Mohammad Taghi Sadeghi

List of Publications by Year
in descending order

38 papers	557 citations	566801 15 h-index	676716 22 g-index
38 all docs	38 docs citations	38 times ranked	667 citing authors

#	Article	IF	Citations
1	Design and optimization of a cavitating device for Congo red decolorization: Experimental investigation and CFD simulation. Ultrasonics Sonochemistry, 2021, 71, 105386.	3.8	26
2	Facile fabrication of ultra-robust underwater superoleophobic coating with remarkable self-cleaning performance in harsh environments. Materials Chemistry and Physics, 2021, 263, 124413.	2.0	5
3	Desulfurization of non-hydrotreated kerosene using hydrodynamic cavitation assisted oxidative desulfurization (HCAOD) process. Journal of Environmental Chemical Engineering, 2020, 8, 103832.	3.3	17
4	Intensification of diesel oxidative desulfurization via hydrodynamic cavitation. Ultrasonics Sonochemistry, 2019, 58, 104698.	3.8	35
5	Coomassie Brilliant Blue (CBB) degradation using hydrodynamic cavitation, hydrogen peroxide and activated persulfate (HC-H2O2-KPS) combined process. Chemical Engineering and Processing: Process Intensification, 2019, 145, 107674.	1.8	28
6	Development of a dataâ€driven fuzzy screening model for enhanced oil recovery methods using an adaptive weighting system. Canadian Journal of Chemical Engineering, 2019, 97, 3035-3051.	0.9	6
7	Impact of amine@ZnO/CNT and fatty acid@ZnO/CNT as hydrophilic functionalized nanocomposites on reduction of heavy oil viscosity. Journal of Petroleum Science and Engineering, 2019, 172, 199-208.	2.1	11
8	Effect of NiO/SiO2 nanofluids on the ultra interfacial tension reduction between heavy oil and aqueous solution and their use for wettability alteration of carbonate rocks. Journal of Petroleum Science and Engineering, 2019, 176, 11-26.	2.1	31
9	Improved Minimum Miscibility Pressure Prediction for Gas Injection Process in Petroleum Reservoir. Natural Resources Research, 2018, 27, 517-529.	2.2	2
10	Stable superhydrophilic coating on superhydrophobic porous media by functionalized nanoparticles. Materials Research Express, 2018, 5, 015019.	0.8	5
11	An upscaling approach using adaptive multi-resolution upgridding and automated relative permeability adjustment. Computational Geosciences, 2018, 22, 261-282.	1.2	10
12	Production improvement in gas condensate reservoirs by wettability alteration, using superamphiphobic titanium oxide nanofluid. Oil and Gas Science and Technology, 2018, 73, 46.	1.4	10
13	Improving oleophobicity and hydrophilicity of superhydrophobic surface by TiO₂-based coatings. Materials Research Express, 2018, 5, 085010.	0.8	10
14	Wettability alteration from superhydrophobic to superhydrophilic via synthesized stable nano-coating. Surface and Coatings Technology, 2017, 326, 79-86.	2.2	16
15	Superamphiphobic Surfaces Prepared by Coating Multifunctional Nanofluids. ACS Applied Materials & Interfaces, 2016, 8, 32011-32020.	4.0	29
16	Mathematical modeling of aroma compound recovery from natural sources using hollow fiber membrane contactors with small packing fraction. Chemical Engineering and Processing: Process Intensification, 2016, 102, 194-201.	1.8	12
17	Combination of data rectification techniques and soft sensor model for robust prediction of sulfur content in HDS process. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 117-126.	2.7	13
18	Soft sensor design for hydrodesulfurization process using support vector regression based on WT and PCA. Journal of Central South University, 2015, 22, 511-521.	1.2	7

#	Article	IF	Citations
19	Experimental measurement and thermodynamic modelling of phase equilibria of semi-clathrate hydrates of (CO2+tetra-n-butyl-ammonium bromide) aqueous solution. Journal of Chemical Thermodynamics, 2015, 87, 122-128.	1.0	22
20	Improvement of the prediction performance of a soft sensor model based on support vector regression for production of ultra-low sulfur diesel. Petroleum Science, 2015, 12, 177-188.	2.4	20
21	Wettability alteration of carbonate rocks from liquid-wetting to ultra gas-wetting using TiO 2 , SiO 2 and CNT nanofluids containing fluorochemicals, for enhanced gas recovery. Journal of Natural Gas Science and Engineering, 2015, 26, 1294-1305.	2.1	57
22	Theoretical and experimental study of phase equilibrium of semi-clathrate hydrates of methaneÂ+Âtetra-n-butyl-ammonium bromide aqueous solution. Journal of Natural Gas Science and Engineering, 2015, 27, 1771-1779.	2.1	11
23	Integrating principal component analysis and vector quantization with support vector regression for sulfur content prediction in HDS process. Chemical Industry and Chemical Engineering Quarterly, 2015, 21, 379-390.	0.4	8
24	A novel three pseudo-component approach (ThPCA) for thermodynamic description of hydrocarbon-water systems. Journal of Petroleum Exploration and Production, 2014, 4, 281-289.	1.2	2
25	High reliability estimation of product quality using support vector regression and hybrid meta-heuristic algorithms. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2225-2232.	2.7	16
26	The optimization of continuous gas lift process using an integrated compositional model. Journal of Petroleum Science and Engineering, 2013, 108, 321-327.	2.1	11
27	Micro-kinetic modeling of OCM reactions over Mn/Na2WO4/SiO2 catalyst. Fuel Processing Technology, 2013, 115, 79-87.	3.7	24
28	Optimization of Fischerâ€Tropsch Process in a Fixedâ€Bed Reactor Using Nonâ€uniform Catalysts. Chemical Engineering and Technology, 2013, 36, 62-72.	0.9	19
29	Chemical structure of autoignition in a turbulent lifted H2/N2 jet flame issuing into a vitiated coflow. Combustion and Flame, 2013, 160, 2928-2940.	2.8	10
30	Analysis of autoignition of a turbulent lifted H2/N2 jet flame issuing into a vitiated coflow. International Journal of Hydrogen Energy, 2013, 38, 2510-2522.	3.8	15
31	Compositional Description of Three-Phase Flow Model in a Gas-Lifted Well with High Water-Cut. Oil and Gas Science and Technology, 2013, 68, 331-340.	1.4	2
32	Performance Analysis of Compositional and Modified Black-Oil Models For a Gas Lift Process. Oil and Gas Science and Technology, 2013, 68, 319-330.	1.4	1
33	Optimization of OCM reaction conditions over Naâ€“Wâ€“Mn/SiO2 catalyst at elevated pressure. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 751-759.	2.7	13
34	Effects of operating parameters on oxidative coupling of methane over Na-W-Mn/SiO2 catalyst at elevated pressures. Journal of Natural Gas Chemistry, 2011, 20, 204-213.	1.8	26
35	The Modeling and Simulation of the IWAG Process in Petroleum Reservoirs. Petroleum Science and Technology, 2010, 28, 1632-1642.	0.7	0
36	The Optimization of an Ammonia Synthesis Reactor Using Genetic Algorithm. International Journal of Chemical Reactor Engineering, 2009, 6, .	0.6	5

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37	Estimation of Kinetic Parameters for Hydrogenation Reactions Using a Genetic Algorithm. Chemical Engineering and Technology, 2009, 32, 1588-1594.	0.9	17
38	CFD Simulation of a Methane Steam Reforming Reactor. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	5