

Soheil Saraji

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,335
citations

471061

17
h-index

525886

27
g-index

30
all docs

30
docs citations

30
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Wettability of Supercritical Carbon Dioxide/Water/Quartz Systems: Simultaneous Measurement of Contact Angle and Interfacial Tension at Reservoir Conditions. <i>Langmuir</i> , 2013, 29, 6856-6866.	1.6	211
2	A review on capillary condensation in nanoporous media: Implications for hydrocarbon recovery from tight reservoirs. <i>Fuel</i> , 2016, 184, 344-361.	3.4	172
3	Dynamic interfacial tension and wettability of shale in the presence of surfactants at reservoir conditions. <i>Fuel</i> , 2015, 148, 127-138.	3.4	108
4	The effects of SO ₂ contamination, brine salinity, pressure, and temperature on dynamic contact angles and interfacial tension of supercritical CO ₂ /brine/quartz systems. <i>International Journal of Greenhouse Gas Control</i> , 2014, 28, 147-155.	2.3	107
5	The representative sample size in shale oil rocks and nano-scale characterization of transport properties. <i>International Journal of Coal Geology</i> , 2015, 146, 42-54.	1.9	96
6	A systematic experimental investigation on the synergistic effects of aqueous nanofluids on interfacial properties and their implications for enhanced oil recovery. <i>Fuel</i> , 2018, 220, 849-870.	3.4	89
7	Nano-scale experimental investigation of in-situ wettability and spontaneous imbibition in ultra-tight reservoir rocks. <i>Advances in Water Resources</i> , 2017, 107, 160-179.	1.7	74
8	Adsorption of Asphaltenes in Porous Media under Flow Conditions. <i>Energy & Fuels</i> , 2010, 24, 6009-6017.	2.5	68
9	Dynamic adsorption of asphaltenes on quartz and calcite packs in the presence of brine films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 260-267.	2.3	53
10	CO ₂ injection strategies for enhanced oil recovery and geological sequestration in a tight reservoir: An experimental study. <i>Fuel</i> , 2021, 284, 119013.	3.4	51
11	Cluster of Asphaltene Nanoaggregates by DC Conductivity and Centrifugation. <i>Energy & Fuels</i> , 2014, 28, 5002-5013.	2.5	41
12	A Systematic Study on the Impact of Surfactant Chain Length on Dynamic Interfacial Properties in Porous Media: Implications for Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13677-13695.	1.8	37
13	Capillary Condensation of Binary and Ternary Mixtures of n-Pentane-Isopentane-CO ₂ in Nanopores: An Experimental Study on the Effects of Composition and Equilibrium. <i>Langmuir</i> , 2018, 34, 1967-1980.	1.6	33
14	A new insight into the dependence of relaxation time on frequency in viscoelastic surfactant solutions: From experimental to modeling study. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 265-277.	5.0	30
15	Surfactant viscoelasticity as a key parameter to improve supercritical CO ₂ foam stability/foamability and performance in porous media. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2020, 282, 104311.	1.0	22
16	Dynamic Interfacial Tensions and Contact Angles of Surfactant-in-Brine/Oil/Shale Systems: Implications to Enhanced Oil Recovery in Shale Oil Reservoirs. , 2014, , .		20
17	Supercritical CO ₂ Foam Stabilized by a Viscoelastic Surfactant in Fractured Porous Media: The Effect of Fracture Surface Roughness. <i>Energy & Fuels</i> , 2021, 35, 10051-10061.	2.5	20
18	An experimental study of in-situ foam rheology: Effect of stabilizing and destabilizing agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123548.	2.3	18

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19	Linear rheology of nanoparticle-enhanced viscoelastic surfactants. Journal of Molecular Liquids, 2020, 300, 112215.	2.3	17
20	Salt precipitation during geological sequestration of supercritical CO2 in saline aquifers: A pore-scale experimental investigation. Advances in Water Resources, 2021, 155, 104011.	1.7	15
21	Mixed in-situ rheology of viscoelastic surfactant solutions using a hyperbolic geometry. Journal of Non-Newtonian Fluid Mechanics, 2019, 270, 56-65.	1.0	10
22	Pore-Scale Sweep Efficiency Enhancement by Silica-Based Nanofluids in Oil-Wet Sandstone. Energy & Fuels, 2020, 34, 1297-1308.	2.5	10
23	Nanofluid-Induced Wettability Gradient and Imbibition Enhancement in Natural Porous Media: A Pore-scale Experimental Investigation. Transport in Porous Media, 2020, 134, 593-619.	1.2	9
24	The effects of in-situ emulsion formation and superficial velocity on foam performance in high-permeability porous media. Fuel, 2021, 306, 121575.	3.4	7
25	Verification and validation for microfluidic CFD simulations of Newtonian and non-Newtonian flows. Applied Mathematical Modelling, 2022, 107, 557-573.	2.2	7
26	Blockchain Applications in the Energy Industry. Advances in Computational Intelligence and Robotics Book Series, 2022, , 159-180.	0.4	4
27	Transient interfacial rheology and polar component dynamics at oil-brine interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126773.	2.3	3
28	Carbonated Water Injection in Oil-Wet Carbonate Rock Samples: A Pore-Scale Experimental Investigation of the Effect of Brine Composition. Energy & Fuels, 2022, 36, 4847-4870.	2.5	3
29	Wettability in CO2/Brine/Quartz Systems: An Experimental Study at Reservoir Conditions. , 2012, , .		0