

Shaukat Ali Mazari

List of Publications by Year in descending order

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67
papers

2,734
citations

218381

26
h-index

189595

50
g-index

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67
docs citations

67
times ranked

2351
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on extractive fermentation via ion exchange adsorption resins opportunities, challenges, and future prospects. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3543-3554.	2.9	14
2	An overview of effect of process parameters for removal of CO ₂ using biomass-derived adsorbents. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4495-4513.	2.9	6
3	Overview of bioelectrochemical approaches for sulfur reduction: current and future perspectives. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12333-12348.	2.9	2
4	Recent progress in sustainable recycling of LiFePO ₄ -type lithium-ion batteries: Strategies for highly selective lithium recovery. <i>Chemical Engineering Journal</i> , 2022, 431, 133993.	6.6	98
5	Conventional techniques for nanomaterials preparation. , 2022, , 91-110.		0
6	Insight into immobilization efficiency of Lipase enzyme as a biocatalyst on the graphene oxide for adsorption of Azo dyes from industrial wastewater effluent. <i>Journal of Molecular Liquids</i> , 2022, 354, 118849.	2.3	29
7	A comprehensive review of microbial desalination cells for present and future challenges. <i>Desalination</i> , 2022, 535, 115808.	4.0	30
8	New generation adsorbents for removal of pesticides from water and waste water. , 2022, , 189-207.		2
9	Combined Impact of Ultrasound Pre-treatment and Hydrodistillation on Bioactive Compounds and GC-MS Analysis of Cinnamomum cassia Bark Extract. <i>Waste and Biomass Valorization</i> , 2021, 12, 807-821.	1.8	10
10	Environmental impact of using nanomaterials in textiles. , 2021, , 321-342.		4
11	Current applications of smart nanotextiles and future trends. , 2021, , 343-365.		6
12	Harvesting Electricity from CO ₂ Emission: Opportunities, Challenges and Future Prospects. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 1061-1081.	2.7	3
13	Experimental investigations of arsenic adsorption from contaminated water using chemically activated hematite (Fe ₂ O ₃) iron ore. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12898-12908.	2.7	10
14	An overview of catalytic conversion of CO ₂ into fuels and chemicals using metal organic frameworks. <i>Chemical Engineering Research and Design</i> , 2021, 149, 67-92.	2.7	62
15	Advanced microbial fuel cell for waste water treatment—a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5005-5019.	2.7	63
16	Separation of propylene and propane by functional mixture of imidazolium thiocyanate ionic liquid-organic solvent-organic solvent-cuprous salt. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, .	0.9	2
17	Application of microwave synthesis in biodiesel production. , 2021, , 623-641.		1
18	Prediction of thermo-physical properties of 1-Butyl-3-methylimidazolium hexafluorophosphate for CO ₂ capture using machine learning models. <i>Journal of Molecular Liquids</i> , 2021, 327, 114785.	2.3	31

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19	A review of gas chromatographic techniques for identification of aqueous amine degradation products in carbonated environments. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6324-6348.	2.7	5
20	Magnetic nanocomposites for sustainable water purification—a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 19563-19588.	2.7	38
21	Nanomaterials: Applications, waste-handling, environmental toxicities, and future challenges – A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105028.	3.3	133
22	Hydrothermal carbonization of oil palm trunk via taguchi method. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 797-806.	1.2	8
23	Ultrasonic-assisted synthesis of polythiophene-carbon nanotubes composites as supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16203-16214.	1.1	15
24	Nickel oxides/hydroxides-graphene as hybrid supercapattery nanocomposites for advanced charge storage materials – a review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 553-586.	6.8	19
25	A comprehensive review on magnetic carbon nanotubes and carbon nanotube-based buckypaper for removal of heavy metals and dyes. <i>Journal of Hazardous Materials</i> , 2021, 413, 125375.	6.5	223
26	Dual-application of novel magnetic carbon nanocomposites as catalytic liquefaction for bio-oil synthesis and multi-heavy metal adsorption. <i>Renewable Energy</i> , 2021, 172, 1103-1119.	4.3	15
27	Development of fruit waste derived bio-adsorbents for wastewater treatment: A review. <i>Journal of Hazardous Materials</i> , 2021, 416, 125848.	6.5	109
28	Bioethanol production from forest residues and life cycle cost analysis of bioethanol-gasoline blend on transportation sector. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105542.	3.3	23
29	Thermal, mechanical, rheological, electrical and electromagnetic interference shielding performance of polypropylene/magnetic carbon nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105447.	3.3	12
30	Recent trends and future challenges of pesticide removal techniques – A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105571.	3.3	72
31	A review on the properties and applications of chitosan, cellulose and deep eutectic solvent in green chemistry. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 362-380.	2.9	72
32	Carbon and polymer-based magnetic nanocomposites for oil-spill remediation—a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54477-54496.	2.7	24
33	Recent developments and progress of aerogel assisted environmental remediation: a review. <i>Journal of Porous Materials</i> , 2021, 28, 1919-1933.	1.3	18
34	A review of recent trends and emerging perspectives of ionic liquid membranes for CO ₂ separation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105860.	3.3	56
35	A review of role of cathodes in the performance of microbial fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115673.	1.9	27
36	Synthesis and optimization of chitosan supported magnetic carbon bio-nanocomposites and bio-oil production by solvothermal carbonization co-precipitation for advanced energy applications. <i>Renewable Energy</i> , 2021, 178, 587-599.	4.3	10

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37	Conducting Polymers and Their Composites. <i>Engineering Materials</i> , 2021, , 147-178.	0.3	1
38	Emerging pollutants and their removal using visible-light responsive photocatalysis—A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106643.	3.3	74
39	Co-liquefaction of synthetic polyethylene and polyethylene bags with sugarcane bagasse under supercritical conditions: A comparative study. <i>Renewable Energy</i> , 2020, 162, 2397-2407.	4.3	14
40	Graphene based nanomaterials for strain sensor application—a review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103743.	3.3	136
41	Magnetic nanoparticles incorporation into different substrates for dyes and heavy metals removal—A Review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43526-43541.	2.7	82
42	Photocatalytic degradation of methyl orange from wastewater using a newly developed Fe-Cu-Zn-ZSM-5 catalyst. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26239-26248.	2.7	13
43	Water decontamination by 3D graphene based materials: A review. <i>Journal of Water Process Engineering</i> , 2020, 36, 101404.	2.6	37
44	Review of modelling and simulation strategies for evaluating corrosive behavior of aqueous amine systems for CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2020, 96, 103010.	2.3	38
45	Thermal degradation kinetics of morpholine for carbon dioxide capture. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103814.	3.3	15
46	Modeling the rate of corrosion of carbon steel using activated diethanolamine solutions for CO ₂ absorption. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2099-2110.	1.7	18
47	Magnetic nanoadsorbents—potential route for heavy metals removal—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24342-24356.	2.7	127
48	Promoting sustainability of use of biomass as energy resource: Pakistan's perspective. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29606-29619.	2.7	20
49	Formation and elimination of nitrosamines and nitramines in freshwaters involved in post-combustion carbon capture process. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103111.	3.3	19
50	Iron Oxide Nanomaterials for the Removal of Heavy Metals and Dyes From Wastewater. , 2019, , 447-472.		55
51	Fabrication of advance magnetic carbon nano-materials and their potential applications: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102812.	3.3	71
52	Thermal degradation of diethanolamine at stripper condition for CO ₂ capture: Product types and reaction mechanisms. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2900-2908.	1.7	4
53	Solvothermal Liquefaction of Corn Stalk: Physico-Chemical Properties of Bio-oil and Biochar. <i>Waste and Biomass Valorization</i> , 2019, 10, 1957-1968.	1.8	23
54	Advanced Nanomaterials Synthesis from Pyrolysis and Hydrothermal Carbonization: A Review. <i>Current Organic Chemistry</i> , 2018, 22, 446-461.	0.9	22

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55	Opportunities and challenges in the development of monoethanolamine and its blends for post-combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2018, 79, 212-233.	2.3	59
56	Effect of Adsorption and Passivation Phenomena on the Electrochemical Oxidation of Phenol and 2-Chlorophenol at Carbon Black Diamond Composite Electrode. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1652-1660.	1.8	21
57	Thermal degradation of aqueous 2-aminoethylethanolamine in CO ₂ capture; identification of degradation products, reaction mechanisms and computational studies. <i>Chemistry Central Journal</i> , 2017, 11, 10.	2.6	15
58	An overview of effect of process parameters on hydrothermal carbonization of biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1289-1299.	8.2	354
59	Modeling the effect of piperazine on CO ₂ loading in MDEA/PZ mixture. <i>Fluid Phase Equilibria</i> , 2017, 434, 233-243.	1.4	22
60	Modeling the Effect of Piperazine on Carbon Steel Corrosion Rate in Carbonated Activated MDEA Solutions. <i>International Journal of Electrochemical Science</i> , 2016, 11, 4560-4585.	0.5	6
61	Thermal degradation of piperazine and diethanolamine blend for CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 1-7.	2.3	14
62	Effect of piperazine on solubility of carbon dioxide using aqueous diethanolamine. <i>Fluid Phase Equilibria</i> , 2016, 414, 1-13.	1.4	5
63	Synthesis and characterization of hydrochars produced by hydrothermal carbonization of oil palm shell. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1916-1921.	0.9	65
64	An overview of solvent management and emissions of amine-based CO ₂ capture technology. <i>International Journal of Greenhouse Gas Control</i> , 2015, 34, 129-140.	2.3	100
65	Degradation study of piperazine, its blends and structural analogs for CO ₂ capture: A review. <i>International Journal of Greenhouse Gas Control</i> , 2014, 31, 214-228.	2.3	42
66	Recent advances and developments in advanced green porous nanomaterial for sustainable energy storage application. <i>Journal of Porous Materials</i> , 0, , 1.	1.3	9
67	Comprehensive Review on Silicon-enhanced Green Nanocomposites Towards Sustainable Development. <i>Silicon</i> , 0, , 1.	1.8	1