

Dr Khursheed Badruddin Ansari

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

535
citations

840119

11
h-index

676716

22
g-index

26
all docs

26
docs citations

26
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	gPROMS-driven modeling and simulation of fixed bed adsorption of heavy metals on a biosorbent: benchmarking and case study. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71511-71526.	2.7	11
2	Support vector regression-based model for phenol adsorption in rotating packed bed adsorber. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71637-71648.	2.7	11
3	Adsorptive removal of Pb(II) using nanostructured γ -alumina in a packed bed adsorber: Simulation using gPROMS. <i>Environmental Science and Pollution Research</i> , 2023, 30, 42629-42642.	2.7	2
4	Carbon dioxide capture over amine functionalized styrene divinylbenzene copolymer: An experimental batch and continuous studies. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106910.	3.3	15
5	Developing convective-dispersive transport model to characterize fixed-bed adsorption of lead (II) over activated tea waste biosorbent. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4291-4305.	2.9	7
6	State-of-the-art practices to upgrade biomass fast pyrolysis derived bio-oil. , 2022, , 115-147.		1
7	Progress in biomass fast pyrolysis: An outlook of modern experimental approaches. , 2022, , 21-62.		2
8	Graphical approach for estimating and minimizing boil-off gas and compression energy consumption in LNG regasification terminals. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 101, 104539.	2.1	7
9	Investigating the performance of functionalized and pristine graphene oxide impregnated Nexar [®] , C nanocomposite membranes for PEM fuel cell. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100346.	2.4	3
10	Novel Machine Learning (ML) models for predicting the performance of multi-metal binding green adsorbent for the removal of Cd (II), Cu (II), Pb (II) and Zn (II) ions. <i>Environmental Advances</i> , 2022, 9, 100256.	2.2	7
11	Predicting Conduction Heat Flux through Macrolayer in Nucleate Pool Boiling. <i>Energies</i> , 2021, 14, 3893.	1.6	0
12	Recent developments in investigating reaction chemistry and transport effects in biomass fast pyrolysis: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111454.	8.2	48
13	Co-pyrolysis of biomass and plastic wastes: A review on reactants synergy, catalyst impact, process parameter, hydrocarbon fuel potential, COVID-19. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106436.	3.3	60
14	Valorisation of biomass pellets to renewable fuel and chemicals using pyrolysis: characterisation of pyrolysis products and its application. <i>Indian Chemical Engineer</i> , 2020, 62, 78-91.	0.9	9
15	Energy Saving through Efficient BOG Prediction and Impact of Static Boil-off-Rate in Full Containment-Type LNG Storage Tank. <i>Energies</i> , 2020, 13, 5578.	1.6	12
16	Upgrading of Bio-oil from Biomass Pyrolysis: Current Status and Future Development. , 2020, , 317-353.		8
17	Investigating production of hydrocarbon rich bio-oil from grassy biomass using vacuum pyrolysis coupled with online deoxygenation of volatile products over metallic iron. <i>Renewable Energy</i> , 2019, 130, 305-318.	4.3	34
18	Fast Pyrolysis of Cellulose, Hemicellulose, and Lignin: Effect of Operating Temperature on Bio-oil Yield and Composition and Insights into the Intrinsic Pyrolysis Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15838-15852.	1.8	107

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19	Unravelling the catalytic influence of naturally occurring salts on biomass pyrolysis chemistry using glucose as a model compound: a combined experimental and DFT study. <i>Catalysis Science and Technology</i> , 2019, 9, 3504-3524.	2.1	26
20	Effect of Temperature and Transport on the Yield and Composition of Pyrolysis-Derived Bio-Oil from Glucose. <i>Energy & Fuels</i> , 2018, 32, 6008-6021.	2.5	25
21	Vacuum pyrolysed biochar for soil amendment. <i>Resource-efficient Technologies</i> , 2016, 2, S177-S185.	0.1	28
22	Process Intensification of Upgradation of Crude Oil and Vacuum Residue by Hydrodynamic Cavitation and Microwave Irradiation. <i>Indian Chemical Engineer</i> , 2015, 57, 256-281.	0.9	12
23	Green hydrotropic extraction technology for delignification of sugarcane bagasse by using alkylbenzene sulfonates as hydrotropes. <i>Chemical Engineering Science</i> , 2014, 115, 157-166.	1.9	50
24	Pressmud as an Alternate Resource for Hydrocarbons and Chemicals by Thermal Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1878-1889.	1.8	21
25	Sorption Behavior of Thiourea-Grafted Polymeric Resin toward Silver Ion, Reduction to Silver Nanoparticles, and Their Antibacterial Properties. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6438-6445.	1.8	21
26	Selective Removal of Silver Impurity from Oxaliplatin by Sorption on Functionalized Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14209-14217.	1.8	8