

# Vladimir Milosavljevic

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

763  
citations

623188

14  
h-index

525886

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-pressure plasma modification of the rheological properties of tapioca starch. Food Hydrocolloids, 2022, 125, 107380.	5.6	27
2	Electrical characterization of the new generation of pulse resonance atmospheric plasma systems. International Journal of Energy Research, 2022, 46, 6337-6350.	2.2	0
3	Characterization of plasma chemistry for an optimized pulse resonance atmospheric-pressure plasma system. Europhysics Letters, 2021, 133, 43002.	0.7	1
4	Cold Atmospheric Plasma induces accumulation of lysosomes and caspase-independent cell death in U373MG glioblastoma multiforme cells. Scientific Reports, 2019, 9, 12891.	1.6	36
5	Diagnostics of plasma reactive species and induced chemistry of plasma treated foods. Critical Reviews in Food Science and Nutrition, 2019, 59, 812-825.	5.4	32
6	Impact of plasma treatment on acoustic properties of natural cellulose materials. Cellulose, 2019, 26, 6543-6554.	2.4	7
7	Translation of plasma technology from the lab to the food industry. Plasma Processes and Polymers, 2018, 15, 1700085.	1.6	114
8	Significance of a Non-Thermal Plasma Treatment on LDPE Biodegradation with Pseudomonas Aeruginosa. Materials, 2018, 11, 1925.	1.3	21
9	Spectroscopic study of excited molecular nitrogen generation due to interactions of metastable noble gas atoms. Plasma Processes and Polymers, 2018, 15, 1800018.	1.6	6
10	Impact of plasma jet geometry on residence times of radical species. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	0.9	3
11	Evaluation of a reel-to-reel atmospheric plasma system for the treatment of polymers. Surfaces and Interfaces, 2017, 6, 162-169.	1.5	4
12	Evaluation of the Effect of Plasma Treatment Frequency on the Activation of Polymer Particles. Plasma Chemistry and Plasma Processing, 2017, 37, 1223-1235.	1.1	14
13	Impact of atmospheric pressure nonequilibrium plasma discharge on polymer surface metrology. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	0.9	6
14	Optimization of atmospheric air plasma for degradation of organic dyes in wastewater. Water Science and Technology, 2017, 75, 207-219.	1.2	29
15	Spectroscopic investigation of a dielectric barrier discharge in modified atmosphere packaging. EPJ Applied Physics, 2017, 80, 20801.	0.3	10
16	Investigation of a scalable barrel atmospheric plasma reactor for the treatment of polymer particles. Surface and Coatings Technology, 2016, 308, 435-441.	2.2	13
17	Pesticide degradation in water using atmospheric air cold plasma. Journal of Water Process Engineering, 2016, 9, 225-232.	2.6	165
18	Non-thermal atmospheric plasma induces ROS-independent cell death in U373MG glioma cells and augments the cytotoxicity of temozolomide. British Journal of Cancer, 2016, 114, 435-443.	2.9	74

#	ARTICLE	IF	CITATIONS
19	Quantitative Assessment of Blood Coagulation by Cold Atmospheric Plasma. Plasma Medicine, 2014, 4, 153-163.	0.2	31
20	Inducing a Dielectric Barrier Discharge Plasma Within a Package. IEEE Transactions on Plasma Science, 2014, 42, 2368-2369.	0.6	16
21	Importance of Plasma Thermal Energy Transfer for Plasma Jet Systems. IEEE Transactions on Plasma Science, 2014, 42, 2426-2427.	0.6	8
22	Diagnostics of an O <sub>2</sub> He RF Atmospheric Plasma Discharge by Spectral Emission. Journal of the Physical Society of Japan, 2014, 83, 014501.	0.7	22
23	Activation of PET Using an RF Atmospheric Plasma System. Plasma Chemistry and Plasma Processing, 2013, 33, 941-957.	1.1	34
24	Phase-resolved optical emission spectroscopy for an electron cyclotron resonance etcher. Journal of Applied Physics, 2013, 113, 163302.	1.1	8
25	Influence of self-absorption on plasma diagnostics by emission spectral lines. Optics Express, 2012, 20, 12699.	1.7	30
26	Generation of Active Species in a Large Atmospheric-Pressure Plasma Jet. IEEE Transactions on Plasma Science, 2012, 40, 2994-3002.	0.6	29
27	Influence of Gas Type on the Thermal Efficiency of Microwave Plasmas for the Sintering of Metal Powders. Plasma Chemistry and Plasma Processing, 2011, 31, 771-785.	1.1	8
28	Method for Estimation of Electron Density in a Pulse Plasma Source. Journal of the Physical Society of Japan, 2009, 78, 084501.	0.7	3
29	Real time sensor for monitoring oxygen in radio-frequency plasma applications. Optics Express, 2007, 15, 13913.	1.7	9
30	MEASURED AND CALCULATED STARK PARAMETERS FOR SEVERAL AR I SPECTRAL LINES. High Temperature Material Processes, 2003, 7, 525-534.	0.2	3
31	Stark widths and shifts of the Kr III spectral lines. AIP Conference Proceedings, 2001, , .	0.3	0