D NikoliÄ

List of Publications by Year
in descending order

39 papers	449 citations	623734 14 h-index	752698 20 g-index
40 all docs	40 docs citations	40 times ranked	355 citing authors

#	Article	IF	Citations
1	Measurements of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mi>Î²</mml:mi></mml:msub></mml:math>Stark central asymmetry and its analysis through standard theory and computer simulations. Physical Review E, 2009, 79, 046402.	2.1	43
2	Dielectronic recombination data for dynamic finite-density plasmas. Astronomy and Astrophysics, 2012, 537, A40.	5.1	36
3	SUPPRESSION OF DIELECTRONIC RECOMBINATION DUE TO FINITE DENSITY EFFECTS. Astrophysical Journal, 2013, 768, 82.	4.5	34
4	Asymmetry ofHÎ²Stark profiles in T-tube hydrogen plasma. Physical Review E, 2005, 71, 036407.	2.1	28
5	Simple method for deconvolution of a Gaussian and a plasma broadened spectral line profile jA,R(Ï‡). Journal of Quantitative Spectroscopy and Radiative Transfer, 1993, 50, 329-335.	2.3	25
6	Dielectronic recombination of argon-like ions. Astronomy and Astrophysics, 2010, 516, A97.	5.1	25
7	Dielectronic recombination of lithiumlike beryllium: A theoretical and experimental investigation. Physical Review A, 2002, 66, .	2.5	22
8	Deconvolution of plasma broadened non-hydrogenic neutral atom lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 67-74.	2.3	19
9	Multiparametric dependence of hydrogen Stark profiles asymmetry. European Physical Journal D, 2008, 46, 111-127.	1.3	19
10	Resonance asymmetry and external field effects in the photorecombination ofTi4+. Physical Review A, 2009, 79, .	2.5	17
11	BOOTSTRAPPING DIELECTRONIC RECOMBINATION FROM SECOND-ROW ELEMENTS AND THE ORION NEBULA. Astrophysical Journal, 2015, 804, 100.	4.5	17
12	Dielectronic recombination resonances inNa8+. Physical Review A, 2004, 70, .	2.5	16
13	Determination of ion-broadening parameter for some Ar I spectral lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 86, 285-298.	2.3	15
14	Suppression of Dielectronic Recombination Due to Finite Density Effects. II. Analytical Refinement and Application to Density-dependent Ionization Balances and AGN Broad-line Emission. Astrophysical Journal, Supplement Series, 2018, 237, 41.	7.7	15
15	A simple method for bremsstrahlung spectra reconstruction from transmission measurements. Medical Physics, 2002, 29, 932-938.	3.0	14
16	High-precision measurements of krypton and xenon isotopes with a new static-mode quadrupole ion trap mass spectrometer. Journal of Analytical Atomic Spectrometry, 2019, 34, 104-117.	3.0	14
17	Accurate Xe Isotope Measurement Using JPL Ion Trap. Journal of the American Society for Mass Spectrometry, 2014, 25, 1841-1852.	2.8	13
18	Nonmonotonic behavior as a function of nuclear charge of theK-shell Auger and radiative rates and fluorescence yields along the1s2s22p3isoelectronic sequence. Physical Review A, 2008, 78, .	2.5	9

#	Article	IF	Citations
19	Measuring the strength and asymmetry of giant resonances in the photorecombination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi mathvariant="normal">Sc</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrc the photoionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi mathvariant="normal">Sc</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrc. Physical Review	2.5	8
20	Influence of the biquadratic interaction to magnetic surface reconstruction. Physical Review B, 1999, 60, 6574-6583.	3.2	7
21	Orbital sensitivity inMg2+dielectronic recombination calculations. Physical Review A, 2008, 77, .	2.5	7
22	Computer Modeling of an Ion Trap Mass Analyzer, Part I: Low Pressure Regime. Journal of the American Society for Mass Spectrometry, 2015, 26, 2115-2124.	2.8	6
23	Comment on â€œAtomic spectral line-free parameter deconvolution procedureâ€• Physical Review E, 2003, 67, 058401; author reply 058402.	2.1	5
24	Stark broadening of the hydrogen HÎ³ spectral line at moderately low plasma electron densities. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 990-996.	2.3	5
25	On Modeling of the Spectral Line Shape of Heavy Neutral Nonhydrogen-Like Emitters. Journal of Applied Spectroscopy, 2001, 68, 902-910.	0.7	4
26	Steps toward dielectronic recombination of argon-like ions: A revisited theoretical investigation of Sc3+ and Ti4+. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 145-148.	1.4	4
27	Measurement of 56Fe activity produced in inelastic scattering of neutrons created by cosmic muons in an iron shield. Applied Radiation and Isotopes, 2012, 70, 269-273.	1.5	4
28	Deconvolution procedure for plasma broadened neutral atom lines. , 1999, , .		2
29	Title is missing!. Journal of Applied Spectroscopy, 2002, 69, 459-466.	0.7	2
30	The effect of a paraffin screen on the neutron dose at the maze door of a 15 MV linear accelerator. Medical Physics, 2013, 40, 083902.	3.0	2
31	Quadrupole Ion Trap Mass Spectrometer for Ice Giant Atmospheres Exploration. Space Science Reviews, 2021, 217, 1.	8.1	2
32	Systematic modeling of electrostatic radiation shields for deep space flight. Radiation Physics and Chemistry, 2022, 193, 110007.	2.8	2
33	Data analysis and isotopic ratios measured onboard the Spacecraft Atmosphere Monitor. International Journal of Mass Spectrometry, 2022, 477, 116847.	1.5	2
34	High resolution studies of electronâ€“ion recombination. Radiation Physics and Chemistry, 2003, 68, 51-56.	2.8	1
35	Measurements of HÎ² Stark central asymmetry and its analysis through standard theory and computer simulations. , 0, .		1
36	Plasma broadened 419.07 nm and 419.10 nm neutral argon lines. , 1999, , .		0

#	ARTICLE	IF	CITATIONS
37	On Asymmetry of Hydrogen Spectral Lines in Nonequlibrium Plasmas. , 2008, , .		0
38	Experimental and Theoretical Analysis of Central H[sub Î²] Asymmetry. , 2008, , .		0
39	M-Shell Dielectronic Recombination: Theoretical Study. , 2009, , .		0