Azari, Ahmad

List of Publications by Year
in descending order

23 papers	1,059 citations	759055 12 h-index	752573 20 g-index
23 all docs	23 docs citations	23 times ranked	1351 citing authors

#	Article	IF	Citations
1	Removal of Heavy Metals from Industrial Wastewaters: A Review. ChemBioEng Reviews, 2017, 4, 37-59.	2.6	739
2	COD removal from industrial spent caustic wastewater: A review. Journal of Environmental Chemical Engineering, 2020, 8, 103678.	3.3	41
3	An experimental comparison of convective heat transfer and friction factor of Al_2O_3 nanofluids in a tube with and without butterfly tube inserts. Journal of the Taiwan Institute of Chemical Engineers, 2015, 52, 31-39.	2.7	36
4	Experimental investigation of CO_2 removal from N_2 by metal oxide nanofluids in a hollow fiber membrane contactor. International Journal of Greenhouse Gas Control, 2018, 69, 60-71.	2.3	36
5	CFD and experimental investigation on the heat transfer characteristics of alumina nanofluids under the laminar flow regime. Brazilian Journal of Chemical Engineering, 2014, 31, 469-481.	0.7	31
6	An Experimental Study on Nanofluids Convective Heat Transfer Through a Straight Tube under Constant Heat Flux. Chinese Journal of Chemical Engineering, 2013, 21, 1082-1088.	1.7	28
7	CFD study of CO 2 separation in an HFMC: Under non-wetted and partially-wetted conditions. International Journal of Greenhouse Gas Control, 2016, 49, 81-93.	2.3	22
8	Experimental investigation of petrochemical industrial wastewater treatment by a combination of integrated fixed-film activated sludge (IFAS) and electro-Fenton methods. Journal of Environmental Chemical Engineering, 2020, 8, 104537.	3.3	19
9	A Review of Modeling Rotating Packed Beds and Improving Their Parameters: Gasâ€"Liquid Contact. Sustainability, 2021, 13, 8046.	1.6	18
10	Numerical Study on the Laminar Convective Heat Transfer of Alumina/Water Nanofluids. Journal of Thermophysics and Heat Transfer, 2013, 27, 170-173.	0.9	14
11	A Thermal Conductivity Model for Nanofluids Heat Transfer Enhancement. Petroleum Science and Technology, 2014, 32, 91-99.	0.7	12
12	Measurement and correlation for CO_2 mass diffusivity in various metal oxide nanofluids. Journal of Environmental Chemical Engineering, 2020, 8, 103598.	3.3	12
13	Experimental and numerical investigation of microencapsulated phase change material slurry heat transfer inside a tube with butterfly tube inserts. Applied Thermal Engineering, 2020, 174, 115270.	3.0	12
14	An experimental comparison of water based alumina and silica nanofluids heat transfer in laminar flow regime. Journal of Central South University, 2013, 20, 3582-3588.	1.2	10
15	Thermal conductivity modeling of water containing metal oxide nanoparticles. Journal of Central South University, 2015, 22, 1141-1145.	1.2	7
16	Prediction the Vapor-Liquid Equilibria of CO_2-Containing Binary Refrigerant Mixtures Using Artificial Neural Networks. ISRN Chemical Engineering, 2013, 2013, 1-11.	1.2	5
17	Adsorption of synthetic and real Kinetic Hydrate Inhibitors (KHI) wastewaters on activated carbon: adsorption kinetics, isotherms, and optimized conditions. Separation Science and Technology, 2021, 56, 2266-2277.	1.3	5
18	ynthesis and characterization of TiO_2 nano-particles loaded activated carbon for Congo Red removal from wastewater: kinetic and equilibrium studies. , 0, 124, 308-318.		5

#	Article	IF	Citations
19	Experimental Investigation of Mass Transfer Intensification for CO_2 Capture by Environment-Friendly Water Based Nanofluid Solvents in a Rotating Packed Bed. Sustainability, 2022, 14, 6559.	1.6	3
20	Fracture Analysis of Compressor Impellers in Olefin Units: Numerical and Metallurgical Approach. Advances in Materials Science and Engineering, 2022, 2022, 1-16.	1.0	2
21	A CFD technique to investigate the chocked flow and heat transfer characteristic in a micro-channel heat sink. International Journal of Computational Materials Science and Engineering, 2015, 04, 1550007.	0.5	1
22	Computational fluid dynamics analysis of CO_2 absorption intensification in an hollow fiber membrane contactor using SiO_2 and carbon nanotubes nanofluids. Environmental Progress and Sustainable Energy, 0, , e13777.	1.3	1
23	A General Hybrid GMDH–PNN Model to Predict Thermal Conductivity for Different Groups of Nanofluids. Theoretical Foundations of Chemical Engineering, 2019, 53, 318-331.	0.2	0