

Ali Shafiei

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

924
citations

623734

14
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

892
citing authors

#	ARTICLE	IF	CITATIONS
1	Asphaltene precipitation and deposition in oil reservoirs – Technical aspects, experimental and hybrid neural network predictive tools. <i>Chemical Engineering Research and Design</i> , 2014, 92, 857-875.	5.6	146
2	Nonionic Surfactant for Enhanced Oil Recovery from Carbonates: Adsorption Kinetics and Equilibrium. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9894-9905.	3.7	143
3	Estimating hydrogen sulfide solubility in ionic liquids using a machine learning approach. <i>Journal of Supercritical Fluids</i> , 2014, 95, 525-534.	3.2	100
4	A new screening tool for evaluation of steamflooding performance in Naturally Fractured Carbonate Reservoirs. <i>Fuel</i> , 2013, 108, 502-514.	6.4	98
5	A developed smart technique to predict minimum miscible pressure – or implications. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1325-1337.	1.7	92
6	Empirical Modeling of Gravity Drainage in Fractured Porous Media. <i>Energy & Fuels</i> , 2011, 25, 1229-1241.	5.1	51
7	Geomechanics of thermal viscous oil production in sandstones. <i>Journal of Petroleum Science and Engineering</i> , 2013, 103, 121-139.	4.2	48
8	Modeling of CO ₂ droplets shrinkage in ex situ dissolution approach with application to geological sequestration: Analytical solutions and feasibility study. <i>Chemical Engineering Journal</i> , 2012, 197, 448-458.	12.7	32
9	Synthesis, Characterization, and Assessment of a CeO ₂ @Nanoclay Nanocomposite for Enhanced Oil Recovery. <i>Nanomaterials</i> , 2020, 10, 2280.	4.1	27
10	Effect of Initial Wettability on Performance of Smart Water Flooding in Carbonate Reservoirs – An Experimental Investigation with IOR Implications. <i>Energies</i> , 2018, 11, 1394.	3.1	22
11	A systematic and critical review of application of molecular dynamics simulation in low salinity water injection. <i>Advances in Colloid and Interface Science</i> , 2022, 300, 102594.	14.7	21
12	Characterization of crude oils and asphaltenes using the PC-SAFT EoS: A systematic review. <i>Fuel</i> , 2021, 291, 120180.	6.4	20
13	Droplets evolution during ex situ dissolution technique for geological CO ₂ sequestration: Experimental and mathematical modelling. <i>International Journal of Greenhouse Gas Control</i> , 2013, 13, 201-214.	4.6	19
14	Insights from molecular dynamics on CO ₂ diffusion coefficient in saline water over a wide range of temperatures, pressures, and salinity: CO ₂ geological storage implications. <i>Journal of Molecular Liquids</i> , 2022, 345, 117868.	4.9	17
15	Data-Driven Connectionist Models for Performance Prediction of Low Salinity Waterflooding in Sandstone Reservoirs. <i>ACS Omega</i> , 2021, 6, 32304-32326.	3.5	13
16	Mathematical Model for Steamflooding Naturally Fractured Carbonate Reservoirs. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7993-8008.	3.7	12
17	Effects of asphaltene structure and polythiophene-coated magnetite nanoparticles on surface topography and wettability alteration of silica surface. <i>Journal of Molecular Liquids</i> , 2022, 349, 118470.	4.9	12
18	Atomistic insights into role of low salinity water on montmorillonite-brine interface: Implications for EOR from clay-bearing sandstone reservoirs. <i>Journal of Molecular Liquids</i> , 2022, 353, 118803.	4.9	10

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19	Natural Fractures Characterization and In Situ Stresses Inference in a Carbonate Reservoir” An Integrated Approach. <i>Energies</i> , 2018, 11, 312.	3.1	9
20	NUMERICAL SIMULATION OF FREE FALL AND CONTROLLED GRAVITY DRAINAGE PROCESSES IN POROUS MEDIA. <i>Journal of Porous Media</i> , 2012, 15, 211-232.	1.9	7
21	Multiple hydrocarbon charging events in K&M&ond oil field, C&F&ars: evidence from biomarkers in oil inclusions. <i>Geofluids</i> , 2013, 13, 594-609.	0.7	5
22	Data Analytics Techniques for Performance Prediction of Steamflooding in Naturally Fractured Carbonate Reservoirs. <i>Energies</i> , 2018, 11, 292.	3.1	4
23	GEOMECHANICS OF THERMAL OIL PRODUCTION FROM CARBONATE RESERVOIRS. <i>Journal of Porous Media</i> , 2014, 17, 301-321.	1.9	3
24	PVTX characteristics of oil inclusions from Asmari formation in Kuh-e-Mond heavy oil field in Iran. <i>International Journal of Earth Sciences</i> , 2015, 104, 603-623.	1.8	2
25	Densities for Ternary System of CaCl ₂ –H ₂ O–CO ₂ at Elevated P-T: An Experimental and Modeling Approach. <i>Energies</i> , 2018, 11, 2840.	3.1	1
26	Weathering and geomechanical properties of Alvand granitic rocks, western Iran. , 2007, , 835-842.		1
27	Side View Seismic Location Method Helps Fracture Characterization in a Giant Fractured Carbonate Heavy Oil Field in Iran. , 2009, , .		0