

Navaneetha Pandiyaraj K

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

590
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of isothiazolinâ€³â€³oneâ€™s from an aqueous solution via a multiâ€³pin nonthermal atmospheric pressure plasma and its toxicity analysis. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	1
2	Degradation and Detoxification of Remazol Blue Contaminants as a Model Textile Effluent via Advanced Nonthermal Plasma Oxidation Processes. <i>IEEE Transactions on Plasma Science</i> , 2022, , 1-9.	1.3	1
3	Combinatorial effects of non-thermal plasma oxidation processes and photocatalytic activity on the inactivation of bacteria and degradation of toxic compounds in wastewater. <i>RSC Advances</i> , 2022, 12, 14246-14259.	3.6	5
4	Guest Editorial Special Issue on Plenary, Invited, and Selected Papers From the Second International Conference on Advances in Plasma Science and Technology (ICAPST-21). <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 1380-1381.	1.3	0
5	Dye wastewater degradation by the synergetic effect of an atmospheric pressure plasma treatment and the photocatalytic activity of plasma-functionalized Cuâ€³TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2021, 405, 124264.	12.4	40
6	Improved degradation of textile effluents via the synergetic effects of Cu-CeO ₂ catalysis and non-thermal atmospheric pressure plasma treatment. <i>Separation and Purification Technology</i> , 2021, 258, 118037.	7.9	12
7	Silica-free zirconia from zircon mineral by thermal plasma processing. <i>Materials and Manufacturing Processes</i> , 2021, 36, 188-199.	4.7	2
8	Degradation of simulated Direct Orange-S (DO-S) textile effluent using nonthermal atmospheric pressure plasma jet. <i>Environmental Geochemistry and Health</i> , 2021, 43, 649-662.	3.4	13
9	Evaluation of influence of cold atmospheric pressure argon plasma operating parameters on degradation of aqueous solution of Reactive Blue 198 (RB-198). <i>Plasma Science and Technology</i> , 2020, 22, 055504.	1.5	7
10	Non-equilibrium atmospheric pressure plasma assisted degradation of the pharmaceutical drug valsartan: influence of catalyst and degradation environment. <i>RSC Advances</i> , 2020, 10, 35709-35717.	3.6	5
11	Synergetic effect of the catalytic action of plasma jet deposited TiO _x coatings and atmospheric pressure plasma treatment on the degradation of RYRR. <i>Surface and Coatings Technology</i> , 2020, 389, 125642.	4.8	11
12	Development of phosphor containing functional coatings via cold atmospheric pressure plasma jet - Study of various operating parameters. <i>Applied Surface Science</i> , 2019, 488, 343-350.	6.1	8
13	Effect of processing parameters on the deposition of SiO _x -like coatings on the surface of polypropylene films using glow discharge plasma assisted polymerization for tissue engineering applications. <i>Vacuum</i> , 2017, 143, 412-422.	3.5	9
14	Low-pressure plasma enhanced immobilization of chitosan on low-density polyethylene for bio-medical applications. <i>Applied Surface Science</i> , 2015, 328, 1-12.	6.1	41
15	Influence of operating parameters on surface properties of RF glow discharge oxygen plasma treated TiO ₂ /PET film for biomedical application. <i>Materials Science and Engineering C</i> , 2014, 36, 309-319.	7.3	32
16	Influence of non-thermal plasma forming gases on improvement of surface properties of low density polyethylene (LDPE). <i>Applied Surface Science</i> , 2014, 307, 109-119.	6.1	38
17	Influence of thermal oxidation on surface and thermo-mechanical properties of polyethylene. <i>Journal of Polymer Research</i> , 2011, 18, 2175-2184.	2.4	65
18	Modification of surface properties of polypropylene (PP) film using DC glow discharge air plasma. <i>Applied Surface Science</i> , 2009, 255, 3965-3971.	6.1	127

#	ARTICLE	IF	CITATIONS
19	Adhesive properties of polypropylene (PP) and polyethylene terephthalate (PET) film surfaces treated by DC glow discharge plasma. Vacuum, 2008, 83, 332-339.	3.5	171
20	Investigation on Surface and Biological Properties of Silver Containing Diamond Like Carbon Films on Polyethylene Terephthalate Film Surface by Hybrid Reactive Sputtering Method. Key Engineering Materials, 0, 521, 191-205.	0.4	2