

Vassilis Gaganis

List of Publications by Year in descending order

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16
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citing authors

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