Vladimir Milosavljevic

List of Publications by Year
in descending order

31 papers	763 citations	623574 14 h-index	526166 27 g-index
31 all docs	31 docs citations	31 times ranked	945 citing authors

#	Article	IF	Citations
1	Pesticide degradation in water using atmospheric air cold plasma. Journal of Water Process Engineering, 2016, 9, 225-232.	2.6	165
2	Translation of plasma technology from the lab to the food industry. Plasma Processes and Polymers, 2018, 15, 1700085.	1.6	114
3	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
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	Activation of PET Using an RF Atmospheric Plasma System. Plasma Chemistry and Plasma Processing, 2013, 33, 941-957.	1.1	34
6	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
7	Quantitative Assessment of Blood Coagulation by Cold Atmospheric Plasma. Plasma Medicine, 2014, 4, 153-163.	0.2	31
8	Influence of self-absorption on plasma diagnostics by emission spectral lines. Optics Express, 2012, 20, 12699.	1.7	30
9	Generation of Active Species in a Large Atmospheric-Pressure Plasma Jet. IEEE Transactions on Plasma Science, 2012, 40, 2994-3002.	0.6	29
10	Optimization of atmospheric air plasma for degradation of organic dyes in wastewater. Water Science and Technology, 2017, 75, 207-219.	1.2	29
11	Low-pressure plasma modification of the rheological properties of tapioca starch. Food Hydrocolloids, 2022, 125, 107380.	5.6	27
12	Diagnostics of an O₂â€“He RF Atmospheric Plasma Discharge by Spectral Emission. Journal of the Physical Society of Japan, 2014, 83, 014501.	0.7	22
13	Significance of a Non-Thermal Plasma Treatment on LDPE Biodegradation with Pseudomonas Aeruginosa. Materials, 2018, 11, 1925.	1.3	21
14	Inducing a Dielectric Barrier Discharge Plasma Within a Package. IEEE Transactions on Plasma Science, 2014, 42, 2368-2369.	0.6	16
15	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
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	Spectroscopic investigation of a dielectric barrier discharge in modified atmosphere packaging. EPJ Applied Physics, 2017, 80, 20801.	0.3	10
18	Real time sensor for monitoring oxygen in radioâ€“frequency plasma applications. Optics Express, 2007, 15, 13913.	1.7	9

#	Article	IF	Citations
19	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
20	Phase-resolved optical emission spectroscopy for an electron cyclotron resonance etcher. Journal of Applied Physics, 2013, 113, 163302.	1.1	8
21	Importance of Plasma Thermal Energy Transfer for Plasma Jet Systems. IEEE Transactions on Plasma Science, 2014, 42, 2426-2427.	0.6	8
22	Impact of plasma treatment on acoustic properties of natural cellulose materials. Cellulose, 2019, 26, 6543-6554.	2.4	7
23	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
24	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
25	Evaluation of a reel-to-reel atmospheric plasma system for the treatment of polymers. Surfaces and Interfaces, 2017, 6, 162-169.	1.5	4
26	Method for Estimation of Electron Density in a Pulse Plasma Source. Journal of the Physical Society of Japan, 2009, 78, 084501.	0.7	3
27	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
28	MEASURED AND CALCULATED STARK PARAMETERS FOR SEVERAL AR I SPECTRAL LINES. High Temperature Material Processes, 2003, 7, 525-534.	0.2	3
29	Characterization of plasma chemistry for an optimized pulse resonance atmospheric-pressure plasma system. Europhysics Letters, 2021, 133, 43002.	0.7	1
30	Stark widths and shifts of the Kr III spectral lines. AIP Conference Proceedings, 2001, , .	0.3	0
31	Electrical characterization of the new generation of pulse resonance atmospheric plasma systems. International Journal of Energy Research, 2022, 46, 6337-6350.	2.2	0