

Haribabu K

List of Publications by Year in descending order

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28
papers

457
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759055

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28
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521
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Copper Oxide Nanoparticles Using <i>Ixiro coccinea</i> Plant Leaves and its Characterization. <i>BioNanoScience</i> , 2018, 8, 554-558.	1.5	69
2	Modification of graphite felt using nano polypyrrole and polythiophene for microbial fuel cell applications-a comparative study. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3308-3316.	3.8	47
3	Bioelectricity generation in a microbial fuel cell using polypyrrole-molybdenum oxide composite as an effective cathode catalyst. <i>Fuel</i> , 2020, 275, 117994.	3.4	40
4	Synthesis of graphene encased alumina and its application as nanofluid for cooling of heat-generating electronic devices. <i>Powder Technology</i> , 2020, 363, 665-675.	2.1	37
5	Removal of fluoride from aqueous media by magnesium oxide-coated nanoparticles. <i>Desalination and Water Treatment</i> , 2015, 53, 2905-2914.	1.0	34
6	Ultrasonic extraction of natural dye from <i>Rubia Cordifolia</i> , optimisation using response surface methodology (RSM) & comparison with artificial neural network (ANN) model and its dyeing properties on different substrates. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 114, 46-54.	1.8	31
7	Experimental investigation on the thermophysical properties of beryllium oxide-based nanofluid and nano-enhanced phase change material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1527-1536.	2.0	27
8	Treatment of Wastewater in Fluidized Bed Bioreactor Using Low Density Biosupport. <i>Energy Procedia</i> , 2014, 50, 214-221.	1.8	26
9	Experimental study on the convective heat transfer performance and pressure drop of functionalized graphene nanofluids in electronics cooling system. <i>Heat and Mass Transfer</i> , 2019, 55, 2221-2234.	1.2	24
10	Microwave assisted synthesis of polythiophene-molybdenum sulfide counter electrode in dye sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13655-13663.	1.1	14
11	Graphene-silver alloyed quantum dots nanofluid: Synthesis and application in the cooling of a simulated electronic system. <i>Applied Thermal Engineering</i> , 2021, 187, 116580.	3.0	13
12	Acidic functionalized graphene dispersed polyethylene glycol nano-phase change material for the active cooling of a simulated heat-generating electronic system. <i>Journal of Energy Storage</i> , 2022, 45, 103774.	3.9	13
13	Performance of tungsten oxide/polypyrrole composite as cathode catalyst in single chamber microbial fuel cell. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104520.	3.3	12
14	Nanostructured Polypyrrole as Cathode Catalyst for Fe (III) Removal in Single Chamber Microbial Fuel Cell. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 78-85.	1.4	12
15	Energy Generation in Single Chamber Microbial Fuel Cell from Pure and Mixed Culture Bacteria by Copper Reduction. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7719-7724.	1.7	9
16	Reduction of copper and generation of energy in double chamber microbial fuel cell using <i>Shewanella putrefaciens</i> . <i>Separation Science and Technology</i> , 2020, 55, 2391-2399.	1.3	8
17	A Study on Polythiophene Modified Carbon Cloth as Anode in Microbial Fuel Cell for Lead Removal. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6695-6701.	1.7	8
18	Biodegradation of organic content in wastewater in fluidized bed bioreactor using low-density biosupport. <i>Desalination and Water Treatment</i> , 0, , 1-6.	1.0	5

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19	Simultaneous power generation and Congo red dye degradation in double chamber microbial fuel cell using spent carbon electrodes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-17.	1.2	5
20	Covalent Functionalization of Graphene for the Enhancement of Thermophysical Properties in Nanofluids. <i>Chemical Engineering and Technology</i> , 2021, 44, 811-818.	0.9	5
21	Removal of Congo Red from Aqueous Solution Using <i>â€Perna viridisâ€™™</i> : Kinetic Study and Modeling Using Artificial Neural Network. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 9925-9937.	1.7	3
22	Energy Generation and Iron Removal in Batch and Continuous Singleâ€Chamber Microbial Fuel Cells. <i>Chemical Engineering and Technology</i> , 2021, 44, 258-264.	0.9	3
23	Activated carbon derived from ground nutshell as a metal-free oxygen reduction catalyst for air cathode in single chamber microbial fuel cell. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1729-1736.	2.9	3
24	Thematic issue: Bioenergy and biorefinery approaches for environmental sustainability. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1433-1433.	2.9	3
25	Nanomaterial and nanocatalysts in microbial fuel cells. , 2022, , 261-284.		3
26	Green Energy for Environmental Sustainability. <i>Chemical Engineering and Technology</i> , 2021, 44, 810-810.	0.9	2
27	Time-Optimized Hydrothermal Synthesis of Nano-WO3 for Application as Counter Electrode in Dye-Sensitized Solar Cell. <i>Arabian Journal for Science and Engineering</i> , 0, , 1.	1.7	1
28	Single Chamber Membrane Less Microbial Fuel Cell for Simultaneous Energy Generation and Lead Removal. <i>Russian Journal of Electrochemistry</i> , 2022, 58, 143-150.	0.3	0