Joshua D Moore

List of Publications by Year
in descending order

27 papers	977 citations	430874 18 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	1068 citing authors

#	Article	IF	Citations
1	Entropy-scaling based pseudo-component viscosity and thermal conductivity models for hydrocarbon mixtures and fuels containing iso-alkanes and two-ring saturates. Fuel, 2021, 283, 118877.	6.4	5
2	Mechanochemistry of phosphate esters confined between sliding iron surfaces. Communications Chemistry, 2021, 4, .	4.5	21
3	Substituent Effects on the Thermal Decomposition of Phosphate Esters on Ferrous Surfaces. Journal of Physical Chemistry C, 2020, 124, 9852-9865.	3.1	24
4	Effect of Composition, Temperature, and Pressure on the Viscosities and Densities of Three Diesel Fuels. Journal of Chemical & Engineering Data, 2019, 64, 5529-5547.	1.9	26
5	General method for prediction of thermal conductivity for well-characterized hydrocarbon mixtures and fuels up to extreme conditions using entropy scaling. Fuel, 2019, 245, 594-604.	6.4	22
6	Entropy scaling based viscosity predictions for hydrocarbon mixtures and diesel fuels up to extreme conditions. Fuel, 2019, 241, 1203-1213.	6.4	56
7	Purely predictive method for density, compressibility, and expansivity for hydrocarbon mixtures and diesel and jet fuels up to high temperatures and pressures. Fuel, 2019, 236, 1377-1390.	6.4	46
8	A coarse-grain force field for RDX: Density dependent and energy conserving. Journal of Chemical Physics, 2016, 144, 104501.	3.0	61
9	The Eighth Industrial Fluids Properties Simulation Challenge. Adsorption Science and Technology, 2016, 34, 3-12.	3.2	3
10	Adsorption, X-ray diffraction, photoelectron, and atomic emission spectroscopy benchmark studies for the eighth industrial fluid properties simulation challenge. Adsorption Science and Technology, 2016, 34, 13-41.	3.2	6
11	Perfluorohexane adsorption in BCR-704 Faujasite zeolite benchmark studies for the seventh industrial fluid properties simulation challenge. Fluid Phase Equilibria, 2014, 366, 141-145.	2.5	4
12	Parallel implementation of isothermal and isoenergetic Dissipative Particle Dynamics using Shardlow-like splitting algorithms. Computer Physics Communications, 2014, 185, 1987-1998.	7.5	30
13	Coarse-Grain Model Simulations of Nonequilibrium Dynamics in Heterogeneous Materials. Journal of Physical Chemistry Letters, 2014, 5, 2144-2149.	4.6	59
14	The seventh industrial fluid properties simulation challenge. Fluid Phase Equilibria, 2014, 366, 136-140.	2.5	5
15	Particle based multiscale modeling of the dynamic response of RDX. , 2012, , .		3
16	Adsorption Equilibrium of Water Vapor on Selexsorb-CDX Commercial Activated Alumina Adsorbent. Journal of Chemical & Engineering Data, 2011, 56, 1762-1769.	1.9	15
17	Adsorptive behavior of CO2, CH4 and their mixtures in carbon nanospace: a molecular simulation study. Physical Chemistry Chemical Physics, 2011, 13, 3985.	2.8	66
18	Simulating Local Adsorption Isotherms in Structurally Complex Porous Materials: A Direct Assessment of the Slit Pore Model. Journal of Physical Chemistry Letters, 2011, 2, 165-169.	4.6	30

#	Article	IF	Citations
19	The role of molecular modeling in confined systems: impact and prospects. Physical Chemistry Chemical Physics, 2011, 13, 58-85.	2.8	153
20	Adsorption and diffusion of argon in disordered nanoporous carbons. Adsorption, 2011, 17, 189-199.	3.0	25
21	Adsorption and diffusion of argon confined in ordered and disordered microporous carbons. Applied Surface Science, 2010, 256, 5131-5136.	6.1	47
22	Transition from single-file to Fickian diffusion for binary mixtures in single-walled carbon nanotubes. Journal of Chemical Physics, 2010, 133, 094501.	3.0	35
23	Molecular Modeling of Matter: Impact and Prospects in Engineering. Industrial & Engineering Chemistry Research, 2010, 49, 3026-3046.	3.7	98
24	Dual diffusion mechanism of argon confined in single-walled carbon nanotube bundles. Physical Chemistry Chemical Physics, 2010, 12, 6632.	2.8	25
25	Energetics investigation on encapsulation of protein/peptide drugs in carbon nanotubes. Journal of Chemical Physics, 2009, 131, 015101.	3.0	35
26	Diffusion dynamics of water controlled by topology of potential energy surface inside carbon nanotubes. Physical Review B, 2008, 77, .	3.2	59
27	Correlation of Adsorption Equilibrium Data for Water Vapor on F-200 Activated Alumina. Adsorption, 2005, 11, 65-75.	3.0	18