

Masoud Bahrami

List of Publications by Year in descending order

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21
papers

647
citations

623188

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713013

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all docs

21
docs citations

21
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Investigation of Propane Gas Hydrate Formation by Tracking Particle Size Evolution in the Presence of THF. ACS Sustainable Chemistry and Engineering, 2022, 10, 3633-3642.	3.2	3
2	Experimental and modeling investigations of temperature effect on chemical inhibitors of asphaltene aggregation. Journal of Petroleum Science and Engineering, 2021, 205, 108858.	2.1	13
3	Experimental study of asphaltene deposition: Focus on critical size and temperature effect. Journal of Petroleum Science and Engineering, 2019, 181, 106186.	2.1	9
4	The Effect of Shear Rate on Aggregation and Fragmentation of Asphaltene Aggregates. Journal of Dispersion Science and Technology, 2019, 40, 836-845.	1.3	8
5	Influence of Temperature on Aggregation and Stability of Asphaltenes. II. Orthokinetic Aggregation. Energy & Fuels, 2018, 32, 6144-6154.	2.5	21
6	Influence of Temperature on Aggregation and Stability of Asphaltenes. I. Perikinetic Aggregation. Energy & Fuels, 2017, 31, 11169-11180.	2.5	31
7	Parametric analysis of the effect of operation parameters on asphaltene deposition: An experimental study. Petroleum Science and Technology, 2017, 35, 1989-1994.	0.7	12
8	The boiling performance of ZnO, Al_2O_3 and MWCNTs/water nanofluids: An experimental study. Experimental Thermal and Fluid Science, 2017, 80, 27-39.	1.5	31
9	Investigation on the Effect of Type and Size of Nanoparticles and Surfactant on Pool Boiling Heat Transfer of Nanofluids. Journal of Heat Transfer, 2016, 138, .	1.2	14
10	A RBF model for predicting the pool boiling behavior of nanofluids over a horizontal rod heater. International Journal of Thermal Sciences, 2016, 99, 180-194.	2.6	57
11	Influence of coating conditions on the H ₂ separation performance from H ₂ /CH ₄ gas mixtures by the PDMS/PEI composite membrane. International Journal of Hydrogen Energy, 2014, 39, 6588-6597.	3.8	39
12	Preparation, characterization and gas permeation properties of PDMS/PEI composite asymmetric membrane for effective separation of hydrogen from H ₂ /CH ₄ mixed gas. International Journal of Hydrogen Energy, 2014, 39, 1410-1419.	3.8	37
13	Experimental investigation and CFD modeling of the dynamics of bubbles in nanofluid pool boiling. International Communications in Heat and Mass Transfer, 2014, 58, 12-24.	2.9	35
14	Experimental investigation on pool boiling heat transfer of ZnO, and CuO water-based nanofluids and effect of surfactant on heat transfer coefficient. International Communications in Heat and Mass Transfer, 2013, 45, 122-129.	2.9	50
15	Separation of hydrogen from methane by asymmetric PEI membranes. Journal of Industrial and Engineering Chemistry, 2013, 19, 1680-1688.	2.9	33
16	Role of critical concentration of PEI in NMP solutions on gas permeation characteristics of PEI gas separation membranes. Journal of Industrial and Engineering Chemistry, 2013, 19, 677-685.	2.9	43
17	The agglomeration kinetics of aluminum hydroxide in Bayer process. Powder Technology, 2012, 224, 351-355.	2.1	14
18	Production of micro- and nano-composite particles by supercritical carbon dioxide. Journal of Supercritical Fluids, 2007, 40, 263-283.	1.6	149

#	ARTICLE	IF	CITATIONS
19	Radiative models for the furnace side of a bottom-fired reformer. Applied Thermal Engineering, 2005, 25, 2398-2411.	3.0	9
20	Modelling and simulation of syngas unit in large scale direct reduction plant. Ironmaking and Steelmaking, 2003, 30, 18-24.	1.1	14
21	Mechanism and estimation of Al(OH) ₃ crystal growth. Journal of Crystal Growth, 2002, 234, 721-730.	0.7	25