

Vijayakumar R P

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Functionalization of unzipped multi-walled carbon nanotube oxides with α -tyrosine for the adsorption of methylene blue. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 1199-1206.	1.0	4
2	Influence of nitric acid on biodegradation of polystyrene and low-density polyethylene by <i>Cephalosporium</i> species. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	3
3	Synthesis of unzipped multi-walled carbon nanotube oxides coated polyurethane foam and its application in wastewater treatment. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 375-385.	1.0	2
4	Influence of carbon nanotubes on the properties of biopolyol based polyurethane foams. <i>Frontiers in Forests and Global Change</i> , 2021, 40, 73-86.	0.6	1
5	Synergistic effect of UV and chemical treatment on biological degradation of Polystyrene by <i>Cephalosporium</i> strain NCIM 1251. <i>Archives of Microbiology</i> , 2021, 203, 2183-2191.	1.0	23
6	Synergistic effect of UV, thermal, and chemical treatment on biological degradation of low-density polyethylene (LDPE) by <i>Thermomyces lanuginosus</i> . <i>Environmental Monitoring and Assessment</i> , 2021, 193, 513.	1.3	8
7	Studies on biological degradation of polystyrene by pure fungal cultures. <i>Environment, Development and Sustainability</i> , 2020, 22, 4495-4508.	2.7	59
8	Effect of chemical treatment on biological degradation of high-density polyethylene (HDPE). <i>Environment, Development and Sustainability</i> , 2020, 22, 1093-1104.	2.7	32
9	Synthesis of UMCNO-cotton fabric and its application in waste water treatment. <i>Cellulose</i> , 2020, 27, 969-980.	2.4	5
10	EXPERIMENTAL STUDY ON STEADY DYNAMIC FRICTION OF MWCNTs MIXED LUBRICANTS. <i>Surface Review and Letters</i> , 2020, 27, 1950172.	0.5	1
11	Synthesis of polystyrene/starch/CNT composite and study on its biodegradability. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	18
12	Synthesis of MWCNTs using waste toner powder as carbon source by chemical vapor deposition method. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 864-872.	1.0	11
13	Thermal, mechanical and morphological study of carbon nanotubes-graphene oxide and silver nanoparticles based polyurethane composites. <i>Materials Research Express</i> , 2019, 6, 085308.	0.8	10
14	Synthesis of UMCNOs from MWCNTs and analysis of its structure and properties for wastewater treatment applications. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1989-2000.	1.6	6
15	The Effect of Carbon Nanotubes Based Nanolubricant on Stick-Slip Behavior. <i>Transactions of the Indian Institute of Metals</i> , 2018, 71, 1061-1065.	0.7	7
16	Production of liquid hydrocarbons, carbon nanotubes and hydrogen rich gases from waste plastic in a multi-core reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 83-90.	2.6	26
17	Processing of mixed-plastic waste to fuel oil, carbon nanotubes and hydrogen using multi-core reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 121, 205-214.	1.8	21
18	Adsorptive Removal of Diuron Herbicide on Carbon Nanotubes Synthesized from Plastic Waste. <i>Journal of Polymers and the Environment</i> , 2017, 25, 165-175.	2.4	30

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19	Synthesis of fuel oil and carbon nanotubes in an autoclave using plastic waste as precursor. <i>Materials and Manufacturing Processes</i> , 2017, 32, 495-500.	2.7	14
20	Conversion of plastic waste into CNTs using Ni/Mo/MgO catalyst—An optimization approach by mixture experiment. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 162-169.	1.0	18
21	Synthesis and characterization of CNTs using polypropylene waste as precursor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 194, 68-77.	1.7	59
22	Phase transformation and enhancement of toughness in polyvinylidene fluoride by onium salts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1339-1344.	2.4	31
23	Studies on $\hat{1}\pm$ to $\hat{1}^2$ phase transformations in mechanically deformed PVDF films. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3491-3497.	1.3	46