Vasileios K Michalis

List of Publications by Year
in descending order

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17	540	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ranking the Efficiency of Gas Hydrate Anti-agglomerants through Molecular Dynamic Simulations. Journal of Physical Chemistry B, 2021, 125, 1487-1502.	2.6	8
2	Novel methodology for the calculation of the enthalpy of enclathration of methane hydrates using molecular dynamics simulations. Molecular Physics, 2020, 118, e1711976.	1.7	1
3	Enthalpy of dissociation of methane hydrates at a wide pressure and temperature range. Fluid Phase Equilibria, 2019, 489, 30-40.	2.5	30
4	Solubility of Methane and Carbon Dioxide in the Aqueous Phase of the Ternary (Methane + Carbon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 of Chemical & Engineering Data, 2018, 63, 1027-1035.	1.9	15
5	Using clathrate hydrates for gas storage and gas-mixture separations: experimental and computational studies at multiple length scales. Molecular Physics, 2018, 116, 2041-2060.	1.7	18
6	Molecular Dynamics Simulation of Water-Based Fracturing Fluids in Kaolinite Slit Pores. Journal of Physical Chemistry C, 2018, 122, 17170-17183.	3.1	33
7	13 The Role of Molecular Thermodynamics in Developing Industrial Processes and Novel Products That Meet the Needs for a Sustainable Future. Green Chemistry and Chemical Engineering, 2017, , 633-660.	0.0	2
8	Lattice constants of pure methane and carbon dioxide hydrates at low temperatures. Implementing quantum corrections to classical molecular dynamics studies. Journal of Chemical Physics, 2016, 144, 124512.	3.0	20
9	Direct phase coexistence molecular dynamics study of the phase equilibria of the ternary methaneâ€“carbon dioxideâ€“water hydrate system. Physical Chemistry Chemical Physics, 2016, 18, 23538-23548.	2.8	39
10	Molecular dynamics simulations of pure methane and carbon dioxide hydrates: lattice constants and derivative properties. Molecular Physics, 2016, 114, 2672-2687.	1.7	24
11	Development of a novel experimental apparatus for hydrate equilibrium measurements. Fluid Phase Equilibria, 2016, 424, 152-161.	2.5	10
12	Molecular dynamics simulations of the diffusion coefficients of light n-alkanes in water over a wide range of temperature and pressure. Fluid Phase Equilibria, 2016, 407, 236-242.	2.5	39
13	The role of intermolecular interactions in the prediction of the phase equilibria of carbon dioxide hydrates. Journal of Chemical Physics, 2015, 143, 094506.	3.0	58
14	Prediction of the phase equilibria of methane hydrates using the direct phase coexistence methodology. Journal of Chemical Physics, 2015, 142, 044501.	3.0	111
15	Mesoscopic Simulation of Rarefied Flow in Narrow Channels and Porous Media. Transport in Porous Media, 2012, 94, 385-398.	2.6	28
16	Rarefaction effects on gas viscosity in the Knudsen transition regime. Microfluidics and Nanofluidics, 2010, 9, 847-853.	2.2	92
17	Mesoscopic modeling of flow and dispersion phenomena in fractured solids. Computers and Mathematics With Applications, 2008, 55, 1525-1540.	2.7	11