Nabil Ben Nessib

List of Publications by Year
in descending order

61	568	759233 12	677142 22
papers	citations	h-index	g-index

62	62	62	261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stark broadening parameters of the singly ionized sulfur: S II. Advances in Space Research, 2023, 71, 1281-1286.	2.6	1
2	Energy levels of the singly ionized titanium: Ti <scp>II</scp> ion. Astronomische Nachrichten, 2022, 343, .	1.2	1
3	Stark broadening effect in hot <scp>DA</scp> white dwarfs: Ultraviolet lines of Fe V. Astronomische Nachrichten, 2022, 343, .	1.2	1
4	Atomic structure of the doubly ionized titanium Ti III ion. Advances in Space Research, 2022, , .	2.6	0
5	The fully relativistic multi-configuration Diracâ€“Hartreeâ€“Fock method for atomic structure calculations for multiply charged ions: the example of Ca XV. European Physical Journal D, 2021, 75, 1.	1.3	0
6	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
7	Impact of Stark broadening on Co II spectral line modelling in hot stars. European Physical Journal D, 2021, 75, 1.	1.3	0
8	Stark broadening of Fe V spectral lines: 4sâ€“4p transitions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1320-1330.	4.4	5
9	Influence of Stark broadening of ionized chromium spectral lines in Ap-star atmospheres. European Physical Journal D, 2021, 75, 1.	1.3	0
10	Atomic structure for carbon-like ions from Naâ€‰<scp>vi</scp> to Arâ€‰<scp>xiii</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3228-3237.	4.4	2
11	Semiclassical perturbation Stark shifts of singly charged argon spectral lines. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2473-2479.	4.4	6
12	Semiclassical perturbation Stark widths of singly charged argon spectral lines. Monthly Notices of the Royal Astronomical Society, 2018, 475, 800-813.	4.4	9
13	Expectation Values of the Neutral Chromium Radius. Atoms, 2018, 6, 51.	1.6	2
14	Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V. European Physical Journal Plus, 2018, 133, 1.	2.6	7
15	The STARK-B database VAMDC node. AIP Conference Proceedings, 2017, , .	0.4	1
16	Stark Widths of Ar II Spectral Lines in the Atmospheres of Subdwarf B Stars. Atoms, 2017, 5, 26.	1.6	12
17	Atomic Structure Calculations for Neutral Oxygen. International Journal of Spectroscopy, 2016, 2016, 1-7.	1.6	3
18	Stark widths dependence on electron temperature for neutral chromium spectral lines. European Physical Journal Plus, 2016, 131, 1.	2.6	3

#	Article	IF	Citations
19	Stark Broadening Parameters for Neutral Oxygen Spectral Lines. Journal of Astrophysics and Astronomy, 2015, 36, 661.	1.0	4
20	The STARK-B database VAMDC node: a repository for spectral line broadening and shifts due to collisions with charged particles. Physica Scripta, 2015, 90, 054008.	2.5	47
21	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
22	The OIV 1407.3Ã... /1401.1Ã... emission-line ratio in a plasma. Advances in Space Research, 2014, 54, 1190-1194.	2.6	4
23	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
24	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
25	Observations and analysis of NOAA AR 11429 at KSU-Astronomical Observatory. New Astronomy, 2013, 23-24, 73-81.	1.8	5
26	Stark broadening of Pbâ€‰iv spectral lines. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1039-1047.	4.4	16
27	Fine structure collision strengths for S VII lines. Physica Scripta, 2012, 85, 065302.	2.5	10
28	Electron-Impact Broadening of C II Spectral Lines. Journal of Physics: Conference Series, 2012, 397, 012056.	0.4	0
29	Radiative atomic data and fine-structure collision strengths for neon-like sulfur. Journal of Physics: Conference Series, 2012, 388, 062006.	0.4	0
30	EPR study of table sugar rod and powder as high dose dosimeters. Radiation Measurements, 2012, 47, 988-991.	1.4	10
31	Stark-broadening calculations of singly ionized carbon spectral lines. Monthly Notices of the Royal Astronomical Society, 2012, 423, 766-773.	4.4	17
32	Electron impact broadening of Si IV spectral lines: Comparison with recent experiments. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1606-1611.	2.3	6
33	Ab Initio Determination of Atomic Structure and Stark Broadening Parameters: Pb IV and Recent Results. Open Astronomy, 2011, 20, .	0.6	2
34	Stark Broadening of Carbon and Oxygen Lines in Hot DQ White Dwarf Stars: Recent Results and Applications. Open Astronomy, 2011, 20, .	0.6	2
35	Quantum Stark broadening data for the Câ€ƒiv, Nâ€ƒv, Oâ€ƒvi, Fâ€ƒvii and Neâ€ƒviii resonance doublets. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2624-2630.	4.4	11
36	Stark broadening calculations of neutral copper spectral lines and temperature dependence. Physica Scripta, 2010, 82, 055301.	2.5	41

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37	pH-Metric study of gamma-irradiated table sugar for dosimetry purpose. Radiation Measurements, 2009, 44, 374-377.	1.4	6
38	Ab initio calculations of Stark broadening parameters. New Astronomy Reviews, 2009, 53, 255-258.	12.8	9
39	Quantum Stark broadening of 3sâ€“3p spectral lines in Li-like ions; Z-scaling and comparison with semi-classical perturbation theory. European Physical Journal D, 2009, 54, 51-64.	1.3	29
40	Electrical conductivity study of gamma-irradiated table sugar for high-dose dosimetry. Radiation Measurements, 2008, 43, 1254-1257.	1.4	14
41	Stark broadening of isolated lines: calculation of the diagonal multiplet factor for complex configurations (n1l1 nâ€‰n2l2 mâ€‰n3l3 p). European Physical Journal D, 2008, 47, 7-10.	1.3	10
42	Temperature dependence of atomic spectral line widths in a plasma. European Physical Journal D, 2008, 48, 389-395.	1.3	7
43	Atomic data and electron-impact broadening effect in DO white dwarf atmospheres: SiÂvi. Monthly Notices of the Royal Astronomical Society, 2008, 387, 871-882.	4.4	22
44	Semi-classical Stark broadening calculations of HeI lines in a non-ideal plasma. Astronomy and Astrophysics, 2007, 465, 651-665.	5.1	2
45	Stark Broadening of the Spectral Lines of Ne v. Astrophysical Journal, Supplement Series, 2007, 170, 243-250.	7.7	10
46	Electron impact broadening of multicharged ion lines of astrophysical interest: Ne VII, Ne VIII and Si XI. New Astronomy, 2006, 12, 64-70.	1.8	6
47	Modified semiempirical electron width calculations of singly-ionized oxygen spectral lines. Astronomy and Astrophysics, 2005, 434, 773-778.	5.1	4
48	Radiative and Collisional Atomic Data for Neon-like Silicon. Physica Scripta, 2005, 72, 23-30.	2.5	7
49	Stark broadening of 3s3P0â€“3p3D and 3p3Dâ€“3d3F0transitions along carbon isoelectronic sequences of ions revisited. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 715-728.	1.5	8
50	Semi-Classical Impact Stark Shift Calculations of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines. Physica Scripta, 2005, 71, 190-192.	2.5	3
51	Semi-classical collisional functions in a strongly correlated plasma. Astronomy and Astrophysics, 2005, 433, 1153-1154.	5.1	3
52	Semi-Classical Calculations of Stark Broadening Impact Theory of Singly-Ionized Carbon, Nitrogen and Oxygen Spectral Lines. Physica Scripta, 2004, 70, 142-152.	2.5	10
53	Quantum model of emission in a weakly non ideal plasma. European Physical Journal D, 2004, 29, 391-395.	1.3	40
54	Quantum mechanical calculations of the electron-impact broadening of spectral lines for intermediate coupling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 63-71.	1.5	35

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55	Stark broadening of the four times ionized silicon spectral lines. Astronomy and Astrophysics, 2004, 423, 397-400.	5.1	14
56	Semi-classical collisional functions in a strongly correlated plasma. Astronomy and Astrophysics, 2004, 419, 771-776.	5.1	7
57	Stark broadening of neutral oxygen lines in the impact and quasistatic approximations. Physica Scripta, 1996, 54, 608-613.	2.5	18
58	Stark broadening calculations of 3d-5f transition in Al XI. AIP Conference Proceedings, 1995, , .	0.4	0
59	Simple convergent formula for estimating stark widths of neutral atom lines. AIP Conference Proceedings, 1990, , .	0.4	0
60	Collision width function in a correlated plasma. AIP Conference Proceedings, 1990, , .	0.4	0
61	Ab initio and semiâ€empirical atomic structure calculations: Applications to the 5pâ€6s transitions for the Mo II ion. Astronomische Nachrichten, 0, , .	1.2	0