

Saber Mohammadi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

422
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

437
citing authors

#	ARTICLE	IF	CITATIONS
1	Deriving optimal and adaptive nanoparticles-assisted foam solution for enhanced oil recovery applications: an experimental study. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 819-830.	2.4	1
2	Potential Application of Fe ₂ O ₃ and Functionalized SiO ₂ Nanoparticles for Inhibiting Asphaltene Precipitation in Live Oil at Reservoir Conditions. <i>Energy & Fuels</i> , 2021, 35, 5908-5924.	5.1	19
3	A mechanistic study toward the effect of single-walled carbon nanotubes on asphaltene precipitation and aggregation in unstable crude oil. <i>Journal of Molecular Liquids</i> , 2021, 330, 115594.	4.9	13
4	A comprehensive review on critical affecting parameters on foam stability and recent advancements for foam-based EOR scenario. <i>Journal of Molecular Liquids</i> , 2021, , 116808.	4.9	25
5	Simultaneous Control of Formation and Growth of Asphaltene Solids and Wax Crystals Using Single-Walled Carbon Nanotubes: an Experimental Study under Real Oilfield Conditions. <i>Energy & Fuels</i> , 2021, 35, 14709-14724.	5.1	11
6	Experimental and DFT studies on the effect of carbon nanoparticles on asphaltene precipitation and aggregation phenomena. <i>Chemical Engineering Journal</i> , 2021, 422, 130030.	12.7	14
7	Enhancement of smart water-based foam characteristics by SiO ₂ nanoparticles for EOR applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127143.	4.7	16
8	Effect of metal oxide nanoparticles on wax formation, morphology, and rheological behavior in crude oil: An experimental study. <i>Journal of Molecular Liquids</i> , 2021, 343, 117566.	4.9	9
9	On the effect of temperature on precipitation and aggregation of asphaltenes in light live oils. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1820-1829.	1.7	39
10	Modeling of asphaltene aggregation phenomena in live oil systems at high pressure-high temperature. <i>Fluid Phase Equilibria</i> , 2016, 423, 55-73.	2.5	22
11	Reversibility of Asphaltene Aggregation in Live Oils: Qualitative and Quantitative Evaluation. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2646-2654.	1.9	22
12	A pore-level screening study on miscible/immiscible displacements in heterogeneous models. <i>Journal of Petroleum Science and Engineering</i> , 2013, 110, 40-54.	4.2	21
13	Monitoring wettability alteration by silica nanoparticles during water flooding to heavy oils in five-spot systems: A pore-level investigation. <i>Experimental Thermal and Fluid Science</i> , 2012, 40, 168-176.	2.7	186
14	Characterizing the Role of Shale Geometry and Connate Water Saturation on Performance of Polymer Flooding in Heavy Oil Reservoirs: Experimental Observations and Numerical Simulations. <i>Transport in Porous Media</i> , 2012, 91, 973-998.	2.6	23