

Soheil Saraji

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,335
citations

471371

17
h-index

526166

27
g-index

30
all docs

30
docs citations

30
times ranked

1403
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Blockchain Applications in the Energy Industry. Advances in Computational Intelligence and Robotics Book Series, 2022, , 159-180. | 0.4 | 4 |
| 2 | Verification and validation for microfluidic CFD simulations of Newtonian and non-Newtonian flows. Applied Mathematical Modelling, 2022, 107, 557-573. | 2.2 | 7 |
| 3 | 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 |
| 4 | CO ₂ injection strategies for enhanced oil recovery and geological sequestration in a tight reservoir: An experimental study. Fuel, 2021, 284, 119013. | 3.4 | 51 |
| 5 | Supercritical CO ₂ Foam Stabilized by a Viscoelastic Surfactant in Fractured Porous Media: The Effect of Fracture Surface Roughness. Energy & Fuels, 2021, 35, 10051-10061. | 2.5 | 20 |
| 6 | 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 |
| 7 | Salt precipitation during geological sequestration of supercritical CO ₂ in saline aquifers: A pore-scale experimental investigation. Advances in Water Resources, 2021, 155, 104011. | 1.7 | 15 |
| 8 | 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 |
| 9 | Pore-Scale Sweep Efficiency Enhancement by Silica-Based Nanofluids in Oil-Wet Sandstone. Energy & Fuels, 2020, 34, 1297-1308. | 2.5 | 10 |
| 10 | Linear rheology of nanoparticle-enhanced viscoelastic surfactants. Journal of Molecular Liquids, 2020, 300, 112215. | 2.3 | 17 |
| 11 | 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 |
| 12 | Surfactant viscoelasticity as a key parameter to improve supercritical CO ₂ foam stability/foamability and performance in porous media. Journal of Non-Newtonian Fluid Mechanics, 2020, 282, 104311. | 1.0 | 22 |
| 13 | 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 |
| 14 | An experimental study of in-situ foam rheology: Effect of stabilizing and destabilizing agents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123548. | 2.3 | 18 |
| 15 | A systematic experimental investigation on the synergistic effects of aqueous nanofluids on interfacial properties and their implications for enhanced oil recovery. Fuel, 2018, 220, 849-870. | 3.4 | 89 |
| 16 | A new insight into the dependence of relaxation time on frequency in viscoelastic surfactant solutions: From experimental to modeling study. Journal of Colloid and Interface Science, 2018, 517, 265-277. | 5.0 | 30 |
| 17 | Capillary Condensation of Binary and Ternary Mixtures of <i>n</i> -Pentane–Isopentane–CO ₂ in Nanopores: An Experimental Study on the Effects of Composition and Equilibrium. Langmuir, 2018, 34, 1967-1980. | 1.6 | 33 |
| 18 | Nano-scale experimental investigation of in-situ wettability and spontaneous imbibition in ultra-tight reservoir rocks. Advances in Water Resources, 2017, 107, 160-179. | 1.7 | 74 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Dynamic Interfacial Tensions and Contact Angles of Surfactant-in-Brine/Oil/Shale Systems: Implications to Enhanced Oil Recovery in Shale Oil Reservoirs. , 2014, , . | | 20 |
| 24 | 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 |
| 25 | Cluster of Asphaltene Nanoaggregates by DC Conductivity and Centrifugation. <i>Energy & Fuels</i> , 2014, 28, 5002-5013. | 2.5 | 41 |
| 26 | 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 |
| 27 | 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 |
| 28 | Wettability in CO ₂ /Brine/Quartz Systems: An Experimental Study at Reservoir Conditions. , 2012, , . | | 0 |
| 29 | Adsorption of Asphaltenes in Porous Media under Flow Conditions. <i>Energy & Fuels</i> , 2010, 24, 6009-6017. | 2.5 | 68 |