

Mohammad Madani

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

467
citations

759233

12
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental investigation of an environmentally-friendly surfactant agent for chemical enhanced oil recovery. <i>Fuel</i> , 2019, 238, 186-197.	6.4	89
2	Screening of enhanced oil recovery techniques for Iranian oil reservoirs using TOPSIS algorithm. <i>Energy Reports</i> , 2019, 5, 529-544.	5.1	45
3	Prediction of oil flow rate through an orifice flow meter: Artificial intelligence alternatives compared. <i>Petroleum</i> , 2020, 6, 404-414.	2.8	43
4	Experimental investigation of asphaltene-augmented gel polymer performance for water shut-off and enhancing oil recovery in fractured oil reservoirs. <i>Journal of Molecular Liquids</i> , 2019, 275, 654-666.	4.9	35
5	Stability, flocculation, and rheological behavior of silica suspension-augmented polyacrylamide and the possibility to improve polymer flooding functionality. <i>Journal of Molecular Liquids</i> , 2021, 322, 114572.	4.9	30
6	Experimental and theoretical investigation of CTAB microemulsion viscosity in the chemical enhanced oil recovery process. <i>Journal of Molecular Liquids</i> , 2017, 232, 382-389.	4.9	28
7	The preparation of an amino acid-based surfactant and its potential application as an EOR agent. <i>Petroleum Science and Technology</i> , 2017, 35, 385-391.	1.5	28
8	Mechanistic assessment of <i>Seidlitzia Rosmarinus</i> -derived surfactant for restraining shale hydration: A comprehensive experimental investigation. <i>Chemical Engineering Research and Design</i> , 2019, 147, 570-578.	5.6	28
9	Evaluation of different thermodynamic models in predicting asphaltene precipitation: A comparative study. <i>Fluid Phase Equilibria</i> , 2020, 514, 112557.	2.5	18
10	Modeling of CO ₂ -brine interfacial tension: Application to enhanced oil recovery. <i>Petroleum Science and Technology</i> , 2017, 35, 2179-2186.	1.5	16
11	An experimental investigation of polyacrylamide and sulfonated polyacrylamides based gels crosslinked with cr(III)-acetate for water shutoff in fractured oil reservoirs. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1780-1789.	2.4	14
12	Accurate prediction of electrical conductivity of ionic liquids + propylene carbonate binary mixtures. <i>Journal of Molecular Liquids</i> , 2019, 279, 400-410.	4.9	13
13	Evolving ANFIS model to estimate density of bitumen-tetradecane mixtures. <i>Petroleum Science and Technology</i> , 2017, 35, 120-126.	1.5	12
14	A new model for predicting asphaltene precipitation of diluted crude oil by implementing LSSVM-CSA algorithm. <i>Petroleum Science and Technology</i> , 2019, 37, 2252-2259.	1.5	11
15	Thermodynamic investigation of asphaltene precipitation and deposition profile in wellbore: A case study. <i>Journal of Molecular Liquids</i> , 2020, 320, 114468.	4.9	10
16	Connectionist approaches for solubility prediction of n-alkanes in supercritical carbon dioxide. <i>Neural Computing and Applications</i> , 2018, 29, 295-305.	5.6	9
17	Modeling apparent viscosity of waxy crude oils doped with polymeric wax inhibitors. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108076.	4.2	9
18	Predicting asphaltene precipitation during titration of diluted crude oil with paraffin using artificial neural network (ANN). <i>Petroleum Science and Technology</i> , 2019, 37, 2397-2403.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Analytical solutions of advection-dispersion-reaction equation with first decay under constant and time-dependent boundary conditions: Mass transfer shape factor effects. <i>Groundwater for Sustainable Development</i> , 2021, 15, 100691.	4.6	6
20	A novel linear solver for simulating highly heterogeneous black oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107506.	4.2	4
21	Modeling n-alkane solubility in supercritical CO ₂ via intelligent methods. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 279-287.	2.4	4
22	Mixed salt precipitation and water evaporation during smart water alternative CO ₂ injection in carbonate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109258.	4.2	4
23	A Systematic Study to Assess Displacement Performance of a Naturally-Derived Surfactant in Flow Porous Systems. <i>Energies</i> , 2021, 14, 8310.	3.1	4
24	Effects of Convection and Fracture Boundary Conditions on Heat Transfer Shape Factor in Fractured Geothermal Reservoirs. <i>Transport in Porous Media</i> , 2018, 125, 357-375.	2.6	1