Alireza Bazargan

List of Publications by Year
in descending order

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49 papers	1,388 citations	471371 17 h-index	360920 35 g-index
50 all docs	50 docs citations	50 times ranked	1861 citing authors

#	Article	IF	Citations
1	Discharge of lithium-ion batteries in salt solutions for safer storage, transport, and resource recovery. Waste Management and Research, 2022, 40, 402-409.	2.2	17
2	Photocatalytic reactor types and configurations. , 2022, , 73-110.		2
3	Analysis of patents in photocatalytic water and wastewater treatment. Part I â€“ photocatalytic materials. , 2022, , 159-182.		0
4	Landfill leachate treatment using photocatalytic methods. , 2022, , 111-134.		0
5	Analysis of patents in photocatalytic water and wastewater treatment. Part II â€“ solar energy and nanotechnology. , 2022, , 183-208.		0
6	An introduction to photocatalysis. , 2022, , 1-36.		0
7	Life cycle assessment of solar photocatalytic wastewater treatment. , 2022, , 135-158.		2
8	Cross sectional study of the top research topics in environmental science and engineering. Results in Engineering, 2022, 14, 100465.	2.2	9
9	Sorption as a rapidly response for oil spill accidents: A material and mechanistic approach. Journal of Hazardous Materials, 2021, 407, 124842.	6.5	64
10	Electrocoagulation for the treatment of highly sulfidic spent caustic: parametric study followed by statistical optimization. International Journal of Environmental Science and Technology, 2021, 18, 939-948.	1.8	6
11	Consuming the least amount of energy and resources in landfill leachate electrocoagulation. Environmental Technology and Innovation, 2021, 22, 101454.	3.0	8
12	Research trends of heavy metal removal from aqueous environments. Journal of Environmental Management, 2021, 287, 112322.	3.8	53
13	The evolving trends of landfill leachate treatment research over the past 45 years. Environmental Science and Pollution Research, 2021, 28, 66556-66574.	2.7	16
14	Removing sulfide from spent caustic petrochemical wastewater with electro-Fenton treatment. Journal of Applied Water Engineering and Research, 2021, 9, 315-323.	1.0	7
15	Catalytic deoxygenation of palm oil and its residue in green diesel production: A current technological review. Chemical Engineering Research and Design, 2021, 174, 158-187.	2.7	27
16	A Two-Stage Dissolved Air Flotation Saturator Configuration for Significant Microbubble Improvement. Environmental Technology (United Kingdom), 2021, , 1-25.	1.2	1
17	Application of Radiofrequency for Decolorization, Floc Formation, and Microorganism Inactivation. Tropical Aquatic and Soil Pollution, 2021, 2, 34-44.	3.0	6
18	Study of 3D-Printed Pressure Release Nozzle for Microbubble Formation in Full-Scale Dissolved Air Flotation (DAF). Chemical Engineering and Processing: Process Intensification, 2020, 155, 108070.	1.8	4

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19	A Facile Chemical-Free Cathode Powder Separation Method for Lithium Ion Battery Resource Recovery. Journal of Energy Storage, 2020, 31, 101564.	3.9	14
20	Two-stage optimization of Allura direct red dye removal by treated peanut hull waste. SN Applied Sciences, 2020, 2, 1.	1.5	18
21	Optimization of the removal of lignin and silica from rice husks with alkaline peroxide. Journal of Cleaner Production, 2020, 260, 120848.	4.6	25
22	Landfill site selection using multi criteria decision making: Influential factors for comparing locations. Journal of Environmental Sciences, 2020, 93, 170-184.	3.2	81
23	A review of the application of adsorbents for landfill leachate treatment: Focus on magnetic adsorption. Science of the Total Environment, 2020, 731, 138863.	3.9	113
24	Water Balance Models in Environmental Modeling. , 2018, , 1-16.		4
25	An Introduction to Sustainable Materials Management. , 2018, , 1-39.		1
26	Fine tuning of process parameters for improving briquette production from palm kernel shell gasification waste. Environmental Technology (United Kingdom), 2018, 39, 931-938.	1.2	7
27	The Application of Membrane Bioreactors (MBR) for the Removal of Organic Matter, Nutrients, and Heavy Metals from Landfill Leachate. , 2018, , 1-20.		2
28	The Modified Bardenpho Process. , 2018, , 1-50.		4
29	Exergy and Life Cycle-Based Analysis. , 2018, , 1-22.		2
30	Recent Advances in Membrane Extraction Techniques for Environmental Samples Analysis. , 2018, , 1-33.		1
31	Optimising batch adsorbers for the removal of zinc from effluents using a sodium diimidoacetate ion exchange resin. Adsorption, 2017, 23, 477-489.	1.4	12
32	The preparation of pellets by the compaction of an aluminosilicate-based adsorbent from electronic waste. Journal of Environmental Chemical Engineering, 2016, 4, 2322-2326.	3.3	0
33	Optimization and kinetics of sunflower oil methanolysis catalyzed by calcium oxide-based catalyst derived from palm kernel shell biochar. Fuel, 2016, 163, 304-313.	3.4	117
34	Optimization of rice husk pretreatment for energy production. Renewable Energy, 2015, 77, 512-520.	4.3	69
35	Application of Strong Porous Polymer Sheets for Superior Oil Spill Recovery. Chemical Engineering and Technology, 2015, 38, 482-488.	0.9	23
36	An unsteady state retention model for fluid desorption from sorbents. Journal of Colloid and Interface Science, 2015, 450, 127-134.	5.0	18

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37	A calcium oxide-based catalyst derived from palm kernel shell gasification residues for biodiesel production. Fuel, 2015, 150, 519-525.	3.4	94
38	Standardization of Oil Sorbent Performance Testing. Journal of Testing and Evaluation, 2015, 43, 20140227.	0.4	42
39	Super-fast oil uptake using porous ultra-high molecular weight polyethylene sheets. Polymers for Advanced Technologies, 2014, 25, 1181-1185.	1.6	22
40	Utilization of rice husks for the production of oil sorbent materials. Cellulose, 2014, 21, 1679-1688.	2.4	56
41	Compaction of palm kernel shell biochars for application as solid fuel. Biomass and Bioenergy, 2014, 70, 489-497.	2.9	121
42	The effect of alkali treatment on rice husk moisture content and drying kinetics. Biomass and Bioenergy, 2014, 70, 468-475.	2.9	32
43	Printed circuit board waste as a source for high purity porous silica. Separation and Purification Technology, 2014, 136, 88-93.	3.9	16
44	Marine residual fuel sorption and desorption kinetics by alkali treated rice husks. Cellulose, 2014, 21, 1997-2006.	2.4	15
45	Oil spill remedy using bi-axially oriented polymer films. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	4
46	A Review: Synthesis of Carbon-Based Nano and Micro Materials by High Temperature and High Pressure. Industrial & Engineering Chemistry Research, 2013, 52, 12689-12702.	1.8	34
47	Porous Carbons from Plastic Waste. Advances in Polymer Science, 2013, , 1-25.	0.4	19
48	A review â€“ Synthesis of carbon nanotubes from plastic wastes. Chemical Engineering Journal, 2012, 195-196, 377-391.	6.6	195
49	Application of soils for removal of methyl tertiary butyl ether (MTBE) from aqueous solution: adsorption kinetics and equilibrium study. , 0, 111, 226-235.		5