

Subrata Biswas

List of Publications by Year in descending order

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16
papers

412
citations

933447

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940533

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docs citations

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times ranked

442
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#	ARTICLE	IF	CITATIONS
1	Batch and continuous closed circuit semi-fluidized bed operation: Removal of MB dye using sugarcane bagasse biochar and alginate composite adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103637.	6.7	95
2	Process Optimization Study of Zn ²⁺ Adsorption on Biochar-Alginate Composite Adsorbent by Response Surface Methodology (RSM). <i>Water (Switzerland)</i> , 2019, 11, 325.	2.7	50
3	A synergistic study of reaction kinetics and heat transfer with multi-component modelling approach for the pyrolysis of biomass waste. <i>Energy</i> , 2020, 204, 117933.	8.8	45
4	Adsorptive Removal of Aqueous Phase Copper (Cu ²⁺) and Nickel (Ni ²⁺) Metal Ions by Synthesized Biochar-Biopolymeric Hybrid Adsorbents and Process Optimization by Response Surface Methodology (RSM). <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	36
5	Preparation and Characterization of Raw and Inorganic Acid-Activated Pine Cone Biochar and Its Application in the Removal of Aqueous-Phase Pb ²⁺ Metal Ions by Adsorption. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	36
6	Synthesis and characterization of a novel Ca-alginate-biochar composite as efficient zinc (Zn ²⁺) adsorbent: Thermodynamics, process design, mass transfer and isotherm modeling. <i>Separation Science and Technology</i> , 2019, 54, 1106-1124.	2.5	33
7	Enhanced biodegradation of total petroleum hydrocarbons by implementing a novel two-step bioaugmentation strategy using indigenous bacterial consortium. <i>Journal of Environmental Management</i> , 2021, 292, 112746.	7.8	27
8	A comprehensive insight into devolatilization thermo-kinetics for an agricultural residue: Towards a cleaner and sustainable energy. <i>Journal of Cleaner Production</i> , 2021, 310, 127365.	9.3	25
9	Process modelling and optimization of a novel Semifluidized bed adsorption column operation for aqueous phase divalent heavy metal ions removal. <i>Journal of Water Process Engineering</i> , 2020, 37, 101406.	5.6	22
10	Defluoridation characteristics of a novel adsorbent developed from ferroalloy electric arc furnace slag: Batch, column study and treatment of industrial wastewater. <i>Environmental Technology and Innovation</i> , 2020, 18, 100782.	6.1	16
11	Modeling and optimization of process variables for HCl gas removal by response surface methodology. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 359-366.	1.7	11
12	Experimental hydrodynamic and bed characteristics of co-current gas-liquid-solid three phase semifluidization with liquid as the continuous phase. <i>Particulate Science and Technology</i> , 2020, 38, 999-1011.	2.1	4
13	Hydrodynamic study and particulate matter removal in a self priming venturi scrubber. <i>Environmental Technology and Innovation</i> , 2020, 20, 101167.	6.1	4
14	Aqueous phase phenol removal from synthetic and real steel plant effluents through a batch and Semifluidized bed column operation: Experimental and model analysis. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104441.	6.7	4
15	Removal of Cement Dust Particulates via Fully Submerged Self-Primed Venturi Scrubber. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2000241.	1.1	2
16	Semifluidized Bed Adsorption Column Studies for Simultaneous Removal of Aqueous Phase Pb ²⁺ and Cd ²⁺ by Composite Adsorbents: an Experimental and Mass Transfer Dynamic Model-Based Approach. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	2