

# Masoud Bahrami

## List of Publications by Year in descending order

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21  
papers

647  
citations

623188

14  
h-index

713013

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of micro- and nano-composite particles by supercritical carbon dioxide. Journal of Supercritical Fluids, 2007, 40, 263-283.	1.6	149
2	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
3	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
4	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
5	Influence of coating conditions on the H <sub>2</sub> separation performance from H <sub>2</sub> /CH <sub>4</sub> gas mixtures by the PDMS/PEI composite membrane. International Journal of Hydrogen Energy, 2014, 39, 6588-6597.	3.8	39
6	Preparation, characterization and gas permeation properties of PDMS/PEI composite asymmetric membrane for effective separation of hydrogen from H <sub>2</sub> /CH <sub>4</sub> mixed gas. International Journal of Hydrogen Energy, 2014, 39, 1410-1419.	3.8	37
7	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
8	Separation of hydrogen from methane by asymmetric PEI membranes. Journal of Industrial and Engineering Chemistry, 2013, 19, 1680-1688.	2.9	33
9	Influence of Temperature on Aggregation and Stability of Asphaltenes. I. Perikinetic Aggregation. Energy & Fuels, 2017, 31, 11169-11180.	2.5	31
10	The boiling performance of ZnO, $\hat{1}\pm$ -Al <sub>2</sub> O <sub>3</sub> and MWCNTs/water nanofluids: An experimental study. Experimental Thermal and Fluid Science, 2017, 80, 27-39.	1.5	31
11	Mechanism and estimation of Al(OH) <sub>3</sub> crystal growth. Journal of Crystal Growth, 2002, 234, 721-730.	0.7	25
12	Influence of Temperature on Aggregation and Stability of Asphaltenes. II. Orthokinetic Aggregation. Energy & Fuels, 2018, 32, 6144-6154.	2.5	21
13	Modelling and simulation of syngas unit in large scale direct reduction plant. Ironmaking and Steelmaking, 2003, 30, 18-24.	1.1	14
14	The agglomeration kinetics of aluminum hydroxide in Bayer process. Powder Technology, 2012, 224, 351-355.	2.1	14
15	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
16	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
17	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
18	Radiative models for the furnace side of a bottom-fired reformer. Applied Thermal Engineering, 2005, 25, 2398-2411.	3.0	9

#	ARTICLE	IF	CITATIONS
19	Experimental study of asphaltene deposition: Focus on critical size and temperature effect. Journal of Petroleum Science and Engineering, 2019, 181, 106186.	2.1	9
20	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
21	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