

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Instability of aqueous phase silver iodide nanoparticles in an aqueous medium by ozone. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105591. | 6.7 | 5 |
| 5 | 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 |
| 6 | 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 |
| 7 | Investigating bubble dynamics in a semi-cylindrical gas-solid fluidized bed. <i>Powder Technology</i> , 2020, 370, 129-136. | 4.2 | 7 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Recent advances in the science and technology of natural zeolites in Iran. <i>Clay Minerals</i> , 2019, 54, 131-144. | 0.6 | 39 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Multi-objective optimization of oxidative desulfurization in a sono-photochemical airlift reactor. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 50-61. | 8.2 | 21 |
| 17 | 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 |
| 18 | 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 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Kinetics and thermodynamics of peroxydisulfate oxidation of Reactive Yellow 84. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 644-650. | 5.2 | 31 |
| 23 | 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 |
| 24 | 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 |
| 25 | Synthesis of zeolite Na-P from coal fly ash by thermo-sonochemical treatment. <i>Fuel</i> , 2016, 182, 494-501. | 6.4 | 88 |
| 26 | 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 |
| 27 | Sonochemical synthesis of zeolite NaP from clinoptilolite. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 400-408. | 8.2 | 37 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Conversion of coal fly ash to zeolite utilizing microwave and ultrasound energies: A review. <i>Fuel</i> , 2015, 140, 250-266. | 6.4 | 235 |
| 33 | 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 |
| 34 | 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 |
| 35 | Synthesis, Characterization and Antibacterial Activity of Chlorophyllin Functionalized Graphene Oxide Nanostructures. <i>Science of Advanced Materials</i> , 2014, 6, 771-781. | 0.7 | 19 |
| 36 | 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 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Modeling of Multistage Bubble Column Reactors for Oxidation Reaction. Chemical Engineering and Technology, 2013, 36, 819-828. | 1.5 | 6 |
| 38 | Modeling an industrial dissolved air flotation tank used for separating oil from wastewater. Chemical Engineering and Processing: Process Intensification, 2012, 59, 1-8. | 3.6 | 41 |
| 39 | Deinking in bubble column and airlift reactors: Influence of wastewater of Merox unit as pulping liquor. Chemical Engineering Research and Design, 2012, 90, 1045-1051. | 5.6 | 10 |
| 40 | Influence of high density particles in reduction of axial dispersion in liquid fluidized bed with residence time distribution curve studies. Korean Journal of Chemical Engineering, 2011, 28, 980-986. | 2.7 | 4 |
| 41 | Mixing parameters for an airlift bioreactor considering constant cross sectional area of riser to downcomer: Effect of sparging gas location. Korean Journal of Chemical Engineering, 2010, 27, 1226-1232. | 2.7 | 13 |
| 42 | Modeling of modified airlift loop reactor with a concentric double-draft tube. Chemical Engineering Research and Design, 2010, 88, 919-927. | 5.6 | 22 |
| 43 | Dissolving pulp from corn stalk residue and waste water of Merox unit. Chemical Engineering Journal, 2009, 152, 26-35. | 12.7 | 35 |
| 44 | Influence of water level on oil-water separation by residence time distribution curves investigations. Separation and Purification Technology, 2008, 64, 48-55. | 7.9 | 24 |
| 45 | Effect of alkyl chain in alcohol deinking of recycled fibers by flotation process. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 131-141. | 4.7 | 16 |