

Behrouz Bayati

List of Publications by Year in descending order

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13
papers

195
citations

1040056

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1125743

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13
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular simulation of the ion exchange behavior of Cu ²⁺ , Cd ²⁺ and Pb ²⁺ ions on different zeolites exchanged with sodium. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103040.	6.7	37
2	Adsorption of diclofenac on mesoporous activated carbons: Physical and chemical activation, modeling with genetic programming and molecular dynamic simulation. <i>Chemical Engineering Research and Design</i> , 2021, 167, 116-128.	5.6	33
3	Molecular dynamics simulation of the effect of ions in water on the asphaltene aggregation. <i>Journal of Molecular Liquids</i> , 2019, 277, 40-48.	4.9	19
4	Optimization and genetic programming modeling of humic acid adsorption onto prepared activated carbon and modified by multi-wall carbon nanotubes. <i>Polyhedron</i> , 2020, 179, 114354.	2.2	18
5	Study of adsorption and diffusion of methyl mercaptan and methane on FAU zeolite using molecular simulation. <i>Polyhedron</i> , 2019, 171, 403-410.	2.2	16
6	Chemical study of asphaltene inhibitors effects on asphaltene precipitation of an Iranian oil field. <i>Oil and Gas Science and Technology</i> , 2020, 75, 6.	1.4	15
7	Application of NF Polymeric Membranes for Removal of Multicomponent Heat-Stable Salts (HSS) Ions from Methyl Diethanolamine (MDEA) Solutions. <i>Molecules</i> , 2020, 25, 4911.	3.8	12
8	Removal of HSS from industrial amine solution by anionic resin (case study: Ilam gas refinery). <i>Chemical Papers</i> , 2019, 73, 491-500.	2.2	10
9	Removal of Heat-Stable Salts from Lean Amine of a Gas Refinery via Electrodialysis. <i>Chemical Engineering and Technology</i> , 2021, 44, 318-328.	1.5	10
10	Study on the Separation of H ₂ from CO ₂ Using a ZIF-8 Membrane by Molecular Simulation and Maxwell-Stefan Model. <i>Molecules</i> , 2019, 24, 4350.	3.8	9
11	Modeling of Nanofiltration Process Using DSPM-DE Model for Purification of Amine Solution. <i>Membranes</i> , 2021, 11, 230.	3.0	9
12	Synthesis and Application of Cu-X zeolite for Removal of Antibiotic from Aqueous Solution: Process Optimization Using Response Surface Methodology. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5381-5397.	3.0	5
13	MODELLING ION TRANSPORT IN AN AMINE SOLUTION THROUGH A NANOFILTRATION MEMBRANE. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1667-1677.	1.3	2