Matthew Lasich

List of Publications by Year
in descending order

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21 papers	143 citations	1478505 6 h-index	1199594 12 g-index
21 all docs	21 docs citations	21 times ranked	144 citing authors

#	Article	IF	Citations
1	Phase equilibria of methane clathrate hydrates from Grand Canonical Monte Carlo simulations. Fluid Phase Equilibria, 2014, 369, 47-54.	2.5	41
2	Liquidâ€“Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. Journal of Chemical & Engineering Data, 2011, 56, 4139-4146.	1.9	18
3	Influence of unlike dispersion interactions in modeling methane clathrate hydrates. Fluid Phase Equilibria, 2014, 381, 108-115.	2.5	17
4	Influence of unlike dispersive interactions on methane adsorption in graphite: a grand canonical Monte Carlo simulation and classical density functional theory study. European Physical Journal B, 2015, 88, 1.	1.5	8
5	Assessing the ability of force-fields to predict liquidâ€“liquid equilibria of ternary systems of light alcohols+water+dodecane by Monte Carlo simulation. Fluid Phase Equilibria, 2014, 368, 65-71.	2.5	7
6	Clathrate hydrates modelled with classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. Philosophical Magazine, 2016, 96, 2853-2867.	1.6	7
7	On the application of binary correction factors in lattice distortion calculations for methane clathrate hydrates. Philosophical Magazine, 2014, 94, 974-990.	1.6	6
8	Sorption of natural gas in cement hydrate by Monte Carlo simulation. European Physical Journal B, 2018, 91, 1.	1.5	6
9	An improved description of clathrate hydrates using classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. Fluid Phase Equilibria, 2018, 456, 131-139.	2.5	4
10	Adsorption of humid air in compacted montmorillonite: A Monte Carlo simulation study. Fluid Phase Equilibria, 2019, 487, 52-57.	2.5	4
11	Upgrading Wood Gas Using Bentonite Clay: A Multiscale Modeling and Simulation Study. ACS Omega, 2020, 5, 11068-11074.	3.5	4
12	Particle size and phase equilibria in classical logarithmic fluid. Journal of Physics: Conference Series, 2021, 1740, 012042.	0.4	4
13	Sorption of Perfluorinated and Pharmaceutical Compounds in Plastics: A Molecular Simulation Study. Water (Switzerland), 2022, 14, 1951.	2.7	4
14	Adsorption of H₂S from Hydrocarbon Gas Using Doped Bentonite: A Molecular Simulation Study. ACS Omega, 2020, 5, 19877-19883.	3.5	3
15	Monte Carlo simulations of water solubility and structures in poly(difluoromethylene). Molecular Simulation, 2013, 39, 367-384.	2.0	2
16	Factors influencing clathrate hydrate stability in equilibrium with liquid water: Insights from information-based statistical analysis. Journal of Molecular Liquids, 2016, 222, 8-13.	4.9	2
17	Single-site Langmuir-type adsorption in structure-I clathrate hydrates: A molecular simulation study using a general self-consistent force field. Fluid Phase Equilibria, 2019, 489, 111-116.	2.5	2
18	Separating Binary Gaseous Mixtures of Ethene + Ethyne Using Cement Hydrate: A Multiscale Computational Study. ACS Omega, 2021, 6, 19940-19945.	3.5	2

#	Article	IF	Citations
19	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. European Physical Journal B, 2017, 90, 1.	1.5	1
20	Influence of fluorination on barrier properties of polymers: Insights from Monte Carlo simulations of eicosanes + methane. European Physical Journal E, 2017, 40, 12.	1.6	1
21	Critical analysis of the effect of transport phenomena and operational parameters on the performance of an intermediate-scale surface fluorination reactor. Journal of Fluorine Chemistry, 2020, 237, 109617.	1.7	0