

Amin Rezaei

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

334
citations

933447

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1281871

11
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13
all docs

13
docs citations

13
times ranked

214
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating surfactant, alkali and nano-fluid flooding for enhanced oil recovery: A mechanistic experimental study of novel chemical combinations. <i>Journal of Molecular Liquids</i> , 2020, 308, 113106.	4.9	68
2	Surfactant-silica nanoparticle stabilized N ₂ -foam flooding: A mechanistic study on the effect of surfactant type and temperature. <i>Journal of Molecular Liquids</i> , 2021, 325, 115091.	4.9	49
3	A mechanistic experimental study on the combined effect of Mg ²⁺ , Ca ²⁺ , and SO ₄ ²⁻ ions and a cationic surfactant in improving the surface properties of oil/water/rock system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 587, 124327.	4.7	43
4	Insights into the Effects of Pore Size Distribution on the Flowing Behavior of Carbonate Rocks: Linking a Nano-Based Enhanced Oil Recovery Method to Rock Typing. <i>Nanomaterials</i> , 2020, 10, 972.	4.1	39
5	Relative Permeability of Hydrogen and Aqueous Brines in Sandstones and Carbonates at Reservoir Conditions. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	35
6	On the Evaluation of Interfacial Tension (IFT) of CO ₂ -Paraffin System for Enhanced Oil Recovery Process: Comparison of Empirical Correlations, Soft Computing Approaches, and Parachor Model. <i>Energies</i> , 2021, 14, 3045.	3.1	23
7	Rock Porous Structure Characterization: A Critical Assessment of Various State-of-the-Art Techniques. <i>Transport in Porous Media</i> , 2021, 136, 431-456.	2.6	22
8	Effects of initial wettability and different surfactant-silica nanoparticles flooding scenarios on oil-recovery from carbonate rocks. <i>Petroleum</i> , 2022, 8, 499-508.	2.8	16
9	Development of an efficient hybrid GA-PSO approach applicable for well placement optimization. <i>Advances in Geo-Energy Research</i> , 2019, 3, 365-374.	6.0	15
10	An experimental study of the combination of smart water and silica nanoparticles to improve the recovery of asphaltenic oil from carbonate reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109445.	4.2	11
11	Insights into the flow behaviour of the pre-generated polymer enhanced foam in heterogeneous porous media during tertiary oil recovery: Effect of gravitational forces. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110385.	4.2	10
12	Combination of chemical methods. , 2022, , 401-431.		2
13	Formation damage during chemical flooding. , 2022, , 461-478.		1