

Hossein Safari

List of Publications by Year in descending order

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papers

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324
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Approach to 3D Saturation Height Modeling by Coupling a Capillary Pressure Model with Pore Throat Size Distribution. <i>Natural Resources Research</i> , 2022, 31, 1045-1059.	2.2	5
2	Characterization of pore and grain size distributions in porous geological samples – An image processing workflow. <i>Computers and Geosciences</i> , 2021, 156, 104895.	2.0	26
3	An efficient model for estimation of gypsum (calcium sulfate di-hydrate) solubility in aqueous electrolyte solutions over wide temperature ranges. <i>Journal of Molecular Liquids</i> , 2019, 281, 655-670.	2.3	12
4	Solubility of hydrocarbon and non-hydrocarbon gases in aqueous electrolyte solutions: A reliable computational strategy. <i>Fuel</i> , 2019, 241, 1026-1035.	3.4	9
5	Prediction of oil-water relative permeability in sandstone and carbonate reservoir rocks using the CSA-LSSVM algorithm. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 170-186.	2.1	24
6	Accurate density prediction for aqueous Na-K-Mg-Ca-Li-Cl-Br-SO ₄ solution at high-pressure and high-temperature conditions. <i>Journal of Molecular Liquids</i> , 2017, 234, 209-219.	2.3	5
7	A Hybrid Intelligent Computational Scheme for Determination of Refractive Index of Crude Oil Using SARA Fraction Analysis. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1547-1555.	0.9	26
8	A computational intelligence scheme for prediction of interfacial tension between pure hydrocarbons and water. <i>Chemical Engineering Research and Design</i> , 2015, 95, 79-92.	2.7	16
9	On accurate determination of PVT properties in crude oil systems: Committee machine intelligent system modeling approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 17-26.	2.7	61
10	Rigorous modeling of permeability impairment due to inorganic scale deposition in porous media. <i>Journal of Petroleum Science and Engineering</i> , 2015, 130, 26-36.	2.1	15
11	Rigorous modeling of gypsum solubility in Na ⁺ -Ca ²⁺ -Mg ²⁺ -Fe ²⁺ -Al ³⁺ -H ⁺ -Cl ⁻ -H ₂ O system at elevated temperatures. <i>Neural Computing and Applications</i> , 2014, 25, 955-965.	3.2	3
12	Prediction of the aqueous solubility of BaSO ₄ using pitzer ion interaction model and LSSVM algorithm. <i>Fluid Phase Equilibria</i> , 2014, 374, 48-62.	1.4	56
13	Thermodynamics, Kinetics, and Hydrodynamics of Mixed Salt Precipitation in Porous Media: Model Development and Parameter Estimation. <i>Transport in Porous Media</i> , 2014, 101, 477-505.	1.2	28
14	Assessing the Dynamic Viscosity of Na ⁺ -K ⁺ -Ca ²⁺ -Cl ⁻ -H ₂ O Aqueous Solutions at High-Pressure and High-Temperature Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11488-11500.	1.8	58
15	Predicting the solubility of SrSO ₄ in Na ⁺ -Ca ²⁺ -Mg ²⁺ -Sr ²⁺ -Cl ⁻ -SO ₄ ²⁻ -H ₂ O system at elevated temperatures and pressures. <i>Fluid Phase Equilibria</i> , 2014, 374, 86-101.	1.4	23