

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	A review â€“ Synthesis of carbon nanotubes from plastic wastes. Chemical Engineering Journal, 2012, 195-196, 377-391.	6.6	195
2	Compaction of palm kernel shell biochars for application as solid fuel. Biomass and Bioenergy, 2014, 70, 489-497.	2.9	121
3	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
4	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
5	A calcium oxide-based catalyst derived from palm kernel shell gasification residues for biodiesel production. Fuel, 2015, 150, 519-525.	3.4	94
6	Landfill site selection using multi criteria decision making: Influential factors for comparing locations. Journal of Environmental Sciences, 2020, 93, 170-184.	3.2	81
7	Optimization of rice husk pretreatment for energy production. Renewable Energy, 2015, 77, 512-520.	4.3	69
8	Sorption as a rapidly response for oil spill accidents: A material and mechanistic approach. Journal of Hazardous Materials, 2021, 407, 124842.	6.5	64
9	Utilization of rice husks for the production of oil sorbent materials. Cellulose, 2014, 21, 1679-1688.	2.4	56
10	Research trends of heavy metal removal from aqueous environments. Journal of Environmental Management, 2021, 287, 112322.	3.8	53
11	Standardization of Oil Sorbent Performance Testing. Journal of Testing and Evaluation, 2015, 43, 20140227.	0.4	42
12	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
13	The effect of alkali treatment on rice husk moisture content and drying kinetics. Biomass and Bioenergy, 2014, 70, 468-475.	2.9	32
14	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
15	Optimization of the removal of lignin and silica from rice husks with alkaline peroxide. Journal of Cleaner Production, 2020, 260, 120848.	4.6	25
16	Application of Strong Porous Polymer Sheets for Superior Oil Spill Recovery. Chemical Engineering and Technology, 2015, 38, 482-488.	0.9	23
17	Super-fast oil uptake using porous ultra-high molecular weight polyethylene sheets. Polymers for Advanced Technologies, 2014, 25, 1181-1185.	1.6	22
18	Porous Carbons from Plastic Waste. Advances in Polymer Science, 2013, , 1-25.	0.4	19

#	ARTICLE	IF	CITATIONS
19	An unsteady state retention model for fluid desorption from sorbents. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 127-134.	5.0	18
20	Two-stage optimization of Allura direct red dye removal by treated peanut hull waste. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	18
21	Discharge of lithium-ion batteries in salt solutions for safer storage, transport, and resource recovery. <i>Waste Management and Research</i> , 2022, 40, 402-409.	2.2	17
22	Printed circuit board waste as a source for high purity porous silica. <i>Separation and Purification Technology</i> , 2014, 136, 88-93.	3.9	16
23	The evolving trends of landfill leachate treatment research over the past 45 years. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66556-66574.	2.7	16
24	Marine residual fuel sorption and desorption kinetics by alkali treated rice husks. <i>Cellulose</i> , 2014, 21, 1997-2006.	2.4	15
25	A Facile Chemical-Free Cathode Powder Separation Method for Lithium Ion Battery Resource Recovery. <i>Journal of Energy Storage</i> , 2020, 31, 101564.	3.9	14
26	Optimising batch adsorbers for the removal of zinc from effluents using a sodium diimidoacetate ion exchange resin. <i>Adsorption</i> , 2017, 23, 477-489.	1.4	12
27	Cross sectional study of the top research topics in environmental science and engineering. <i>Results in Engineering</i> , 2022, 14, 100465.	2.2	9
28	Consuming the least amount of energy and resources in landfill leachate electrocoagulation. <i>Environmental Technology and Innovation</i> , 2021, 22, 101454.	3.0	8
29	Fine tuning of process parameters for improving briquette production from palm kernel shell gasification waste. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 931-938.	1.2	7
30	Removing sulfide from spent caustic petrochemical wastewater with electro-Fenton treatment. <i>Journal of Applied Water Engineering and Research</i> , 2021, 9, 315-323.	1.0	7
31	Electrocoagulation for the treatment of highly sulfidic spent caustic: parametric study followed by statistical optimization. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 939-948.	1.8	6
32	Application of Radiofrequency for Decolorization, Floc Formation, and Microorganism Inactivation. <i>Tropical Aquatic and Soil Pollution</i> , 2021, 2, 34-44.	3.0	6
33	Application of soils for removal of methyl tertiary butyl ether (MTBE) from aqueous solution: adsorption kinetics and equilibrium study. , 0, 111, 226-235.		5
34	Water Balance Models in Environmental Modeling. , 2018, , 1-16.		4
35	The Modified Bardenpho Process. , 2018, , 1-50.		4
36	Study of 3D-Printed Pressure Release Nozzle for Microbubble Formation in Full-Scale Dissolved Air Flotation (DAF). <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 155, 108070.	1.8	4

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37	Oil spill remedy using bi-axially oriented polymer films. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	4
38	The Application of Membrane Bioreactors (MBR) for the Removal of Organic Matter, Nutrients, and Heavy Metals from Landfill Leachate. , 2018, , 1-20.		2
39	Exergy and Life Cycle-Based Analysis. , 2018, , 1-22.		2
40	Photocatalytic reactor types and configurations. , 2022, , 73-110.		2
41	Life cycle assessment of solar photocatalytic wastewater treatment. , 2022, , 135-158.		2
42	An Introduction to Sustainable Materials Management. , 2018, , 1-39.		1
43	Recent Advances in Membrane Extraction Techniques for Environmental Samples Analysis. , 2018, , 1-33.		1
44	A Two-Stage Dissolved Air Flotation Saturator Configuration for Significant Microbubble Improvement. Environmental Technology (United Kingdom), 2021, , 1-25.	1.2	1
45	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
46	Analysis of patents in photocatalytic water and wastewater treatment. Part I “ photocatalytic materials. , 2022, , 159-182.		0
47	Landfill leachate treatment using photocatalytic methods. , 2022, , 111-134.		0
48	Analysis of patents in photocatalytic water and wastewater treatment. Part II “ solar energy and nanotechnology. , 2022, , 183-208.		0
49	An introduction to photocatalysis. , 2022, , 1-36.		0