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	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
2	Modification of surface properties of polypropylene (PP) film using DC glow discharge air plasma. Applied Surface Science, 2009, 255, 3965-3971.	6.1	127
3	Influence of thermal oxidation on surface and thermo-mechanical properties of polyethylene. Journal of Polymer Research, 2011, 18, 2175-2184.	2.4	65
4	Low-pressure plasma enhanced immobilization of chitosan on low-density polyethylene for bio-medical applications. Applied Surface Science, 2015, 328, 1-12.	6.1	41
5	Dye wastewater degradation by the synergetic effect of an atmospheric pressure plasma treatment and the photocatalytic activity of plasma-functionalized Cuâ€'TiO2 nanoparticles. Journal of Hazardous Materials, 2021, 405, 124264.	12.4	40
6	Influence of non-thermal plasma forming gases on improvement of surface properties of low density polyethylene (LDPE). Applied Surface Science, 2014, 307, 109-119.	6.1	38
7	Influence of operating parameters on surface properties of RF glow discharge oxygen plasma treated TiO2/PET film for biomedical application. Materials Science and Engineering C, 2014, 36, 309-319.	7.3	32
8	Degradation of simulated Direct Orange-S (DO-S) textile effluent using nonthermal atmospheric pressure plasma jet. Environmental Geochemistry and Health, 2021, 43, 649-662.	3.4	13
9	Improved degradation of textile effluents via the synergetic effects of Cu-CeO2 catalysis and non-thermal atmospheric pressure plasma treatment. Separation and Purification Technology, 2021, 258, 118037.	7.9	12
10	Synergetic effect of the catalytic action of plasma jet deposited TiOx coatings and atmospheric pressure plasma treatment on the degradation of RYRR. Surface and Coatings Technology, 2020, 389, 125642.	4.8	11
11	Effect of processing parameters on the deposition of SiOx-like coatings on the surface of polypropylene films using glow discharge plasma assisted polymerization for tissue engineering applications. Vacuum, 2017, 143, 412-422.	3.5	9
12	Development of phosphor containing functional coatings via cold atmospheric pressure plasma jet - Study of various operating parameters. Applied Surface Science, 2019, 488, 343-350.	6.1	8
13	Evaluation of influence of cold atmospheric pressure argon plasma operating parameters on degradation of aqueous solution of Reactive Blue 198 (RB-198). Plasma Science and Technology, 2020, 22, 055504.	1.5	7
14	Non-equilibrium atmospheric pressure plasma assisted degradation of the pharmaceutical drug valsartan: influence of catalyst and degradation environment. RSC Advances, 2020, 10, 35709-35717.	3.6	5
15	Combinatorial effects of non-thermal plasma oxidation processes and photocatalytic activity on the inactivation of bacteria and degradation of toxic compounds in wastewater. RSC Advances, 2022, 12, 14246-14259.	3.6	5
16	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
17	Silica-free zirconia from zircon mineral by thermal plasma processing. Materials and Manufacturing Processes, 2021, 36, 188-199.	4.7	2
18	Degradation of isothiazolinâ€3â€oneâ€™s from an aqueous solution via a multiâ€pin nonthermal atmospheric pressure plasma and its toxicity analysis. Journal of Food Processing and Preservation, 2022, 46, .	2.0	1

#	Article	IF	Citations
19	Degradation and Detoxification of Remazol Blue Contaminants as a Model Textile Effluent via Advanced Nonthermal Plasma Oxidation Processes. IEEE Transactions on Plasma Science, 2022, , 1-9.	1.3	1
20	Guest Editorial Special Issue on Plenary, Invited, and Selected Papers From the Second International Conference on Advances in Plasma Science and Technology (ICAPST-21). IEEE Transactions on Plasma Science, 2022, 50, 1380-1381.	1.3	0