Subrata Biswas

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9287520/publications.pdf

Version: 2024-02-01

16	412	933447 10	940533 16
papers	citations	h-index	g-index

16	16	16	442
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Removal of Cement Dust Particulates via Fully Submerged Selfâ€Primed Venturi Scrubber. Clean - Soil, Air, Water, 2021, 49, 2000241.	1.1	2
2	A comprehensive insight into devolatilization thermo-kinetics for an agricultural residue: Towards a cleaner and sustainable energy. Journal of Cleaner Production, 2021, 310, 127365.	9.3	25
3	Enhanced biodegradation of total petroleum hydrocarbons by implementing a novel two-step bioaugmentation strategy using indigenous bacterial consortium. Journal of Environmental Management, 2021, 292, 112746.	7.8	27
4	Semifluidized Bed Adsorption Column Studies for Simultaneous Removal of Aqueous Phase Pb2+ and Cd2+ by Composite Adsorbents: an Experimental and Mass Transfer Dynamic Modelâ€“Based Approach. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	2
5	Experimental hydrodynamic and bed characteristics of co-current gas-liquid-solid three phase semifluidization with liquid as the continuous phase. Particulate Science and Technology, 2020, 38, 999-1011.	2.1	4
6	Batch and continuous closed circuit semi-fluidized bed operation: Removal of MB dye using sugarcane bagasse biochar and alginate composite adsorbents. Journal of Environmental Chemical Engineering, 2020, 8, 103637.	6.7	95
7	Preparation and Characterization of Raw and Inorganic Acid-Activated Pine Cone Biochar and Its Application in the Removal of Aqueous-Phase Pb2+ Metal Ions by Adsorption. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	36
8	Hydrodynamic study and particulate matter removal in a self priming venturi scrubber. Environmental Technology and Innovation, 2020, 20, 101167.	6.1	4
9	Aqueous phase phenol removal from synthetic and real steel plant effluents through a batch and Semifluidized bed column operation: Experimental and model analysis. Journal of Environmental Chemical Engineering, 2020, 8, 104441.	6.7	4
10	A synergistic study of reaction kinetics and heat transfer with multi-component modelling approach for the pyrolysis of biomass waste. Energy, 2020, 204, 117933.	8.8	45
11	Process modelling and optimization of a novel Semifluidized bed adsorption column operation for aqueous phase divalent heavy metal ions removal. Journal of Water Process Engineering, 2020, 37, 101406.	5.6	22
12	Defluoridation characteristics of a novel adsorbent developed from ferroalloy electric arc furnace slag: Batch, column study and treatment of industrial wastewater. Environmental Technology and Innovation, 2020, 18, 100782.	6.1	16
13	Adsorptive Removal of Aqueous Phase Copper (Cu2+) and Nickel (Ni2+) Metal Ions by Synthesized Biocharâ€“Biopolymeric Hybrid Adsorbents and Process Optimization by Response Surface Methodology (RSM). Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	36
14	Process Optimization Study of Zn2+ Adsorption on Biochar-Alginate Composite Adsorbent by Response Surface Methodology (RSM). Water (Switzerland), 2019, 11, 325.	2.7	50
15	Modeling and optimization of process variables for HCl gas removal by response surface methodology. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 359-366.	1.7	11
16	Synthesis and characterization of a novel Ca-alginate-biochar composite as efficient zinc (Zn²⁺) adsorbent: Thermodynamics, process design, mass transfer and isotherm modeling. Separation Science and Technology, 2019, 54, 1106-1124.	2.5	33