

# Matthew Lasich

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Sorption of Perfluorinated and Pharmaceutical Compounds in Plastics: A Molecular Simulation Study. <i>Water</i> (Switzerland), 2022, 14, 1951.	2.7	4
2	Particle size and phase equilibria in classical logarithmic fluid. <i>Journal of Physics: Conference Series</i> , 2021, 1740, 012042.	0.4	4
3	Separating Binary Gaseous Mixtures of Ethene + Ethyne Using Cement Hydrate: A Multiscale Computational Study. <i>ACS Omega</i> , 2021, 6, 19940-19945.	3.5	2
4	Upgrading Wood Gas Using Bentonite Clay: A Multiscale Modeling and Simulation Study. <i>ACS Omega</i> , 2020, 5, 11068-11074.	3.5	4
5	Adsorption of H <sub>2</sub> S from Hydrocarbon Gas Using Doped Bentonite: A Molecular Simulation Study. <i>ACS Omega</i> , 2020, 5, 19877-19883.	3.5	3
6	Critical analysis of the effect of transport phenomena and operational parameters on the performance of an intermediate-scale surface fluorination reactor. <i>Journal of Fluorine Chemistry</i> , 2020, 237, 109617.	1.7	0
7	Single-site Langmuir-type adsorption in structure-I clathrate hydrates: A molecular simulation study using a general self-consistent force field. <i>Fluid Phase Equilibria</i> , 2019, 489, 111-116.	2.5	2
8	Adsorption of humid air in compacted montmorillonite: A Monte Carlo simulation study. <i>Fluid Phase Equilibria</i> , 2019, 487, 52-57.	2.5	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. <i>Fluid Phase Equilibria</i> , 2018, 456, 131-139.	2.5	4
10	Sorption of natural gas in cement hydrate by Monte Carlo simulation. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	6
11	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	1
12	Influence of fluorination on barrier properties of polymers: Insights from Monte Carlo simulations of eicosanes + methane. <i>European Physical Journal E</i> , 2017, 40, 12.	1.6	1
13	Factors influencing clathrate hydrate stability in equilibrium with liquid water: Insights from information-based statistical analysis. <i>Journal of Molecular Liquids</i> , 2016, 222, 8-13.	4.9	2
14	Clathrate hydrates modelled with classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. <i>Philosophical Magazine</i> , 2016, 96, 2853-2867.	1.6	7
15	Influence of unlike dispersive interactions on methane adsorption in graphite: a grand canonical Monte Carlo simulation and classical density functional theory study. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	8
16	Phase equilibria of methane clathrate hydrates from Grand Canonical Monte Carlo simulations. <i>Fluid Phase Equilibria</i> , 2014, 369, 47-54.	2.5	41
17	Assessing the ability of force-fields to predict liquid-liquid equilibria of ternary systems of light alcohols+water+dodecane by Monte Carlo simulation. <i>Fluid Phase Equilibria</i> , 2014, 368, 65-71.	2.5	7
18	On the application of binary correction factors in lattice distortion calculations for methane clathrate hydrates. <i>Philosophical Magazine</i> , 2014, 94, 974-990.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Influence of unlike dispersion interactions in modeling methane clathrate hydrates. <i>Fluid Phase Equilibria</i> , 2014, 381, 108-115.	2.5	17
20	Monte Carlo simulations of water solubility and structures in poly(difluoromethylene). <i>Molecular Simulation</i> , 2013, 39, 367-384.	2.0	2
21	Liquid-Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4139-4146.	1.9	18