Milivoje R Ivkovic

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9298278/publications.pdf

Version: 2024-02-01

32	667	840776 11	552781 26
papers	citations	h-index	g-index

32	32	32	609
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen Balmer lines for low electron number density plasma diagnostics. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 16-26.	2.9	155
2	Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 591-605.	2.9	84
3	Spectroscopic diagnostics of laser-induced plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 593-602.	2.9	82
4	A program for the evaluation of electron number density from experimental hydrogen balmer beta line profiles. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 987-998.	2.9	42
5	Parametric study of an atmospheric pressure microwave-induced plasma of the mini MIP torch â€" I. Two-dimensional spatially resolved electron-number density measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1879-1893.	2.9	33
6	Development and Testing of a Self-Triggered Spark Reactor for Plasma Driven Dry Reforming of Methane. Plasma Processes and Polymers, 2014, 11, 787-797.	3.0	30
7	Excessive Balmer line broadening in microwave-induced discharges. Journal of Applied Physics, 2004, 95, 24-29.	2.5	27
8	Influence of ion dynamics on the width and shift of isolated He i lines in plasmas. II. Physical Review E, 1995, 51, 4891-4896.	2.1	26
9	Stark width and shift for electron number density diagnostics of low temperature plasma: Application to silicon Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 79-92.	2.9	26
10	Hydrogen Balmer beta: The separation between line peaks for plasma electron density diagnostics and self-absorption test. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 1-8.	2.3	22
11	A simple line shape technique for electron number density diagnostics of helium and helium-seeded plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 234-240.	2.9	20
12	Optical emission spectroscopy for simultaneous measurement of plasma electron density and temperature in a low-pressure microwave induced plasma. Physics of Plasmas, 2009, 16, .	1.9	15
13	Parametric study of an atmospheric pressure microwave-induced plasma of the mini MIP torch â€" II. Two-dimensional spatially resolved excitation temperature measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 2419-2428.	2.9	11
14	Plasma diagnostics using the Heâ€‰I 447.1â€‰nm line at high and low densities. Journal Physics D: Applied Physics, 2011, 44, 194010.	2.8	10
15	Spectroscopic study of hydrogen Balmer lines in a microwave-induced discharge. Journal of Applied Physics, 2009, 105, .	2.5	9
16	Spatial and Temporal Characteristics of Laser Ablation Combined With Fast Pulse Discharge. IEEE Transactions on Plasma Science, 2014, 42, 2598-2599.	1.3	9
17	Laser ablation initiated fast discharge for spectrochemical applications. Hemijska Industrija, 2014, 68, 381-388.	0.7	9
18	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

#	Article	IF	Citations
19	Experimental study of the influence of ion-dynamics to the shape of He IIPÎ±andPÎ²lines. Physica Scripta, 1995, 52, 178-183.	2.5	7
20	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: Atomic, Molecular and Optical Physics, 2006, 39, 1773-1785.	1.5	7
21	Stark broadening of the He I 492.2 nm line with forbidden components in dense low-temperature plasma. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 127, 82-89.	2.3	7
22	Inhomogeneity in laboratory plasma discharges and Stark shift measurement. Astrophysics and Space Science, 2016, 361, 1.	1.4	6
23	On the Stark broadening of Ne I lines and quasi-static versus ion impact approximation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1249-1259.	1.5	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	The discharge for plasma Stark shift measurement and results for He I 706.522 nm line. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 161, 197-202.	2.3	4
26	Stark shift of neutral helium lines in low temperature dense plasma and the influence of Debye shielding. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2969-2979.	4.4	3
27	Semiclassical calculations of stark broadening parameters of He I lines revisited. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 278-287.	2.3	3
28	PSâ€NH₂ + PMMAâ€COOH blend: A promising substrate material for the deposition of densely packed gold nanoparticles. Physica Status Solidi - Rapid Research Letters, 2010, 4, 85-87.	2.4	2
29	Optical Emission Spectroscopic Techniques for Low Electron Density Diagnostics. AIP Conference Proceedings, 2006, , .	0.4	0
30	Separation between Allowed and Forbidden Component of the He I 447 nm Line in High Electron Density Plasma. , 2008, , .		0
31	Contemporary laser techniques, general application in heritology and case of building in 7 Balkanska street, Belgrade. Materials Protection, 2020, 61, 275-285.	0.9	0
32	Diagnostics of laser-induced plasma from a thin film of oil on a silica wafer. Journal of the Serbian Chemical Society, 2023, 88, 153-167.	0.8	0