Milan S DimitrijeviÄ

List of Publications by Year
in descending order

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61 papers	581 citations	687363 13 h-index	713466 21 g-index
61 all docs	61 docs citations	61 times ranked	313 citing authors

#	Article	IF	Citations
1	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, 2014, 2, 225-252.	1.6	55
2	A Decade with VAMDC: Results and Ambitions. Atoms, 2020, 8, 76.	1.6	53
3	Stark broadening of Li II spectral lines. Physica Scripta, 1996, 54, 50-55.	2.5	48
4	STARK BROADENING IN ASTROPHYSICS (APPLICATIONS OF BELGRADE SCHOOL RESULTS AND) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 22, 389-412.	0.2	26
5	Stark broadening of spectral lines in chemically peculiar stars: Te I lines and recent calculations for trace elements. New Astronomy Reviews, 2009, 53, 246-251.	12.8	21
6	CHEMI-IONIZATION IN SOLAR PHOTOSPHERE: INFLUENCE ON THE HYDROGEN ATOM EXCITED STATES POPULATION. Astrophysical Journal, Supplement Series, 2011, 193, 2.	7.7	21
7	On the Application of Stark Broadening Data Determined with a Semiclassical Perturbation Approach. Atoms, 2014, 2, 357-377.	1.6	21
8	Stark broadening of heavy ion lines: As II, Br II, Sb II and I II. Physica Scripta, 1996, 53, 325-331.	2.5	20
9	The Second Workshop on Lineshape Code Comparison: Isolated Lines. Atoms, 2014, 2, 157-177.	1.6	17
10	Stark broadening of Pbâ€‰iv spectral lines. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1039-1047.	4.4	16
11	ELECTRON-IMPACT STARK BROADENING PARAMETERS FOR Ti II AND Ti III SPECTRAL LINES. Atomic Data and Nuclear Data Tables, 2001, 77, 277-310.	2.4	15
12	BEAMDB and MolD â€“ databases for atomic and molecular collisional and radiative processes: Belgrade nodes of VAMDC. European Physical Journal D, 2017, 71, 1.	1.3	15
13	Forty Years of the Applications of Stark Broadening Data Determined with the Modified Semiempirical Method. Data, 2020, 5, 73.	2.3	15
14	Stark broadening of XeÂviii spectral lines. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1736-1741.	4.4	12
15	Quantum and Semiclassical Stark Widths for Ar VII Spectral Lines. Atoms, 2018, 6, 20.	1.6	12
16	A New Model for the Structure of the DACs and SACs Regions in the Oe and Be Stellar Atmospheres. Publication of the Astronomical Society of Japan, 2007, 59, 827-834.	2.5	11
17	Stark widths of Ar III spectral lines in the atmospheres of subdwarf B stars. Advances in Space Research, 2014, 54, 1223-1230.	2.6	11
18	Comparisons and Comments on Electron and Ion Impact Profiles of Spectral Lines. Open Astronomy, 2011, 20, .	0.6	10

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19	The STARK-B database as a resource for â€œSTARKâ€•widths and shifts data: State of advancement and program of development. Advances in Space Research, 2014, 54, 1148-1151.	2.6	10
20	Radiative and Collisional Molecular Data and Virtual Laboratory Astrophysics. Atoms, 2017, 5, 31.	1.6	10
21	Pressure Broadening and Solar Limb Effect. , 1985, , 373-380.		10
22	The Complex Structure of the Mg II $lambdalambda$ 2795.523, 2802.698 ${mÃ…}$ Regions of 64 Be Stars. Publication of the Astronomical Society of Japan, 2007, 59, 357-371.	2.5	9
23	Semiclassical perturbation Stark widths of singly charged argon spectral lines. Monthly Notices of the Royal Astronomical Society, 2018, 475, 800-813.	4.4	9
24	Stark broadening data for spectral lines of rare-earth elements: Nb III. Advances in Space Research, 2014, 54, 1231-1234.	2.6	8
25	Stark Broadening of Cr III Spectral Lines: DO White Dwarfs. Atoms, 2018, 6, 15.	1.6	8
26	The Third and Fourth Workshops on Spectral Line Shapes in Plasma Code Comparison: Isolated Lines. Atoms, 2018, 6, 30.	1.6	8
27	Stark Broadening Data for Stellar Plasma Research. Astrophysics and Space Science, 1997, 252, 415-422.	1.4	7
28	Electron-Impact Broadening of MgII Spectral Lines for Astrophysical and Laboratory Plasma Research. Physica Scripta, 1998, 58, 61-71.	2.5	7
29	Virtual Laboratory Astrophysics: the STARK-B database for spectral line broadening by collisions with charged particles and its link to the European project VAMDC. Journal of Physics: Conference Series, 2012, 397, 012019.	0.4	7
30	Stark broadening of Bâ€‰iv spectral lines. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1658-1663.	4.4	7
31	Symmetric Atomâ€“Atom and Ionâ€“Atom Processes in Stellar Atmospheres. Atoms, 2018, 6, 1.	1.6	7
32	Stark Broadening of Se IV, Sn IV, Sb IV and Te IV Spectral Lines. Atoms, 2018, 6, 10.	1.6	7
33	The Spectroscopic Atomic and Molecular Databases at the Paris Observatory. Atoms, 2020, 8, 36.	1.6	7
34	Semiclassical perturbation Stark shifts of singly charged argon spectral lines. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2473-2479.	4.4	6
35	BEAMDB and MOLDâ€”Databases at the Serbian Virtual Observatory for Collisional and Radiative Processes. Atoms, 2019, 7, 11.	1.6	6
36	Stark Broadening of Heavy Ion Solar Lines. Astrophysics and Space Science Library, 1982, , 101-102.	2.7	6

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37	Photodestruction of Diatomic Molecular Ions: Laboratory and Astrophysical Application. Molecules, 2021, 26, 151.	3.8	6
38	Stark broadening of Fe V spectral lines: 4sâ€“4p transitions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1320-1330.	4.4	5
39	Accuracy of line broadening data. , 1990, , 31-44.		4
40	On the Variation of Stark Line Shifts within a given Spectrum in the Case of Irregular Energy Level Structure. Physica Scripta, 2000, 62, 177-182.	2.5	4
41	Stark Broadening Parameters for Neutral Oxygen Spectral Lines. Journal of Astrophysics and Astronomy, 2015, 36, 661.	1.0	4
42	The Collisional Atomic Processes of Rydberg Hydrogen and Helium Atoms: Astrophysical Relevance. Galaxies, 2018, 6, 72.	3.0	4
43	Stark-broadening parameters of ionized mercury spectral lines of astrophysical interest. Journal of Quantitative Spectroscopy and Radiative Transfer, 1992, 47, 315-318.	2.3	3
44	Electron-Impact Broadening Parameters for Ra II Spectral Lines. Physica Scripta, 2001, 63, 54-61.	2.5	3
45	The role of some collisional processes in AGNs: Rate coefficients needed for modeling. New Astronomy, 2021, 84, 101529.	1.8	2
46	Stark widths of Lu II spectral lines. European Physical Journal D, 2021, 75, 1.	1.3	2
47	Stark Broadening in Compact Stars: Xe VI Lines. Journal of Astrophysics and Astronomy, 2015, 36, 681.	1.0	1
48	The Application of the Cut-Off Coulomb Model Potential for the Calculation of Bound-Bound State Transitions. Atoms, 2018, 6, 4.	1.6	1
49	Stark Broadening of Neutral Boron Lines. Atoms, 2019, 7, 80.	1.6	1
50	Stark broadening of Zn II spectral lines. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2087-2093.	4.4	1
51	Stark broadening effect in hot <scp>DA</scp> white dwarfs: Ultraviolet lines of Fe V. Astronomische Nachrichten, 2022, 343, .	1.2	1
52	Stark broadening parameters of the singly ionized sulfur: S II. Advances in Space Research, 2023, 71, 1281-1286.	2.6	1
53	DIVISION B COMMISSION 14 WORKING GROUP: COLLISION PROCESSES. Proceedings of the International Astronomical Union, 2015, 11, 120-136.	0.0	0
54	Stark Widths of Spectral Lines of Neutral Neon. Journal of Astrophysics and Astronomy, 2015, 36, 643.	1.0	0

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55	Stark Widths of Na IV Spectral Lines. Atoms, 2017, 5, 29.	1.6	0
56	Semiclassical Stark Broadening Parameters of Ar VII Spectral Lines. Atoms, 2017, 5, 27.	1.6	0
57	On the Stark Broadening of Be II Spectral Lines. Data, 2020, 5, 106.	2.3	0
58	On the applications of the modified semiempirical method for Stark broadening: the example of the alkali-like ion Sr II. European Physical Journal D, 2021, 75, 1.	1.3	0
59	Stark Width Data for Tb II, Tb III and Tb IV Spectral Lines. Data, 2021, 6, 28.	2.3	0
60	Stark broadening of B I spectral lines. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3203-3208.	4.4	0
61	The Rydberg atom-atom collisions: chemi-ionization cross-sections and rate coefficients in alkali-metal astrophysical and low-temperature laboratory plasmas. Advances in Space Research, 2022, , .	2.6	0