

# Hossein Safari

## List of Publications by Year in descending order

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15  
papers

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citations

840119

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h-index

996533

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g-index

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all docs

15  
docs citations

15  
times ranked

324  
citing authors

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