Matthew Lasich

List of Publications by Year
in descending order

21	143	1477746 6	1199166 12
papers	citations	h-index	g-index

21	21	21	144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sorption of Perfluorinated and Pharmaceutical Compounds in Plastics: A Molecular Simulation Study. Water (Switzerland), 2022, 14, 1951.	1.2	4
2	Particle size and phase equilibria in classical logarithmic fluid. Journal of Physics: Conference Series, 2021, 1740, 012042.	0.3	4
3	Separating Binary Gaseous Mixtures of Ethene + Ethyne Using Cement Hydrate: A Multiscale Computational Study. ACS Omega, 2021, 6, 19940-19945.	1.6	2
4	Upgrading Wood Gas Using Bentonite Clay: A Multiscale Modeling and Simulation Study. ACS Omega, 2020, 5, 11068-11074.	1.6	4
5	Adsorption of H₂S from Hydrocarbon Gas Using Doped Bentonite: A Molecular Simulation Study. ACS Omega, 2020, 5, 19877-19883.	1.6	3
6	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.	0.9	0
7	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.	1.4	2
8	Adsorption of humid air in compacted montmorillonite: A Monte Carlo simulation study. Fluid Phase Equilibria, 2019, 487, 52-57.	1.4	4
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.	1.4	4
10	Sorption of natural gas in cement hydrate by Monte Carlo simulation. European Physical Journal B, 2018, 91, 1.	0.6	6
11	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. European Physical Journal B, 2017, 90, 1.	0.6	1
12	Influence of fluorination on barrier properties of polymers: Insights from Monte Carlo simulations of eicosanes + methane. European Physical Journal E, 2017, 40, 12.	0.7	1
13	Factors influencing clathrate hydrate stability in equilibrium with liquid water: Insights from information-based statistical analysis. Journal of Molecular Liquids, 2016, 222, 8-13.	2.3	2
14	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.	0.7	7
15	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.	0.6	8
16	Phase equilibria of methane clathrate hydrates from Grand Canonical Monte Carlo simulations. Fluid Phase Equilibria, 2014, 369, 47-54.	1.4	41
17	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.	1.4	7
18	On the application of binary correction factors in lattice distortion calculations for methane clathrate hydrates. Philosophical Magazine, 2014, 94, 974-990.	0.7	6

#	Article	IF	Citations
19	Influence of unlike dispersion interactions in modeling methane clathrate hydrates. Fluid Phase Equilibria, 2014, 381, 108-115.	1.4	17
20	Monte Carlo simulations of water solubility and structures in poly(difluoromethylene). Molecular Simulation, 2013, 39, 367-384.	0.9	2
21	Liquidâ€“Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. Journal of Chemical & Engineering Data, 2011, 56, 4139-4146.	1.0	18