

A. НАУЧНИ РАДОВИ У МЕЂУНАРОДНИМ ЧАСОПИСИМА

170. V. Milosavljević, M. S. Dimitrijević, S. Djeniže: MEASURED AND CALCULATED STARK BROADENING PARAMETERS FOR SEVERAL Ar I SPECTRAL LINES, *High Temperature Material Processes* **7**, (2003), 525-533.
171. M. S. Dimitrijević, M. Dačić, Z. Cvetković, Z. Simić: STARK BROADENING OF Ga I SPECTRAL LINES, *Astronomy and Astrophysics* **425**, (2004), 1147-1152.
172. A. Srećković, S. Bukvić, S. Djeniže, M. S. Dimitrijević: STARK BROADENING PARAMETERS IN SINGLY AND DOUBLY IONIZED FLUORINE SPECTRA, *Astronomy and Astrophysics* **420**, (2004), 769-774.
173. V. Milosavljević, S. Djeniže, M. S. Dimitrijević: ELECTRON AND ION CONTRIBUTIONS TO THE Ne I SPECTRAL LINE BROADENING, *Journal of Physics B: Atomic, Molecular and Optical Physics* **37**, (2004), 2713-2724.
174. L. Csillag, M. S. Dimitrijević: ON THE STARK BROADENING OF THE 537.8 nm AND 441.6 nm Cd⁺ LINES EXCITED IN A HOLLOW CATHODE LASER DISCHARGE, *Applied Physics B: Lasers and Optics* **78**, (2004), 221-223.
175. N. Ben Nessib, M. S. Dimitrijević, S. Sahal-Bréchet: STARK BROADENING OF THE FOUR TIME IONIZED SILICON SPECTRAL LINES, *Astronomy and Astrophysics* **423**, (2004), 397-400.
176. M. S. Dimitrijević, T. Ryabchikova, L. Č. Popović, D. Shulyak, S. Kan: ON THE INFLUENCE OF STARK BROADENING ON Cr I LINES IN STELLAR ATMOSPHERES, *Astronomy and Astrophysics* **435**, (2005), 1191-1198
177. Z. Simić, M. S. Dimitrijević, L. Č. Popović, M. Dačić: STARK BROADENING OF F III LINES IN LABORATORY AND STELLAR PLASMA, *Ж. Прикл. Спектроск.* **72**, (2005), 412-415.
178. W. F. Mahmoudi, N. Ben Nessib, M. S. Dimitrijević: MODIFIED SEMIEMPIRICAL ELECTRON WIDTH CALCULATIONS OF SINGLY-IONIZED OXYGEN SPECTRAL LINES, *Astronomy and Astrophysics* **434**, (2005), 773-778.
179. A. A. Mihajlov, Lj. Ignjatović, M. S. Dimitrijević: PROCESSES OF (n - n')-MIXING IN COLLISIONS OF RYDBERG H*(n) ATOMS WITH H(1s) IN THE SOLAR ATMOSPHERE *Astronomy and Astrophysics* **437**, (2005), 1023-1027.
180. Z. Simić, M. S. Dimitrijević, L. Č. Popović, M. Dačić: STARK BROADENING OF F III LINES IN LABORATORY AND STELLAR PLASMA, *Journal of Applied Spectroscopy* **72**, (2005), 443-446.
181. Z. Simić, M. S. Dimitrijević, N. Milovanović, S. Sahal-Bréchet: STARK BROADENING OF Cd I SPECTRAL LINES, *Astronomy and Astrophysics* **441**, (2005), 391-393.

182. E. Danezis, E. Theodossiou, I. Gonidakis, M. S. Dimitrijević: “UN-TANGIBLE WORLD“ AND MODERN PHYSICS *European Journal for Science and Theology* **1(4)** (2005), 29-35.
183. M. S. Dimitrijević, L. Csillag: SPECTRAL LINE BROADENING INFLUENCE ON THE MODE STRUCTURE OF THE He – Kr and He – Ar GAS LASERS, *Журнал Прикладной Спектроскопии* **73**, (2006), 405-407.
184. H. Elabidi, N. Ben Nessib, M. S. Dimitrijević: ELECTRON IMPACT BROADENING OF MULTICHARGED ION LINES OF ASTROPHYSICAL INTEREST: Ne VII, Ne VIII, AND Si XI, *New Astronomy* **12** (2006), 64-70.
185. Z. Simić, M. S. Dimitrijević, L. Č. Popović, M. D. Dačić: STARK BROADENING PARAMETERS FOR Cu III, Zn III AND Se III LINES IN LABORATORY AND STELLAR PLASMA, *New Astronomy* **12** (2006), 187-191.
186. E. Th. Theodossiou, V. N. Manimanis, M. S. Dimitrijević, E. Danezis: NICEPHOROS GREGORAS: THE GREATEST BYZANTINE ASTRONOMER, *Astronomical and Astrophysical Transactions* **25** (2006), 105-118.
187. M. S. Dimitrijević, L. Csillag: SPECTRAL LINE BROADENING INFLUENCE ON THE MODE STRUCTURE OF THE He – Kr and He – Ar GAS LASERS, *Journal of Applied Spectroscopy* **73** (2006), 458-461.
188. M. S. Dimitrijević, L. Č. Popović, J. Kovačević, M. Dačić, D. Ilić: THE FLUX RATIO OF THE [OIII] $\lambda\lambda 4959, 5007$ LINES IN AGN: COMPARISON WITH THEORETICAL CALCULATIONS, *Monthly Notices of the Royal Astronomical Society*, **374** (2007), 1181-1184.
189. C. Yubero, M. S. Dimitrijević, M. C. Garcia, M. D. Calzada: USING THE VAN DER WAALS BROADENING OF THE SPECTRAL ATOMIC LINES TO MEASURE THE GAS TEMPERATURE OF AN ARGON MICROWAVE PLASMA AT ATMOSPHERIC PRESSURE, *Spectrochimica Acta B* **62** (2007), 169-176.
190. R. Hamdi, N. Ben Nessib, M. S. Dimitrijević, S. Sahal-Bréchet: STARK BROADENING OF THE SPECTRAL LINES OF Ne V, *Astrophysical Journal Supplement Series*, **170** (2007), 243-250.
191. M. S. Dimitrijević, M. Christova, S. Sahal-Bréchet: STARK BROADENING OF VISIBLE Ar I SPECTRAL LINES, *Physica Scripta*, **75** (2007), 809-819.
192. E. Lyratzi, E. Danezis, L. Č. Popović, M. S. Dimitrijević, D. Nikolaidis, A. Antoniou: THE COMPLEX STRUCTURE OF THE Mg II $\lambda\lambda 2795.523, 2802.698$ A REGIONS OF 64 Be STARS, *Publications of the Astronomical Society of Japan*, **59** (2007), 357-371 .
193. A. A. Mihajlov, Lj. M. Ignjatović, N. M. Sakan, M. S. Dimitrijević: THE INFLUENCE OF H_2^+ - PHOTO DISSOCIATION AND $(H + H^+)$ – RADIATIVE COLLISIONS ON THE SOLAR ATMOSPHERE OPACITY IN UV AND VUV REGIONS, *Astronomy and Astrophysics* **469**, (2007), 749-754.

194. M. S. Dimitrijević, T. Ryabchikova, Z. Simić, L. Č. Popović, M. Dačić: THE INFLUENCE OF STARK BROADENING ON Cr II SPECTRAL LINE SHAPES IN STELLAR ATMOSPHERES, *Astronomy and Astrophysics* **469**, (2007), 681-686.
195. E. Th. Theodossiou, M. S. Dimitrijević, V. N. Manimanis, Th. Grammenos: 2007, HYDOR FROM ANCIENT GREEK COSMOGONIES TO MODERN ASTROPHYSICS, *Transdisciplinarity in Science and Religion* **1** (2007), 137-152.
196. A. A. Mihajlov, D. Jevremović, P. Hauschildt, M. S. Dimitrijević, Lj. M. Ignjatović, F. Alard: INFLUENCE OF CHEMI-IONIZATION AND CHEMI-RECOMBINATION PROCESSES ON HYDROGEN LINE SHAPES IN M DWARFS, *Astronomy and Astrophysics* **471**, (2007), 671-673.
197. E. Danezis, D. Nikolaidis, E. Lyratzi, L. Č. Popović, M. S. Dimitrijević, A. Antoniou, E. Theodossiou: A NEW MODEL FOR THE STRUCTURE OF THE DACs AND SACs REGIONS IN THE Oe AND Be STELLAR ATMOSPHERES, *Publications of the Astronomical Society of Japan* **59**, (2007), 827-834.
198. A. N. Klyucharev, N. N. Bezuglov, A. A. Matveev, A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević: RATE COEFFICIENTS FOR THE CHEMI-IONIZATION PROCESSES IN SODIUM - AND OTHER ALKALI-METAL GEOCOSMICAL PLASMAS, *New Astronomy Review*, **51** (2007), 547-562.
199. L. Č. Popović, M. S. Dimitrijević, Z. Simić, M. Dačić, A. Kovačević, S. Sahal-Bréchet: STARK BROADENING AND HFS OF Mn II, *New Astronomy*, **13** (2008), 85-92.
200. M. S. Dimitrijević, E. Th. Theodossiou, P. Z. Mantarakis: MILUTIN MILANKOVIĆ AND THE REFORM OF THE JULIAN CALENDAR IN 1923, *Journal of Astronomical History and Heritage* **11** (2008), 50-54.
201. R. Hamdi, N. Ben Nessib, N. Milovanović, L. Č. Popović, M. S. Dimitrijević, S. Sahal-Bréchet, ATOMIC DATA AND ELECTRON-IMPACT BROADENING EFFECT IN DO WHITE DWARF ATMOSPHERES: Si VI, *Monthly Notices of the Royal Astronomical Society*, **387** (2008), 871-882.
202. B. Zmerli, N. Ben Nessib, M. S. Dimitrijević, TEMPERATURE DEPENDENCE OF ATOMIC SPECTRAL LINE WIDTHS IN A PLASMA, *European Journal of Physics D* **48** (2008), 389-395.
203. J. Muñoz, M. S. Dimitrijević, C. Yubero, M. D. Calzada: USING THE VAN DER WAALS BROADENING OF SPECTRAL ATOMIC LINES TO MEASURE THE GAS TEMPERATURE OF AN ARGON-HELIUM MICROWAVE PLASMA AT ATMOSPHERIC PRESSURE, *Spectrochimica Acta B* **64** (2009), 167-172.
204. A. Antoniou, E. Danezis, E. Lyratzi, L. Č. Popović, M. S. Dimitrijević, E. Theodossiou, D. Stathopoulos: A STUDY OF THE ATMOSPHERIC STRUCTURE OF AX Mon (HD 45910), *Communications in Asteroseismology* **159** (2009), 119-120.

205. Lj. M. Ignjatović, A. A. Mihajlov, N. M. Sakan, M. S. Dimitrijević, A. Metropoulos: THE TOTAL AND RELATIVE CONTRIBUTION OF THE RELEVANT ABSORPTION PROCESSES TO THE OPACITY OF DB WHITE DWARF ATMOSPHERES IN THE UV AND VUV REGIONS, *Monthly Notices of the Royal Astronomical Society*, **396** (2009), 2201-2210.
206. 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-Bréchet, K. Tsvetkova, Z. Simić, M. Malović: THE PROJECT OF SERBIAN VIRTUAL OBSERVATORY AND DATA FOR STELLAR ATMOSPHERE MODELING, *New Astronomy Review*, **53** (2009), 222-226.
207. E. Lyratzis, L. Č. Popović, E. Danezis, M. S. Dimitrijević, A. Antoniou: KINEMATICS OF THE BROAD ABSORPTION LINE REGION IN QSOS: ROTATION AND RANDOM MOTION, *New Astronomy Review*, **53** (2009), 179-185.
208. E. Danezis, E. Lyratzis, L. Č. Popović, M. S. Dimitrijević, A. Antoniou: INTERPRETING THE COMPLEX LINE PROFILES IN THE STELLAR SPECTRA, *New Astronomy Review*, **53** (2009), 214-221.
209. Z. Simić, M.S. Dimitrijević, A. Kovačević: STARK BROADENING OF SPECTRAL LINES IN CHEMICALLY PECULIAR STARS: TE I LINES AND RECENT CALCULATIONS FOR TRACE ELEMENTS, *New Astronomy Review*, **53** (2009), 246-251.
210. E. Th. Theodossiou, V. N. Manimanis, E. Danezis, M. S. Dimitrijević: THE COSMOLOGY OF THE Gnostics AND THE ORTHODOX CHURCH, *Transdisciplinarity in Science and Religion* **5** (2009), 47-52.
211. M. S. Dimitrijević, E. Th. Theodossiou: THE ORTHODOX CHURCH AND ASTRONOMY IN COMMON FIGHT AGAINST ASTROLOGICAL SUPERSTITION, *Transdisciplinarity in Science and Religion* **5** (2009), 87-93.
212. R. Qindeel, M. S. Dimitrijević, N. M. Shaikh, N. Bidin, Y. M. Daud: SPECTROSCOPIC ESTIMATION OF ELECTRON TEMPERATURE AND DENSITY OF ZINC PLASMA OPEN AIR INDUCED BY Nd:YAG LASER, *European Physical Journal: Applied Physics*, **50** (2010), 30701-p1-p7.
213. J. Kovačević, L. Č. Popović, M. S. Dimitrijević: ANALYSIS OF OPTICAL Fe II EMISSION IN A SAMPLE OF ACTIVE GALACTIC NUCLEUS SPECTRA, *Astrophysical Journal Supplement Series*, **189** (2010), 15-36.
214. V. A. Srećković, Lj. M. Ignjatović, A. A. Mihajlov, M. S. Dimitrijević: ELECTRICAL CONDUCTIVITY OF PLASMAS OF DB WHITE DWARF ATMOSPHERES, *Monthly Notices of the Royal Astronomical Society*, **406** (2010), 590-596.
215. 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-Bréchet, B. Schmitt, S. Schlemmer, J. Tennyson, V. G. Tyuterev, N. A. Walton, V. Wakelam, C. J. Zeippen: VIRTUAL ATOMIC AND MOLECULAR DATA CENTRE, *Journal of Quantitative Spectroscopy and Radiative Transfer*, **111** (2010), 2151-2159.
216. E. Theodossiou, V. Manimanis, M. S. Dimitrijević: THE INCONVENIENT RELATION BETWEEN RELIGION AND SCIENCE: THE PREVALENCE OF THE HELIOCENTRIC THEORY, *European Journal for Science and Theology* **6** (3) (2010), 47-56.
217. B. Zmerli, N. Ben Nessib, M. S. Dimitrijević, S. Sahal-Bréchet: STARK BROADENING CALCULATIONS OF NEUTRAL COPPER SPECTRAL LINES AND TEMPERATURE DEPENDENCE, *Physica Scripta* **82**, (2010), 055301 (9pp).
218. E. Theodossiou, V. Manimanis, M. S. Dimitrijević: THE CONTRIBUTION OF THE CHURCH IN BYZANTIUM TO THE NATURAL SCIENCES: BYZANTINE ASTRONOMERS AND SCIENTISTS, *European Journal for Science and Theology* **6** (4) (2010), 57-69.
219. A. A. Mihajlov, Lj. M. Ignjatović, V. A. Srećković, M. S. Dimitrijević: CHEMI-IONIZATION IN SOLAR PHOTOSPHERE: INFLUENCE ON THE HYDROGEN ATOM EXCITED STATES POPULATION, *Astrophysical Journal Supplement Series*, **193** (2011), 2(1-7).
220. M. S. Dimitrijević: 2011, PROBLEMS OF CALENDAR REFORM AND EASTER DATE DETERMINATION AND A PROPOSITION TO THE SERBIAN ORTHODOX CHURCH, MADE BY DJORDJE STANOJEVIĆ, *Transdisciplinary Studies* **1** (2011), 147-156.
221. E. Theodossiou, V. Manimanis, M. S. Dimitrijević: THE CONTRIBUTION OF BIZANTINE PRIESTS IN ASTRONOMY AND COSMOLOGY. I. THE CHURCH FATHERS: THREE BISHOPS ST. BASIL THE GREAT, ST. GREGORY OF NAZIANZUS AND ST. JOHN CHRYSOSTOM, *European Journal for Science and Theology* **7** (2) (2011), 33-47.
222. E. Th. Theodossiou, V. N. Manimanis, P. Z. Mantarakis M. S. Dimitrijević: 2011, ASTRONOMY AND CONSTELLATIONS IN ILIAD AND ODYSSEY, *Journal of Astronomical History and Heritage* **14**(1) (2011), 22-30.
223. E. Theodossiou, P. Mantarakis, M. S. Dimitrijević, V. N. Manimanis, E. Dannezi: FROM THE INFINITY (APEIRON) OF ANAXIMANDER IN ANCIENT GREECE TO THE THEORY OF INFINITE UNIVERSES IN MODERN COSMOLOGY, *Astronomical and Astrophysical Transactions* **27** (2010/2011), 162-176 (153-167).
224. E. Theodossiou, V. Manimanis, M. S. Dimitrijević: THE CONTRIBUTION OF BIZANTINE PRIESTS IN ASTRONOMY AND COSMOLOGY. II. GREAT CHURCH SCHOLARS IN THE EARLY BYZANTINE EMPIRE, *European Journal for Science and Theology* **7** (4) (2011), 25-45.
225. H. Elabidi, S. Sahal-Bréchet, M. S. Dimitrijević, N. Ben Nessib: QUANTUM STARK BROADENING DATA FOR THE C IV, N V, O VI, F VII AND

- NE VIII RESONANCE DOUBLETS, *Monthly Notices of the Royal Astronomical Society* **417** (2011), 2624-2630.
226. E. Th. Theodossiou, V. N. Manimanis, M. S. Dimitrijević, P. Z. Mantarakis: 2011, SIRIUS IN ANCIENT GREEK AND ROMAN LITERATURE: FROM THE ORPHIC ARGONAUTICS TO THE ASTRONOMICAL TABLES OF GEORGIOS CHRYSOCOCCA, *Journal of Astronomical History and Heritage* **14(3)** (2011), 180-189.
227. E. Theodossiou, V. Manimanis, M. S. Dimitrijević: ASTROLOGY IN THE EARLY BYZANTINE EMPIRE AND THE ANTI-ASTROLOGY STANCE OF CHURCH FATHERS, *European Journal for Science and Theology* **8 (2)** (2012), 7-24.
228. V. Milosavljević, Z. Simić, Z., S. Daniels, M. S. Dimitrijević: STARK SHIFTS AND TRANSITION PROBABILITIES WITHIN THE Kr I SPECTRUM, *Monthly Notices of the Royal Astronomical Society* **422** (2012), 610-618.
229. N. Larbi-Terzi, S. Sahal-Bréchet, N. Ben Nessib, M. S. Dimitrijević: STARK-BROADENING CALCULATIONS OF SINGLY IONIZED CARBON SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society* **423** (2012), 766-773 (Erratum, **431**, 2960, 2013).
230. V. Manimanis, E. Theodossiou, M. S. Dimitrijević: THE GEOGRAPHERS OF EARLY BYZANTINE PERIOD, *European Journal for Science and Theology* **8 (4)** (2012), 23-40.
231. Pierre Le Sidaner, Tatiana Ryabchikova, and the VAMDC Collaboration: VAMDC: THE INFRASTRUCTURE, *Baltic Astronomy* **21** (2012), 349-355.
232. E. Theodossiou, P. Mantarakis, M. S. Dimitrijević: THE ERA OF ARIES AND KRIOPHOROS STATUES, *Astronomical and Astrophysical Transactions* **27** (2012), 665-672.
233. V. Manimanis, E. Theodossiou, M. S. Dimitrijević: THE CONTRIBUTION OF BYZANTINE MEN OF THE CHURCH IN SCIENCE; COSMAS INDICOPLEUSTES (6th CENTURY), *European Journal for Science and Theology* **9 (2)** (2013), 19-29.
234. A. A. Mihajlov, Lj. M. Ignjatović, V. A. Srećković, M. S. Dimitrijević, A. Metropoulos: THE NON-SYMMETRIC ION-ATOM RADIATIVE PROCESSES IN THE STELLAR ATMOSPHERES, *Monthly Notices of the Royal Astronomical Society* **431** (2013), 589-599.
235. Rafik Hamdi, Nabil Ben Nessib, Milan S. Dimitrijević, Sylvie Sahal-Bréchet: STARK BROADENING OF Pb IV SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society* **431** (2013), 1039-1047.
236. V. A. Srećković, A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević: EXCITATION AND DEEXCITATION PROCESSES IN ATOM-RYDBERG ATOM COLLISIONS IN HELIUM-RICH WHITE DWARF ATMOSPHERES (RESEARCH NOTE), *Astronomy and Astrophysics* **552**, (2013), A33(1-3).
237. Z. Simić, M. S. Dimitrijević, S. Sahal-Bréchet.: STARK BROADENING OF RESONANT Cr II $3d^5-3d^4p$ SPECTRAL LINES IN HOT STELLAR AT-

- MOSPHERES, *Monthly Notices of the Royal Astronomical Society*, **432**, (2013), 2247-2251.
238. V. A. Srećković, A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević: THE INFLUENCE OF THE RADIATIVE NON-SYMMETRIC ION-ATOM COLLISIONS ON THE STELLAR ATMOSPHERES IN VUV REGION, *Astronomical and Astrophysical Transactions* **28** (2013), 73-78.
239. Lj. M. Ignjatović, A. A. Mihajlov, V. A. Srećković, M. S. Dimitrijević: ABSORPTION NON-SYMMETRIC ION-ATOM PROCESSES IN HELIUM-RICH WHITE DWARF ATMOSPHERES, *Monthly Notices of the Royal Astronomical Society* **441** (2014), 1504-1512.
240. Lj. M. Ignjatović, A. A. Mihajlov, V. A. Srećković, M. S. Dimitrijević: THE ION-ATOM ABSORPTION PROCESSES AS ONE OF THE FACTORS OF THE INFLUENCE ON THE SUNSPOT OPACITY, *Monthly Notices of the Royal Astronomical Society* **439** (2014), 2342-2350.
241. Spiros Alexiou, Milan S. Dimitrijević, Sylvie Sahal-Bréchet, Evgeny Stambulchik, Bin Duan, Diego González-Herrero, Marco A. Gigosos: THE SECOND WORKSHOP ON LINESHAPE CODE COMPARISON: ISOLATED LINES, *Atoms* **2** (2014), 157-177.
242. Sylvie Sahal-Bréchet, Milan S. Dimitrijević, Nabil Ben Nessib: WIDTHS AND SHIFTS OF ISOLATED LINES OF NEUTRAL AND IONIZED ATOMS PERTURBED BY COLLISIONS WITH ELECTRONS AND IONS: AN OUTLINE OF THE SEMICLASSICAL PERTURBATION (SCP) METHOD AND OF THE APPROXIMATIONS USED FOR THE CALCULATIONS, *Atoms* **2** (2014), 225-252.
243. Sylvie Sahal-Bréchet, Milan S. Dimitrijević, Nicolas Moreau, Nabil Ben Nessib: THE STARK-B DATABASE AS A RESOURCE FOR “STARK” WIDTHS AND SHIFTS DATA: STATE OF ADVANCEMENT AND PROGRAM OF DEVELOPMENT, *Advances in Space Research* **54** (2014), 1148-1151.
244. Milan S. Dimitrijević, Sylvie Sahal-Bréchet: ON THE APPLICATION OF STARK BROADENING DATA DETERMINED WITH A SEMICLASSICAL PERTURBATION APPROACH, *Atoms* **2** (2014), 357-377.
245. Haykel Elabidi, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: QUANTUM STARK BROADENING OF Ar XV LINES. STRONG COLLISION AND QUADRUPOLAR POTENTIAL CONTRIBUTIONS, *Advances in Space Research* **54** (2014), 1184-1189.
246. Nabil Ben Nessib, Norah Alonizan, Rabia Qindeel, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: THE OIV 1407.3 Å / 1401.1 Å EMISSION-LINE RATIO IN A PLASMA, *Advances in Space Research* **54** (2014), 1190-1194.
247. Milan S. Dimitrijević, Magdalena Christova, Zoran Simić, Andjelka Kovačević, Sylvie Sahal-Bréchet: STARK BROADENING OF B IV LINES FOR ASTROPHYSICAL AND LABORATORY PLASMA RESEARCH, *Advances in Space Research* **54** (2014), 1195-1202.

248. Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: STARK WIDTHS OF Ar III SPECTRAL LINES IN THE ATMOSPHERES OF SUBDWARF B STARS, *Advances in Space Research* **54** (2014), 1223-1230.
249. Zoran Simić, Milan S. Dimitrijević, Luka Č. Popović: STARK BROADENING DATA FOR SPECTRAL LINES OF RARE-EARTH ELEMENTS: Nb III, *Advances in Space Research* **54** (2014), 1231-1234.
250. V. A. Srećković, A. A. Mihajlov, Lj. M. Ignjatović, Milan S. Dimitrijević: ION-ATOM RADIATIVE PROCESSES IN THE SOLAR ATMOSPHERE: QUIET SUN AND SUNSPOTS, *Advances in Space Research* **54** (2014), 1264-1271.
251. A. Antoniou, E. Danezis, E. Lyratzi, L. Č. Popović, D. Stathopoulos, M. S. Dimitrijević: A STATISTICAL STUDY OF C IV REGIONS IN 20 OESTARS, *Advances in Space Research* **54** (2014), 1308-1318.
252. C. Yubero, M. C. García, M. S. Dimitrijevic, A. Sola, A. Gamero: MEASURING THE ELECTRON DENSITY IN PLASMAS FROM THE DIFFERENCE OF LORENTZIAN PART OF THE WIDTHS OF TWO BALMER SERIES HYDROGEN LINES, *Spectrochimica Acta B* **107** (2015), 164-169.
253. Sylvie Sahal-Bréchet, Milan S. Dimitrijević, Nicolas Moreau, Nabil Ben Nessib: THE STARK-B DATABASE VAMDC NODE: A REPOSITORY FOR SPECTRAL LINE BROADENING AND SHIFTS DUE TO COLLISIONS WITH CHARGED PARTICLES, *Physica Scripta* **50** (2015), 054008 (1-6).
254. Milan S. Dimitrijević, Zoran Simić, Andjelka Kovačević, Aleksandar Valjarević, Sylvie Sahal-Bréchet: STARK BROADENING OF Xe VIII SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **454**, (2015), 1736-1741.
255. A. A. Mihajlov, V. A. Srećković, A. N. Klyucharev, M. S. Dimitrijević, N. M. Sakan: NON-ELASTIC PROCESSES IN ATOM - RYDBERG ATOM COLLISIONS: REVIEW OF STATE OF ART AND PROBLEMS, *Journal of Astrophysics and Astronomy* **36** (2015), 623-634.
256. V. Vujčić, D. Jevremović, A. A. Mihajlov, A. Srećković, Lj. M. Ignjatović, M. S. Dimitrijević, M. Malović: MOL-D A COLLISIONAL DATABASE AND WEB SERVICE WITHIN THE VIRTUAL ATOMIC AND MOLECULAR DATA CENTER, *Journal of Astrophysics and Astronomy* **36** (2015), 693-703.
257. M. S. Dimitrijević, Z. Simić, A. Kovačević, A. Valjarević, S. Sahal--Bréchet: STARK BROADENING IN COMPACT STARS: Xe VI LINES, *Journal of Astrophysics and Astronomy* **36** (2015), 681-691.
258. K. N. Arefieff, N. N. Bezuglov, M. S. Dimitrijević, A. N. Klyucharev, A. A. Mihajlov, V. Srećković: DYNAMICS RESONANCES IN ATOMIC STATES OF ASTROPHYSICAL RELEVANCE, *Journal of Astrophysics and Astronomy* **36** (2015), 613-622.

259. Z. Majlinger, Z. Simić, M. S. Dimitrijević: ON THE STARK BROADENING OF Lu III SPECTRAL LINES, *Journal of Astrophysics and Astronomy* **36** (2015), 671-679.
260. M. S. Dimitrijević, Z. Simić, A. Kovačević, A. Valjarević, S. Sahal-Bréchet: STARK WIDTHS OF SPECTRAL LINES OF NEUTRAL NEON, *Journal of Astrophysics and Astronomy* **36** (2015), 643-659.
261. N. Alonizan, R. Qindeel, N. Ben Nessib, S. Sahal-Bréchet, M. S. Dimitrijević: ON THE STARK BROADENING PARAMETERS FOR NEUTRAL OXYGEN SPECTRAL LINES, *Journal of Astrophysics and Astronomy* **36** (2015), **661-669**.
262. 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-Bréchet, 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: THE VIRTUAL ATOMIC AND MOLECULAR DATA CENTRE (VAMDC) CONSORTIUM, *Journal of Physics B* **49** (2016), 074003 (1-18).
263. Igor Stojić, Milan S. Dimitrijević, Edi Bon, Vesna Mijatović: POSSIBLE REPRESENTATIONS OF COMETS IN SERBIAN RELIGIOUS MEDIEVAL ART, *European Journal for Science and Theology* **12(3)** (2016), 181-188.
264. A. A. Mihajlov, V. A. Srećković, Lj. M. Ignjatović, M. S. Dimitrijević: ATOM-RYDBERG-ATOM CHEMI-IONIZATION PROCESSES IN SOLAR AND DB WHITE-DWARF ATMOSPHERES IN THE PRESENCE OF (n-n')-MIXING CHANNELS, *Monthly Notices of the Royal Astronomical Society* **458** (2016), 2215-2220.
265. Milan S. Dimitrijević, Magdalena Christova, Zoran Simić, Andjelka Kovačević, Sylvie Sahal-Bréchet: STARK BROADENING OF B IV SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **460**, (2016), 1658-1663.
266. Roland Stamm, Ibtissem Hannachi, Mutia Meireni, Hubert Capes, Laurence Godbert-Mouret, Mohammed Koubiti, Joël Rosato, Yannick Marandet, Milan Dimitrijević, Zoran Simić: LINE SHAPES IN TURBULENT PLASMAS, *European Physical Journal D*, **71**, (2017), 68 (1-7).
267. C. Yubero, A. Rodero, M. S. Dimitrijevic, A. Gamero, M. C. García: GAS TEMPERATURE DETERMINATION IN AN ARGON NON-THERMAL

- PLASMA AT ATMOSPHERIC PRESSURE FROM BROADENINGS OF ATOMIC EMISSION LINES, *Spectrochimica Acta B* **129** (2017), 14-20.
268. Bratislav P. Marinković, Darko Jevremović, Vladimir A. Srećković, Veljko Vujčić, Ljubinko M. Ignjatović, Milan S. Dimitrijević, Nigel J. Mason: BEAMDB AND MOLD – DATABASES FOR ATOMIC AND MOLECULAR COLLISIONAL AND RADIATIVE PROCESSES: BELGRADE NODES OF VAMDC, *European Physical Journal D*, **71** (2017), 158.
269. Zlatko Majlinger, Zoran Simić, Milan S. Dimitrijević: STARK BROADENING OF ZR IV SPECTRAL LINES IN THE ATMOSPHERES OF CHEMICALLY PECULIAR STARS, *Monthly Notices of the Royal Astronomical Society*, **470**, (2017), 1911-1918.
270. Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: STARK WIDTHS OF Ar II SPECTRAL LINES IN THE ATMOSPHERES OF SUBDWARF B STARS, *Atoms*, **5** (2017), 26 (1-8).
271. Milan S. Dimitrijević, Aleksandar Valjarević, Sylvie Sahal-Bréchet: SEMI-CLASSICAL STARK BROADENING PARAMETERS OF Ar VII SPECTRAL LINES, *Atoms* **5** (2017), 27 (1-5).
272. Milan S. Dimitrijević, Zoran Simić, Aleksandar Valjarević, Cristina Yubero: STARK WIDTHS OF Na IV SPECTRAL LINES, *Atoms* **5** (2017), 29 (1-4).
273. Vladimir A. Srećković, Ljubinko M. Ignjatović, Darko Jevremović, Veljko Vujčić, Milan S. Dimitrijević: RADIATIVE AND COLLISIONAL MOLECULAR DATA AND VIRTUAL LABORATORY ASTROPHYSICS, *Atoms* **5** (2017), 31 (1-11).
274. Roland Stamm, Ibtissem Hannachi, Mutia Meireni, Laurence Godbert-Mouret, Mohammed Koubiti, Yannick Marandet, Joël Rosato, Milan S. Dimitrijević, Zoran Simić: STARK BROADENING FROM IMPACT THEORY TO SIMULATIONS, *Atoms* **5** (2017), 32 (1-10).
275. Joël Rosato, Ny Kieu, Ibtissem Hannachi, Mutia Meireni, Laurence Godbert-Mouret, Mohammed Koubiti, Yannick Marandet, Roland Stamm, Milan S. Dimitrijević, Zoran Simić: STARK-ZEEMAN LINE SHAPE MODELING FOR MAGNETIC WHITE DWARF AND TOKAMAK EDGE PLASMAS: COMMON CHALLENGES, *Atoms* **5** (2017), 36 (1-10).
276. Cristina Yubero, Antonio Rodero, Milan S. Dimitrijević, Antonio Gamero, Maria del Carmen Garcia: USING THE PAIRS OF LINES BROADENED BY COLLISIONS WITH NEUTRAL AND CHARGED PARTICLES FOR GAS TEMPERATURE DETERMINATION OF ARGON NON THERMAL PLASMAS AT ATMOSPHERIC PRESSURE, *Atoms* **5** (2017), 41 (1-9).
277. Ljubinko M. Ignjatović, Vladimir A. Srećković, Milan S. Dimitrijević: THE SCREENING CHARACTERISTICS OF THE DENSE ASTROPHYSICAL PLASMAS: THE THREE-COMPONENT SYSTEMS, *Atoms* **5** (2017), 42 (1-18).

278. Ny Kieu, Joël Rosato, Roland Stamm, Jelena Kovačević-Dojčinović, Milan S. Dimitrijević, Luka Č. Popović, Zoran Simić: A NEW ANALYSIS OF STARK AND ZEEMAN EFFECTS ON HYDROGEN LINES IN MAGNETIZED DA WHITE DWARFS, *Atoms* **5** (2017), 44 (1-7).
279. J. Muñoz, R. Rincón, C. Melero, M.S. Dimitrijević, C. González, M.D. Calzada: VALIDATION OF THE VAN DER WAALS BROADENING METHOD FOR THE DETERMINATION OF GAS TEMPERATURE IN MICRO-WAVE DISCHARGES SUSTAINED IN ARGON–NEON MIXTURES, *Journal of Quantitative Spectroscopy and Radiative Transfer*, **206** (2018), 135-141.
280. Vladimir A. Srećković, Desanka M. Šulić, Ljubinko M. Ignjatović, Milan S. Dimitrijević: A STUDY OF HIGH FREQUENCY PROPERTIES OF PLASMA AND THE INFLUENCE OF ELECTROMAGNETIC RADIATION FROM IR TO XUV, *Nuclear Technology and Radiation Protection*, **32** (217), 222-228.
281. Zlatko Majlinger, Milan S. Dimitrijević, Zoran Simić: REGULARITIES AND SYSTEMATIC TRENDS ON Zr IV STARK WIDTHS, *Atoms* **5** (2017), 49 (1-6).
282. Dmitry K. Efimov, Martins Bruvelis, Nikolai N. Bezuglov, Milan S. Dimitrijević, Andrey N. Klyucharev, Vladimir A. Srećković, Yuriy N. Gnedin, Francesco Fusco: NONLINEAR SPECTROSCOPY OF ALKALI ATOMS IN COLD MEDIUM OF ASTROPHYSICAL RELEVANCE, *Atoms* **5** (2017), 50 (1-11).
283. Vladimir A. Srećković, Ljubinko M. Ignjatović, Milan S. Dimitrijević: SYMMETRIC ATOM–ATOM AND ION–ATOM PROCESSES IN STELLAR ATMOSPHERES, *Atoms* **6** (2018), 1 (1-16).
284. Nenad M. Sakan, Vladimir A. Srećković, Zoran J. Simić, Milan S. Dimitrijević: THE APPLICATION OF THE CUT-OFF COULOMB MODEL POTENTIAL FOR THE CALCULATION OF BOUND-BOUND STATE TRANSITIONS, *Atoms* **6** (2018), 4 (1-8).
285. Rafik Hamdi, Nebil Ben Nessib, Sylvie Sahal-Bréchet, M. S. Dimitrijević: SEMICLASSICAL PERTURBATION STARK WIDTHS OF SINGLY CHARGED ARGON SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **475**, (2018), 800-813.
286. V. A. Srećković, N. Sakan, D. Šulić, D. Jevremović, Lj. M. Ignjatović, M. S. Dimitrijević, FREE-FREE ABSORPTION COEFFICIENT AND GAUNT FACTORS FOR DENSE HYDROGEN-LIKE STELLAR PLASMA, *Monthly Notices of the Royal Astronomical Society*, **475**, (2018), 1131-1136.
287. Milan S. Dimitrijević, Zoran Simić, Roland Stamm, Joël Rosato, Nenad Milovanović, Cristina Yubero: STARK BROADENING OF Se IV, Sn IV, Sb IV AND Te IV SPECTRAL LINES, *Atoms* **6** (2018), 10 (1-7).
288. Milan S. Dimitrijević: ISAAC NEWTON INSTITUTE OF CHILE: THE FIFTEENTH ANNIVERSARY OF ITS “YUGOSLAVIA“ BRANCH, *Astronomical and Astrophysical Transactions* **30** (2018), 271-280.

289. Milan S. Dimitrijević, Abhishek Chougule: STARK BROADENING OF CR III SPECTRAL LINES: DO WHITE DWARFS, *Atoms* **6** (2018), 15 (1-8).
290. Rihab Aloui, Haykel Elabidi, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: QUANTUM AND SEMICLASSICAL STARK WIDTHS FOR AR VII SPECTRAL LINES, *Atoms* **6** (2018), 20 (1-14).
291. Sylvie Sahal-Bréchet, Evgeny Stambulchik, Milan S. Dimitrijević, Spiros Alexiou, Bin Duan, Véronique Bommier: THE THIRD AND FOURTH WORKSHOPS ON SPECTRAL LINE SHAPES IN PLASMA CODE COMPARISON: ISOLATED LINES, *Atoms* **6** (2018), 30 (1-14).
292. A. Díaz-Soriano, J.M. Alcaraz-Pelegrina, A. Sarsa, M.S. Dimitrijević, C. Yubero: A SIMPLE AND ACCURATE ANALYTICAL MODEL OF THE STARK PROFILE AND ITS APPLICATION TO PLASMA CHARACTERIZATION, *Journal of Quantitative Spectroscopy and Radiative Transfer*, **207** (2018), 89-94.
293. A. Díaz-Soriano, M.S. Dimitrijević, J.M. Alcaraz-Pelegrina, A. Sarsa, C. Yubero: SIMPLE AND ANALYTICAL FUNCTION FOR THE STARK PROFILE OF THE H α LINE AND ITS APPLICATION TO PLASMA CHARACTERIZATION, *Journal of Quantitative Spectroscopy and Radiative Transfer*, **217** (2018), 111-115.
294. D. Jevremović, V. Vujčić, V. A. Srećković, A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević: THE MOL-D DATABASE VAMDC NODE FOR MOLECULAR COLLISIONAL AND RADIATIVE PROCESSES, *Astronomical and Astrophysical Transactions* **30** (2018), 337-342.
295. Milan S. Dimitrijević, Zoran Simić, Andjelka Kovačević, Sylvie Sahal-Bréchet: THE INFLUENCE OF STARK BROADENING ON Xe VIII SPECTRAL LINES IN DO WHITE DWARFS, *Astronomical and Astrophysical Transactions* **30** (2018), 331-336.
296. Zlatko Majlinger, Milan S. Dimitrijević, Zoran Simić: ON THE STARK BROADENING OF Co II SPECTRAL LINES, *Astronomical and Astrophysical Transactions* **30** (2018), 323-330.
297. V. A. Srećković, A. A. Mihajlov, N. M. Sakan, Lj. M. Ignjatović, M. S. Dimitrijević, D. Jevremović, V. Vujčić: HF ELECTRIC PROPERTIES OF THE ASTROPHYSICAL PLASMAS, *Astronomical and Astrophysical Transactions* **30** (2018), 307-314.
298. K. N. Arefieff, N. N. Bezuglov, M. S. Dimitrijević, A. N. Klyucharev, A. A. Mihajlov, V. A. Srećković, A. S. Chirtsov: ON THE ANOMALOUS LOW SPONTANEOUS EMISSION RATES FOR p-SERIES OF SODIUM DUE TO THE EFFECT OF NATURAL FORSTER RESONANCE, *Astronomical and Astrophysical Transactions* **30** (2018), 299-306.
299. A. A. Mihajlov, V. A. Srećković, N. M. Sakan, M. S. Dimitrijević: INVERSE BREMSSTRAHLUNG IN DWARF ATMOSPHERES: THE ABSORPTION COEFFICIENTS AND GAUNT FACTORS, *Astronomical and Astrophysical Transactions* **30** (2018), 291-298.

300. Konstantinos Kalachanis, Efstratios Theodosiou, Milan S. Dimitrijević: ANAXAGORAS AND HIS CONTRIBUTIONS TO ASTRONOMY, *Astronomical and Astrophysical Transactions* **30** (2018), 523-530.
301. Vladimir A. Srećković, Milan S. Dimitrijević, Ljubinko M. Ignjatović, Nikolai N. Bezuglov, Andrey N. Klycharev: THE COLLISIONAL ATOMIC PROCESSES OF RYDBERG HYDROGEN AND HELIUM ATOMS: ASTROPHYSICAL RELEVANCE, *Galaxies* **6** (2018), 72 (1-10).
302. Vladimir A. Srećković, Milan S. Dimitrijević, Ljubinko M. Ignjatović: ATOM-RYDBERG ATOM CHEMI-IONIZATION/RECOMBINATION PROCESSES IN THE HYDROGEN CLOUDS IN BROAD-LINE REGION OF AGNs, *Monthly Notices of the Royal Astronomical Society*, **480**, (2018), 5078-5083.
303. V. A. Srećković, A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević, D. Jevremović, V. Vujčić: ATOM-RYDBERG ATOM PROCESSES IN THE STELLAR ATMOSPHERES: DB WHITE-DWARF ATMOSPHERES AND SOLAR ATMOSPHERE, *Astronomical and Astrophysical Transactions* **30** (2018), 281-290.
304. M. S. Dimitrijević, V. A. Srećković, N. M. Sakan, N. N. Bezuglov, A. N. Klyucharev: FREE-FREE ABSORPTION IN SOLAR ATMOSPHERE, *Geomagnetism and Aeronomy*, **58** (2018), 1067–1072.
305. Milan S. Dimitrijević: STARK WIDTHS OF Yb III AND Lu IV SPECTRAL LINES, *Atoms* **7** (2019), 10 (1-6).
306. 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: BEAMDB AND MOLD - DATABASES AT THE SERBIAN VIRTUAL OBSERVATORY FOR COLLISIONAL AND RADIATIVE PROCESSES, *Atoms* **7** (2019) 11(1-14).
307. Ljubinko M. Ignjatović, Vladimir A. Srećković, Milan S. Dimitrijević: THE COLLISIONAL ATOMIC PROCESSES OF RYDBERG ALKALI ATOMS IN GEO-COSMICAL PLASMAS, *Monthly Notices of the Royal Astronomical Society*, **483**, (2019), 4202–4209.
308. Konstantinos Kalachanis, Athanasios Anastasiou, Ioannis Kostikas, Efstratios Theodossiou, Milan S. Dimitrijević: THE THEORY OF BIG BANG AND THE EARLY-CHRISTIAN TEACHING ABOUT THE ‘EX NIHILO’ CREATION OF THE UNIVERSE, *European Journal for Science and Theology* **15 (2)** (2019), 31-37.
309. Milan S. Dimitrijević, Vladimir A. Srećković, Alaa Abo Zalam, Nikolai N. Bezuglov, Andrey N. Klyucharev: DYNAMIC INSTABILITY OF RYDBERG ATOMIC COMPLEXES, *Atoms* **7** (2019), 22 (1-20).
310. Rafik Hamdi, Nebil Ben Nessib, Sylvie Sahal-Bréchet, M. S. Dimitrijević: SEMICLASSICAL PERTURBATION STARK SHIFTS OF SINGLY CHARGED ARGON SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **488**, (2019), 2473-2479.

311. Magdalena Christova, Milan S. Dimitrijević, Sylvie Sahal-Bréchet: STARK BROADENING OF NEUTRAL BORON LINES, *Atoms* **7** (2019), 80 (1-8).
312. V. A. Srećković, Lj. M. Ignjatović, M. S. Dimitrijević, N. N. Bezuglov, A. N. Klyucharev: 2020, THE COLLISIONAL ATOMIC PROCESSES IN GEO-COSMICAL PLASMAS: DATA NEEDED FOR SPECTROSCOPY, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 55-65.
313. M. S. Dimitrijević, V. A. Srećković, Alaa Abo Zalam, K. Miculis, D. K. Efimov, N. N. Bezuglov, A. N. Klyucharev: 2020, AUTOIONIZATION WIDTHS OF COLD RYDBERG ATOMIC COMPLEXES, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 66-85.
314. N. Alwadie, A. Almodlej, N. Ben Nessib, M. S. Dimitrijević: 2020, ATOMIC STRUCTURE OF THE CARBON LIKE ION Ca XV, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 86-95.
315. Magdalena Christova, Milan S. Dimitrijević, Sylvie Sahal-Bréchet: 2020, STARK BROADENING OF B I SPECTRAL LINES WITHIN $2s^22p - 2s^2 nd$ SPECTRAL SERIES, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 111-121.
316. Milan S. Dimitrijević: 2020, STARK BROADENING DATA FOR SPECTRAL LINES OF RARE-EARTH ELEMENTS: EXAMPLE OF Tb II AND Tb IV, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 122-127.
317. R. Hamdi, N. Ben Nessib, S. Sahal-Bréchet, M. S. Dimitrijević: 2020, ON THE SEMICLASSICAL PERTURBATION STARK SHIFTS OF Ar II SPECTRAL LINES, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 128-138.
318. A. Chougule, N. Przybilla, M.S. Dimitrijević, V. Schaffenroth: 2020, THE IMPACT OF IMPROVED STARK-BROADENING WIDTHS ON THE MODELING OF DOUBLE-IONIZED CHROMIUM LINES IN HOT STARS, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 139-146.
319. A. Almodlej, N. Alwadie, N. Ben Nessib, M. S. Dimitrijević: 2020, ON THE STARK BROADENING OF SOME Cr II SPECTRAL LINES IN PLASMA, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 147-153.
320. Zlatko Majlinger, Milan S. Dimitrijević, Vladimir A. Srećković: 2020, REGULARITIES AND SYSTEMATIC TRENDS ON Lu III STARK WIDTHS, *Contributions of the Astronomical Observatory Skalnaté Pleso*, **50**, 164-170.
321. V. A. Srećković, M. S. Dimitrijević, Lj.M. Ignjatović: 2020, THE INFLUENCE OF COLLISIONAL-IONIZATION AND RECOMBINATION PROCESSES ON SPECTRAL LINE SHAPES IN STELLAR ATMOSPHERES AND IN THE HYDROGEN CLOUDS IN BROAD-LINE RE-

- GION OF AGNs, Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 171-178.
322. Lj.M. Ignjatović, V. A. Srećković, M. S. Dimitrijević: 2020, PHOTOIONIZATION OF THE ALKALI MOLECULAR IONS IN GEO-COSMICAL PLASMAS, Contributions of the Astronomical Observatory Skalnaté Pleso, **50**, 187-192.
323. Evelyne Roueff, Sylvie Sahal-Bréchet, Milan S. Dimitrijević, Nicolas Moreau, Hervé Abgrall: THE SPECTROSCOPIC ATOMIC AND MOLECULAR DATABASES AT THE PARIS OBSERVATORY, *Atoms* **8** (2020), 36 (1-11).
324. Zlatko Majlinger, Milan S. Dimitrijević, Vladimir A. Srećković: STARK BROADENING OF CO II SPECTRAL LINES IN HOT STARS AND WHITE DWARF SPECTRA, *Monthly Notices of the Royal Astronomical Society*, **496**, (2020), 5584-5590 .
325. Milan S. Dimitrijević: FORTY YEARS OF THE APPLICATIONS OF STARK BROADENING DATA DETERMINED WITH THE MODIFIED SEMIEMPIRICAL METHOD, *Data*, **5**, (2020), 73 (1-17) .
326. Zlatko Majlinger, Milan S. Dimitrijević, Vladimir A. Srećković: STARK BROADENING OF Co II LINES IN STELLAR ATMOSPHERES, *Data*, **5**, (2020), 74 (1-9) .
327. Milan S. Dimitrijević: MILUTIN MILANKOVIĆ AND CLIMATE CHANGES LEADING TO ICE AGES, *ChemTexts*, **6**, (2020), 23 (1-8).
328. Damien Albert, Bobby K. Antony, Yaye Awa Ba, Yuri L. Babikov, Philippe Bolland, 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 Rixson, Laurence S. Rothman, Evelyne Roueff, Tatiana Ryabchikova, Sylvie Sahal-Bréchet, Paul Scheier, Peter Schilke, Stephan Schlemmer, Ken W. Smith, Bernard Schmitt, Igor Yu. Skobelev, Vladimir A. Srećković, Eric Stempels, Serguey A. Tashkun, Jonathan Tennyson, Vladimir G. Tyuterev, Charlotte Vastel, Veljko Vujčić, Valentine Wakelam, Nicholas A. Walton, Claude Zeippen, Carlo Maria Zwölf: A DECADE WITH VAMDC: RESULTS AND AMBITIONS, *Atoms*, **8**, (2020), 76 (1-45) .
329. Milan S. Dimitrijević, Vladimir A. Srećković, Ljubinko M. Ignjatović, Bratislav P. Marinković: THE ROLE OF SOME COLLISIONAL PROCESSES IN

- AGNS: RATE COEFFICIENTS NEEDED FOR MODELING, *New Astronomy*, **84** (2021) 101529 (1-6).
330. Evangelia Panou, Konstantinos Kalachanis, Milan S. Dimitrijević: SUNDIALS: CULTURAL HERITAGE OBJECTS AS PROOFS OF ANAXIMANDER'S ASTRONOMICAL KNOWLEDGE, *Romanian Astronomical Journal*, **30(3)** (2020), 16 5–176,
331. Milan S. Dimitrijević, Magdalena Christova, Sylvie Sahal-Bréchet: ON THE STARK BROADENING OF Be II SPECTRAL LINES, *Data*, **5** (2020)106(1-7).
332. Alaa Abo Zalam, Milan S. Dimitrijević, Vladimir A. Srećković, Nikolai N. Bezuglov, Kaspars Miculis, Andrey N. Klyucharev, Aigars Ekers: PENNING IONIZATION PROCESSES INVOLVING COLD RYDBERG ALKALI METAL ATOMS, *European Physical Journal D*, **74** (2020), 237 (1-8).
333. Antonio Ortiz-Mora, Antonio Díaz-Sorianoa, Antonio Sarsaa, Milan S. Dimitrijević, Cristina Yubero: 2020, A PRACTICAL METHOD FOR PLASMA DIAGNOSIS WITH BALMER SERIES HYDROGEN LINES, *Spectrochimica Acta Part B: Atomic Spectroscopy* **163**, 105728.
334. Vladimir A. Srećković, Ljubinko M. Ignjatović, Milan S. Dimitrijević: 2021, PHOTODESTRUCTION OF DIATOMIC MOLECULAR IONS: LABORATORY AND ASTROPHYSICAL APPLICATION, *Molecules*, **26**, 151(1-10).
335. E. A. Viktorov, M. S. Dimitrijević, V. A. Srećković, N. N. Bezuglov, K. Miculis, A. Pastor, P. Yu. Serdobintsev: 2021, COLLAPSE OF XE POLARIZED ATOMIC STATES IN MAGNETIC FIELDS, *European Physical Journal D*, **75**, 13.
336. Najah Alwadie, Abeer Almodlej, Nabil Ben Nessib Milan S. Dimitrijević: 2021, THE FULLY RELATIVISTIC MULTI-CONFIGURATION DIRAC–HARTREE–FOCK METHOD FOR ATOMIC STRUCTURE CALCULATIONS FOR MULTIPLY CHARGED IONS: THE EXAMPLE OF Ca XV, *European Physical Journal D*, **75**, 35.
337. K. Kalachanis, A. Anastasiou, M.S. Dimitrijević, E. Theodosiou: 2020, BEYOND THE ANTHROPIC PRINCIPLE: MAN AND THE UNIVERSE, *Astronomical and Astrophysical Transactions*, **31(4)**, 443-450.
338. Milan S. Dimitrijević: 2021, STARK WIDTH DATA FOR Tb II, Tb III AND Tb IV SPECTRAL LINES, *Data*, **6**, 28(1-12).
339. Abeer Almodlej, Najah Alwadie, Nabil Ben Nessib Milan S. Dimitrijević: 2021, ON THE APPLICATIONS OF THE MODIFIED SEMIEMPIRICAL METHOD FOR STARK BROADENING: THE EXAMPLE OF THE ALKALI-LIKE ION Sr II, *European Physical Journal D*, **75**, 84.
340. Abeer Almodlej, Zlatko Majlinger, Nabil Ben Nessib Milan S. Dimitrijević: 2021, IMPACT OF STARK BROADENING ON CO II SPECTRAL LINE MODELLING IN HOT STARS, *European Physical Journal D*, **75**, 141.

341. Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: 2021, STARK BROADENING OF Fe V SPECTRAL LINES: 4s–4p TRANSITIONS, *Monthly Notices of the Royal Astronomical Society*, **504**, 1320–1330.
342. Milan S. Dimitrijević, Magdalena D. Christova, Sylvie Sahal-Bréchet: 2021, STARK BROADENING OF Zn II SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **507**, 2087–2093.
343. Abeer Almodlej, Nabil Ben Nessib Milan S. Dimitrijević: 2021, INFLUENCE OF STARK BROADENING OF IONIZED CHROMIUM SPECTRAL LINES IN Ap-STAR ATMOSPHERES, *European Physical Journal D*, **75**, 234.
344. A. Almodlej, H. Alrashed, N. Ben Nessib, M. S. Dimitrijević: 2021, ATOMIC STRUCTURE FOR CARBON-LIKE IONS FROM Na VI TO Ar XIII *Monthly Notices of the Royal Astronomical Society*, **507**, 3228–3237.
345. Milan S. Dimitrijević, Magdalena D. Christova: 2021, STARKWIDTHS OF Lu II SPECTRAL LINES, *European Physical Journal D*, **75**, 172.
346. Milan S. Dimitrijević, Magdalena D. Christova, Sylvie Sahal-Bréchet: 2022, STARK BROADENING OF B I SPECTRAL LINES, *Monthly Notices of the Royal Astronomical Society*, **509**, 3203–3208.
347. Rafik Hamdi, Nabil Ben Nessib, Sylvie Sahal-Bréchet, Milan S. Dimitrijević: 2022, STARK BROADENING EFFECT IN HOT DA WHITE DWARFS: ULTRAVIOLET LINES OF Fe V, *Astronomische Nachrichten*, **343**, e210047 (1-14).
348. Fatemah H. Alkallas, Lamia Abu El Maati, Nabil Ben Nessib, Milan S. Dimitrijević: 2022, ENERGY LEVELS OF THE SINGLY IONIZED TITANIUM: Ti II ION, *Astronomische Nachrichten*, **343**, e210059 (1-17).
349. Fatemah H. Alkallas, Lamia Abu El Maati, Nabil Ben Nessib, Milan S. Dimitrijević: 2022, AB INITIO AND SEMI-EMPIRICAL ATOMIC STRUCTURE CALCULATIONS: APPLICATIONS TO THE 5p-6s TRANSITIONS FOR THE Mo II ION, *Astronomische Nachrichten*, **343**, e210060 (1-7).
350. Arturs Cinins, Martins Bruvelis, Milan S. Dimitrijević, Vladimir A. Srećković, Dmitriy K. Efimov, Kaspars Miculis, Nikolai N. Bezuglov, Aigars Ekers: 2022, EXPRESSIONS OF “FAST“ AND “SLOW“ CHAMELEON DRESSED STATES IN AUTLER–TOWNES SPECTRA OF ALKALI-METAL ATOMS, *Astronomische Nachrichten*, **343**, e210081 (1-9).