Nevena Puac

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7728067/publications.pdf

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42	1,135	394286	395590
papers	citations	19	33
		h-index	g-index

45	45	45	1360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasma agriculture: A rapidly emerging field. Plasma Processes and Polymers, 2018, 15, 1700174.	1.6	174
2	Reactive nitrogen species in plasma-activated water: generation, chemistry and application in agriculture. Journal Physics D: Applied Physics, 2020, 53, 223001.	1.3	139
3	The stimulatory effect of non-equilibrium (low temperature) air plasma pretreatment on light-induced germination of Paulownia tomentosa seeds. Seed Science and Technology, 2004, 32, 693-701.	0.6	68
4	Measurements of voltageâ€“current characteristics of a plasma needle and its effect on plant cells. Journal Physics D: Applied Physics, 2006, 39, 3514-3519.	1.3	47
5	The effect of a plasma needle on bacteria in planktonic samples and on peripheral blood mesenchymal stem cells. New Journal of Physics, 2010, 12, 083037.	1.2	47
6	Improved Properties of Oxygen and Argon RF Plasma-Activated Polyester Fabrics Loaded with TiO₂ Nanoparticles. ACS Applied Materials & Interfaces, 2010, 2, 1700-1706.	4.0	45
7	Activity of catalase enzyme in Paulownia tomentosa seeds during the process of germination after treatments with low pressure plasma and plasma activated water. Plasma Processes and Polymers, 2018, 15, 1700082.	1.6	42
8	Effects of non-thermal atmospheric plasma on human periodontal ligament mesenchymal stem cells. Journal Physics D: Applied Physics, 2013, 46, 345401.	1.3	41
9	Long and short term effects of plasma treatment on meristematic plant cells. Applied Physics Letters, 2014, 104, .	1.5	35
10	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.	1.3	33
11	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.	0.9	31
12	Plasma induced DNA damage: Comparison with the effects of ionizing radiation. Applied Physics Letters, 2014, 105, 124101.	1.5	30
13	The influence of electrode configuration on light emission profiles and electrical characteristics of an atmospheric-pressure plasma jet. Journal Physics D: Applied Physics, 2017, 50, 145202.	1.3	30
14	Plasma-Activated Medium Potentiates the Immunogenicity of Tumor Cell Lysates for Dendritic Cell-Based Cancer Vaccines. Cancers, 2021, 13, 1626.	1.7	28
15	Characterization and global modelling of low-pressure hydrogen-based RF plasmas suitable for surface cleaning processes. Journal Physics D: Applied Physics, 2013, 46, 475206.	1.3	23
16	Plasma treated polyethylene terephthalate for increased embedment of UV-responsive microcapsules. Applied Surface Science, 2017, 419, 224-234.	3.1	23
17	Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. Open Chemistry, 2015, 13, .	1.0	21
18	Destruction of chemical warfare surrogates using a portable atmospheric pressure plasma jet. European Physical Journal D, 2018, 72, 1.	0.6	21

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19	Cold atmospheric plasma technology for removal of organic micropollutants from wastewaterâ€"a review. European Physical Journal D, 2021, 75, 1.	0.6	21
20	Effects of non-thermal atmospheric plasma treatment on dentin wetting and surface free energy for application of universal adhesives. Clinical Oral Investigations, 2019, 23, 1383-1396.	1.4	18
21	Effect of Atmospheric Cold Plasma Treatments on Reduction of Alternaria Toxins Content in Wheat Flour. Toxins, 2019, 11, 704.	1.5	17
22	Electrical and optical characterization of an atmospheric pressure, uniform, large-area processing, dielectric barrier discharge. Journal Physics D: Applied Physics, 2017, 50, 135204.	1.3	15
23	Characterisation of a multijet plasma device by means of mass spectrometric detection and iCCD imaging. Journal Physics D: Applied Physics, 2018, 51, 484004.	1.3	11
24	Mass spectrometry of diffuse coplanar surface barrier discharge: influence of discharge frequency and oxygen content in N2/O2 mixture*. European Physical Journal D, 2017, 71, 1.	0.6	10
25	Removal of metal cations from wastewater using recycled wool-based non-woven material. Journal of the Serbian Chemical Society, 2007, 72, 605-614.	0.4	9
26	Application of Fragrance Microcapsules onto Cotton Fabric after Treatment with Oxygen and Nitrogen Plasma. Coatings, 2021, 11, 1181.	1.2	9
27	Plasma properties in a large-volume, cylindrical and asymmetric radio-frequency capacitively coupled industrial-prototype reactor. Journal Physics D: Applied Physics, 2013, 46, 075201.	1.3	7
28	Inhibition of methicillin resistant Staphylococcus aureus by a plasma needle. Open Physics, 2014, 12, .	0.8	7
29	Direct and Indirect Treatment of Organic Dye (Acid Blue 25) Solutions by Using Cold Atmospheric Plasma Jet. Frontiers in Physics, 2022, 10, .	1.0	7
30	Treatment of Chrysanthemum Synthetic Seeds by Air SDBD Plasma. Plants, 2022, 11, 907.	1.6	6
31	On Application of Plasmas in Nanotechnologies. Nanostructure Science and Technology, 2010, , 85-130.	0.1	5
32	Plasma effects on the bacteriaEscherichia colivia two evaluation methods. Plasma Science and Technology, 2017, 19, 075504.	0.7	5
33	Application of non-equilibrium plasmas in medicine. Journal of the Serbian Chemical Society, 2012, 77, 1689-1699.	0.4	4
34	Apoptosis Time Window Induced by Cold Atmospheric Plasma:Comparison with Ionizing Radiation. Current Science, 2019, 116, 1229.	0.4	4
35	A comparison of power measurement techniques and electrical characterization of an atmospheric pressure plasma jet. Plasma Science and Technology, 2022, 24, 105404.	0.7	4
36	Rehydration Process in Rustyback Fern (Asplenium ceterach L.): Profiling of Volatile Organic Compounds. Biology, 2021, 10, 574.	1.3	3

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37	Effects of non-thermal atmospheric plasma on dentin wetting and adhesive bonding efficiency: Systematic review and meta-analysis. Journal of Dentistry, 2021, 112, 103765.	1.7	3
38	Comparison of laser induced breakdown spectroscopy and fast ICCD imaging for spatial and time resolved measurements of atmospheric pressure helium plasma jet. Plasma Sources Science and Technology, 2022, 31, 025011.	1.3	3
39	The impact of educational reform and categorization of scientific journals and scientists on physics in Serbia. AIP Conference Proceedings, 2013, , .	0.3	1
40	Production of active oxygen species in low pressure CCP used for sterilization of commercial seeds. , 2015, , .		0
41	Mass spectroscopy and ICCD analysis of coupled and uncoupled mode in a Gatling-gun like plasma source. , 2015, , .		0
42	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.	0.9	0