

Mehdi Assareh

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

239
citations

1039880

9
h-index

1058333

14
g-index

32
all docs

32
docs citations

32
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved thermodynamic model for Wax precipitation using a UNIQUAC+ PC-SAFT approach. Fluid Phase Equilibria, 2016, 425, 21-30.	1.4	26
2	PC-SAFT modeling of petroleum reservoir fluid phase behavior using new correlations for petroleum cuts and plus fractions. Fluid Phase Equilibria, 2016, 408, 273-283.	1.4	26
3	An Efficient Workflow for Production Allocation During Water Flooding. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	1.4	19
4	Developing a new model for the determination of petroleum fraction PC-SAFT parameters to model reservoir fluids. Fluid Phase Equilibria, 2016, 412, 145-157.	1.4	18
5	A new empirical model for estimation of crude oil/brine interfacial tension using genetic programming approach. Journal of Petroleum Science and Engineering, 2019, 173, 187-196.	2.1	18
6	Asphaltene precipitation modeling with PR and PC-SAFT equations of state based on normal alkanes titration data in a Multisolid approach. Fluid Phase Equilibria, 2018, 470, 212-220.	1.4	14
7	Viscosity Prediction for Petroleum Fluids Using Free Volume Theory and PC-SAFT. International Journal of Thermophysics, 2018, 39, 1.	1.0	12
8	An improved optimization procedure for production and injection scheduling using a hybrid genetic algorithm. Chemical Engineering Research and Design, 2018, 131, 557-570.	2.7	12
9	An upscaling approach using adaptive multi-resolution upgridding and automated relative permeability adjustment. Computational Geosciences, 2018, 22, 261-282.	1.2	10
10	Phase behavior modeling for gas condensate fluids with PC-SAFT and an improved binary interaction coefficient model. Fluid Phase Equilibria, 2017, 444, 37-46.	1.4	9
11	Multi-level Optimization of Reservoir Scheduling Using Multi-resolution Wavelet-Based Up-scaled Models. Natural Resources Research, 2020, 29, 2103-2125.	2.2	9
12	CO2 sequestration using carbonated water injection in depleted naturally fractured reservoirs: A simulation study. International Journal of Greenhouse Gas Control, 2020, 93, 102893.	2.3	8
13	Application of a sequential multi-solid-liquid equilibrium approach using PC-SAFT for accurate estimation of wax formation. Fuel, 2021, 284, 119010.	3.4	8
14	Modeling of precipitation considering multi-component form of Asphaltene using a solid solution framework. Fuel, 2020, 263, 116766.	3.4	7
15	An improved modeling approach for asphaltene deposition in oil wells including particles size distribution. Oil and Gas Science and Technology, 2018, 73, 25.	1.4	6
16	Development of a data-driven fuzzy screening model for enhanced oil recovery methods using an adaptive weighting system. Canadian Journal of Chemical Engineering, 2019, 97, 3035-3051.	0.9	6
17	Thermodynamic modelling of wax precipitation using PC-SAFT in a multi-solid framework. International Journal of Oil, Gas and Coal Technology, 2019, 21, 229.	0.1	6
18	An analytical delumping methodology for PC-SAFT with application to reservoir fluids. Fluid Phase Equilibria, 2013, 339, 40-51.	1.4	5

#	ARTICLE	IF	CITATIONS
19	An effective procedure for wax formation modeling using multi-solid approach and PC-SAFT EOS for petroleum fluids with PNA characterization. Journal of Petroleum Science and Engineering, 2021, 207, 109103.	2.1	4
20	Asphaltene formation modeling using vapor-liquid-liquid equilibrium calculations by PC-SAFT for reservoir and surface conditions. Journal of Petroleum Science and Engineering, 2021, 198, 108209.	2.1	3
21	An effective asphaltene precipitation modeling approach using PC-SAFT with detailed fluid descriptions for gas injection conditions. Fluid Phase Equilibria, 2021, 532, 112937.	1.4	3
22	Development of a new workflow for pseudo-component generation of reservoir fluid detailed analysis: a gas condensate case study. International Journal of Oil, Gas and Coal Technology, 2014, 7, 275.	0.1	2
23	An investigation on surfactant aided gravity drainage in fractured reservoirs using matrix block flow simulation. Journal of Petroleum Science and Engineering, 2017, 159, 977-987.	2.1	2
24	Improved Minimum Miscibility Pressure Prediction for Gas Injection Process in Petroleum Reservoir. Natural Resources Research, 2018, 27, 517-529.	2.2	2
25	Toward an efficient wax precipitation model: Application of multi-solid framework and PC-SAFT with focus on heavy end characterization for different crude types. Fuel, 2022, 310, 122205.	3.4	2
26	Development of an effective design for a down-hole water sink to control water in oil production wells. Cleaner Engineering and Technology, 2021, 2, 100072.	2.1	1
27	Application of Friction Theory and PC-SAFT for Estimation of Viscosity in Live Reservoir Fluid Systems. International Journal of Thermophysics, 2022, 43, 1.	1.0	1
28	An improved component retrieval method for cubic equations of state with non-zero binary interaction coefficients for natural oil and gas. Journal of Petroleum Exploration and Production, 2016, 6, 243-251.	1.2	0
29	A Comparative Study for Application of Pitzer and ePC-SAFT Equations to Predict Volumetric and Saturation Properties in "Formation" Water. Journal of Solution Chemistry, 2020, 49, 971-993.	0.6	0
30	Toward A Mechanistic Understanding of Re-infiltration in Naturally Fractured Reservoirs with Surfactant-Aided Gravity Drainage Process. Journal of Surfactants and Detergents, 2021, 24, 121-137.	1.0	0
31	Thermodynamic modelling of wax precipitation using PC-SAFT in a multi-solid framework. International Journal of Oil, Gas and Coal Technology, 2019, 21, 229.	0.1	0
32	An efficient design for a downhole water loop to control water production from oil wells. International Journal of Oil, Gas and Coal Technology, 2021, 28, 333.	0.1	0