Saber Mohammadi

List of Publications by Year
in descending order

14	422	840776 11	996975 15
papers	citations	h-index	g-index

15	15	15	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring wettability alteration by silica nanoparticles during water flooding to heavy oils in five-spot systems: A pore-level investigation. Experimental Thermal and Fluid Science, 2012, 40, 168-176.	2.7	186
2	On the effect of temperature on precipitation and aggregation of asphaltenes in light live oils. Canadian Journal of Chemical Engineering, 2016, 94, 1820-1829.	1.7	39
3	A comprehensive review on critical affecting parameters on foam stability and recent advancements for foam-based EOR scenario. Journal of Molecular Liquids, 2021, , 116808.	4.9	25
4	Characterizing the Role of Shale Geometry and Connate Water Saturation on Performance of Polymer Flooding in Heavy Oil Reservoirs: Experimental Observations and Numerical Simulations. Transport in Porous Media, 2012, 91, 973-998.	2.6	23
5	Reversibility of Asphaltene Aggregation in Live Oils: Qualitative and Quantitative Evaluation. Journal of Chemical & Engineering Data, 2015, 60, 2646-2654.	1.9	22
6	Modeling of asphaltene aggregation phenomena in live oil systems at high pressure-high temperature. Fluid Phase Equilibria, 2016, 423, 55-73.	2.5	22
7	A pore-level screening study on miscible/immiscible displacements in heterogeneous models. Journal of Petroleum Science and Engineering, 2013, 110, 40-54.	4.2	21
8	Potential Application of Fe₂O₃ and Functionalized SiO₂ Nanoparticles for Inhibiting Asphaltene Precipitation in Live Oil at Reservoir Conditions. Energy & Fuels, 2021, 35, 5908-5924.	5.1	19
9	Enhancement of smart water-based foam characteristics by SiO2 nanoparticles for EOR applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127143.	4.7	16
10	Experimental and DFT studies on the effect of carbon nanoparticles on asphaltene precipitation and aggregation phenomena. Chemical Engineering Journal, 2021, 422, 130030.	12.7	14
11	A mechanistic study toward the effect of single-walled carbon nanotubes on asphaltene precipitation and aggregation in unstable crude oil. Journal of Molecular Liquids, 2021, 330, 115594.	4.9	13
12	Simultaneous Control of Formation and Growth of Asphaltene Solids and Wax Crystals Using Single-Walled Carbon Nanotubes: an Experimental Study under Real Oilfield Conditions. Energy & Fuels, 2021, 35, 14709-14724.	5.1	11
13	Effect of metal oxide nanoparticles on wax formation, morphology, and rheological behavior in crude oil: An experimental study. Journal of Molecular Liquids, 2021, 343, 117566.	4.9	9
14	Deriving optimal and adaptive nanoparticles-assisted foam solution for enhanced oil recovery applications: an experimental study. Journal of Dispersion Science and Technology, 2023, 44, 819-830.	2.4	1