Greek Thought on Philosophy, Science and Technology, Ancient Olympia, 28-31 August 2016, eds. Stephanos A. Paipetis, Christos Kehagias, University of Patras and International Center for Sciences and Hellenic Values, Athens, 329.
10. Papamarinopoulos, St., Preka-Papadema, P., Antonopoulos, P., Mitropetrou, H., Mitropetros, P.: 2017, *A description of a meteor shower in the*

Odyssey, Ancient Greece And Contemporary World, The Influence of Greek Thought on Philosophy, Science and Technology, Ancient Olympia, 28-31 August 2016, eds. Stephanos A. Paipetis, Christos Kehagias, University of Patras and International Center for Sciences and Hellenic Values, Athens, 345.

11. Barbosa Tereza Virgínia Ribeiro, Trevizam Matheus, de Avelar Júlia Batista Castilho: 2018, *Tempestades Clássicas: dos Antigos à Era dos Descobrimentos*, Imprensa da Universidade de Coimbra.
12. Grey Safari: 2018, *Homer's Odyssey in the Hands of its Allegorists: Many Paths to Explain the Cosmos*, in: Chiara Ferella and Cilliers Breytenbach (Eds.), *Paths of Knowledge*. *Interconnection(s) between Knowledge and Journey in the Greco-Roman World*, Berlin: Edition Topoi, 189-215.
13. Kholod Maxim M.: 2018, *The Macedonian Expeditionary Corps in Asia Minor (336–335 BC)*, Klio, **100**, 407.
14. Rem Rush: 2020, *Euripides: Electra,* Bloomsbury Publishing.

284. **M**. **S**. **Dimitrijević, A**. **Kovačević, Z**. **Simić, S**. **Sahal-Bréchot: 2011, Baltic Astronomy 20, 495 [B 38]**.

1. Skočić, M., Burger, M., Bukvić, S., Djeniže, S.: 2012, *Line intensity and broadening in the In III spectrum*, Journal of Physics B: Atomic, Molecular, and Optical Physics **45**, 225701.
2. Falcon, Ross E., Rochau, G. A., Bailey, J. E., Ellis, J. L., Carlson, A. L., Gomez, T. A., Montgomery, M. H., Winget, D. E., Chen, E. Y., Gomez, M. R., Nash, T. J.: 2013, *An experimental platform for creating white dwarf photospheres in the laboratory*, High Energy Density Physics, 82.
3. Rosato, J., Bufferand, H., Capes, H., Koubiti, M., Godbert-Mouret, L., Marandet, Y., Stamm, R.: 2015, *Modeling of Stark–Zeeman Lines in Magnetized Hydrogen Plasmas*, Journal of Astrophysics and Astronomy, **36**, 581.

285. **R**. **Hamdi, N**. **Ben Nessib, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2011, Baltic Astronomy 20, 552 [B 39]**.

1. Al-Modlej, A., Alraddadi, R. A. B., Ben Nessib, N.: 2018, *Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V*, European Physical Journal Plus, **133**, 379.

286. **P**. **Dufour, N**. **Ben Nessib, S**. **Sahal-Bréchot, M**.**S**. **Dimitrijević: 2011, Baltic Astronomy 20, 511 [B 36]**

1. Dunlap, B. H., Barlow, B. N., Clemens, J. C.: 2013, *Hot DQ Pulsator or Magnetic White Dwarf Binary?*, ASP Conference Series, **469**, 9.
2. Falcon, Ross E., Rochau, G. A., Bailey, J. E., Ellis, J. L., Carlson, A. L., Gomez, T. A., Montgomery, M. H., Winget, D. E., Chen, E. Y., Gomez, M. R., Nash, T. J.: 2013, *An experimental platform for creating white dwarf photospheres in the laboratory*, High Energy Density Physics, **9**, 82.

3. Williams, K. A., Winget, D. E., Montgomery, M. H., Dufour, P., Kepler, S. O., Hermes, J. J., Falcon, Ross E., Winget, K. I., Bolte, M., Rubin, K. H. R., Liebert, J.: 2013, *Photometric Variability in a Warm, Strongly Magnetic DQ White Dwarf, SDSS J103655.39+652252.2*, Astrophysical Journal, **769**, 123.
4. Koester, D., Provencal, J., Gänsicke, B. T.: 2014, *Atmospheric parameters and carbon abundance for hot DB white dwarfs*, Astronomy and Astrophysics, **568**, A118.
5. Levina, O. V.: 2017, *Stark shift of the CI 2479 spectral line of carbon*, Optics and Spectroscopy, **123**, 526.
6. Falcon, R. E., Bailey, J. E., Gomez, T. A., Schaeuble, M., Nagayama, T., Montgomery, M. H., Winget, D. E., Rochau, G. A.: 2017, *Reaching Higher Densities for Laboratory White Dwarf Photospheres to Measure Spectroscopic Line Profiles*, 20th European White Dwarf Workshop, Proceedings of a conference held at University of Warwick, Coventry, West Midlands, United Kingdom, 25-29 July 2016. Eds. Pier-Emmanuel Tremblay, Boris Gänsicke, Tom Marsh, Astronomical Society of the Pacific, ASP Conference Series, **509**, 149.
7. Schaeuble, M., Falcon, R. E., Gomez, T. A., Winget, D. E., Montgomery, M. H., Bailey, J. E.: 2017, *Helium at White Dwarf Photospheric Conditions: Preliminary Laboratory Results*, 20th European White Dwarf Workshop, Proceedings of a conference held at University of Warwick, Coventry, West Midlands, United Kingdom, 25-29 July 2016. Eds. Pier-Emmanuel Tremblay, Boris Gänsicke, Tom Marsh, Astronomical Society of the Pacific, ASP Conference Series, **509**, 231.

287. **Rixon, G., Dubernet, M. L., Piskunov, N., Walton, N., Mason, N., Le Sidaner, P., Schlemmer, S., Tennyson, J., Akram, A., Benson, K., Bureau, J., Doronin, M., Endres, C., Heiter, U., Hill, C., Kupka, F., Nenadović, L., Marquart, T., Mulas, G., Ralchenko, Y., Shih, A., Smith, K., Schmitt, B., Witherick, D., Boudon, V., Culhane, J. L., Dimitrijević, M. S., Fazliev, A. Z., Joblin, C., Leto, G., Loboda, P. A., Mason, H. E., Mendoza, C., Millar, T. J., Nunez, L. A., Perevalov, V. I., Rothman, L. S., Roueff, E., Ryabchikova, T. A., Ryabtsev, A., Sahal-Bréchot, S., Tyuterev, V. G., Wakelam, V., Zeippen, C. J.: 2011, 7th International Conference on Atomic and Molecular Data and their Applications - ICAMDATA - 2010, Vilnius, Lithuania 21-24 September 2010, eds. A. Bernotas, R. Karazija, Z. Rudzikas, American Institute of Physics Conference Proceedings 1344, 107 [B 34]**.

1. Dubernet, M., Nenadovic, L., Doronin, N.: 2012, *A New Software to Combine Spectroscopic Data and Collisional Data within VAMDC,* Astronomical Data Analysis Software and Systems XXI, Eds. P. Ballester, D. Egret, N.P.F. Lorente, ASP Conference Series, **461**, 335.
2. Stasińska, G., Prantzos, N., Meynet, G., Simón-Díaz, S., Chiappini, C., Dessauges-Zavadsky, M., Charbonnel, C., Ludwig, H.-G., Mendoza, C., Grevesse, N., Arnould, M., Barbuy, B., Lebreton, Y., Decourchelle, A.,

Hill, V., Ferrando, P., Hébrard, G., Durret, F., Katsuma, M., Zeippen, C. J. 2012*, Appendix A: The atomic physics of oxygen,* in Oxygen in the Universe, Stasinska et al. eds., EAS Publications Series **54** (2012), 319.

3. Dubernet, M.-L., Alexander, M. H., Ba, Y. A., Balakrishnan, N., Balança, C., Ceccarelli, C., Cernicharo, J., Daniel, F., Dayou, F., Doronin, M., Dumouchel, F., Faure, A., Feautrier, N., Flower, D. R., Grosjean, A., Halvick, P., Kłos, J., Lique, F., McBane, G. C., Marinakis, S., Moreau, N., Moszynski, R., Neufeld, D. A., Roueff, E., Schilke, P., Spielfiedel, A., Stancil, P. C., Stoecklin, T., Tennyson, J., Yang, B., Vasserot, A.-M., Wiesenfeld, L.: 2013, *BASECOL2012: A collisional database repository and web service within the Virtual Atomic and Molecular Data Centre (VAMDC)*, Astronomy and Astrophysics, **553**, A50.
4. McElroy, D., Walsh, C., Markwick, A. J., Cordiner, M. A., Smith, K., Millar, T. J.: 2013*, The UMIST database for astrochemistry 2012,* Astronomy and Astrophysics, **550**, A36.
5. Babikov, Yurii L., Mikhailenko, Semen N., Barbe, Alain, Tyuterev, Vladimir G.: 2014, *S&MPO - An information system for ozone spectroscopy on the WEB*, Journal of Quantitative Spectroscopy and Radiative Transfer, **145**, 169.
6. Barbe, A., De Backer, M.-R., Starikova, E., Thomas, X., Tyuterev, Vl. G.: 2014, *Analyses of FT spectra of C2V ozone isotopologues in the 4500-5700 cm^{-1} region: $^{16}O^{18}O^{16}O$, $^{18}O^{16}O^{18}O$ and $^{18}O_3$*, Journal of Quantitative Spectroscopy and Radiative Transfer, **149**, 151.
7. Mendoza Claudio, Boswell Josiah S., Ajoku David C., Bautista Manuel A.: 2014, *AtomPy: An Open Atomic Data Curation Environment for Astrophysical Applications*, Atoms, **2**, 123.
8. Ахлестин, А. Ю. Воронина, С. С., Лаврентьев, А. Н., Фазлиев, А. З.: 2015, *Информационные ресурсы по спектроскопии в ИОА СО РАН,* Оптика атмосферы и океана, **28**, 480.
9. Choudhury, R., Schilke, P., Stéphan, G., Bergin, E., Möller, T., Schmiedeke, A., Zernickel, A.: 2015*, Evolution of complex organic molecules in hot molecular cores*. *Synthetic spectra at (sub-)mm wavebands,* Astronomy and Astrophysics, **575**, A68.
10. Ryabchikova, T., Pakhomov, Yu.: 2015, *Archives of astronomical spectral observations and atomic / molecular databases for their analysis*, Baltic Astronomy **24**, 453.
11. Ахлестин, А. Ю. Воронина, Привезенцев, А. И., Родимова, О. Б., Фазлиев, А. З.: 2016, *Информационная система для решения задач молекулярной спектроскопии. 7. Систематизация информационных ресурсов по поглощению для основного изотополога молекулы метанола,* Оптика атмосферы и океана, **29**, 876.
12. Delahaye, F., Zwölf, C. M., Zeippen, C. J., Mendoza, C.: 2016*, IPOPv2 online service for the generation of opacity tables,* Journal of Quantitative Spectroscopy and Radiative Transfer, **171**, 66.

13. Malkov, O., Dluzhnevskaya, O., Bakanas, E., Kilpio, E., Kniazev, A., Kovaleva, D., Mironov, A., Pakhomov, Yu., Ryabchikova, T., Rykhlova, L., Sachkov, M., Sazonov, S., Zhukov, A.: 2016, *Russian Virtual Observatory: data sources*, Baltic Astronomy **25**, 107.
14. Rey, M., Delahaye, T., Nikitin, A. V., Tyuterev, Vl. G.: 2016, *First theoretical global line lists of ethylene ($^{12}C_2H_4$) spectra for the temperature range 50-700 K in the far-infrared for quantification of absorption and emission in planetary atmospheres*, Astronomy and Astrophysics, **594**, A47.
15. Skobelev, I. Yu., Loboda, P. A., Gagarin, S. V., Ivliev, S. V., Kozlov, A. I., Morozov, S. V., Pikuz, S. A., Pikuz, T. A., Popova, V. V., Faenov, A. Ya.: 2016, *The Spectr-W^3 database on the spectroscopic properties of atoms and ions*, Optics and Spectroscopy **120**, 507.
16. Gordon, I. E., Rothman, L. S., Hill, C., Kochanov, R. V., Tan, Y., Bernath, P. F., Birk, M., Boudon, V., Campargue, A., Chance, K. V., Drouin, B. J., Flaud, J.-M., Gamache, R. R., Hodges, J. T., Jacquemart, D., Perevalov, V. I., Perrin, A., Shine, K. P., Smith, M.-A. H., Tennyson, J., Toon, G. C., Tran, H., Tyuterev, V. G., Barbe, A., Császár, A. G., Devi, V. M., Furtenbacher, T., Harrison, J. J., Hartmann, J.-M., Jolly, A., Johnson, T. J., Karman, T., Kleiner, I., Kyuberis, A. A., Loos, J., Lyulin, O. M., Massie, S. T., Mikhailenko, S. N., Moazzen-Ahmadi, N., Müller, H. S. P., Naumenko, O. V., Nikitin, A. V., Polyansky, O. L., Rey, M., Rotger, M., Sharpe, S. W., Sung, K., Starikova, E., Tashkun, S. A., Auwera, J. Vander, Wagner, G., Wilzewski, J., Wcisło, P., Yu, S., Zak, E. J.: 2017, *The HITRAN2016 molecular spectroscopic database*, Journal of Quantitative Spectroscopy and Radiative Transfer, **203**, 3.
17. Rey Michael, Nikitin Andrei V., Tyuterev Vladimir G.: 2017*, Accurate Theoretical Methane Line Lists in the Infrared up to 3000 K and Quasi-continuum Absorption/Emission Modeling for Astrophysical Applications,* Astrophysical Journal, **847**, 105.
18. Tyuterev Vladimir G., Kochanov Roman V., Tashkun Sergey A.: 2017*, Accurate ab initio dipole moment surfaces of ozone: First principle intensity predictions for rotationally resolved spectra in a large range of overtone and combination bands,* Journal of Chemical Physics, **146**, 064304.
19. Rey Michaël, Nikitin Andrei V., Bézard Bruno, Rannou Pascal, Coustenis Athena, Tyuterev Vladimir G.: 2018*, New accurate theoretical line lists of $^{12}CH_4$ and $^{13}CH_4$ in the 0-13400 cm-1 range: Application to the modeling of methane absorption in Titan's atmosphere,* Icarus, **303**, 114.
20. Starikova Evgeniya, Sung Keeyoon, Nikitin Andrei V., Rey Michael, Mantz Arlan W., Smith Mary Ann H.: 2018, *The $^{13}CH_4$ absorption spectrum at 80 K: Assignment and modeling of the lower part of the Tetradecad in the 4970-5470 cm^{-1} spectral range,* Journal of Quantitative Spectroscopy and Radiative Transfer, Volume **206**, 306.

21. Starikova Evgeniya, Sung Keeyoon, Nikitin Andrei V., Rey Michael: 2019, Assignment and modeling of the $^{13}CH_4$ cold absorption spectrum in the 5471-5852 cm^{-1} spectral range, Journal of Quantitative Spectroscopy and Radiative Transfer, **235**, 278.
22. Jun-Hyoung Park, Heechol Choi, Won-Seok Chang, Sang Young Chung, Deuk-Chul Kwon, Mi-Young Song, Jung-Sik Yoon: 2020, *A New Version of the Plasma Database for Plasma Physics in the Data Center for Plasma Properties,* Applied Science and Convergence Technology, **29**, 5.

288. **A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, V**. **A**. **Srećković, M**. **S**. **Dimitrijević: 2011, Astrophysical Journal Supplement Series, 193, 2 [A 219]**.

1. Bohr, Alex, Blickle, Andrew, Paolini, Stephen, Ohlinger, Luke, Forrey, Robert C.: 2012, *Ionization in collisions between metastable hydrogen atoms*, Physical Review A **85** (2012) 042710.
2. Bezuglov, N. N., Klyucharev, A. N., Mihajlov, A. A., Srećkobić, V. A.: 2014, *Anomalies in radiation-collisional kinetics of Rydberg atoms induced by the effects of dynamical chaos and the double Stark resonance*, Advances in Space Research, **54,** 1159–1163.
3. Gnedin, Yu. N., Piotrovich, M. Yu., Klyucharev, A. N.: 2015, *Rydberg States of Atoms and Molecules in the Atmospheres of Very Cool Stars with Magnetic Fields,* in Physics and Evolution of Magnetic and Related Stars, eds. Kudryavtsev, D. O., Balega, Yu. Yu., Romanyuk, I. I., ASP Conference Series, **494**, 261.
4. Srećković Vladimir A., Šulić Desanka M., Vujčić Veljko, Jevremović Darko, Vyklyuk Yaroslav: 2018, *The Effects of Solar Activity: Electrons in the Terrestrial Lower Ionosphere,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 221.
5. Falcinelli Stefano, Vecchiocattivi Franco, Pirani Fernando: 2021, *Electronic Rearrangements and Angular Momentum Couplings in Quantum State-to-State Channels of Prototype Oxidation Processes,* Journal of Physical Chemistry A, https://dx.doi.org/10.1021/acs.jpca.0c09701.
6. Falcinelli Stefano, Vecchiocattivi Franco, Brunetti Brunetto Giovanni, Parriani Marco, Gigliotti Giovanni, Stranges Stefano, Pirani Fernando: 2021, *Selectivity of weak intermolecular forces and precursor state of elementary oxidation reactions, a new insight on Ne* + N_2 chemiionization,* Scientific Reports, **11**, 19105.
7. Falcinelli Stefano, Vecchiocattivi Franco, Pirani Fernando: 2022, *Basic features of Ne*–HX (X 1/4 Cl, Br) chemi-ionization reactions,* RSC (Royal Society of Chemistry) Advances, **12**, 7587.

289. **E**. **Theodossiou, V**. **Manimanis, M**.**S**. **Dimitrijević: 2011, Eur**. **J**. **Sci**. **Theol**., **7(2), 57 [A 221]**.

1. Papaspirou Panagiotis: 2012, *Johannes Kepler: his place in Astronomy,* Antikythera to the Square Kilometre Array: Lessons from the Ancients, Kerastari, Greece, 12-15 June 2012, Proceedings of Science.

2. Chadaeva Olga: 2018, *Two authors, two universes: cosmological models in the works of Simeon Polotskii and archpriest Avvakum Petrov,* Russian Literature, **99**, 1.

290. **E**. **Theodossiou, P**. **Mantarakis, M**. **S**. **Dimitrijević, V**. **N**. **Manimanis, E**. **Danezis: 2010/2011, Astronomical and Astrophysical Transactions 27, 162 [A223]**.

1. Caldarola Fabio, Cortese Domenico, d'Atri Gianfranco, Maiolo Mario: 2020, *Paradoxes of the Infinite and Ontological Dilemmas Between Ancient Philosophy and Modern Mathematical Solutions,* In: Sergeyev Y., Kvasov D. (eds) Numerical Computations: Theory and Algorithms. NUMTA 2019. Lecture Notes in Computer Science, **11973**. Springer, Cham.

291. **E**. **Theodossiou, V**. **Manimanis, M**. **S**. **Dimitrijević: 2011, Euopean Journal for Science and Theology 7 (4), 25 [A 224]**.

1. Dolan M.: 2021, *Astronomy and Cosmology in the Middle Ages*. In: Decoding Astronomy in Art and Architecture. Springer Praxis Books. Springer, Cham, 215..

292. **H**. **Elabidi, S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N**. **Ben Nessib: 2011, Monthly Notices of the Royal Astronomical Society 417, 2624 [A 225]**.

1. Elabidi, Haykel, Ben Nessib, Nébil, Sahal-Bréchot, Sylvie: 2012, *Electron impact broadening of Si IV spectral lines: Comparison with recent experiments,* Journal of Quantitative Spectroscopy and Radiative Transfer **113** (2012) 1606.
2. Elabidi, Haykel, Sahal-Bréchot, Sylvie: 2013, *Excitation cross-sections by electron impact for O V and O VI levels,* Monthly Notices of the Royal Astronomical Society **436**, 1452.
3. Mondal, Pradip Kumar, Dutta, Narendra Nath, Dixit, Gopal, Majumder, Sonjoy: 2013, *Effect of screening on spectroscopic properties of Li-like ions in a plasma environment,* Physical Review A **87,** 062502. 2. Elabidi, H.: 2014, *Structural and collisional data for Mg III and Al IV,* Advances in Space Research, **54,** 1203.
4. Abdelaziz, W. S., Ahmed, M. E., Sayed, S., Gaabour, L., El-Magid, A. Abou, El-Shirbini, T.: 2016, *Theoretical Calculations of Energy Levels, Oscillator Strength, and Transition Probabilities of Ne-Like Cr XV,* Quantum Chemistry **5,** 274.
5. Nave, G., Nahar, S., Zhao, G.: 2016, *Division B, Commission 14, Working Group: Atomic Data, Triennial Report 2012-2015*, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 103.
6. Radovanović Milan: 2018, *Investigation of solar influence on the terrestrial processes: Activities in Serbia,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **68**, 149.
7. Elabidi, Haykel, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.

8. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie.: 2019, *Quantum Stark broadening data for Ar VIII and Ar IX lines,* Monthly Notices of the Royal Astronomical Society, **484**, 4801.
9. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.

293. **E**. **Th**. **Theodossiou, V**. **N**. **Manimanis, M**. **S**. **Dimitrijević, P**. **Z**. **Mantarakis: 2011, Journal of Astronomical History and Heritage 14(3), 180 [A 226]**.

1. Cruz Artur Ribeiro: 2019, *A cartografia da canção de Siruiz,* Olho d'água, São José do Rio Preto, 11(2), 48.

294. **E**. **Lyratzi, E**. **Danezis, L**. **Č**. **Popović, A**. **Antoniou, M**. **S**. **Dimitrijević, D**. **Stathopoulos: 2011, Baltic Astronomy 20, 448 [Ђ 31]**.

1. Mitrokotsa, S.: 2011, *Studying the UV line profile of C IV, S IV and O IV in the spectrum QSO J031828.9-001523.1,* 11th Hel.A.S Conference, Athens, 8-12 September, 2013, Contributed poster.
2. Stathopoulos, D., Lyratzi, E., Danezis, E., Antoniou, A., Tzimeas, D.: 2012, *A study of the C IV BALs in HiBALQSO spectra*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 375.
3. Stathopoulos, Danezis, E., D., Lyratzi, E., Antoniou, A., Tzimeas, D.: 2015, *Multicomponent Analysis of the UV Si IV and C IV Broad Absorption Troughs in BALQSO Spectra: The Examples of J01225+1339 and J02287+0002*, Journal of Astrophysics and Astronomy, **36**, 495.
4. Stathopoulos Dimitrios, Lyratzi Evangelia, Danezis Emmanuel, Antoniou Antonios, Tzimeas Dimitrios: 2017, *Investigating the reasons of variability in Si IV and C IV broad absorption line troughs of quasars*, European Physical Journal D, **71**, 224.
5. Stathopoulos Dimitrios, Danezis, E., Lyratzi E., Antoniou, A.,, Tzimeas D.: 2017, *On Si IV and C IV broad absorption line variability in the UV spectra of 10 BALQSOs*, Monthly Notices of the Royal Astronomical Society, **486**, 894.
6. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

295. **Z**. **Simić, M**. **S**. **Dimitrijević, A**. **Kovačević, S**. **Sahal-Bréchot: 2011, Baltic Astronomy 20, 613 [Ђ 32]**.

1. Skočić, M., Burger, M., Bukvić, S., Djeniže, S.: 2012, *Stark broadening in the In III spectrum*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 285.

2. El Sherbini Ashraf M., Abdel-Nasser Aboulfotouh, Farid Rashid, Sami H. Allam, Ahmed M. Al-Kaoud, Ashraf El Dakrouri, Tharwat M. El Sherbini: 2013, *Spectroscopic measurement of Stark broadening parameter of the 636.2 nm Zn I-line,* Natural Science. **5**, 501.
3. Roy Sourav, Dutta Narendra Nath, Majumder Sonjoy: *Relativistic coupled--cluster calculations on hyperfine structures and electromagnetic transition amplitudes of In III,* Physical Review A **89** (2014) 042511

296. **M**. **S**. **Dimitrijević, A**. **Kovačević, Z**. **Simić, S**. **Sahal-Bréchot: 2011, Baltic Astronomy 20, 580 [Ђ 33]**.

1. El Sherbini Ashraf M., Abdel-Nasser Aboulfotouh, Farid Rashid, Sami H. Allam, Ahmed M. Al-Kaoud, Ashraf El Dakrouri, Tharwat M. El Sherbini: 2013, *Spectroscopic measurement of Stark broadening parameter of the 636.2 nm Zn I-line,* Natural Science. **5**, 501.

297. **M**. **S**. **Dimitrijević, A**. **Kovačević, Z**. **Simić, S**. **Sahal-Bréchot: 2011, Baltic Astronomy 20, 576 [Ђ 34]**.

1. Kalanov, D., Kozakov, R., Gortschakow, S.: 2021, *Spatially resolved LAAS diagnostics of a free-burning ar arc: Analysis of line broadening,* Journal of Quantitative Spectroscopy and Radiative Transfer, **265**, 107564.

298. **A**. **Antoniou, E**. **Danezis, E**. **Lyratzi, D**. **Stathopoulos, M**. **S**. **Dimitrijević: 2011, Baltic Astronomy 20, 548 [Ђ 35]**.

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

299. **S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N**. **Ben Nessib: 2011, Baltic Astronomy 20, 523 [B 35]**.

1. Al-Towyan Abeer, Nessib Nabil Ben, Alonizan Norah, Qindeel Rabia, Yacoub Nafeesah: 2016, *Stark widths dependence on electron temperature for neutral chromium spectral lines*, European Physical Journal Plus **131**, 9.
2. Elabidi, Haykel, Sahal-Bréchot, Sylvie.: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
3. Hannachi, R., Cressault, Z., Teulet, Ph., Béji, L.: 2018, *Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas,* Journal of Physics D: Applied Physics **51**, 335205.
4. Zhu Yingjie, Kowalski Adam F., Tian Hui, Uitenbroek Han, Carlsson Mats, Allred Joel C.: 2011, *Modeling Mg II h, k and Triplet Lines at Solar Flare Ribbons*, Astrophysical Journal, **879**, 19.
5. Iseni, S., Michaud, R., Lefaucheux, P., Sretenović, G. B., Schulz-von der Gathen, V., Dussart, R.: 2019, *On the validity of neutral gas temperature by emission spectroscopy in micro-discharges close to atmospheric pressure*, Plasma Sources Science and Technology, **28**, 065003.

6. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.
7. Zaytsev Sergey M., Popov Andrey M., Labutin Timur A.: 2019, S*tationary model of laser-induced plasma: Critical evaluation and applications*, Spectrochimica Acta Part B: Atomic Spectroscopy, **158**, 105632.
8. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas,* Optik - International Journal for Light and Electron Optics, **202**, 163485.
9. Kalanov, D., Kozakov, R., Gortschakow, S.: 2021, *Spatially resolved LAAS diagnostics of a free-burning ar arc: Analysis of line broadening,* Journal of Quantitative Spectroscopy and Radiative Transfer, **265**, 107564.
10. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.
11. Hull Gregory, McNaghten Edward D., Sharrad Clint A., Martin, Philip A.: 2022, *Combined laser ablation-tuneable diode laser absorption spectroscopy and laser-induced breakdown spectroscopy for rapid isotopic analysis of uranium*, Spectrochimica Acta Part B: Atomic Spectroscopy, **190**, 106378.

300. **E**. **Theodossiou, V**. **Manimanis, M**. **S**. **Dimitrijević: 2011, , Facta Universitatis,Series: Philosophy, Sociology, Psychology and History, 10, 89 [E 124]**.

1. El-Nowieemy Magda: 2021, *From Alexandria to Rome: Poetical Astronomy and Female Psychology*, Classical Papers, Annual Periodical of the Department of Greek and Latin Studies at Faculty of Arts, Cairo University, **18**, 1-24.
2. Farahmand Asadullah, Hussaini Mohammad Salem, Zaryab Abdulhalim, Aqili Sayed Waliullah: 2021, *'Evaluation of Hydrogeoethics approach for sustainable management of groundwater resources in the upper Kabul sub-basin, Afghanistan*, Sustainable Water Resources Management, **7**, 48.

301. **E**. **Theodossiou, V**. **Manimanis, M**. **S**. **Dimitrijević, P**. **Mantarakis: Bulgarian Astronomical Journal , 16, 2011, 90-108 [E 125]**.

1. Keller Héctor Alejandro: 2019, *'Cultural photosynthates' notions related to biochemical energy in Guaraní cosmology and possible equivalent concepts in Christian liturgy*, European Journal of Science and Theology, **15 (5)**, 67.

302. **Efstratios Theodossiou, Vassilios N**. **Manimanis, Milan S**. **Dimitrijević: 2010-2011, Phlogiston, 18, 2010-2011, 17 [E 129]**.

1. Nicolaidis Efthymios, Delli Eudoxie, Livanos Nikolaos, Tampakis Kostas, Vlahakis George: 2016, *Science and Orthodox Christianity: An Overview*, Isis, **107**, 542.

303. **S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N**. **Moreau: 2012, STARK-B database**.

1. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within several spectral series of neutral potassium,* Proceedings of the IX Belarusian-Serbian symposium "Physics and diagnostics of laboratory and astrophysical plasmas" (PDP-9), September 16-21, 2012, Minsk, Belarus, eds. V. I. Arkhipenko, V. S. Burakov, V. K. Goncharov, The National academy of sciences of Belarus, B. I. Stepanov institute of physics, Minsk, 71.
2. Dojčinović, I. P., Tapalaga, I., Šćepanović, M., Purić, J.: 2012, *Stark broadening within 3s-np and 3d-np spectral lines of neutral lithium*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 249.
3. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark broadening regularities within sodium spectral lines*, 26th Summer School and the International Symposium on the Physics of Ionized Gases, Contributed papers & abstracts of invited lectures and progress reports, eds. M. Kuraica, Z. Mijatović, University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, 245.
4. Jevtić, D., Dojčinović, I. P., Tapalaga, I., Purić, J.: 2012, *Stark width regularities of neutral potassium lines within different spectral series,* Bulletin of the Astronomical Society of India, **40**, 151.
5. Purić, J., Dojčinović, I. P., Tapalaga, I.: 2012, *Stark width regularities within spectral series of neutral alkaline and alkaline earth metals,* Proceedings of the IX Belarusian-Serbian symposium "Physics and diagnostics of laboratory and astrophysical plasmas" (PDP-9), September 16-21, 2012, Minsk, Belarus, eds. V. I. Arkhipenko, V. S. Burakov, V. K. Goncharov, The National academy of sciences of Belarus, B. I. Stepanov institute of physics, Minsk, 37.
6. Cvejić, M., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2013, *Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser induced plasma*, Spectrochimica Acta Part B: Atomic Spectroscopy, **85**, 20.
7. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark-width regularities of neutral lithium lines within different spectral series,* Monthly Notices of the Royal Astronomical Society **429**, 2400.
8. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2013, *Stark width regularities within homologous spectral series of alkalkine earth metals,* Bulletin of the Astronomical Society of India, **41**, 281.
9. Heiter, U., Lind, K., Asplund, M., Barklem, P. S., Bergemann, M., Magrini, L., Masseron, T., Mikolaitis, S., Pickering, J. C., Ruffoni, M. P.: 2013, *Atomic and molecular data for optical stellar spectroscopy,* Physica Scripta, **90**, 054010.

10. Majstorović, G. Lj, Ivanović, N. V., Šišović, N. M., Djurović, S., Konjević, N.: 2013, *Ar I and Ne I spectral line shapes for an abnormal glow discharge diagnostics*, Plasma Sources Science and Technology, **22**, 045015.
11. Cvejić, M., Stambulchik, E., Gavrilović, M. R., Jovićević, S., Konjević, N.: 2014, *Neutral lithium spectral line 460.28 nm with forbidden component for low temperature plasma diagnostics of laser-induced plasma,* Spectrochimica Acta B **100**, 86.
12. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2014, *Stark broadening of spectral lines within Li isoelectronic sequence*, 27th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2014, Contributed papers and abstracts of Invited lectures, Topical invited lectures, Progress reports and Workshop lectures, eds. D. Marić, A. R. Milosavljević, Z. Mijatović, Institute of Physics, University of Belgrade and Serbian Academy of Sciences and Arts, Belgrade, 279.
13. Gigosos, M. A., Djurović, S., Savić, I., González-Herrero, D., Mijatović, Z., Kobilarov, R.: 2014, *Stark broadening of lines from transition between states n=3 to n=2 in neutral helium*. *An experimental and computer-simulation study*, Astronomy and Astrophysics, **561**, A135.
14. Doron, R., Mikitchuk, D., Stollberg, C., Rosenzweig, G., Stambulchik, E., Kroupp, E., Maron, Y., Hammer, D. A.: 2014, *Determination of magnetic fields based on the Zeeman effect in regimes inaccessible by Zeeman-splitting spectroscopy* , High Energy Density Physics **10,** 56.
15. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, Atoms, **2**, 319 (Такође је део хабилитационе тезе: Sandrine Ferry: 2015, *La Dynamique Moléculaire Classique au service de la spectroscopie des plasmas non-idéaux*, présenté en vue de l'obtention de l'Habilitation à Diriger des Recherches, Université d'Aix-Marseille https://hal.archives-ouvertes.fr/tel-01178604).
16. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 129.
17. de Andrés-García, I., You, C., Alonso-Medina, A., Colón, C.: 2016, *Theoretical study of the Stark broadening for Mg IV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **462**, 4220.
18. Gajo, T., Ivković, M., Konjević, N., Savić, I., Djurović, S., Mijatović, Z., Kobilarov, R.: 2016, *Stark shift of neutral helium lines in low tempera-*

ture dense plasma and the influence of Debye shielding, Monthly Notices of the Royal Astronomical Society **455**, 2969.
19. Dojčinović, I. P., Tapalaga, I., Purić, J.: 2016, *Stark broadening of spectral lines within Li isoelectronic sequence*, Proceedings of the XI Belarusian-Serbian Symposium "Physics and Diagnostics of Laboratory and Astrophysical Plasmas" PDP-11, December 15-19, 2016, Minsk, Belarus, eds. A. N. Chumakov, M. M. Kuraica, M. S. Usachonak, The National Academy of Sciences of Belarus and B. I. Stepanov Institute of Physics, Minsk, 120.
20. Blagojević, B., Konjević, N.: 2017, *Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 9.
21. Tapalaga Irinel, Trklja Nora, Dojčinović Ivan P., Purić Jagoš: 2018*, Stark width regularities within spectral series of the lithium isoelectronic sequence*, Monthly Notices of the Royal Astronomical Society, **474**, 5479.
22. Dojčinović Ivan P., Trklja Nora, Tapalaga Irinel, Purić Jagoš: 2019, *Investigation of Stark line broadening within spectral series of potassium and copper isoelectronic sequences*, Monthly Notices of the Royal Astronomical Society **489**, 2997.
23. Trklja Nora, Dojčinović Ivan., Tapalaga Irinel, Purić Jagoš: 2019, *Stark Widths Regularities Within: ns-np, np-ns, np-nd, nd-np and nd-nf Spectral Series of Potassium Isoelectronic Sequence,* Atoms, **7,** 99.
24. Ben Nana, Y., Khelfaoui, F., Meftah, M. T., Sadeghzadeh Lari, E.: 2020, *A novel investigation in the electronic broadening of spectral line profiles: Application to neutral magnesium in plasmas, Optik - International Journal for Light and Electron Optics,* **202**, 163485.
25. Colón Cristóbal, de Andrés-García María Isabel, Isidoro-García Lucía, Moya Andrés: 2020, *Theoretical Stark Broadening Parameters for UV–Blue Spectral Lines of Neutral Vanadium in the Solar and Metal-Poor Star HD 84937 Spectra,* Atoms **8**, 64.
26. Dojčinović Ivan P., Trklja Boca Nora, Tapalaga Irinel, Purić Jagoš.: 2020, *Stark line broadening within spectral series of potassium isoelectronic sequence***,** Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 167-170.
27. Scheers, J., Schupp, R., Meijer, R., Ubachs, W.,1Hoekstra, R., Versolato, O. O.: 2020, *Time- and space-resolved optical Stark spectroscopy in the afterglow of laser-produced tin-droplet plasma,* Physical Review E **102**, 013204.
28. Trklja Boca Nora, Dojčinović Ivan P., Tapalaga Irinel, Purić Jagoš.: 2020, *Stark broadening of spectral lines within copper like emitters***,** Contri-

buted papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 205-208.

29. Nominé Anna V., Noel Cédric, Gries Thomas, Nominé Alexandre, Milichko Valentin A., Belmonte Thierry: 2021, *Study by Optical Spectroscopy of Bismuth Emission in a Nanosecond-Pulsed Discharge Created in Liquid Nitrogen,* Molecules, **26**, 7403.
30. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.
31. Sahal-Bréchot, S., Elabidi, H.: 2021, *Stark broadening for Br VI and Kr V-VII lines in hot star atmospheres,* Astronomy and Astrophysics, **652**, A47.
32. Tapalaga Irinel, Traparić Ivan, Trklja Boca Nora, Purić Jagoš, Dojčinović Ivan P.: 2022, *Stark spectral line broadening modeling by machine learning algorithms*, Neural Computing and Applications, https://doi.org/10.1007/s00521-021-06763-4

304. **V**. **Milosavljević, Z**. **Simić, Z., S**. **Daniels, M**. **S**. **Dimitrijević: 2012, Monthly Notices of the Royal Astronomical Society 422, 610 [A 228]**.

1. Titus, J. B.,Wiggins, D. L., Alexander, A. B., Johnson, J. A.: 2013, *Mass dependency of turbulent parameters in stationary glow discharge plasmas*, Physics of Plasmas, **20**, 052304.
2. Nave, G., Nahar, S., Zhao, G.: 2016, *Division B, Commission 14, Working Group: Atomic Data, Triennial Report 2012-2015*, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 103.
3. Asghar Haroon, Piracha Naveed K., Ali Raheel, Baig Aslam M.: 2020, *Measurements of branching fractions, absolute transition probabilities and J-file sum rule for the* $4p^5\,5p \rightarrow 4p^5\,5s$ *transitions array in neutral krypton*, Laser Physics, **30**, 055701.

305. **E**. **Theodossiou, V**. **N**. **Manimanis, M**. **S**. **Dimitrijević: 2012, Eur**. **J**. **Sci**. **Theol., 8(2), 7 [A 227]**.

1. Badescu Gabriel, Stefan Ovidiu: 2013, *Some aspects on the evolution of astronomy,* European Journal of Science and Theology, **9 (5)**, 255.
2. Filipović Miroslav D., Payne Jeffrey L., Jarrett Thomas, Tothill Nick F. H., Urošević Dejan, Kavanagh Patrick J., Longo Giuseppe, Crawford Evan J., Collier Jordan D., Ilić Miro: 2021, *European historical evidence of the supernova of AD 1054 sky above Europe on 4 th July 1054,* European Journal of Science and Theology, **17(3)**, 147.

306. **N**. **Larbi-Terzi, S**. **Sahal-Bréchot, N**. **Ben Nessib, M**. **S**. **Dimitrijević: 2012, Monthly Notices of the Royal Astronomical Society 423 , 766 [A 229]**.

1. Sabri Nursalwanie Mohd, Haider Zuhaib, Tufail1 Kashif, Ismail Fairuz Diyana, Ali1 Jalil: 2018, *Spectroscopic diagnostics of laser induced plasma and self-absorption effects in Al lines*, Physics of Plasmas **25**, 073303
2. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.

307. **V**. **Manimanis, E**. **Theodossiou, M**.**S**. **Dimitrijević: 2012, Eur**. **J**. **Sci**. **Theol**., **8(4), 23 [A 230]**.

1. Badescu Gabriel, Stefan Ovidiu: 2013, *Some aspects on the evolution of astronomy,* European Journal of Science and Theology, **9 (5)**, 255.
2. Klontza-Jaklová, Věra: 2015, *History hidden in broken pots or broken pots hidden in history? The late Roman – early Byzantine stratigraphy at priniatikos pyrgos (Crete),* Studia archaeologica brunensia, **20 (2)**, 137.
3. Turco Angelo: 2016, *La geografia di Augusto: Prospettive ontologiche,* Bollettino della Società geografica italiana, Roma, Serie XIII, **IX,** 5.

308. **E**. **Theodossiou, P**. **Mantarakis, M**. **S**. **Dimitrijević: 2012, Astronomical and Astrophysical Transactions 27, 665 [A 232]**.

1. Theodosiou, E.: 2017, *The Astronomical eras of Taurus, Aries and Pisces and their correlation with Ancient Greek sculpture*, Ancient Greece And Contemporary World, The Influence of Greek Thought on Philosophy, Science and Technology, Ancient Olympia, 28-31 August 2016, eds. Stephanos A. Paipetis, Christos Kehagias, University of Patras and International Center for Sciences and Hellenic Values, Athens, 299.

309. **S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N**. **Moreau: 2012, Journal of Physics: Conference Series 397, 012019**

1. Gavanski, L., Belmonte, M. T., Savić, I., Djurović, S.: 2016, *Experimental Stark halfwidths of the ionized oxygen and silicon spectral lines*, Monthly Notices of the Royal Astronomical Society **457**, 4038.
2. Hull Gregory, McNaghten Edward D., Coffey Paul, Martin Philip: 2021, *Isotopic analysis and plasma diagnostics for lithium detection using combined laser ablation-tuneable diode laser absorption spectroscopy and laser-induced breakdown spectroscopy,* Spectrochimica Acta B: Atomic Spectroscopy, **177**, 106051.

310. **S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N**. **Moreau: 2012, European Conference on Laboratory Astrophysics – ECLA, eds**. **C**. **Stehlé, C**. **Joblin and L**. **d'Hendecourt, EAS (European Astronomical Society) Publications Series 58, 79–82 [B 44]**.

1. Morley Olivia J., Williamson David M.: 2020, *Pressure and temperature induced red-shift of the sodium D-line during HMX deflagration*, Communications Chemistry, **3**, 13.

311. **G**. **Peach, M**. **S**. **Dimitrijević: 2012, Transactions IAU 28A, Reports on Astronomy 2009-2012, 371 [Д 103]**.

1. Mashonkina, L. I., Salama, F., Wahlgren, G. M., Allard, F., Barklem, P., Beiersdorfer, P., Fraser, H., Nave, G., Nilsson, H.: 2016, *Division B, Com-*

mission 14, Atomic and Molecular Data, Triennial Report 2012-2015, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 99.

2. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

312. **V**. **Srećković, Lj**. **M**. **Ignjatović, A**. **A**. **Mihajlov, M**. **S**. **Dimitrijević: 2012, Proceedings of the VII Bulgarian-Serbian Astronomical Conference, 1-4 June, 2010, Chepelare, Bulgaria, eds**. **M**. **K**. **Tsvetkov, M**. **S**. **Dimitrijević, K**. **Tsvetkova, O**. **Kounchev, Ž**. **Mijajlović, Publ**. **Astron**. **Soc**. **"Rudjer Bošković", No**. **11, 331 [3 231]**.

1. Mihajlov, A. A., Sakan, N. M., Srećković, V. A.: 2016, *HF characteristics of the astrophysical plasmas*, Publ. AOB No. 96,179.

313. **V**. **Manimanis, E**. **Theodossiou, M**.**S**. **Dimitrijević: 2013, Eur**. **J**. **Sci**. **Theol**., **9(2), 19 [A 233]**.

1. Yildirim Fatma Berna: 2018, *Yorum Tarihinden Ögretici Bir Hata: Kitabi Mukaddes Yorumculugunda "Tanrri'nin Ismi" Meselesi,* Monograf, Edebiyat Elestirisi Dergisi, **2018/10**, 166.
2. Morais da Silva Érica Cristhyane: 2019, *Os impérios Africanos do Mundo Antigo: Kush e Axum*, in: O espelho negro de uma nação; A África e sua importância na formação do Brasil, eds. Adriana Pereira Campos, Gilvan Ventura da Silva, Kátia Sausen da Motta, Edufes, Vitória, 43.

314. **A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, V**. **A**. **Srećković, M**. **S**. **Dimitrijević, A**. **Metropoulos: 2013, Monthly Notices of the Royal Astronomical Society 431, 589 [A 234]**.

1. Nina Aleksandra, Čadež Vladimir M., Bajčetić Jovan, Andrić Milenko, Jovanović Gordana: 2018, *Responses of the Ionospheric D-Region to Periodic and Transient Variations of the Ionizing Solar Lyα Radiation,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 235.
2. Srećković, V.A., Šulić, D. M: 2018, *Strong solar X-ray radiation: Influence on the plasma in the ionospheric D-region,* 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 309.
3. Srećković Vladimir A., Šulić Desanka M., Vujčić Veljko, Jevremović Darko, Vyklyuk Yaroslav: 2018, *The Effects of Solar Activity: Electrons in the Terrestrial Lower Ionosphere,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 221.

315. **R**. **Hamdi, N**. **Ben Nessib, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2013, Monthly Notices of the Royal Astronomical Society, 431, 1039 [A 235]**.

1. Alonizan, N., Qindeel, R., Ben Nessib, N.: 2016, *Atomic Structure Calculations for Neutral Oxygen*, International Journal of Spectroscopy 1697561.
2. Al-Modlej, A., Alraddadi, R. A. B., Ben Nessib, N.: 2018, *Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V*, European Physical Journal Plus, **133**, 379.
3. Alonso-Medina, A.: 2019, *Spectroscopic estimation of plasma parameters, in the 100–400 ns stage, of a laser-induced plasma in vacuum*, Spectroscopy Letters **52,** 219.

316. **Z**. **Simić, M**. **S**. **Dimitrijević, S**. **Sahal-Bréchot: 2013, Monthly Notices of the Royal Astronomical Society, 432, 2247 [A 237]**.

1. Aguilera, J. A., Aragón, C., Manrique, J.: 2014, *Experimental Stark widths and shifts of Cr II spectral lines*, Monthly Notices of the Royal Astronomical Society **438**, 841.
2. Manrique, J., Aguilera, J. A., Aragón, C.: 2014, *Experimental Stark parameters of Cr II spectral lines*, Journal of Physics Conference Series, **548**, 012041.

317. **V**. **A**. **Srećković, A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, M**. **S**. **Dimitrijević: 2013, Astronomy and Astrophysics 552, A33 [A 236]**.

1. Bezuglov, N. N., Klyucharev, A. N., Mihajlov, A. A., Srećkobić, V. A.: 2014, *Anomalies in radiation-collisional kinetics of Rydberg atoms induced by the effects of dynamical chaos and the double Stark resonance*, Advances in Space Research, **54,** 1159.

318. **M**. **S**. **Dimitrijević, J**. **Kovačević, L**. **Č**. **Popović: 2013, *Spectral properties of a sample of type 1 AGNs: influence of star formation,* In: Proceedings of Nuclei of Seyfert galaxies and QSOs - Central engine & conditions of star formation, Max Planck Institute fur Radioastronomie, Bonn, Germany, November 6-8, 2012, PoS – Proceedings of Science (Seyfert - 2012) 041 (1-8), 041, ArXiv 1301.6941v2 [Ж 29]**.

1. Barth, A. J., Pancoast, A., Bennert, V. N., Brewer, B. J., Canalizo, G., Filippenko, A. V., Gates, E. L., Greene, J. E., Li, Weidong, Malkan, M. A., Sand, D. J., Stern, D., Treu, T., Woo, Jong-Hak, Assef, R. J., Bae, Hyun-Jin, Buehler, T., Cenko, S. B., Clubb, K. I., Cooper, M. C., Diamond-Stanic, A. M., Hönig, S. F., Joner, M. D., Laney, C. D., Lazarova, M. S., Nierenberg, A. M., Silverman, J. M., Tollerud, E. J., Walsh, J. L.: 2013, *The Lick AGN Monitoring Project 2011: Fe II Reverberation from the Outer Broad-line Region*, Astrophysical Journal, **769**, 128.
2. Kovačević Dojčinović, J., Popović, L. Č.: 2014, *The location of the UV Fe II emitting region in the structure of the active galactic nuclei, 2*7th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2014, Contributed papers and abstracts of Invited lectures, Topical invited lectures, Progress reports and Workshop lectures, eds. D. Marić, A. R. Milosavljević, Z. Mijatović, Institute of Physics, Uni-

versity of Belgrade and Serbian Academy of Sciences and Arts, Belgrade, 489.

3. Kovačević, J. Popović, L. Č., Kollatschny, W.: 2014, *A model for the Balmer pseudocontinuum in spectra of type 1 AGNs*, Advances in Space Research, **54**, 1347.
4. Kovačević-Dojčinović Jelena, Popović Luka Č.: 2015, *The Connections Between the UV and Optical Fe II Emission Lines in Type 1 AGNs*, Astrophysical Journal Supplement, **221**, 35.
5. Park Daeseong, Barth Aaron J., Ho Luis C., Laor Ari: 2022, *A New Iron Emission Template for Active Galactic Nuclei. I. Optical Template for the Hβ Region,* Astrophysical Journal Supplement Series, **258**, 38.

319. **Lj**. **M**. **Ignjatović, A**. **A**. **Mihajlov, V**. **A**. **Srećković, M**. **S**. **Dimitrijević: 2014, Monthly Notices of the Royal Astronomical Society, 441, 1504 [A 239]**.

1. Coppola, C. M., Mizzi, G., Bruno, D., Esposito, F., Galli, D., Palla, F., Longo, S.: 2016, *State-to-state vibrational kinetics of H2 and H_2^+ in a post-shock cooling gas with primordial composition,* Monthly Notices of the Royal Astronomical Society, **457**, 3732.
2. Nina Aleksandra, Čadež Vladimir M., Bajčetić Jovan, Andrić Milenko, Jovanović Gordana: 2018, *Responses of the Ionospheric D-Region to Periodic and Transient Variations of the Ionizing Solar Lyα Radiation,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 235.
3. Srećković Vladimir A., Šulić Desanka M., Vujčić Veljko, Jevremović Darko, Vyklyuk Yaroslav: 2018, *The Effects of Solar Activity: Electrons in the Terrestrial Lower Ionosphere,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 221.

320. **Spiros Alexiou, Milan S**. **Dimitrijević, Sylvie Sahal-Bréchot, Evgeny Stambulchik, Bin Duan, Diego González-Herrero, Marco A**. **Gigosos: 2014, Atoms 2, 157 [A 241]**.

1. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, Atoms, **2**, 319 (Такође је део хабилитационе тезе: Sandrine Ferry: 2015, *La Dynamique Moléculaire Classique au service de la spectroscopie des plasmas non-idéaux*, présenté en vue de l'obtention de l'Habilitation à Diriger des Recherches, Université d'Aix-Marseille https://hal.archives-ouvertes.fr/tel-01178604).
2. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 129.
3. A. V. Demura 1, E. Stambulchik: 2014, *Spectral-Kinetic Coupling and Effect of Microfield Rotation on Stark Broadening in Plasmas*, Atoms, **2**, 334.

4. A. V. Demura 1, E. Stambulchik: 2014, *Spectral-Kinetic Coupling and Effect of Microfield Rotation on Stark Broadening in Plasmas*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 40.
5. Stambulchik, E., Calisti, A., Hyun-Kyung Chung, González, M. A.: 2014, *Special Issue on Spectral Line Shapes in Plasmas*, Atoms, **2**, 378.
6. Nagayama, T., Bailey, J. E., Mancini, R. C., Iglesias, C. A., Hansen, S. B., Blancard, C., Chung, H. K., Colgan, J., Cosse, Ph., Faussurier, G., Florido, R., Fontes, C. J., Gilleron, F., Golovkin, I. E., Kilcrease, D. P., Loisel, G., MacFarlane, J. J., Pain, J.-C., Rochau, G. A., Sherrill, M. E., Lee, R. W.: 2016, *Model uncertainties of local-thermodynamic-equilibrium K-shell spectroscopy*, High Energy Density Physics, **20**, 17.
7. Rosato, J.: 2017, *Report on the third SLSP code comparison workshops*, High Energy Density Physics, **22**, 60.
8. Gomez Thomas, Nagayama Taisuke, Fontes Chris, Kilcrease Dave, Hansen Stephanie, Montgomery Mike, Winget Don: 2018, *Matrix Methods for Solving Hartree-Fock Equations in Atomic Structure Calculations and Line Broadening,* Atoms, **6**, 22.
9. Radovanović Milan: 2018, *Investigation of solar influence on the terrestrial processes: Activities in Serbia,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **68**, 149.
10. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
11. Gigosos Marco A., Mancini Roberto C., Martín-González Juan M., Florido Ricardo: 2021, *Stark-Broadening of Ar K-Shell Lines: A Comparison between Molecular Dynamics Simulations and MERL Results,* Atoms, **9**, 9.
12. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.

321. **A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, A**. **Srećković, M**. **S**. **Dimitrijević.: 2014, Balt**. **Astron**. **20, 566 [B 40]**.

1. Bezuglov, N. N., Klyucharev, A. N., Mihajlov, A. A., Srećkobić, V. A..: 2014, *Anomalies in radiation-collisional kinetics of Rydberg atoms induced by the effects of dynamical chaos and the double Stark resonance*, Advances in Space Research, **54,** 1159.
2. Bo Yang, Haixu Zhang, Jinian Shu, Pengkun Ma, Peng Zhang, Jingyun Huang, Zhen Li, Ce Xu: 2018, *Rapid Elemental Analysis of Aerosols Using Atmospheric Glow Discharge Optical Emission Spectroscopy*, Analytical Chemistry, **90**, 1301.

322. **Sylvie Sahal-Bréchot, Milan S**. **Dimitrijević, Nicolas Moreau, Nabil Ben Nessib: 2014, Advances in Space Research 54 , 1148 [A 243]**

1. Heiter, U., Lind, K., Asplund, M., Barklem, P. S., Bergemann, M., Magrini, L., Masseron, T., Mikolaitis, S., Pickering, J. C., Ruffoni, M. P.: 2013, *Atomic and molecular data for optical stellar spectroscopy,* Physica Scripta, **90**, 054010.
2. Sahal-Brechot, S., Bommier, V.: 2014, *Collisional line broadening versus collisional depolarization: Similarities and differences,*Advances in Space Research, **54,** 1164.
3. de Andrés-García, I., You, C., Alonso-Medina, A., Colón, C.: 2016, *Theoretical study of the Stark broadening for Mg IV spectral lines of astrophysical interest,* Monthly Notices of the Royal Astronomical Society **462**, 4220.

323. **A Spiros Alexiou, Milan S**. **Dimitrijević, Sylvie Sahal-Bréchot, Evgeny Stambulchik, Bin Duan, Diego González-Herrero, Marco A**. **Gigosos: 2014, Atoms 2, 157 [A 241]**.

1. Stambulchik, E., Calisti, A., Hyun-Kyung Chung, González, M. A.: 2014, *Special Issue on Spectral Line Shapes in Plasmas*, Atoms, **2**, 378.
2. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, Atoms, **2**, 319 (Такође је део хабилитационе тезе: Sandrine Ferry: 2015, *La Dynamique Moléculaire Classique au service de la spectroscopie des plasmas non-idéaux*, présenté en vue de l'obtention de l'Habilitation à Diriger des Recherches, Université d'Aix-Marseille https://hal.archives-ouvertes.fr/tel-01178604).
3. Koubiti, M., Goto, M., Ferri, S., Hansen, S. B., Stambulchik, E.: 2014, *Line-Shape Code Comparison through Modeling and Fitting of Experimental Spectra of the C II 723-nm Line Emitted by the Ablation Cloud of a Carbon Pellet*, in Spectral Line Shapes in Plasmas, eds. Evgeny Stambulchik, Annette Calisti, Hyun-Kyung Chung and Manuel Á. González, MDPI AG Basel, Switzerland, 129.
4. Gomez, T. A., Nagayama, T., Fontes, C. J., Kilcrease, D. P., Hansen, S. B., Zammit, M. C., Fursa, D. V., Kadyrov, A. S., Bray, I.: 2020*, Effect of Electron Capture on Spectral Line Broadening in Hot Dense Plasmas*, Physical Review Letters, **124**, 055003.

324. **Sylvie Sahal-Bréchot, Milan S**. **Dimitrijević, Nabil Ben Nessib: 2014, Atoms 2, 225 [A 242]**.

1. Stambulchik, E., Calisti, A., Hyun-Kyung Chung, González, M. A.: 2014, *Special Issue on Spectral Line Shapes in Plasmas*, Atoms, **2**, 378.
2. Johns, H. M., Kilcrease, D. P., Colgan, J., Judge, E. J., Barefield II, J. E., Wiens, R. C., Clegg, S. M.: 2015, *Improved electron collisional line broadening for low-temperature ions and neutrals in plasma modeling,* Journal of Physics B, **48,** 224009.

3. Barklem, P.: 2016, *Accurate abundance analysis of late-type stars: advances in atomic physics,* Astronomy and Astrophysics Review, **24,** 9.
4. Al-Modlej, A., Alraddadi, R. A. B., Ben Nessib, N.: 2018, *Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V*, European Physical Journal Plus, **133**, 379.
5. Kukushkin Alexander B., Neverov Vladislav S., Sdvizhenskii Petr A., Voloshinov Vladimir V.: 2018, *Automodel Solutions of Biberman-Holstein Equation for Stark Broadening of Spectral Lines,* Atoms **6**, 43.
6. Kukushkin Alexander B., Neverov Vladislav S., Sdvizhenskii Petr A., Voloshinov Vladimir V.: 2018, *Automodel Solutions of Biberman-Holstein Equation for Stark Broadening of Spectral Lines,* in Stark Broadening of Spectral Lines in Plasma, ed. Eugen Oks, Basel, 129-143.
7. Yakub Nafeesah Abdul Rahim, Qindeel Rabia, Alonizan Norah, Ben Nessib Nabil: 2018, *Expectation Values of the Neutral Chromium Radius,* Atoms, **6**, 51.
8. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
9. Lee Wonwook, Shim Sungyong, Oh Cha-Hwan: 2019, *Laser diagnostics for the electron density of helium low temperature plasmas using saturated absorption spectroscopy,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106674.
10. Bartecka, A., Bacławski, A., Olchawa, W.: 2020, *Stark-Broadening Studies of N(I) Multiplet $3p^4P^0 – 3d^4D$ at 1052.630 nm,* Acta Physica Polonica A, **138**, 650.
11. Rosmej F. B., Astapenko V. A., Lisitsa V. S.: 2021, *Quantum Atomic Population Kinetics in Dense Plasmas,* In: Plasma Atomic Physics. Springer Series on Atomic, Optical, and Plasma Physics, vol 104. Springer, Cham., 305-400.
12. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.

325. **Milan S**. **Dimitrijević, Sylvie Sahal-Bréchot: 2014, Atoms 2, 357 [A 244]**.
1. Stambulchik, E., Calisti, A., Hyun-Kyung Chung, González, M. A.: 2014, *Special Issue on Spectral Line Shapes in Plasmas*, Atoms, **2**, 378.
2. Mehboob Iqra, Iqbal, J., Rafique, M., Baig, M. A., Rizwan Ahmed: 2018, *Optical Spectroscopic Study of Laser-Produced Aluminum Plasma*, IEEE Transactions on Plasma Science, **46**, 2920.

326. **H**. **Elabidi, S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević: 2014, Advances in Space Research 54, 1184 [A 245]**.
1. Nave, G., Nahar, S., Zhao, G.: 2016, *Division B, Commission 14, Working Group: Atomic Data, Triennial Report 2012-2015*, ed. Thierry Mont-

merle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 103.

2. Li Wen-Yi, Hu Feng, Sang Cui-Cui, Sun Yan, Mei Mao-Fei, Yang Jia-Min: 2017, *Transition properties of Be-like Kα X-ray from Ar XV (*类铍氩离子的 *Kα* 跃迁特性研究*)*, Nuclear Fusion and Plasma Physics, **37**, 279.
3. Elabidi, Haykel, Sahal-Bréchot, Sylvie: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
4. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie.: 2019, *Quantum Stark broadening data for Ar VIII and Ar IX lines,* Monthly Notices of the Royal Astronomical Society, **484**, 4801.
5. R. Aloui, H. Elabidi, S. Sahal-Bréchot: 2020, *Stark broadening and atomic data for Ar XVI,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 154.
6. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.
7. Elabidi Haykel: 2020, *Quantum Mechanical Stark Broadening for Na VII and Na VIII lines,* Journal of Umm Al-Qura University for Applied Science, **6**, 25.
8. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.
9. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.
10. Sahal-Bréchot, S., Elabidi, H.: 2021, *Stark broadening for Br VI and Kr V-VII lines in hot star atmospheres,* Astronomy and Astrophysics, **652**, A47.

327. **N**. **Ben Nessib, N**. **Alonizan, R**. **Qindeel, S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević: 2014, Advances in Space Research 54, 1190 [A 246]**.

1. Alonizan, N., Qindeel, R., Ben Nessib, N.: 2016, *Atomic Structure Calculations for Neutral Oxygen*, International Journal of Spectroscopy 1697561.
2. Nave, G., Nahar, S., Zhao, G.: 2016, *Division B, Commission 14, Working Group: Atomic Data, Triennial Report 2012-2015*, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 103.
3. Al-Modlej, A., Alraddadi, R. A. B., Ben Nessib, N.: 2018, *Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V*, European Physical Journal Plus, **133**, 379.

328. **Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchot, Milan S**. **Dimitrijević: 2014, Advances in Space Research 54, 1223 [A 248]**.

1. Blagojević, B., Djurović, S., Konjević, N.: 2021, *Stark broadening parameters of Ar II and Ar III lines: Comparison of semiclassical calculations,* Journal of Quantitative Spectroscopy and Radiative Transfer, **276**, 107950.

329. **Zoran Simić, Milan S**. **Dimitrijević, Luka Č**. **Popović: 2014, Advances in Space Research 54, 1231 [A 249]**.

1. Simić Zoran, Sakan Nenad M.: 2020, *The electron-impact broadening of the Nb III for 5p-5d transitions,* Monthly Notices of the Royal Astronomical Society, **491**, 4382.

330. **V**. **A**. **Srećković, A**. **A**. **Mihajlov, Lj**. **M**. **Ignjatović, Milan S**. **Dimitrijević: 2014, Advances in Space Research 54, 1264 [A 250]**.

1. Srećković Vladimir A., Šulić Desanka M., Vujčić Veljko, Jevremović Darko, Vyklyuk Yaroslav: 2018, *The Effects of Solar Activity: Electrons in the Terrestrial Lower Ionosphere,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 221.
2. Radovanović Milan: 2018, *Investigation of solar influence on the terrestrial processes: Activities in Serbia,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **68**, 149.
3. Srećković, V.A., Šulić, D. M: 2018, *Strong solar X-ray radiation: Influence on the plasma in the ionospheric D-region,* 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 309.
4. Kislov, K. S., Narits, A. A., Lebedev, V. S.: 2020, Direct Dissociative Excitation of Heteronuclear and Homonuclear Ions of Inert Gases by Electron Impac, Optics and Spectroscopy, **128(11)**, 1719.
5. Кислов, К. С., Нариц, А. А., Лебедев, В. С.: 2020, *Прямое диссоциативное возбуждение гетероядерных и гомоядерных ионов инертных газов электронным ударом*, Оптика и спектроскопия, **128(11)**, 1596.
6. Kislov, K. S., Moritaka, S. S., Mekshun, A. V., Maresev, A. N., Narits, A. A., Lebedev, V. S.: 2021, *Temperature Dependences of Cross Sections and Rates of Dissociative Excitation of Kr_2^+ Ions by Electron Impact*, Bulletin of the Lebedev Physics Institute, **48**, 363.
7. Кислов, К. С., Моритака, С. С., Мекшун, А. В., Маресев, А. Н., Нариц, А. А., Лебедев, В. С.: 2021, *Температурные зависимости сечений и констант скорости диссоциативного возбуждения молекулярных ионов Kr_2^+ электронным ударом*, Краткие сообщения по физике ФИАН, **48(11)**, 48.

331. **A**. **Antoniou, E**. **Danezis, E**. **Lyratzi, L**. **Č**. **Popović, D**. **Stathopoulos, M**. **S**. **Dimitrijević: 2014, Advances in Space Research 54, 1308 [A 251]**.

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of*

simple and complex emission and absorption spectral lines, Astronomy and Computing **26,** 14.

332. **A**. **Antoniu, E**. **Danezis, E**. **Lyratzi, L**. **Č**. **Popović, D**. **Stathopoulos, M**. **S**. **Dimitrijević: 2014, Advances in Space Research 54, 1308 [A 251]**.

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

333. **D**. **Stathopoulos, E**. **Danezis, E**. **Lyratzi, A**. **Antoniou, L**. **Č**. **Popović, D**. **Tzimeas, M**. **S**. **Dimitrijević: 2014, Journal of Physics: Conference Series 565, 012020 [B 45]**.

1. Tzimeas, D., Stathopoulos, D., Danezis, E., Lyratzi, E., Antoniou, A.: 2019, *Some important notes on ASTA software: A new method of analysis of simple and complex emission and absorption spectral lines*, Astronomy and Computing **26,** 14.

334. **M**. **S**. **Dimitrijevć, Z**. **Simić, A**. **Kovačević, A**. **Valjarević, S**. **Sahal-Bréchot 2015, Monthly Notices of the Royal Astronomical Society, 454, 1736 [A 254]**.

1. Bhowmik Anal, Dutta Narendra Nath, Roy Sourav: 2017, *Precise Calculations of Astrophysically Important Allowed and Forbidden Transitions of Xe VIII,* Astrophysical Journal, **836**, 125.
2. Pain Jean-Cristophe, Gilleron Franck, Comet Maxime: 2017, *Detailed Opacity Calculations for Astrophysical Applications,* Atoms, **5**, 22.

335. **A**. **A**. **Mihajlov, V**. **A**. **Srećković, A**. **N**. **Klyucharev, M**. **S**. **Dimitrijević, N**. **M**. **Sakan: 2015, Journal of Astrophysics and Astronomy 36, 623 [A255]**.

1. Sakan, N., Srećković, V., Ignjatović, Lj., Mihajlov, A. A.: 2016, *Bond - bound state transitions in the frame of Coulomb cut-off model potential*, 28th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2016, Aug, 29 - Sep. 2, 2016, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Dragana Marić, Aleksandar Milosavljević, Bratislav Obradović, Goran Poparić, University of Belgrade, Faculty of Physics, Serbian Academy of Sciences and Arts, Belgrade, 425.

336. **S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević, N Moreau, N**. **Ben Nessib: 2015, Physica Scripta 50, 054008 [A 253]**.

1. Barklem, P.: 2016, *Accurate abundance analysis of late-type stars: advances in atomic physics,* Astronomy and Astrophysics Review, **24,** 9.
2. Moreau Nicolas, Zwolf Carlo-Maria, Ba Yaye-Awa, Richard Cyril, Boudon Vincent, Dubernet Marie-Lise: 2018, *The VAMDC Portal as a Major Enabler of Atomic and Molecular Data Citation,* Galaxies, **6,** 105.
3. Trklja Nora, Dojčinović Ivan., Tapalaga Irinel, Purić Jagoš: 2019, *Stark Widths Regularities Within: ns-np, np-ns, np-nd, nd-np and nd-nf Spectral Series of Potassium Isoelectronic Sequence,* Atoms, **7,** 99.

4. I. A., Rosato, J., Stamm, R., Marandet, Y. : 2021, *New analysis of Balmer line shapes in magnetic white dwarf atmospheres,* European Physical Journal D, **75**, 63.

337. **V**. **Vujčić, D**. **Jevremović, A**. **A**. **Mihajlov, A**. **Srećković, Lj**. **M**. **Ignjatović, M**. **S**. **Dimitrijević, M**. **Malović: 2015, Journal of Astrophysics and Astronomy 36, 693 [A 256]**.

1. Coppola, C. M., Mizzi, G., Bruno, D., Esposito, F., Galli, D., Palla, F., Longo, S.: 2016, *State-to-state vibrational kinetics of H_2 and H_2^+ in a post-shock cooling gas with primordial composition,* Monthly Notices of the Royal Astronomical Society, **457**, 3732.
2. Zammit Mark C., Savage Jeremy S., Colgan James, Fursa Dmitry V. , Kilcrease David P., Fontes Christopher J., Hakel Peter, Timmermans Eddy: 2017, *State-resolved Photodissociation and Radiative Association Data for the Molecular Hydrogen Ion,* Astrophysical Journal, **851**, 64.
3. Walker Kyle M., Porter, R. L., Stancil, P. C: 2018, *Rovibrational Chemistry of H_2^+, HD, and H_2 in the Recombination Era,* Astrophysical Journal, **867**, 152.
4. Coppola Carla Maria, Galli Daniele: 2019, *Gas-Phase Chemistry in Space; From elementary particles to complex organic molecules,* eds. François Lique, Alexandre Faure, IOP Astronomy, 1-1.
5. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

338. **C**. **Yubero, M**. **C**. **García, M**. **S**. **Dimitrijevic, A**. **Sola, A**. **Gamero: 2015, Spectrochimica Acta B 107, 164 [A 252]**.

1. Chen Zhiqiang, Krasik Yakov E., Cousens Samuel, Ambujakshan Arun T., Corr Cormac, Dai Xiujuan J.: 2017, *Generation of underwater discharges inside gas bubbles using a 30-needles-to-plate electrode*, Journal of Applied Physics, **122**, 153303.
2. Evans E. Hywel, Pisonero Jorge, Smith Clare M. M., Taylor Rex N.: 2017, *Atomic spectrometry update: review of advances in atomic spectrometry and related techniques*, Journal of Analytical Atomic Spectrometry, **31**, 1057.
3. Krčma, F., Kozáková, Z., Mazánková, V., Horák, J., Dostál, L., Obradović, B., Nikiforov, A., Belmonte, T.: 2018, *Characterization of novel pin-hole based plasma source for generation of discharge in liquids supplied by DC non-pulsing voltage*, Plasma Sources Science and Technology, **27**, 065001.
4. Kalyani Barman, Deepika Behmani, Mohit Mudgal, Sudeep Bhattacharjee, Ramkrishna Rane, Sudhir K Nema: 2020, *Characteristics of atmospheric pressure micro-plasma jets in two different modes of excitation depending upon wave amplitude and frequency*, Plasma Research Express, **2,** 025007.

5. Kalyani Barman, Mohit Mudgal, Ramkrishna Rane, Sudeep Bhattacharjee: 2021, *Effect of magnetic field on optical emission from cold atmospheric pressure micro-plasma jet*, Physics of Plasma, **28**, 123503.

339. **K**. **N**. **Arefieff , N**. **N**. **Bezuglov , M**. **S**. **Dimitrijević, A**. **N**. **Klyucharev, A**. **A**. **Mihajlov, V**. **Srećković: 2015, Journal of Astrophysics and Astronomy 36, 613 [A 258]**.

1. Безуглов, Н. Н., Голубков, Г. В., Ключарев, А. Н.: 2017, *Проявления "динамического хаоса" в реакциях с участием ридберговских состояний*, Санкт Петербургский государственный университет.
2. Bezuglov, N. N., Golubkov, G. V., Klyucharev, A. N.: 2017, *Rydberg Atoms: From Determinism to Chaos*, Russian Journal of Physical Chemistry B, **11**, 912.

340. **N**. **Alonizan, R**. **Qindeel, N**. **Ben Nessib, S**. **Sahal-Bréchot, M**. **S**. **Dimitrijević: 2015, Journal of Astrophysics and Astronomy 36, 661 [A261]**.

1. Harilal, S. S., Skrodzki, P. J., Miloshevsky, A., Brumfield, B. E., Phillips, M. C., Miloshevsky, G.: 2017, *On- and off-axis spectral emission features from laser-produced gas breakdown plasmas***,** Physics of plasmas, **24,** 063304.
2. Ceppelli, M., Salden, T. P. W., Martini, L. M., Dilecce, G., Tosi, P.: 2021, *Time-resolved optical emission spectroscopy in CO_2 nanosecond pulsed discharges,* **30**, 115010.

341. **Milan S**. **Dimitrijević: 2015, Romanian Astronomical Journal 25, 211 [E 139]**.

1. Filipović Miroslav D., Longo Giuseppe, Jarrett Thomas, Ilić Miro, Collier Jordan D., Tothill Nick F. H., Crawford Evan J., Payne Jeffrey L., Urošević Dejan: 2019, *European historical evidence of the supernova of AD 1054*, Journal of Astronomical History and Heritage, **22(2)**, 201.

342. **G**. **Peach, M**. **S**. **Dimitrijević, P**. **S**. **Barklem: 2016, Transactions IAU 29A, Proc**. **XXIXA, IAU General Assembly, August 2015, 120 [Д 109]**.

1. Mashonkina, L. I., Salama, F., Wahlgren, G. M., Allard, F., Barklem, P., Beiersdorfer, P., Fraser, H., Nave, G., Nilsson, H.: 2016, *Division B, Commission 14, Atomic and Molecular Data, Triennial Report 2012-2015*, ed. Thierry Montmerle, Transactions IAU **29A**, Proc. XXIXA, IAU General Assembly, August 2015, 99.
2. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

343. **Evangelia Panou, Konstantinos Kalachanis, Efstratios Theodossiou, Ioannis Kostikas, Vassilios Manimanis, Milan S**. **Dimitrijević: 2015, Publications of the Astronomical Society of Bulgaria 1, 48-55 [E 138]**.

1. Kalachanis Konstantinos: 2019, *Can we speak about a Philosophy of Nutrition in Corpus Hippocraticum?***,** Scientific Culture, **5(2),** 1.

344 M. **L**. **Dubernet, B**. **K**. **Antony, Y**. **A**. **Ba, Yu**. **L**. **Babikov, K**. **Bartschat, V**. **Boudon, B**. **J**. **Braams, H**.**-K**. **Chung, F**. **Daniel, F**. **Delahaye, G**. **Del Zanna,**

J. de Urquijo, M. S. Dimitrijević, A. Domaracka, M. Doronin, B. J. Drouin, C. P. Endres, A. Z. Fazliev, S. V. Gagarin, I. E. Gordon, P. Gratier, U. Heiter, C. Hill, D. Jevremović, C. Joblin, A. Kasprzak, E. Krishnakumar, G. Leto, P. A. Loboda, T. Louge, S. Maclot, B. P. Marinković, A. Markwick, T. Marquart, H. E. Mason, N. J. Mason, C. Mendoza, A. A. Mihajlov, T. J. Millar, N. Moreau, G. Mulas, Yu. Pakhomov, P. Palmeri, S. Pancheshnyi, V. I. Perevalov, N. Piskunov, J. Postler, P. Quinet, E. Quintas-Sánchez, Yu. Ralchenko, Y-J Rhee , G. Rixon, L. S. Rothman, E. Roueff, T. Ryabchikova, S. Sahal-Bréchot, P. Scheier, S. Schlemmer, B. Schmitt, E. Stempels, S. Tashkun, J. Tennyson, V. G. Tyuterev, V. Vujčić, V. Wakelam,, N. A. Walton, O. Zatsarinny, C. J. Zeippen, C. M. Zwölf: 2016, Journal of Physics B 49 , 074003 [A262].

1. Akhlyostin, A., Apanovich, Z., Fazliev, A., Kozodoev, A, Lavrentiev, N., Privezentsev, A., Rodimova, O., Voronina, S., Császár, A G., Tennyson, J.: 2016*, The current status of the W@DIS information system,* 22nd International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics, eds. Gennadii G. Matvienko, Oleg A. Romanovskii, Tomsk, Russian Federation, June 30, 2016, Proc. SPIE **10035**, 100350D.
2. Antony Bobby, Kaur Jaspreet, Verma Panka, Singh Suvam, Modak Paresh, Uddin Nafees: 2016*, Cross section data for electron/positron scattering: A theoretical approach,* 10th International Conference on Atomic and Molecular Data and their Applications, ICAMDATA 2016, Program book, Sep. 25(Sun)-29(Thur), Gunsan Saemangeum, Convention center Gunsan, Rep. Of Korea, 35.
3. Bartschat Klaus, Kushner Mark J.: 2016*, Electron collisions with atoms, ions, molecules, and surfaces: Fundamental science empowering advances in technology,* Proceedings of the National Academy of Sciences of the United States of America, **113**, 7026.
4. Müller Holger S. P., Walters Adam, Wehres Nadine, Belloche Arnaud, Wilkins Olivia H., Liu, Delong, Vicente Rém, Garrod Robin T., Menten Karl M., Lewen Frank, Schlemmer Stephan: 2016*, Laboratory spectroscopic study and astronomical detection of vibrationally excited n-propyl cyanide,* Astronomy and Astrophysics, **595**, A87.
5. Rey Michaël, Nikitin Andrei V., Babikov Yurii L., Tyuterev Vladimir G: 2016*, TheoReTS - An information system for theoretical spectra based on variational predictions from molecular potential energy and dipole moment surfaces,* Journal of Molecular Spectroscopy, **327**, 122.
6. Tennyson Jonathan, Yurchenko Sergei N., Al-Refaie Ahmed F., Barton Emma J., Chubb Katy L., Coles Phillip A., Diamantopoulou S., Gorman Maire N., Hill Christian, Lam Aden Z., Lodi Lorenzo, McKemmish Laura K., Na Yueqi, Owens Alec, Polyansky Oleg L., Rivlin Tom, Sousa-Silva Clara, Underwood Daniel S., Yachmenev Andrey, Zak Emil: 2016, *The ExoMol database: Molecular line lists for exoplanet and other hot atmospheres*, Journal of Molecular Spectroscopy, **327**, 73.

7. Zwölf Carlo Maria, Moreau Nicolas, Dubernet Marie-Lise: 2016*, New model for datasets citation and extraction reproducibility in VAMDC,* Journal of Molecular Spectroscopy, **327**, 122.
8. Adamovich, I., Baalrud, S. D., Bogaerts, A., Bruggeman, P. J., Cappelli, M., Colombo, V., Czarnetzki, U., Ebert, U., Eden, J. G., Favia, P., Graves, D. B., Hamaguchi, S., Hieftje, G., Hori, M., Kaganovich, I. D., Kortshagen, U., Kushner, M. J., Mason, N. J., Mazouffre, S., Mededovic Thagard, S., Metelmann, H.-R., Mizuno, A., Moreau, E., Murphy, A. B., Niemira, B. A., Oehrlein, G. S., Petrovic, Z. Lj, Pitchford, L. C., Pu, Y.-K., Rauf, S., Sakai, O., Samukawa, S., Starikovskaia, S., Tennyson, J., Terashima, K., Turner, M. M., van de Sanden, M. C. M., Vardelle, A: 2017*, The 2017 Plasma Roadmap: Low temperature plasma science and technology,* Journal of Physics D: Applied Physics, **50**, 323001.
9. Bartschat Klaus, Kushner Mark J.: 2017*, Quantum-Mechanical Calculations of Cross Sections for Electron Collisions With Atoms and Molecules,* Plasma Processes and Polymers, **14**, 1600093.
10. Brunger, M. J.: 2017*, Electron scattering and transport in biofuels, biomolecules and biomass fragments,* International Reviews in Physical Chemistry, **36**, 333.
11. Егоров, О. В.,Войцеховская, О. К., Каширский, Д. Е.: 2017*, Валидация дистанционного метода определения температуры и концентрации высокотемпературного водяного пара по эталонным спектрам пропускания,* Известия высших учебных заведений, Физика, **60(11)**, 100.
11. Gordon, I. E., Rothman, L. S., Hill, C., Kochanov, R. V., Tan, Y., Bernath, P. F., Birk, M., Boudon, V., Campargue, A., Chance, K. V., Drouin, B. J., Flaud, J.-M., Gamache, R. R., Hodges, J. T., Jacquemart, D., Perevalov, V. I., Perrin, A., Shine, K. P., Smith, M.-A. H., Tennyson, J., Toon, G. C., Tran, H., Tyuterev, V. G., Barbe, A., Császár, A. G., Devi, V. M., Furtenbacher, T., Harrison, J. J., Hartmann, J.-M., Jolly, A., Johnson, T. J., Karman, T., Kleiner, I., Kyuberis, A. A., Loos, J., Lyulin, O. M., Massie, S. T., Mikhailenko, S. N., Moazzen-Ahmadi, N., Müller, H. S. P., Naumenko, O. V., Nikitin, A. V., Polyansky, O. L., Rey, M., Rotger, M., Sharpe, S. W., Sung, K., Starikova, E., Tashkun, S. A., Auwera, J. Vander, Wagner, G., Wilzewski, J., Wcisło, P., Yu, S., Zak, E. J.: 2017, *The HITRAN2016 molecular spectroscopic database*, Journal of Quantitative Spectroscopy and Radiative Transfer, **203**, 3.
12. Gorfinkiel Jimena D., Ptasinska Sylwia: 2017*, Electron scattering from molecules and molecular aggregates of biological relevance,* Journal of Physics B: Atomic, Molecular, and Optical Physics, **50**, 182001.
13. Lobel, A., Royer, P., Martayan, C., Laverick, M., Merle, T., David, M., Hensberge, H., Thienpont, E.: 2017*, The Belgian repository of fundamental atomic data and stellar spectra,* Canadian Journal of Physics, **95**, 833.

14. Laverick, M., Lobel, A., Royer, P., Martayan, C., Merle, T.: 2017*, BRASS: Cross-match of atomic repositories and spectral line blending investigations,* Canadian Journal of Physics, **95**, 843.
15. Louge, T., Karray, M. H., Archimède, B., Knödlseder, J.: 2017, *CASAS: A tool for composing automatically and semantically astrophysical services*, Astronomy and Computing, **20**, 34.
16. Marinković Bratislav P., Bredehöft Jan Hendrik, Vujčić Veljko, Jevremović Darko, Mason Nigel J.: 2017, *Rosetta Mission: Electron Scattering Cross Sections—Data Needs and Coverage in BEAMDB Database*, Atoms, **5**, 46.
17. Müller Holger S. P., Zingsheim Oliver, Wehres Nadine, Grabow Jens-Uwe, Lewen Frank, Schlemmer Stephan: 2017*, Rotational Spectroscopy of the Lowest Energy Conformer of 2-Cyanobutane,* Journal of Physical Chemistry, **121**, 7121.
18. Pitchford Leanne C., Alves Luis L., Bartschat Klaus, Biagi Stephen F., Bordage Marie-Claude, Bray Igor, Brion Chris E., Brunger Michael J., Campbell Laurence, Chachereau Alise, Chaudhury Bhaskar, Christophorou Loucas G., Carbone Emile, Dyatko Nikolay A., Franck Christian M., Fursa Dmitry V., Gangwar Reetesh K., Guerra Vasco, Haefliger Pascal, Hagelaar Gerjan J. M., Hoesl Andreas, Itikawa Yukikazu, Kochetov Igor V., McEachran Robert P., Morgan W. Lowell, Napartovich Anatoly P., Puech Vincent, Rabie Mohamed, Sharma Lalita, Srivastava Rajesh, Stauffer Allan D., Tennyson Jonathan, Urquijo Jaime de, Dijk Jan van, Viehland Larry A., Zammit Mark C., Zatsarinny Oleg, Pancheshnyi Sergey: 2017*, LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling LowTemperature Plasmas,* Plasma Processes and Polymers, **14**, 1600098.
19. Quinet Pascal: 2017*, Overview of recent advances performed in the study of atomic structures and radiative processes for the lowest ionization stages of heavy elements,* Canadian Journal of Physics, **95**, 790.
20. Rey Michael, Nikitin Andrei V., Tyuterev Vladimir G.: 2017*, Accurate Theoretical Methane Line Lists in the Infrared up to 3000 K and Quasi-continuum Absorption/Emission Modeling for Astrophysical Applications,* Astrophysical Journal, **847**, 105.
21. Ryabchikova Tatiana: 2017*, Atomic and molecular data: data organization in A+M databases and their use for stellar spectroscopy,* European Physical Journal D, **71**, 169.
22. Tennyson Jonathan, Rahimi Sara, Hill Christian, Tse Lisa, Vibhakar Anuradha, Akello-Egwel Dolica, Brown Daniel B., Dzarasova Anna, Hamilton James R., Jaksch Dagmar, Mohr Sebastian, Wren-Little Keir, Bruckmeier Johannes , Agarwal Ankur, Bartschat Klaus, Bogaerts Annemie, Booth Jean-Paul, Goeckner Matthew J., Hassouni Khaled, Itikawa Yukikazu, Braams Bastiaan J., Krishnakumar E., Laricchiuta Annarita, Mason Nigel J., Pandey Sumeet, Petrovic Zoran Lj., Pu

Yi-Kang, Ranjan Alok, Rauf Shahid, Schulze Julian, Turner Miles M., Ventzek Peter, Whitehead J Christopher, Yoon Jung-Sik: 2017*, QDB: a new database of plasma chemistries and reactions,* Plasma Sources Science and Technology, **26**, 055014.

23. Tyuterev Vladimir G., Kochanov Roman V., Tashkun Sergey A.: 2017*,Accurate ab initio dipole moment surfaces of ozone: First principle intensity predictions for rotationally resolved spectra in a large range of overtone and combination bands,* Journal of Chemical Physics, **146**, 064304.
24. Amyay Badr, Boudon Vincent: 2018*, Vibration-rotation energy levels and corresponding eigenfunctions of $^{12}CH_4$ up to the tetradecad,* Journal of Quantitative Spectroscopy and Radiative Transfer, **219**, 85.
25. Amyay Badr, Gardez Aline, Georges Robert, Biennier Ludovic, Vander Auwera Jean: 2018*, New investigation of the v^3 C–H stretching region of $^{12}CH_4$ through the analysis of high temperature infrared emission spectra,* Journal of Chemical Physics, **148**, 134306.
26. Barbe, A., Starikova, E., De Backer, M.-R., Tyuterev, Vl. G.: 2018*, Analyses of infrared FT spectra of asymmetric ozone isotopologue $^{16}O^{16}O^{18}O$ in the range 950-3850 cm^{-1},* Journal of Quantitative Spectroscopy and Radiative Transfer **218**, 231.
27. Belmonte María Teresa, Pickering Juliet C., Clear Christian P., Mairey Florence Concepción, Liggins Florence: 2018*, The Laboratory Astrophysics Spectroscopy Programme at Imperial College London,* Galaxies, **6**, 109.
28. Benda Jakub, Houfek Karel: 2018*,Converged and consistent high-resolution low-energy electron-hydrogen scattering. I. Data below n = 4 threshold for applications in stellar physics,* Atomic Data and Nuclear Data Tables, **119**, 303.
29. Boudon, V., Grigoryan, T., Philipot, F., Richard, C., Tchana, F. Kwabia, Manceron, L., Rizopoulos, A., Auwera, J. Vander, Encrenaz, Th.: 2018, *Line positions and intensities for the v3 band of 5 isotopologues of germane for planetary applications,* Journal of Quantitative Spectroscopy and Radiative Transfer, Volume **205**, 174.
30. Delahaye, F., Badnell, N. R., Ballance, C. P., Palmeri P., Preval, S., Quinet, P., Ramsbottom, C., Smyth, R. T., Turkington, M., Zeippen, C. J.: 2018, *A Quantitative Comparison of Opacities Calculated Using the Distorted-Wave and R-Matrix Methods,* Workshop on Astrophysical Opacities, Proceedings of a conference held 1-4 August 2017 at Michigan University, Kalamazoo, Michigan, USA, Eds. Claudio Mendoza, Sylvaine Turck-Chiéze, James Colgan. San Francisco: Astronomical Society of the Pacific, ASP Conference Series, **515**, 69.
31. Egorov, O. V., Voitsekhovskaya, O. K., Kashirskii, D. E.: 2018*,Validation of the Remote Method of Determining the Temperature and Concentration of High-temperature Water Vapor from the Reference Transmission Spectra,* Russian Physics Journal, **60**, 1961.

32. Erard, S., Cecconi, B., Le Sidaner, P., Rossi, A. P., Capria, M. T., Schmitt, B., Génot, V., André, N., Vandaele, A. C., Scherf, M., Hueso, R., Määttänen, A., Thuillot, W., Carry, B., Achilleos, N., Marmo, C., Santolik, O., Benson, K., Fernique, P., Beigbeder, L., Millour, E., Rousseau, B., Andrieu, F., Chauvin, C., Minin, M., Ivanoski, S., Longobardo, A., Bollard, P., Albert, D., Gangloff, M., Jourdane, N., Bouchemit, M., Glorian, J.-M., Trompet, L., Al-Ubaidi, T., Juaristi, J., Desmars, J., Guio, P., Delaa, O., Lagain, A., Soucek, J., Pisa, D.: 2018,*VESPA: A community--driven Virtual Observatory in Planetary Science,* Planetary and Space Science, **150**, 65.
33. Laverick, M., Lobel, A., Merle, T., Royer, P., Martayan, C., David, M., Hensberge, H., Thienpont, E.: 2018, *The Belgian repository of fundamental atomic data and stellar spectra (BRASS). I. Cross-matching atomic databases of astrophysical interest,* Astronomy and Astrophysics, **612**, A60.
34. Laverick, M., Lobel, A., Royer, P., Martayan, C., Merle, T., van Hoof, P. A. M., Van de Swaelmen, M., David, M., Hensberge, H., Thienpont, E.: 2018, *The Belgian repository of fundamental atomic data and stellar spectra (BRASS). Identifying Fruitful Methods for Producing Atomic Data,* Galaxies, **6,** 78.
35. Lougea, T., Karray, M. H., Archimède, B., Knödlseder, J.: 2018, *ASON: An OWL-S based ontology for astrophysical services,* Astronomy and Computing, **24,** 1.
36. Moreau Nicolas, Zwolf Carlo-Maria, Ba Yaye-Awa, Richard Cyril, Boudon Vincent, Dubernet Marie-Lise: 2018, *The VAMDC Portal as a Major Enabler of Atomic and Molecular Data Citation,* Galaxies, **6,** 105.
37. Regandell Samuel, Marquart Thomas, Piskunov Nikolai: 2018, *Inside a VAMDC data node—putting standards into practical software,* Physica Scripta **93**, 035001.
38. Rey Michaël, Chizhmakova Iana S., Nikitin Andrei V., Tyuterev Vladimir G.: 2018, *Understanding global infrared opacity and hot bands of greenhouse molecules with low vibrational modes from first-principles calculations: the case of* CF_4, Physical Chemistry Chemical Physics, **20**, 21008.
39. Starikova Evgeniya, Sung Keeyoon, Nikitin Andrei V., Rey Michael, Mantz Arlan W., Smith Mary Ann H.: 2018, *The* $^{13}CH4$ *absorption spectrum at 80 K: Assignment and modeling of the lower part of the Tetradecad in the 4970-5470* cm^{-1} *spectral range,* Journal of Quantitative Spectroscopy and Radiative Transfer, Volume **206**, 306.
40. Tennyson J.: 2018, *Molecular Spectroscopy for Exoplanets,* In Astrophysics of Exoplanetary Atmospheres, eds. Bozza V., Mancini L., Sozzetti A., Springer, Cham., Astrophysics and Space Science Library, **450**, 91.
41. Vander Auwera, J., Reymond-Laruinaz, S., Boudon, V., Doizi, D., Manceron, L.: 2018, *Line intensity measurements and analysis in the* ν_3 *band*

of ruthenium tetroxide, Journal of Quantitative Spectroscopy and Radiative Transfer, Volume **204**, 103.

42. Al-Sabaawi Aiman, Ibrahim Hassan M., Abdal Baqee Mahmood Almalullah Mohammed, Kaur Jasmeet, Al-Dulaimi Khamael, Zwayen Amani: 2019, *Proposal Specifications of Building Data Centre for Virtual Global Nets*, Conference 6th IEEE Asia-Pacific Conference on Computer Science and Data Engineering - CSDE 2019, Melbourne.
43. Egorov, Oleg; Nikitin, Andrei; Rey, Michäel; Rodina, Alena; Tashkun, Sergei; Tyuterev, Vladimir: 2019, *Global modeling of NF3 line positions and intensities from far to mid-infrared up to 2200 cm^{-1}*, Journal of Quantitative Spectroscopy and Radiative Transfer, Volume 239, article id. 106668.
44. Emoto Masahiko, Murakami Izumi, Kato Daiji, Yoshida Masanobu, Kato Masatoshi, Imazu Setsuo: 2019, *Improvement of the NIFS Atom and Molecular Database*, Atoms, **7**, 91.
45. Emoto Masahiko, Murakami Izumi, Kato Daiji, Yoshida Masanobu, Kato Masatoshi, Imazu Setsuo: 2019, *Improvement of the NIFS Atom and Molecular Database*, In: Eleventh International Conference on Atomic and Molecular Data and Their Applications, eds. James F. Babb, Nancy Brickhouse, MDPI, Basel, 44.
46. Genova, F.: 2019, *The action sp ecifique Observatoires virtuels France (Virtual observatory France specific action) in the open science context*, Proceedings: Journées de la Société Française d'Astronomie & d'Astrophysique, SF2A 2019, 14 au 17 mai 2019 à Nice, eds. P. Di Matteo, O. Creevey, A. Crida, G. Kordopatis, J. Malzac, J.-B. Marquette, M. N'Diaye, O. Venot, Société Française d'Astronomie & d'Astrophysique , 27.
47. Laverick, M., Lobel, A., Royer, P., Merle, T., Martayan, C., van Hoof, P. A. M., Van der Swaelmen, M.: 2019, *The Belgian repository of fundamental atomic data and stellar spectra (BRASS); II. Quality assessment of atomic data for unblended lines in FGK stars*, Astronomy and Astrophysics, **624**, A60.
48. Louge Thierry, Karray Mohamed Hedi, Archimède Bernard, Maamar Zakaria, Mrissa Michael: 2019, *Semantic Web Services Composition in the astrophysics domain: Issues and solutions*, Future Generation Computer Systems **90**, 185.
49. Marinković Bratislav P., Bredehöft Jan Hendrik, Vujčić Veljko, Jevremović Darko, Mason Nigel J.: 2019, *Rosetta Mission: Electron Scattering Cross Sections—Data Needs and Coverage in BEAMDB Database*, in: Spectral line shapes in astrophysics and related topics, Milan S. Dimitrijević, Luka Č. Popović, editors: MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 191.
50. Müller Holger S. P., Maeda Atsuko, Thorwirth Sven, Lewen Frank, Schlemmer Stephan, Medvedev Ivan R., Winnewisser Manfred, De Lu-

cia Frank C., Herbst Eric: 2019, *Laboratory spectroscopic study of isotopic thioformaldehyde, H2CS, and determination of its equilibrium structure*, Astronomy and Astrophysics, **621**, A143.
51. Пахомов, Ю. В., Рябчикова, Т. А.: 2019, *Эволюция базы данных параметров спектральных линий VALD*, Научные труды Института астрономии РАН, Том 4, 79.
52. Войцеховская, О. К., Каширский, Д. Е., Шефер, О. В.: 2019, *Анализ спектроскопической информации для поиска выбросов метана на локальных трассах с помощью CO- и He – Ne-лазеров*, Квантовая электроника **49**, 881.
53. Voitsekhovskaya, O. K., Kashirskii, D. E., Shefer, O. V.: 2019, *Analysis of spectroscopic information for detecting methane emissions on local paths using CO- and He-Ne lasers*, Quantum Electronics **49**, 881.
54. Wong Andy, Bernath Peter F., Rey Michael, Nikitin Andrei V., Tyuterev, Vladimir G.: 2019, *Atlas of Experimental and Theoretical High-temperature Methane Cross Sections from T = 295 to 1000 K in the Near-infrared*, Astrophysical Journal Supplement Series, **240**, 4.
55. Zwölf Carlo Maria, Moreau Nicolas, Ba Yaye-Awa, Dubernet Marie-Lise: 2019, *Implementing in the VAMDC the New Paradigms for Data Citation from the Research Data Alliance*, Data Science Journal, **18,** 4.
56. Akhlestin Alexey, Lavrentiev Nikolai, Kozodoev Alexey, Kozodoeva Elena, Privezentsev Alexey, Fazliev Alexander: 2020, *Improvement of the Data Quality Assessment Procedure in Large Collections of Spectral Data,* Conference: Data Analytics and Management in Data Intensive Domains (DAMDID/RCDL 2020), Voronezh, Russia, CEUR Workshop Proceedings, **2790**, 263.
57. Ba Yaye-Awa, Dubernet Marie-Lise, Moreau Nicolas, Zwölf Carlo Maria: 2020, BASECOL2020 (basecol.vamdc.org) New Technical Design, Atoms, **8**, 69.
58. Boursier, C., Mandal, B., Babikov, D., Dubernet, M. L.: 2020, *New H_2O-H_2O collisional rate coefficients for cometary applications*, Monthly Notices of the Royal Astronomical Society, **498**, 5489..
59. Heiter Ulrike: 2020, *Atomic data for stellar spectroscopy,* Astronomy in Focus XXX, presented at IAU XXX General Assembly, Vienna, Austria. Proceedings of the IAU, 458.
60. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.
61. Jun-Hyoung Park, Heechol Choi, Won-Seok Chang, Sang Young Chung, Deuk-Chul Kwon, Mi-Young Song, Jung-Sik Yoon: 2020, *A New Version of the Plasma Database for Plasma Physics in the Data Center for Plasma Properties,* Applied Science and Convergence Technology, **29**, 5.

62. Lu Hu, Varvarezos Lazaros, Hayden Patrick, Kennedy Eugene T., Mosnier Jean-Paul, Costello John T.: 2020, *The 5d-6p VUV Photoabsorption Spectrum of Bi+,* Atoms, **8**, 55.
63. Mendoza Claudio: 2020, *Atomic Databases: Four of a Kind,* Atoms, **8**, 30.
64. Perevalov, V. I., Ponomarev, Yu. N., Ptashnik, I. V., Sinitsa, L. N.: 2020, *High-Resolution Molecular Spectroscopy at the Institute of Atmospheric Optics: Current Status of Theoretical and Experimental Research,* Atmospheric and Oceanic Optics, **33**, 10.
65. Richard, C., Boudon, V., Rotger, M.: 2020, *Calculated spectroscopic databases for the VAMDC portal: New molecules and improvements,* Journal of Quantitative Spectroscopy and Radiative Transfer, **251**, 107096.
66. Skinner Frances M., Gordon Iouli E., Hill Christian, Hargreaves Robert J., Lockhart Kelly E., Rothman Laurence S.: 2020, *Referencing Sources of Molecular Spectroscopic Data in the Era of Data Science: Application to the HITRAN and AMBDAS Databases,* Atoms, **8**, 16.
67. Chubb Katy L., Rocchetto Marco, Yurchenko Sergei N., Min Michiel, Waldmann Ingo, Barstow Joanna K., Mollière Paul, Al-Refaie Ahmed F., Phillips Mark W., Tennyson Jonathan: 2021, *The ExoMolOP database: Cross sections and k-tables for molecules of interest in high-temperature exoplanet atmospheres,* Astronomy and Astrophysics, **646**, A21.
68. Richard, C., Boudon, V., Rizopoulos, A., Vander Auwera, J., Kwabia Tchana, F.: 2021, *Line positions and intensities for the ν_2/ν_4 bands of 5 isotopologues of germane near 11.5 μm,* Journal of Quantitative Spectroscopy and Radiative Transfer, **260**, 107474.
69. Yurchenko Sergei N., Tennyson Jonathan: 2021, *Atomic and Molecular Line Data,* ExoFrontiers: Big questions in exoplanetary science, ed. Nikku Madhusudhan, IOP Publishibg, Bristol, 21.

345. **A**. **A**. **Mihajlov, V**. **A**. **Srećković, Lj**. **M**. **Ignjatović, M**. **S**. **Dimitrijević: 2016, Monthly Notices of the Royal Astronomical Society 458, 2215 [A264]**.

1. Лебедев, В. С., Кислов, К. С., Нариц, А. А.: 2018, *Сильный рост скорости электрон-ионной рекомбинации в результате свободно-связанных и связанно-связанных резонансных переходов*, Письма в ЖЭТФ, **108**, 618.

1a. Lebedev, V. S., Kislov, K. S., Narits, A. A.: 2018, Strong Enhancement of Electron-Ion Recombination Owing to Free-Bound and Bound-Bound Resonance Transitions, JETP Letters, **108**, 582.

2. Głódź , M., Huzandrova, A., Magnier, S., Petrov, L., Sydoryk, I., Szonert, J., Klavins, J.:2019, Energy transfer reaction K(4s) + K(7s) → K(4s) + K(5f), theory compared with experiment, Journal of Quantitative Spectroscopy and Radiative Transfer, **227**, 152.
3. Иванов, V. A., Скобло, Ю.Э.: 2019, *Гелиевое послесвечение без метастабильных частиц*, Оптика и спектроскопия,**127**, 890.

346. **Roland Stamm, Ibtissem Hannachi, Mutia Meireni, Hubert Capes, Laurence Godbert-Mouret, Mohammed Koubiti, Joël Rosato, Yannick Marandet, Milan Dimitrijević, Zoran Simić: 2017 European Physical Journal D, 71, 68 [A 266]**.

1. Hannachi,I., Meireni, M., Génésio, P., Rosato, J., Stamm, R., Marandet, Y.: 2017, *Effect of Turbulence on Line Shapes in Astrophysical and Fusion Plasmas*, Atoms **5**, 34.
2. Kroupp, E., Stambulchik, E., Starobinets, A., Osin, D., Fisher, V. I., Alumot, D., Maron, Y., Davidovits, S., Fisch, N. J., Fruchtman, A.: 2018, *Turbulent stagnation in a Z -pinch plasma*, Physical Review E, **97**, 013202.
3. Hannachi,I., Meireni, M., Rosato, J., Stamm, R., Marandet, Y.: 2019, *Effect of Wave Collapse on Lyman and Balmer lines*, Journal of Physics: Conference Series **1289**, 012034.
4. Oks Eugene: 2019, *Diagnostic of Langmuir Solitons in Plasmas Using Hydrogenic Spectral Lines*, Atoms, **7**, 25.
5. Hannachi, I., Meireni, M., Génésio, P., Rosato, J., Stamm, R., Marandet, Y.: 2017, *Effect of Turbulence on Line Shapes in Astrophysical and Fusion Plasmas*, in: Spectral line shapes in astrophysics and related topics, Milan S. Dimitrijević, Luka Č. Popović, editors: MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 93.

347. **C**. **Yubero, A**. **Rodero, M**. **S**. **Dimitrijevic, A**. **Gamero, M**. **C**. **García: 2015, Spectrochimica Acta B <u>129</u>, 14 [A 267]**.

1. Rodero, A., García, M. C.: 2017, *Gas temperature determination of non--thermal atmospheric plasmas from the collisional broadening of argon atomic emission lines*, Journal of Quantitative Spectroscopy and Radiative Transfer, **198**, 93.
2. Li Ling-Hsiao, Huang Chung: 2017, *Spectroscopic Diagnostics of Enhanced Magnetron and Mesh Separation Effects in Cyclonic Atmosperic Pressure Plasma Surface Modification of Polyethylene Terephthalate,* Plasma Chemistry and Plasma Processes, **37**, 1587.
3. Svarnas, P., Papadopoulos, P. K., Athanasopoulos, D., Sklias, K., Gazeli, K., Vafeas, P.: 2018, *Parametric study of thermal effects in a capillary dielectric-barrier discharge related to plasma jet production: Experiments and numerical modelling,* Journal of Applied Physics **124**, 064902.
4. Erözbek Güngör, Ü: 2019, *The Stark Broadening Parameters of the Nitrogen HF RF-CCPs*, Journal of Physics: Conference Series **1289**, 012012.
5. Iseni, S., Michaud, R., Lefaucheux, P., Sretenović, G. B., Schulz-von der Gathen, V., Dussart, R.: 2019, *On the validity of neutral gas temperature by emission spectroscopy in micro-discharges close to atmospheric pressure*, Plasma Sources Science and Technology, **28**, 065003.
6. Lopes Sant'Ana Péricles, Freire Ana Catarina, Odstrcil Michael, Jaspers Roger: 2019, *Physics and application of plasma diagnostics, electrostatic confinement and characterization by optical emission spectroscopy*, Revista Brasileira de Aplicações de Vácuo, Campinas, **38(2)**, 69.
7. Yuan Qianghua, Ren Pei, Liu Shanshan, Wang Jingjing, Yin Guiqin: 2020, *The optical emission spectroscopy of nitrogen plasma driven by the 94.92 MHz/13.56 MHz dual-frequency*, Physics Letters A, **384**, 26367.
8. Garcia Maria C., Yubero Cristina, Rodero, Antonio: 2020*, Measuring the air fraction and the gas temperature in non-thermal argon plasma jets*

through the study of the air influence on the collisional broadening of some argon atomic emission lines, Plasma Sources Science and Technology **29**, 055006.

9. Chen Ting-Hao, Chung Fang-Yi, Jiang Wei-Fan, Huang Chun: 2021*, A study of plasma power effects on surface activation of polystyrene,* Vacuum, **186**, 110069.
10. Huang Chn, Jiang Wei-Fan: 2021, *Atmospheric Pressure Plasma Helix Polyethylene terephthalate Surface Activation and Its Electron Density Measurement*, High Energy Chemistry, **55**, 222.
11. Kalanov, D., Kozakov, R., Gortschakow, S.: 2021, *Spatially resolved LAAS diagnostics of a free-burning ar arc: Analysis of line broadening,* Journal of Quantitative Spectroscopy and Radiative Transfer, **265**, 107564.

348. **Konstantinos Kalachanis, Efstratios Theodossiou, Milan S**. **Dimitrijević: 2016, Зборник Матице српске за класичне студије, бр**. **18, Нови Сад 2016, 135 [E 151]**.

1. Tasić Milan: 2019, *К наиболее общему определению понятия "информация" – как определению для человека*, Biocosmology – Neo-Aristotelism **9**, 230.

349. **Bratislav P**. **Marinković, Darko Jevremović, Vladimir A**. **Srećković, Veljko Vujčić, Ljubinko M**. **Ignjatović, Milan S**. **Dimitrijević, Nigel J**. **Mason: 2017, European Physical Journal D, 71, 158 [A 268]**.

1. Marinković Bratislav P., Bredehöft Jan Hendrik, Vujčić Veljko, Jevremović Darko, Mason Nigel J.: 2017, *Rosetta Mission: Electron Scattering Cross Sections—Data Needs and Coverage in BEAMDB Database*, Atoms, **5**, 46.
2. Ranković Miloš Lj., Maljković Jelena B., Tökési Károly, Marinković Bratislav P.: 2018, *Elastic electron differential cross sections for argon atom in the intermediate energy range from 40 eV to 300 eV*, European Physical Journal D, 72, 30.
3. Marinković Bratislav P., Bredehöft Jan Hendrik, Vujčić Veljko, Jevremović Darko, Mason Nigel J.: 2017, *Rosetta Mission: Electron Scattering Cross Sections—Data Needs and Coverage in BEAMDB Database*, in: Spectral line shapes in astrophysics and related topics, Milan S. Dimitrijević, Luka Č. Popović, editors: MDPI, Basel, Beijing, Wuhan, Barcelona, Belgrade, 191.
4. Ivanović Stefan, Uskoković Nebojša, Marinković Bratislav P., Mason Nigel J.: 2020, *Determining extrapolated differential cross sections from data sets in BEAMDB using machine learning algorithms***,** Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24 – 28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 45-48.

5. Srećković Vladimir A., Nina Aleksandra: 2019, *Special Issue on Astrophysics & Geophysics: Research and Applications*, Data, **4**, 21.
6. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

350. **Zlatko Majlinger, Zoran Simić, Milan S**. **Dimitrijević: 2017, Monthly Notices of the Royal Astronomical Society, 470, 1911 [A269]**.

1. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.

351. **Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchot, Milan S**. **Dimitrijević: 2017, Atoms 5, 26 [A270]**.

1. Yakub Nafeesah Abdul Rahim, Qindeel Rabia, Alonizan Norah, Ben Nessib Nabil: 2018, *Expectation Values of the Neutral Chromium Radius,* Atoms, **6**, 51.

352. **Vladimir A**. **Srećković, Ljubinko M**. **Ignjatović, Darko Jevremović, Veljko Vujčić, Milan S**. **Dimitrijević: 2017, Atoms 5, 31 (1-11) [A 273]**.

1. Srećković Vladimir A., Šulić Desanka M., Vujčić Veljko, Jevremović Darko, Vyklyuk Yaroslav: 2018, *The Effects of Solar Activity: Electrons in the Terrestrial Lower Ionosphere,* Journal of Geographical Institute of "Jovan Cvijić" SASA, **67**, 221.
2. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

353. **Roland Stamm, Ibtissem Hannachi, Mutia Meireni, Laurence Godbert-Mouret, Mohammed Koubiti, Yannick Marandet, Joël Rosato, Milan S**. **Dimitrijević, Zoran Simić: 2017, Atoms 5, 32 [A 274]**.

1. Kukushkin Alexander B., Neverov Vladislav S., Sdvizhenskii Petr A., Voloshinov Vladimir V.: 2018, *Automodel Solutions of Biberman-Holstein Equation for Stark Broadening of Spectral Lines,* Atoms **6**, 43.
2. Kukushkin Alexander B., Neverov Vladislav S., Sdvizhenskii Petr A., Voloshinov Vladimir V.: 2018, *Automodel Solutions of Biberman-Holstein Equation for Stark Broadening of Spectral Lines,* in Stark Broadening of Spectral Lines in Plasma, ed. Eugen Oks, Basel, 129-143.
3. Gigosos Marco A., Mancini Roberto C., Martín-González Juan M., Florido Ricardo: 2021, *Stark-Broadening of Ar K-Shell Lines: A Comparison between Molecular Dynamics Simulations and MERL Results,* Atoms, **9**, 9.

354. **Joël Rosato, Ny Kieu, Ibtissem Hannachi, Mutia Meireni, Laurence Godbert-Mouret, Mohammed Koubiti, Yannick Marandet, Roland Stamm, Milan S**. **Dimitrijević, Zoran Simić: 2017, Atoms 5, 36 (1-10) [A 275]**.

1. Parigger Christian, Drake Kyle, Helstern Christopher, Gautam Ghaneshwar: 2018, *Laboratory Hydrogen-Beta Emission Spectroscopy for Analysis of Astrophysical White Dwarf Spectra,* Atoms **6**, 36.

2. Parigger Christian, Drake Kyle, Helstern Christopher, Gautam Ghaneshwar: 2018, *Laboratory Hydrogen-Beta Emission Spectroscopy for Analysis of Astrophysical White Dwarf Spectra,* in Stark Broadening of Spectral Lines in Plasma, ed. Eugen Oks, Basel, 70-86.
3. Rosato, J., Ferri, S., Stamm, R.: 2018, *Influence of Helical Trajectories of Perturbers on Stark Line Shapes in Magnetized Plasmas,* Atoms **6**, 12.
4. Kukushkin Alexander B., Neverov Vladislav S., Sdvizhenskii Petr A., Voloshinov Vladimir V.: 2018, *Automodel Solutions of Biberman-Holstein Equation for Stark Broadening of Spectral Lines,* Atoms **6**, 43.
5. Rosato, J., Hannachi, I., Stamm, R.: 2020, *Hydrogen stark broadening calculations in white dwarf atmosphere conditions,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 105.
6. Raji, A., Rosato, J., Stamm, R., Marandet, Y. : 2021, *New analysis of Balmer line shapes in magnetic white dwarf atmospheres,* European Physical Journal D, **75**, 63.
7. Parigger, Christian G.: 2021, *Review of spatiotemporal analysis of laser-induced plasma in gases*, Spectrochimica Acta Part B: Atomic Spectroscopy, **179**, 106122.

355. **Cristina Yubero, Antonio Rodero, Milan S**. **Dimitrijević, Antonio Gamero, Maria del Carmen Garcia: 2017, Atoms 5, 41 [A 276]**.

1. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
2. Ahmed, A., Singha, S., Borthakur, S., Neog, N. K., Borthakur, T. K., Ghosh, J.: 2021, *Characteristics of plasma stream evolution in a pulsed plasma accelerator*, Physics of Plasmas, **28**, 023109.
3. Kalanov, D., Kozakov, R., Gortschakow, S.: 2021, *Spatially resolved LAAS diagnostics of a free-burning ar arc: Analysis of line broadening,* Journal of Quantitative Spectroscopy and Radiative Transfer, **265**, 107564.

356. **Ny Kieu, Joël Rosato, Roland Stamm, Jelena Kovačević-Dojčinović, Milan S**. **Dimitrijević, Luka Č**. **Popović, Zoran Simić: 2017, Atoms 5 (2017), 44 [A 278]**.

1. Parigger Christian, Drake Kyle, Helstern Christopher, Gautam Ghaneshwar: 2018, *Laboratory Hydrogen-Beta Emission Spectroscopy for Analysis of Astrophysical White Dwarf Spectra,* Atoms **6**, 36.
2. Parigger Christian, Drake Kyle, Helstern Christopher, Gautam Ghaneshwar: 2018, *Laboratory Hydrogen-Beta Emission Spectroscopy for Analysis of Astrophysical White Dwarf Spectra,* in Stark Broadening of Spectral Lines in Plasma, ed. Eugen Oks, Basel, 70-86.
3. Rosato Joël: 2020, *Hydrogen Line Shapes in Plasmas with Large Magnetic Fields,* Atoms **8**, 74.

4. Arumona, A. E., Garhwal, A., Khunnam, W., Youplao, P., Ray, K., Yupapin, P. 2022, *Electron cloud zeeman effect sensors using silver bars embedded microring resonator*, Optical and Quantum Electronics, **54**, 140.

357. Vladimir A. Srećković, Darko Jevremović, Veljko Vujčić, Ljubinko M. Ignjatović, Nenad Milovanović, Sanja Erkapić, Milan S. Dimitrijević: 2017, Astroinformatics, Proceedings IAU Symposium No. 325, M. Brescia, S. G. Djorgovski, E. Feigelson, G. Longo, S. Cavuoti, Eds., 393 [Д 111].

1. Coppola Carla Maria, Galli Daniele: 2019, *Gas-Phase Chemistry in Space; From elementary particles to complex organic molecules,* eds. François Lique, Alexandre Faure, IOP Astronomy, 1-1.
2. Coppola Carla Maria, Kazandjian Mher V.: 2019, *Matrix formulation of the energy exchange problem of multi-level systems and the code FRIGUS,* Rendiconti Lincei. Scienze Fisiche e Naturali, https://doi.org/10.1007/s12210-019-00849-x.
3. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

358. J. Muñoz, R. Rincón, C. Melero, M.S. Dimitrijević, C. González, M.D. Calzada: 2018, Journal of Quantitative Spectroscopy and Radiative Transfer, 206, 135 [A 279].

1. Martínez Juana, Castaños-Martínez Eduardo, González-Gago Cristina, Rincón Rocío, Calzada María Dolores, Muñoz José: 2018, *Influence of gas flow on the performance of surface-wave discharges sustained in capillary tubes,* Plasma Sources Science and Technology, **27**, 077001.
2. Erözbek Güngör, Ü: 2019, *The Stark Broadening Parameters of the Nitrogen HF RF-CCPs*, Journal of Physics: Conference Series **1289**, 012012.
3. Muñoz José, Rincón Rocío, Calzada María Dolores: 2019, *Spatial Distribution of Wettability in Aluminum Surfaces Treated with an Atmospheric--Pressure Remote-Plasma*, Metals **9**, 937.

359. Dmitry K. Efimov, Martins Bruvelis, Nikolai N. Bezuglov, Milan S. Dimitrijević, Andrey N. Klyucharev, Vladimir A. Srećković, Yurij N. Gnedin, Francesco Fuso: 2017, Atoms 5, 50 [A 282].

1. Viktorov, E. A., Pastor, A. A., Serdobintsev, P. Yu., Miculis, K., Bezuglov, N. N.: 2021, *Photoionization of polarized doublet states of Xenon atom*, Journal of Physics: Conference Series **2086**, 012174.

360. Nenad M. Sakan, Vladimir A. Srećković, Zoran J. Simić, Milan S. Dimitrijević: 2018, Atoms 6 , 4 [A 284].

1. Sakan Nenad M., Simić Zoran: 2020, *Numerov method analysis with a goal of application of complex plasma models,* Contributed papers & abstracts of invited lectures, topical invited lectures and progress reports of the 30th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2020, August 24-28, 2020, Šabac, Serbia, Eds: Luka Č. Popović, Duško Borka, Dragana Ilić, Vladimir Srećković, Publications of the Astronomical Observatory of Belgrade, **99**, 318.

361. **Rafik Hamdi, Nebil Ben Nessib, Sylvie Sahal-Bréchot, M**. **S**. **Dimitrijević: 2018, Monthly Notices of the Royal Astronomical Society, 475, 800 [A 285]**.

1. Popov, A. M., Sushkov, N. I., Zaytsev, S. M., Labutin, T. A.: 2019, *The effect of hyperfine splitting on Stark broadening for three blue-green Cu I lines in laser-induced plasma*, Monthly Notices of the Royal Astronomical Society **488**, 5594.
2. Blagojević, B., Djurović, S., Konjević, N.: 2021, *Stark broadening parameters of Ar II and Ar III lines: Comparison of semiclassical calculations,* Journal of Quantitative Spectroscopy and Radiative Transfer, **276**, 107950.

362. **Milan S**. **Dimitrijević, Zoran Simić, Roland Stamm, Joël Rosato, Nenad Milovanović, Cristina Yubero: 2018, Atoms 6, 10 [A 287]**.

1. Scheers, J., Ryabtsev, A., Borschevsky, A., Berengut, J. C., Haris, K., Schupp, R., Kurilovich, D., Torretti, F., Bayerle, A., Eliav, E., Ubachs, W., Versolato, O. O., Hoekstra, R.: 2018, Energy-level structure of Sn^{3+} ions*,* Physical Review A, **98**, 062503.
2. Scheers, J., Schupp, R., Meijer, R., Ubachs, W.,1Hoekstra, R., Versolato, O. O.: 2020, *Time- and space-resolved optical Stark spectroscopy in the afterglow of laser-produced tin-droplet plasma,* Physical Review E **102**, 013204.
3. Singh Narendra, Goyal, Arun: 2021, *Contribution of doubly and triply excited states in excitation energies with transition data and collisional excitation cross-section of* Sn^{13+} *and* Sn^{14+} *ions,* Radiation Physics and Chemistry, **189**, 109723.

363. **Milan S**. **Dimitrijević, Abhishek Chougule: 2018, Atoms 6, 15 [A289]**.

1. Yakub Nafeesah Abdul Rahim, Qindeel Rabia, Alonizan Norah, Ben Nessib Nabil: 2018, *Expectation Values of the Neutral Chromium Radius,* Atoms, **6**, 51.
2. Stambulchik Evgeny, Calisti Annette, Chung Hyun-Kyung Chung, González Manuel Á.: 2019, *Spectral Line Shapes in Plasmas II*, Atoms **7**, 20.

364. **Rihab Aloui, Haykel Elabidi, Sylvie Sahal-Bréchot, Milan S**. **Dimitrijević: 2018, Atoms 6, 20 [A290]**.

1. Elabidi, Haykel, Sahal-Bréchot, Sylvie: 2018, *Quantum mechanical Stark widths for Ar V and Ar VI lines: scaling with temperature,* Monthly Notices of the Royal Astronomical Society, **480**, 697.
2. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie: 2019, *Quantum Stark broadening data for Ar VIII and Ar IX lines,* Monthly Notices of the Royal Astronomical Society, **484**, 4801.
3. Aloui Rihab, Elabidi, Haykel, Hamdi Rafik, Sahal-Bréchot, Sylvie: 2019, *Radiative, collisional atomic and Stark broadening data for Ar XII and Ar XIV ions: Quantum mechanical calculations,* Journal of Quantitative Spectroscopy and Radiative Transfer, **239**, 106675.
4. Aloui, R., Elabidi, H., Sahal-Bréchot, S.: 2020, *Stark broadening and atomic data for Ar XVI,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 154.

5. Elabidi Haykel: 2021, *Systematic trends of Stark broadening parameters with spectroscopic charge Z within the neon isoelectronic sequence from Mg III to Br XXVI,* Journal of Quantitative Spectroscopy and Radiative Transfer, **259**, 107407.
6. Elabidi Haykel: 2020, *Quantum Mechanical Stark Broadening for Na VII and Na VIII lines,* Journal of Umm Al-Qura University for Applied Science, **6**, 25.
7. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.
8. Sahal-Bréchot, S., Elabidi, H.: 2021, *Stark broadening for Br VI and Kr V-VII lines in hot star atmospheres,* Astronomy and Astrophysics, **652**, A47.

365. **Sylvie Sahal-Bréchot, Evgeny Stambulchik, Dimitrijević Milan, Alexiou Spiros, Bin Duan, Véronique Bommier: 2018, Atoms 6, 30 [A291]**.

1. Stambulchik Evgeny, Calisti Annette, Chung Hyun-Kyung Chung, González Manuel Á.: 2019, *Spectral Line Shapes in Plasmas II*, Atoms **7**, 20.
2. Dzierżęga Krzysztof, Zawadzki Witold, Sobczuk Franciszek, Sankhe Mamadou Lamine, Pellerin Stephane, Wartel Maxime, Olchawa Wiesław, Bacławski Adam, Bartecka Agnieszka: 2019, *Experimental and theoretical studies of Stark profiles of Ar I 696.5 nm spectral line in laser-induced plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer, **237**, 106635.
3. Gomez, T. A., Nagayama, T., Fontes, C. J., Kilcrease, D. P., Hansen, S. B., Zammit, M. C., Fursa, D. V., Kadyrov, A. S., Bray, I.: 2020*, Effect of Electron Capture on Spectral Line Broadening in Hot Dense Plasmas*, Physical Review Letters, **124**, 055003.
4. Stambulchik Evgeny, Kroupp Eyal, Maron Yitzhak, Malka Victor: 2020*, On the Stark Effect of the O I 777-nm Triplet in Plasma and Laser Fields*, Atoms, **8**, 84.
5. Sahal-Bréchot Sylvie: 2021, *The Semiclassical Limit of the Gailitis Formula Applied to Electron Impact Broadening of Spectral Lines of Ionized Atoms,* Atoms, **9**, 29.

366. **A**. **Díaz-Soriano, J**.**M**. **Alcaraz-Pelegrina, A**. **Sarsa, M**.**S**. **Dimitrijević, C**. **Yubero: 2018, Journal of Quantitative Spectroscopy and Radiative Transfer, 207, 89-94 [A 292]**.

1. Dellasega, D., Mirani, F., Vavassori, D., Conti, C., Passoni, M.: 2021, *Role of energetic ions in the growth of fcc and ω crystalline phases in Ti films deposited by HiPIMS*, Applied Surface Science, **556**, 149678.

367. **Vladimir A**. **Srećković, Milan S**. **Dimitrijević, Ljubinko M**. **Ignjatović, Nikolai N**. **Bezuglov, Andrey N**. **Klycharev: 2018, Galaxies 6, 72**. **[A 300]**.

1. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

368. Bratislav P. Marinković, Vladimir A. Srećković, Veljko Vujčić, Stefan Ivanović, Nebojša Uskoković, Milutin Nešić, Ljubinko M. Ignjatović, Darko Jevremović, Milan S. Dimitrijević, Nigel J. Mason: 2019, Atoms 7, 11 [A 305].

1. Song Mi-Young,,Yoon Jung-Sik, Cho Hyuck, Karwasz Grzegorz P., Kokouline Viatcheslav, Nakamura Yoshiharu, Tennyson, Jonathan: 2020, "*Recommended*" *cross sections for electron collisions with molecules,* European Physical Journal D **74**, 60.
2. Aleksandra Nina, Milan Radovanović, Luka Č. Popović, Ana Černok, Bratislav P. Marinković, Vladimir A. Srećković, Anđelka Kovačević, Jelena Radović, Vladan Čelebonović, Ivana Milić Žitnik, Zoran Mijić, Nikola Veselinović, Aleksandra Kolarski, Alena Zdravković: 2020, *Activities of Serbian scientis in Europlanet*, Proceedings of the XII Serbian-Bulgarian Astronomical Conference, eds. L. Č. Popović, V. A. Srećković, M. S. Dimitrijević, A. Kovačević, Publ. Astron. Soc. "Rudjer Bošković", No. 20, 107-122.
3. Vukalović Jelena, Maljković Jelena B., Tökési Karoly, Predojević Branko, Marinković Bratislav P.: 2021, *Elastic Electron Scattering from Methane Molecule in the Energy Range from 50–300 eV,* International Journal of Molecular Sciences **22**, 647.

369. Bratislav P. Marinković, Vladimir A. Srećković, Darko Jevremović, Veljko Vujčić, Ljubinko M. Ignjatović, Milan S. Dimitrijević, Stefan Ivanović, Nebojša Uskoković, Milutin Nešić, Nigel J. Mason: 2018, 29th Summer School and International Symposium on the Physics of Ionized Gases, SPIG 2018, Aug, 28 - 31, 2018, Belgrade, Serbia, Contributed papers & abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures, eds. Goran Poparić, Bratislav Obradović, Duško Borka, Milan Rajković, Vinča Institute of Nuclear Sciences, Serbian Academy of Sciences and Arts, Belgrade, 23 [3 257].

1. Jevremović, D., Srećković, V. A., Marinković, B. P., Vujčić, V.: 2020, *Databases for collisional and radiative processes in small molecules needed for spectroscopy use in astrophysics,* Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 44.

370. Ljubinko M. Ignjatović, Vladimir A. Srećković, Milan S. Dimitrijević: 2019, Monthly Notices of the Royal Astronomical Society, 483, 4202 [A 307].

1. Aleksandra Nina, Milan Radovanović, Luka Č. Popović, Ana Černok, Bratislav P. Marinković, Vladimir A. Srećković, Anđelka Kovačević, Jelena Radović, Vladan Čelebonović, Ivana Milić Žitnik, Zoran Mijić, Nikola Veselinović, Aleksandra Kolarski, Alena Zdravković: 2020, *Activities of Serbian scientis in Europlanet*, Proceedings of the XII Serbian-Bulgarian Astronomical Conference, eds. L. Č. Popović, V. A. Srećković, M. S. Dimitrijević, A. Kovačević, Publ. Astron. Soc. "Rudjer Bošković", No. 20, 107-122.

371. **Konstantinos Kalachanis, Athanasios Anastasiou, Ioannis Kostikas, Efstratios Theodossiou, Milan S**. **Dimitrijević: 2019, Euopean Journal for Science and Theology 15(2), 31 [A 308]**.

1. Christianto Victor, Smarandache Florentin: 2019, *On the New Concept Creatio Ex-Rotatione (Early Universe modelling)*, Scientific GOD Journal, **10(2)**, 112.

372. **Milan S**. **Dimitrijević, Vladimir A**. **Srećković, Alaa Abo Zalam, Nikolai N**. **Bezuglov, Andrey N**. **Klyucharev: 2019, Atoms 7, 22 [A 309]**.

1. Chervinskaya Anastasia S., Dorofeev Dmitrii L., Zon Boris A.: 2021, *Redistribution of the Rydberg State Population Induced by Continuous--Spectrum Radiation*, Atoms, **9**, 55.
2. Geppert Philipp, Althön Max, Fichtner Daniel, Ott Herwig: 2021, *Diffusive-like redistribution in state-changing collisions between Rydberg atoms and ground state atoms*, Nature Communications, https://doi.org/10.1038/s41467-021-24146-0.

373. **Rafik Hamdi, Nebil Ben Nessib, Sylvie Sahal-Bréchot, M**. **S**. **Dimitrijević: 2019, Monthly Notices of the Royal Astronomical Society, 488, 2473 [A 310]**.

1. Blagojević, B., Djurović, S., Konjević, N.: 2021, *Stark broadening parameters of Ar II and Ar III lines: Comparison of semiclassical calculations,* Journal of Quantitative Spectroscopy and Radiative Transfer, **276**, 107950.

374. **J**. **Rosato, N**. **Kieu, M**. **Meireni, M**. **Koubiti, Y**. **Marandet, R**. **Stamm, J**. **Kovačević-Dojčinović, M**. **S**. **Dimitrijević, L**. **Č**. **Popović, Z**. **Simić: 2019, Journal of Physics: Conference Series 1289, 012006 [Ђ 43]**.

1. Raji, A., Rosato, J., Stamm, R., Marandet, Y. : 2021, *New analysis of Balmer line shapes in magnetic white dwarf atmospheres,* European Physical Journal D, **75**, 63.

375. **M**. **S**. **Dimitrijević, V**. **A**. **Srećković, Alaa Abo Zalam, K**. **Miculis, D**. **K**. **Efimov, N**. **N**. **Bezuglov, A**. **N**. **Klyucharev: 2020, Contributions of the Astronomical Observatory Skalnaté Pleso, 50, 66 [A 313]**.

1. Žitnik Milić Ivana, Nina, A., Srećković, V. A., Marinković, B. P., Mijić, Z., Šević, D., Budiša, D., Marčeta, D., Kovačević, A., Radović, J., Kolarski, A.: 2021, *Activities of the serbian Europlanet group within Europlanet society*, Publications of Astronomical Observatory of Belgrade **100**, 315.

376. **V**. **A**. **Srećković, M**. **S**. **Dimitrijević, Lj**. **M**. **Ignjatović: 2020, , Contributions of the Astronomical Observatory Skalnaté Pleso, 50, 171 [A 321]**.

1. Aleksandra Nina, Milan Radovanović, Luka Č. Popović, Ana Černok, Bratislav P. Marinković, Vladimir A. Srećković, Anđelka Kovačević, Jelena Radović, Vladan Čelebonović, Ivana Milić Žitnik, Zoran Mijić, Nikola Veselinović, Aleksandra Kolarski, Alena Zdravković: 2020, *Activities of Serbian scientis in Europlanet,* Proceedings of the XII Serbian-Bulgarian Astronomical Conference, eds. L. Č. Popović, V. A.

Srećković, M. S. Dimitrijević, A. Kovačević, Publ. Astron. Soc. "Rudjer Bošković", No. 20, 107-122.

2. Žitnik Milić Ivana, Nina, A., Srećković, V. A., Marinković, B. P., Mijić, Z., Šević, D., Budiša, D., Marčeta, D., Kovačević, A., Radović, J., Kolarski, A.: 2021, *Activities of the serbian Europlanet group within Europlanet society*, Publications of Astronomical Observatory of Belgrade **100**, 315.

377. **Evelyne Roueff, Sylvie Sahal-Bréchot, Milan S. Dimitrijević, Nicolas Moreau, Hervé Abgrall: 2020, Atoms 8 , 36 [A 323]**.

1. Lukusa Mudiayi, J., Maurin, I., Mashimo, T., de Aquino Carvalho, J. C., Bloch, D., Tokunaga, S. K., Darquié, B., Laliotis, A.: 2021, *Linear Probing of Molecules at Micrometric Distances from a Surface with Sub-Doppler Frequency Resolutio,* Physical Review Letters, **127(4)**, 043201.
2. Raji, A., Rosato, J., Stamm, R., Marandet, Y. : 2021, *New analysis of Balmer line shapes in magnetic white dwarf atmospheres,* European Physical Journal D, **75**, 63.

378. **Zlatko Majlinger, Milan S. Dimitrijević, Vladimir A. Srećković: 2020, Monthly Notices of the Royal Astronomical Society, 496, 5584 [A 324]**.

1. Aleksandra Nina, Milan Radovanović, Luka Č. Popović, Ana Černok, Bratislav P. Marinković, Vladimir A. Srećković, Anđelka Kovačević, Jelena Radović, Vladan Čelebonović, Ivana Milić Žitnik, Zoran Mijić, Nikola Veselinović, Aleksandra Kolarski, Alena Zdravković: 2020, *Activities of Serbian scientis in Europlanet,* Proceedings of the XII Serbian-Bulgarian Astronomical Conference, eds. L. Č. Popović, V. A. Srećković, M. S. Dimitrijević, A. Kovačević, Publ. Astron. Soc. "Rudjer Bošković", No. 20, 107-122.
2. Žitnik Milić Ivana, Nina, A., Srećković, V. A., Marinković, B. P., Mijić, Z., Šević, D., Budiša, D., Marčeta, D., Kovačević, A., Radović, J., Kolarski, A.: 2021, *Activities of the serbian Europlanet group within Europlanet society*, Publications of Astronomical Observatory of Belgrade **100**, 315.

379. **Milan S. Dimitrijević: 2020, Data, 5, 73 [A 325]**.

1. Elabidi Haykel: 2021, *Stark broadening of spectral lines for zirconium ions Zr IV − VI in hot white dwarf atmospheres, Monthly Notices of the Royal Astronomical Society,* **503**, 5730.

380. **Damien Albert, Bobby K. Antony, Yaye Awa Ba, Yuri L. Babikov, Philippe Bollard, Vincent Boudon, Franck Delahaye, Giulio Del Zanna, Milan S. Dimitrijević, Brian J. Drouin, Marie-Lise Dubernet, Felix Duensing, Masahiko Emoto, Christian P. Endres, Alexandr Z. Fazliev, Jean-Michel Glorian, Iouli E. Gordon, Pierre Gratier, Christian Hill, Darko Jevremović, Christine Joblin, Duck-Hee Kwon, Roman V. Kochanov, Erumathadathil Krishnakumar, Giuseppe Leto, Petr A. Loboda, Anastasiya A. Lukashevskaya, Oleg M. Lyulin, Bratislav P. Marinković, Andrew Markwick,**

Thomas Marquart, Nigel J. Mason, Claudio Mendoza, Tom J. Millar, Nicolas Moreau, Serguei V. Morozov, Thomas Möller, Holger S. P. Müller, Giacomo Mulas, Izumi Murakami, Yury Pakhomov, Patrick Palmeri, Julien Penguen, Valery I. Perevalov, Nikolai Piskunov, Johannes Postler, Alexei I. Privezentsev, Pascal Quinet, Yuri Ralchenko, Yong-Joo Rhee, Cyril Richard, Guy Rixon, Laurence S. Rothman, Evelyne Roueff, Tatiana Ryabchikova, Sylvie Sahal-Bréchot, Paul Scheier, Peter Schilke, Stephan Schlemmer, Ken W. Smith, Bernard Schmitt, Igor Yu. Skobelev, Vladimir A. Srecković, Eric Stempels, Serguey A. Tashkun, Jonathan Tennyson, Vladimir G. Tyuterev, Charlotte Vastel, Veljko Vujčić, Valentine Wakelam, Nicholas A. Walton, Claude Zeippen, Carlo Maria Zwölf: 2020, Atoms, 8, 76 [A 328].

1. Akhlestin Alexey, Lavrentiev Nikolai, Kozodoev Alexey, Kozodoeva Elena, Privezentsev Alexey, Fazliev Alexander: 2020, *Improvement of the Data Quality Assessment Procedure in Large Collections of Spectral Data,* Conference: Data Analytics and Management in Data Intensive Domains (DAMDID/RCDL 2020), Voronezh, Russia, CEUR Workshop Proceedings, **2790**, 263.
2. Murakami Izumi, Kato Masatoshi, Emoto Masahiko, Kato Daiji, Sakaue Hiroyuki A., Kawate Tomoko: 2020, *NIFS Atomic and Molecular Numerical Database for Collision Processes,* Atoms, **8**, 71.
3. Starikova Evgeniya, Barbe Alain, De Backer Marie-Renée, Tyuterev Vladimir: 2020, *Analysis of thirteen absorption bands of $^{16}O^{18}O^{18}O$ ozone isotopomer in the 950-3500 cm-1 infrared spectral range,* Journal of Quantitative Spectroscopy and Radiative Transfer **257**, 07364.
4. Barbe Alain, Mikhailenko Semen, Starikova Evgeniya, Tyuterev Vladimir: 2021, Infrared spectra of $^{16}O_3$ in the 900 - 5600 cm-1 range revisited: Empirical corrections to the S&MPO and HITRAN2020 line lists, Journal of Quantitative Spectroscopy and Radiative Transfer, **276**, 107936.
5. Kalugina Yulia N., Egorov Oleg, van der Avoird, Ad: 2021, *Ab initio study of the O_3-N_2 complex: Potential energy surface and rovibrational state,* Journal of Chemical Physics, **155(5)**, 054308.
6. Mendoza Claudio, Bautista Manuel A., Deprince Jérôme, García Javier A., Gatuzz Efraín, Gorczyca Thomas W., Kallman Timothy R., Palmeri Patrick, Quinet Pascal, Witthoeft Michael C.: 2021, *The XSTAR Atomic Database,* Atoms, **9**, 12.
7. Rey, Michaël, Chizhmakova, Iana S., Nikitin, Andrei V., Tyuterev, Vladimir G.: 2021, *Towards a complete elucidation of the ro-vibrational band structure in the SF6 infrared spectrum from full quantum-mechanical* Physical Chemistry Chemical Physics, **23(21)**, 12115-12126.
8. Richard, C., Boudon, V., Rizopoulos, A., Vander Auwera, J., Kwabia Tchana, F.: 2021, *Line positions and intensities for the v2/v4 bands of 5 isotopologues of germane near 11.5 μm,* Journal of Quantitative Spectroscopy and Radiative Transfer, **261**, 107476.

9. Tyuterev Vladimir, Barbe Alain, Mikhailenko Semen, Starikova Evgeniya, Babikov Yurii: 2021, *Towards the intensity consistency of the ozone bands in the infrared range: Ab initio corrections to the S&MPO database,* ournal of Quantitative Spectroscopy and Radiative Transfer, **272**, 107801.
10. van den Bekerom, D. C. M., Pannier, E.: 2021, *A discrete integral transform for rapid spectral synthesis,* Journal of Quantitative Spectroscopy and Radiative Transfer, **260**, 107474.
11. Васильченко, С. С., Kassi, S., Mondelain, D., Campargue, A.: 2021, *Лазерная спектроскопия высокого разрешения молекулы озона вблизи порога диссоциации*, Физика атмосферы и океана, **34(5)**, 315.
12. Vasilchenko, S.S., Kassi, S., Mondelain, D., Campargue, A.:2021, High-Resolution Laser Spectroscopy of the Ozone Molecule at the Dissociation Threshold, Atmospheric and Oceanic Optics, **34(5)**, 373.
13. Žitnik Milić Ivana, Nina, A., Srećković, V. A., Marinković, B. P., Mijić, Z., Šević, D., Budiša, D., Marčeta, D., Kovačević, A., Radović, J., Kolarski, A.: 2021, *Activities of the serbian Europlanet group within Europlanet societ*y, Publications of Astronomical Observatory of Belgrade **100**, 315.
14. Barbe Alain, Mikhailenko Semen, Starikova Evgeniya, Tyuterev Vladimir: 2022, *High Resolution Infrared Spectroscopy in Support of Ozone Atmospheric Monitoring and Validation of the Potential Energy Function*, Molecules, **27**, 911.
15. Gordon, I. E., Rothman, L. S., Hargreaves, R. J., Hashemi, R., Karlovets, E. V., Skinner, F. M., Conway, E. K., Hill, C., Kochanov, R. V., Tan, Y., Wcisło, P., Finenko, A. A., Nelson, K., Bernath, P. F., Birk, M., Boudon, V., Campargue, A., Chance, K. V., Coustenis, A., Drouin, B. J., Flaud, J. M., Gamache, R. R., Hodges, J. T., Jacquemart, D., Mawer, E. J., Nikitin, A. V., Perevalov, V. I., Rotger, M., Tennyson, J., Toon, G. C., Tran, H., Tyuterev, V. G., Adkins, E. M., Baker, A., Barbe, A., Canè, E., Cszár, A. G., Dudaryonok, A., Egorov, O., Fleisher, A. J., Fleurbaey, H., Foltynowicz, A., Furtenbacher, T., Harrison, J. J., Hartmann, J. -M., Horneman, V. -M., Huang, X., Karman, T., Karns, J., Kassi, S., Kleiner, I., Kofman, V., Kwabia-Tchana, F., Lavrentieva, N. N., Lee, T. J., Long, D. A., Lukashevskaya, A. A., Lyulin, O. M., Makhnev, V. Yu., Matt, W., Massie, S. T., Melosso, M., Mikhailenko, S. N., Mondelain, D., Müller, H. S. P., Naumenko, O. V., Perrin, A., Polyansky, O. L., Raddaoui, E., Raston, P. L., Reed, Z. D., Rey, M., Richard, C., Tóbiás, R., Sadiek, I., Schwenke, D. W., Starikova, E., Sung, K., Tamassia, F., Tashkun, S. A., Vander Auwera, J., Vasilenko, I. A., Vigasin, A. A., Villanueva, G. L., Vispoel, B., Wagner, G., Yachmenev, A., Yurchenko, S. N.: 2022, *The HITRAN2020 molecular spectroscopic database*, Journal of Quantitative Spectroscopy and Radiative Transfer, **277**, 107949.
16. Vasilchenko Semen, Barbe Alain, Starikova Evgeniya, Kassi Samir, Mon-

delain Didier, Campargue Alain, Tyuterev Vladimir: 2022, *Cavity-ring-down spectroscopy of the heavy ozone isotopologue $^{18}O_3$: Analysis of a high energy band near 95% of the dissociation threshold,* Journal of Quantitative Spectroscopy and Radiative Transfer, **278**, 108017.

381. **Milan S**. **Dimitrijević, Vladimir A**. **Srećković, Ljubinko M**. **Ignjatović, Bratislav P**. **Marinković: 2021, New Astronomy, 84, 101529 [A 329]**.

1. Aleksandra Nina, Milan Radovanović, Luka Č. Popović, Ana Černok, Bratislav P. Marinković, Vladimir A. Srećković, Anđelka Kovačević, Jelena Radović, Vladan Čelebonović, Ivana Milić Žitnik, Zoran Mijić, Nikola Veselinović, Aleksandra Kolarski, Alena Zdravković: 2020, *Activities of serbian scientists in Europlanet*, Proceedings of the XII Serbian-Bulgarian Astronomical Conference, eds. L. Č. Popović, V. A. Srećković, M. S. Dimitrijević, A. Kovačević, Publ. Astron. Soc. "Rudjer Bošković", No. 20, 107-122.
2. Žitnik Milić Ivana, Nina, A., Srećković, V. A., Marinković, B. P., Mijić, Z., Šević, D., Budiša, D., Marčeta, D., Kovačević, A., Radović, J., Kolarski, A.: 2021, *Activities of the serbian Europlanet group within Europlanet society*, Publications of Astronomical Observatory of Belgrade **100**, 315.

382. **Antonio Ortiz-Mora, Antonio Díaz-Soriano, Antonio Sarsa, Milan S**. **Dimitrijević, Cristina Yubero: 2020, Spectrochimica Acta Part B: Atomic Spectroscopy 163, 105728 [A 332]**.

1. Jun Sup Lim, Young June Hong, Bhagirath Ghimire, Jinsung Choi, Sohail Mumtaz, Eun Ha Choi: 2021, *Measurement of electron density in transient spark discharge by simple interferometry*, Results in Physics **20**, 103693.

383. **E**. **A**. **Viktorov, M**. **S**. **Dimitrijević, V**. **A**. **Srećković, N**. **N**. **Bezuglov, K**. **Miculis, A**. **Pastor, P**. **Yu**. **Serdobintsev: 2021, European Physical Journal D, 75, 13**. **[A 334]**.

1. Viktorov, E. A., Pastor, A. A., Serdobintsev, P. Yu., Miculis, K., Bezuglov, N. N.: 2021, *Photoionization of polarized doublet states of Xenon atom*, Journal of Physics: Conference Series **2086**, 012174.