Mohammad Madani

List of Publications by Year
in descending order

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		759233	713466
24	467	12	21
papers	citations	h-index	g-index

24	24	24	378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mixed salt precipitation and water evaporation during smart water alternative CO2 injection in carbonate reservoirs. Journal of Petroleum Science and Engineering, 2022, 208, 109258.	4.2	4
2	Modeling n-alkane solubility in supercritical CO2 via intelligent methods. Journal of Petroleum Exploration and Production, 2021, 11, 279-287.	2.4	4
3	Stability, flocculation, and rheological behavior of silica suspension-augmented polyacrylamide and the possibility to improve polymer flooding functionality. Journal of Molecular Liquids, 2021, 322, 114572.	4.9	30
4	Modeling apparent viscosity of waxy crude oils doped with polymeric wax inhibitors. Journal of Petroleum Science and Engineering, 2021, 196, 108076.	4.2	9
5	Analytical solutions of advection-dispersion-reaction equation with first decay under constant and time-dependent boundary conditions: Mass transfer shape factor effects. Groundwater for Sustainable Development, 2021, 15, 100691.	4.6	6
6	A Systematic Study to Assess Displacement Performance of a Naturally-Derived Surfactant in Flow Porous Systems. Energies, 2021, 14, 8310.	3.1	4
7	Prediction of oil flow rate through an orifice flow meter: Artificial intelligence alternatives compared. Petroleum, 2020, 6, 404-414.	2.8	43
8	Thermodynamic investigation of asphaltene precipitation and deposition profile in wellbore: A case study. Journal of Molecular Liquids, 2020, 320, 114468.	4.9	10
9	A novel linear solver for simulating highly heterogeneous black oil reservoirs. Journal of Petroleum Science and Engineering, 2020, 194, 107506.	4.2	4
10	Evaluation of different thermodynamic models in predicting asphaltene precipitation: A comparative study. Fluid Phase Equilibria, 2020, 514, 112557.	2.5	18
11	A new model for predicting asphaltene precipitation of diluted crude oil by implementing LSSVM-CSA algorithm. Petroleum Science and Technology, 2019, 37, 2252-2259.	1.5	11
12	Predicting asphaltene precipitation during titration of diluted crude oil with paraffin using artificial neural network (ANN). Petroleum Science and Technology, 2019, 37, 2397-2403.	1.5	6
13	Accurate prediction of electrical conductivity of ionic liquids + propylene carbonate binary mixtures. Journal of Molecular Liquids, 2019, 279, 400-410.	4.9	13
14	Mechanistic assessment of Seidlitzia Rosmarinus-derived surfactant for restraining shale hydration: A comprehensive experimental investigation. Chemical Engineering Research and Design, 2019, 147, 570-578.	5.6	28
15	Screening of enhanced oil recovery techniques for Iranian oil reservoirs using TOPSIS algorithm. Energy Reports, 2019, 5, 529-544.	5.1	45
16	Experimental investigation of asphaltene-augmented gel polymer performance for water shut-off and enhancing oil recovery in fractured oil reservoirs. Journal of Molecular Liquids, 2019, 275, 654-666.	4.9	35
17	Fundamental investigation of an environmentally-friendly surfactant agent for chemical enhanced oil recovery. Fuel, 2019, 238, 186-197.	6.4	89
18	Connectionist approaches for solubility prediction of n-alkanes in supercritical carbon dioxide. Neural Computing and Applications, 2018, 29, 295-305.	5.6	9

#	Article	IF	Citations
19	An experimental investigation of polyacrylamide and sulfonated polyacrylamides based gels crosslinked with cr(III)-acetate for water shutoff in fractured oil reservoirs. Journal of Dispersion Science and Technology, 2018, 39, 1780-1789.	2.4	14
20	Effects of Convection and Fracture Boundary Conditions on Heat Transfer Shape Factor in Fractured Geothermal Reservoirs. Transport in Porous Media, 2018, 125, 357-375.	2.6	1
21	Experimental and theoretical investigation of CTAB microemulsion viscosity in the chemical enhanced oil recovery process. Journal of Molecular Liquids, 2017, 232, 382-389.	4.9	28
22	Evolving ANFIS model to estimate density of bitumen-tetradecane mixtures. Petroleum Science and Technology, 2017, 35, 120-126.	1.5	12
23	The preparation of an amino acid-based surfactant and its potential application as an EOR agent. Petroleum Science and Technology, 2017, 35, 385-391.	1.5	28
24	Modeling of CO2-brine interfacial tension: Application to enhanced oil recovery. Petroleum Science and Technology, 2017, 35, 2179-2186.	1.5	16