

# Milivoje R Ivkovic

## List of Publications by Year in descending order

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32  
papers

667  
citations

840776

11  
h-index

552781

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

609  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Inhomogeneity in laboratory plasma discharges and Stark shift measurement. Astrophysics and Space Science, 2016, 361, 1.	1.4	6
6	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
7	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
8	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
9	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
10	Spatial and Temporal Characteristics of Laser Ablation Combined With Fast Pulse Discharge. IEEE Transactions on Plasma Science, 2014, 42, 2598-2599.	1.3	9
11	Laser ablation initiated fast discharge for spectrochemical applications. Hemijska Industrija, 2014, 68, 381-388.	0.7	9
12	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
13	Hydrogen Balmer lines for low electron number density plasma diagnostics. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 16-26.	2.9	155
14	Plasma diagnostics using the He I 447.1 nm line at high and low densities. Journal Physics D: Applied Physics, 2011, 44, 194010.	2.8	10
15	PS <sub>2</sub> + PMMA-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
16	Spectroscopic diagnostics of laser-induced plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 593-602.	2.9	82
17	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
18	Stark broadening of the hydrogen H <sup>β</sup> spectral line at moderately low plasma electron densities. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 990-996.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Spectroscopic study of hydrogen Balmer lines in a microwave-induced discharge. Journal of Applied Physics, 2009, 105, .	2.5	9
20	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
21	Separation between Allowed and Forbidden Component of the He I 447 nm Line in High Electron Density Plasma. , 2008, , .		0
22	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
23	Optical Emission Spectroscopic Techniques for Low Electron Density Diagnostics. AIP Conference Proceedings, 2006, , .	0.4	0
24	Stark broadening of $3s^3P \rightarrow 3p^3D$ and $3p^3D \rightarrow 3d^3F$ transitions along carbon isoelectronic sequences of ions revisited. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 715-728.	1.5	8
25	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
26	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
27	Excessive Balmer line broadening in microwave-induced discharges. Journal of Applied Physics, 2004, 95, 24-29.	2.5	27
28	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
29	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
30	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
31	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
32	Experimental study of the influence of ion-dynamics to the shape of He I $P^1_1$ and $P^1_2$ lines. Physica Scripta, 1995, 52, 178-183.	2.5	7