

Nevena Puac

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,135
citations

394421

19
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

1360
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of laser induced breakdown spectroscopy and fast ICCD imaging for spatial and time resolved measurements of atmospheric pressure helium plasma jet. <i>Plasma Sources Science and Technology</i> , 2022, 31, 025011.	3.1	3
2	Direct and Indirect Treatment of Organic Dye (Acid Blue 25) Solutions by Using Cold Atmospheric Plasma Jet. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	7
3	Treatment of Chrysanthemum Synthetic Seeds by Air SDBD Plasma. <i>Plants</i> , 2022, 11, 907.	3.5	6
4	A comparison of power measurement techniques and electrical characterization of an atmospheric pressure plasma jet. <i>Plasma Science and Technology</i> , 2022, 24, 105404.	1.5	4
5	Plasma-Activated Medium Potentiates the Immunogenicity of Tumor Cell Lysates for Dendritic Cell-Based Cancer Vaccines. <i>Cancers</i> , 2021, 13, 1626.	3.7	28
6	Rehydration Process in Rustyback Fern (<i>Asplenium ceterach</i> L.): Profiling of Volatile Organic Compounds. <i>Biology</i> , 2021, 10, 574.	2.8	3
7	Application of Fragrance Microcapsules onto Cotton Fabric after Treatment with Oxygen and Nitrogen Plasma. <i>Coatings</i> , 2021, 11, 1181.	2.6	9
8	Effects of non-thermal atmospheric plasma on dentin wetting and adhesive bonding efficiency: Systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2021, 112, 103765.	4.1	3
9	Cold atmospheric plasma technology for removal of organic micropollutants from wastewater—a review. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	21
10	Reactive nitrogen species in plasma-activated water: generation, chemistry and application in agriculture. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 223001.	2.8	139
11	Effects of non-thermal atmospheric plasma treatment on dentin wetting and surface free energy for application of universal adhesives. <i>Clinical Oral Investigations</i> , 2019, 23, 1383-1396.	3.0	18
12	Effect of Atmospheric Cold Plasma Treatments on Reduction of Alternaria Toxins Content in Wheat Flour. <i>Toxins</i> , 2019, 11, 704.	3.4	17
13	Apoptosis Time Window Induced by Cold Atmospheric Plasma: Comparison with Ionizing Radiation. <i>Current Science</i> , 2019, 116, 1229.	0.8	4
14	Destruction of chemical warfare surrogates using a portable atmospheric pressure plasma jet. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	21
15	Activity of catalase enzyme in <i>Paulownia tomentosa</i> seeds during the process of germination after treatments with low pressure plasma and plasma activated water. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700082.	3.0	42
16	Plasma agriculture: A rapidly emerging field. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700174.	3.0	174
17	Characterisation of a multijet plasma device by means of mass spectrometric detection and iCCD imaging. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 484004.	2.8	11
18	The influence of electrode configuration on light emission profiles and electrical characteristics of an atmospheric-pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 145202.	2.8	30

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19	Mass spectrometry of diffuse coplanar surface barrier discharge: influence of discharge frequency and oxygen content in N ₂ /O ₂ mixture*. European Physical Journal D, 2017, 71, 1.	1.3	10
20	Electrical and optical characterization of an atmospheric pressure, uniform, large-area processing, dielectric barrier discharge. Journal Physics D: Applied Physics, 2017, 50, 135204.	2.8	15
21	Plasma treated polyethylene terephthalate for increased embedment of UV-responsive microcapsules. Applied Surface Science, 2017, 419, 224-234.	6.1	23
22	Plasma effects on the bacteria Escherichia colivia two evaluation methods. Plasma Science and Technology, 2017, 19, 075504.	1.5	5
23	Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. Open Chemistry, 2015, 13, .	1.9	21
24	Production of active oxygen species in low pressure CCP used for sterilization of commercial seeds. , 2015, , .		0
25	Mass spectroscopy and ICCD analysis of coupled and uncoupled mode in a Gatling-gun like plasma source. , 2015, , .		0
26	Practical and theoretical considerations on the use of ICCD imaging for the characterization of non-equilibrium plasmas. Plasma Sources Science and Technology, 2015, 24, 064004.	3.1	33
27	Effect of dissipated power due to antenna resistive heating on E- to H-mode transition in inductively coupled oxygen plasma. Indian Journal of Physics, 2015, 89, 635-640.	1.8	0
28	Inhibition of methicillin resistant Staphylococcus aureus by a plasma needle. Open Physics, 2014, 12, .	1.7	7
29	Plasma induced DNA damage: Comparison with the effects of ionizing radiation. Applied Physics Letters, 2014, 105, 124101.	3.3	30
30	Long and short term effects of plasma treatment on meristematic plant cells. Applied Physics Letters, 2014, 104, .	3.3	35
31	Plasma properties in a large-volume, cylindrical and asymmetric radio-frequency capacitively coupled industrial-prototype reactor. Journal Physics D: Applied Physics, 2013, 46, 075201.	2.8	7
32	Effects of non-thermal atmospheric plasma on human periodontal ligament mesenchymal stem cells. Journal Physics D: Applied Physics, 2013, 46, 345401.	2.8	41
33	Characterization and global modelling of low-pressure hydrogen-based RF plasmas suitable for surface cleaning processes. Journal Physics D: Applied Physics, 2013, 46, 475206.	2.8	23
34	The impact of educational reform and categorization of scientific journals and scientists on physics in Serbia. AIP Conference Proceedings, 2013, , .	0.4	1
35	Application of non-equilibrium plasmas in medicine. Journal of the Serbian Chemical Society, 2012, 77, 1689-1699.	0.8	4
36	Detection of atomic oxygen and nitrogen created in a radio-frequency-driven micro-scale atmospheric pressure plasma jet using mass spectrometry. Plasma Physics and Controlled Fusion, 2012, 54, 124046.	2.1	31

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37	On Application of Plasmas in Nanotechnologies. <i>Nanostructure Science and Technology</i> , 2010, , 85-130.	0.1	5
38	The effect of a plasma needle on bacteria in planktonic samples and on peripheral blood mesenchymal stem cells. <i>New Journal of Physics</i> , 2010, 12, 083037.	2.9	47
39	Improved Properties of Oxygen and Argon RF Plasma-Activated Polyester Fabrics Loaded with TiO ₂ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1700-1706.	8.0	45
40	Removal of metal cations from wastewater using recycled wool-based non-woven material. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 605-614.	0.8	9
41	Measurements of voltage–current characteristics of a plasma needle and its effect on plant cells. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 3514-3519.	2.8	47
42	The stimulatory effect of non-equilibrium (low temperature) air plasma pretreatment on light-induced germination of <i>Paulownia tomentosa</i> seeds. <i>Seed Science and Technology</i> , 2004, 32, 693-701.	1.4	68