

Shubhalakshmi Sengupta

List of Publications by Year in descending order

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17
papers

422
citations

840776

11
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996975

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all docs

17
docs citations

17
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically reduced tea waste biochar and its application in treatment of fluoride containing wastewater: Batch and optimization using response surface methodology. <i>Chemical Engineering Research and Design</i> , 2018, 116, 553-563.	5.6	60
2	Assessment on the decolourization of textile dye (Reactive Yellow) using <i>Pseudomonas</i> sp. immobilized on fly ash: Response surface methodology optimization and toxicity evaluation. <i>Journal of Environmental Management</i> , 2018, 223, 185-195.	7.8	58
3	Furfuryl palmitate coated fly ash used as filler in recycled polypropylene matrix composites. <i>Composites Part B: Engineering</i> , 2011, 42, 1834-1839.	12.0	52
4	Valorization of food waste: Extraction of cellulose, lignin and their application in energy use and water treatment. <i>Fuel</i> , 2020, 280, 118581.	6.4	48
5	Comparative biodegradation study of polymer from plastic bottle waste using novel isolated bacteria and fungi from marine source. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	45
6	Calcium impregnated activated charcoal: Optimization and efficiency for the treatment of fluoride containing solution in batch and fixed bed reactor. <i>Chemical Engineering Research and Design</i> , 2017, 109, 18-29.	5.6	34
7	Sustainable Materials: Value-Added Composites from Recycled Polypropylene and Fly Ash Using a Green Coupling Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 574-584.	6.7	31
8	Single-step synthesis of activated magnetic biochar derived from rice husk for hexavalent chromium adsorption: Equilibrium mechanism, kinetics, and thermodynamics analysis. <i>Groundwater for Sustainable Development</i> , 2022, 18, 100796.	4.6	27
9	Comparative assessment on defluoridation of waste water using chemical and bio-reduced graphene oxide: Batch, thermodynamic, kinetics and optimization using response surface methodology and artificial neural network. <i>Chemical Engineering Research and Design</i> , 2017, 111, 221-231.	5.6	21
10	Stearic acid as coupling agent in fly ash reinforced recycled polypropylene matrix composites: Structural, mechanical, and thermal characterizations. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1996-2004.	2.6	17
11	Lauric acid coated fly ash as a reinforcement in recycled polymer matrix composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	11
12	Integral approach of sorption coupled with biodegradation for treatment of azo dye using <i>Pseudomonas</i> sp.: batch, toxicity, and artificial neural network. <i>3 Biotech</i> , 2018, 8, 192.	2.2	7
13	Thermodynamics and kinetics study of defluoridation using Ca-SiO ₂ -TiO ₂ as adsorbent: Column studies and statistical approach. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 179-188.	2.7	4
14	Synthesis of Cellulose from Peanut Shell Waste and Its Use in Bioethanol Production. , 2020, , 81-91.		4
15	Thermal and Structural Characterization of Furfuryl Palmitate Coated Fly Ash Reinforced Recycled Polypropylene Matrix Composites. <i>Advanced Materials Research</i> , 2012, 584, 551-555.	0.3	2
16	Development and Characterizations of Green Coupling Agent Coated Fly Ash Reinforced Recycled Polypropylene Matrix Composites. <i>Advanced Materials Research</i> , 2013, 747, 707-710.	0.3	1
17	Novel Techniques of Synthesis of Nanocellulose from Sugarcane Bagasse and Its Applications in Dye Removal. , 2020, , 79-85.		0