Vassilis Gaganis

List of Publications by Year
in descending order

16 papers	165 citations	1163117 8 h-index	1199594 12 g-index
16 all docs	16 docs citations	16 times ranked	68 citing authors

#	Article	IF	Citations
1	An integrated approach for rapid phase behavior calculations in compositional modeling. Journal of Petroleum Science and Engineering, 2014, 118, 74-87.	4.2	30
2	A general framework of model functions for rapid and robust solution of Rachford–Rice type of equations. Fluid Phase Equilibria, 2012, 322-323, 9-18.	2.5	20
3	Machine Learning Methods to Speed up Compositional Reservoir Simulation. , 2012, , .		17
4	Non-iterative phase stability calculations for process simulation using discriminating functions. Fluid Phase Equilibria, 2012, 314, 69-77.	2.5	17
5	An improved BIP matrix decomposition method for reduced flash calculations. Fluid Phase Equilibria, 2013, 340, 63-76.	2.5	16
6	An Efficient Method to Predict Compressibility Factor of Natural Gas Streams. Energies, 2019, 12, 2577.	3.1	16
7	Rapid phase stability calculations in fluid flow simulation using simple discriminating functions. Computers and Chemical Engineering, 2018, 108, 112-127.	3.8	13
8	Application of Artificial Neural Networks to Downhole Fluid Analysis. SPE Reservoir Evaluation and Engineering, 2009, 12, 8-13.	1.8	12
9	Application of Machine Learning to Accelerate Gas Condensate Reservoir Simulation. Clean Technologies, 2022, 4, 153-173.	4.2	8
10	Solution of the Rachford Rice equation using perturbation analysis. Fluid Phase Equilibria, 2021, 536, 112981.	2.5	6
11	A soft computing method for rapid phase behavior calculations in fluid flow simulations. Journal of Petroleum Science and Engineering, 2021, 205, 108796.	4.2	4
12	Reduced flash calculations with temperature dependent binary interaction coefficients. Fluid Phase Equilibria, 2013, 354, 166-176.	2.5	3
13	An accurate method to generate composite PVT data for black oil simulation. Journal of Petroleum Science and Engineering, 2017, 157, 1-13.	4.2	3
14	Identification of the Compositional Path Followed During Reservoir Simulation Improves the Accuracy and Accelerates the Phase Behavior Calculations. , 2016, , .		0
15	Perturbation Theory and Phase Behavior Calculations Using Equation of State Models. , 0, , .		0
16	Numerical Reservoir Modeling of High Enthalpy Geothermal Fields in Greece. , 2022, 5, .		0