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	The role of molecular modeling in confined systems: impact and prospects. Physical Chemistry Chemical Physics, 2011, 13, 58-85.	2.8	153
2	Molecular Modeling of Matter: Impact and Prospects in Engineering. Industrial & Engineering Chemistry Research, 2010, 49, 3026-3046.	3.7	98
3	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
4	A coarse-grain force field for RDX: Density dependent and energy conserving. Journal of Chemical Physics, 2016, 144, 104501.	3.0	61
5	Diffusion dynamics of water controlled by topology of potential energy surface inside carbon nanotubes. Physical Review B, 2008, 77, .	3.2	59
6	Coarse-Grain Model Simulations of Nonequilibrium Dynamics in Heterogeneous Materials. Journal of Physical Chemistry Letters, 2014, 5, 2144-2149.	4.6	59
7	Entropy scaling based viscosity predictions for hydrocarbon mixtures and diesel fuels up to extreme conditions. Fuel, 2019, 241, 1203-1213.	6.4	56
8	Adsorption and diffusion of argon confined in ordered and disordered microporous carbons. Applied Surface Science, 2010, 256, 5131-5136.	6.1	47
9	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
10	Energetics investigation on encapsulation of protein/peptide drugs in carbon nanotubes. Journal of Chemical Physics, 2009, 131, 015101.	3.0	35
11	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
12	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
13	Parallel implementation of isothermal and isoenergetic Dissipative Particle Dynamics using Shardlow-like splitting algorithms. Computer Physics Communications, 2014, 185, 1987-1998.	7.5	30
14	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
15	Dual diffusion mechanism of argon confined in single-walled carbon nanotube bundles. Physical Chemistry Chemical Physics, 2010, 12, 6632.	2.8	25
16	Adsorption and diffusion of argon in disordered nanoporous carbons. Adsorption, 2011, 17, 189-199.	3.0	25
17	Substituent Effects on the Thermal Decomposition of Phosphate Esters on Ferrous Surfaces. Journal of Physical Chemistry C, 2020, 124, 9852-9865.	3.1	24
18	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

#	Article	IF	Citations
19	Mechanochemistry of phosphate esters confined between sliding iron surfaces. Communications Chemistry, 2021, 4, .	4.5	21
20	Correlation of Adsorption Equilibrium Data for Water Vapor on F-200 Activated Alumina. Adsorption, 2005, 11, 65-75.	3.0	18
21	Adsorption Equilibrium of Water Vapor on Selexsorb-CDX Commercial Activated Alumina Adsorbent. Journal of Chemical & Engineering Data, 2011, 56, 1762-1769.	1.9	15
22	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
23	The seventh industrial fluid properties simulation challenge. Fluid Phase Equilibria, 2014, 366, 136-140.	2.5	5
24	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
25	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
26	Particle based multiscale modeling of the dynamic response of RDX. , 2012, , .		3
27	The Eighth Industrial Fluids Properties Simulation Challenge. Adsorption Science and Technology, 2016, 34, 3-12.	3.2	3