

Jamshid Behin

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,245
citations

361413

20
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

1453
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of coal fly ash to zeolite utilizing microwave and ultrasound energies: A review. <i>Fuel</i> , 2015, 140, 250-266.	6.4	235
2	Synthesis of zeolite Na-P from coal fly ash by thermo-sonochemical treatment. <i>Fuel</i> , 2016, 182, 494-501.	6.4	88
3	Sodium hypochlorite as an alternative to hydrogen peroxide in Fenton process for industrial scale. <i>Water Research</i> , 2017, 121, 120-128.	11.3	87
4	Ozone assisted electrocoagulation in a rectangular internal-loop airlift reactor: Application to decolorization of acid dye. <i>Journal of Water Process Engineering</i> , 2015, 8, 171-178.	5.6	55
5	Utilization of waste lignin to prepare controlled-slow release urea. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2016, 5, 289-299.	2.0	55
6	Using Coal Fly Ash and Wastewater for Microwave Synthesis of LTA Zeolite. <i>Chemical Engineering and Technology</i> , 2014, 37, 1532-1540.	1.5	47
7	A comparative study using direct hydrothermal and indirect fusion methods to produce zeolites from coal fly ash utilizing single-mode microwave energy. <i>Journal of Materials Science</i> , 2014, 49, 8261-8271.	3.7	44
8	Modeling an industrial dissolved air flotation tank used for separating oil from wastewater. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 59, 1-8.	3.6	41
9	Developing a zero liquid discharge process for zeolitization of coal fly ash to synthetic NaP zeolite. <i>Fuel</i> , 2016, 171, 195-202.	6.4	41
10	Recent advances in the science and technology of natural zeolites in Iran. <i>Clay Minerals</i> , 2019, 54, 131-144.	0.6	39
11	Sonochemical synthesis of zeolite NaP from clinoptilolite. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 400-408.	8.2	37
12	Dissolving pulp from corn stalk residue and waste water of Merox unit. <i>Chemical Engineering Journal</i> , 2009, 152, 26-35.	12.7	35
13	Kinetics and thermodynamics of peroxydisulfate oxidation of Reactive Yellow 84. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 644-650.	5.2	31
14	Effect of microwave irradiation on crystal growth of zeolitized coal fly ash with different solid/liquid ratios. <i>Advanced Powder Technology</i> , 2017, 28, 2865-2874.	4.1	30
15	Sonochemical immobilization of MnO ₂ nanoparticles on NaP-zeolite for enhanced Hg (II) adsorption from water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103790.	6.7	26
16	Influence of water level on oil-water separation by residence time distribution curves investigations. <i>Separation and Purification Technology</i> , 2008, 64, 48-55.	7.9	24
17	An enhanced counter-current approach towards activated carbon from waste tissue with zero liquid discharge. <i>Chemical Engineering Journal</i> , 2017, 326, 934-944.	12.7	24
18	Synthesis of zeolite NaA using single mode microwave irradiation at atmospheric pressure: The effect of microwave power. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1081-1090.	1.7	23

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19	Modeling of modified airlift loop reactor with a concentric double-draft tube. <i>Chemical Engineering Research and Design</i> , 2010, 88, 919-927.	5.6	22
20	Multi-objective optimization of oxidative desulfurization in a sono-photochemical airlift reactor. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 50-61.	8.2	21
21	Enhancing mechanical properties of epoxy resin using waste lignin and salicylate alumoxane nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 602-612.	2.7	20
22	Synthesis, Characterization and Antibacterial Activity of Chlorophyllin Functionalized Graphene Oxide Nanostructures. <i>Science of Advanced Materials</i> , 2014, 6, 771-781.	0.7	19
23	Effect of alkyl chain in alcohol deinking of recycled fibers by flotation process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 131-141.	4.7	16
24	Investigating the flow structures in semi-cylindrical bubbling fluidized bed using pressure fluctuation signals. <i>Advanced Powder Technology</i> , 2019, 30, 1247-1256.	4.1	16
25	Residence time distribution measurements in a two dimensional rectangular airlift reactor by digital image processing. <i>Experimental Thermal and Fluid Science</i> , 2013, 51, 244-250.	2.7	15
26	Residence time distribution in an internal loop airlift reactor: CFD simulation versus digital image processing measurement. <i>Computers and Fluids</i> , 2018, 167, 221-228.	2.5	15
27	Response surface methodology for ozonation of trifluralin using advanced oxidation processes in an airlift photoreactor. <i>Applied Water Science</i> , 2017, 7, 3103-3112.	5.6	14
28	Mixing parameters for an airlift bioreactor considering constant cross sectional area of riser to downcomer: Effect of sparging gas location. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1226-1232.	2.7	13
29	Ultrasound-Assisted Synthesis of Cu and Cu/Ni Nanoparticles on NaP Zeolite Support as Antibacterial Agents. <i>Chemical Engineering and Technology</i> , 2016, 39, 2389-2403.	1.5	13
30	Synthesis and characterization maleate-alumoxane nanoparticles for removal of reactive yellow 84 dye from aqueous solution. <i>Advanced Powder Technology</i> , 2020, 31, 2061-2071.	4.1	13
31	Assessment of aqueous phase ozonation on aggregation of polyvinylpyrrolidone-capped silver nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34838-34851.	5.3	12
32	Reduction of dinitrotoluene by hydrated electrons generated from UV irradiation of toluene in wastewater: Towards cleaner production. <i>Journal of Cleaner Production</i> , 2019, 238, 117857.	9.3	11
33	Deinking in bubble column and airlift reactors: Influence of wastewater of Merox unit as pulping liquor. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1045-1051.	5.6	10
34	Digital Image Processing Technique to Investigate the Hydrodynamics of an Airlift Reactor with Double Downcomer. <i>Chemical Engineering and Technology</i> , 2015, 38, 2207-2216.	1.5	10
35	Investigating bubble dynamics in a semi-cylindrical gas-solid fluidized bed. <i>Powder Technology</i> , 2020, 370, 129-136.	4.2	7
36	Modeling of Multistage Bubble Column Reactors for Oxidation Reaction. <i>Chemical Engineering and Technology</i> , 2013, 36, 819-828.	1.5	6

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37	Degradation of 2,4-dichlorophenoxyacetate isopropyl amine (2,4-D IPA) by O ₃ /AC/UV in an internally slurry airlift photo-reactor. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3180-3191.	2.2	5
38	Instability of Î²-phase silver iodide nanoparticles in an aqueous medium by ozone. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105591.	6.7	5
39	Influence of high density particles in reduction of axial dispersion in liquid fluidized bed with residence time distribution curve studies. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 980-986.	2.7	4
40	Experimental and Computational Analysis on Influence of Water Level on Oil-Water Separator Efficiency. <i>Separation Science and Technology</i> , 2015, 50, 1695-1700.	2.5	4
41	Synthesis of Chitosan/Maleate-Alumoxane nanocomposite membranes for adsorption of anionic dye. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1761-1772.	2.7	3
42	Assessment of wastes recycling for drinking purposes in ozone assisted green process. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21859-21871.	5.3	3
43	Effect of Citric Acid and Sodium Chloride on Characteristics of Sunflower Seed Shell-Derived Activated Carbon. <i>Chemical Engineering and Technology</i> , 2021, 44, 1604-1617.	1.5	3
44	Unhairing of bovine hide using wastewater from Merox unit of oil refinery: techno-environmental aspect. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28180-28193.	5.3	2
45	Detrimental effect of industrial toluene organic impurities on the density of rigid polyurethane foam and their removal. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 204-214.	2.7	1