

Marc Donohue

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

394
citations

840776
11
h-index

794594
19
g-index

21
all docs

21
docs citations

21
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging adsorption analytics and catalytic kinetics for metal-exchanged zeolites. <i>Nature Catalysis</i> , 2021, 4, 144-156.	34.4	27
2	Modification of classical approximations for diffusion in fluids with density gradients. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9043.	2.8	2
3	Thermodynamics of Systems with Different Geometric Constraints and Intermolecular Correlations. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12530-12535.	2.6	4
4	Configurational probabilities for monomers, dimers and trimers in fluids. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5840.	2.8	0
5	Configurational probabilities for symmetric dimers on a lattice: An analytical approximation with exact limits at low and high densities. <i>Journal of Chemical Physics</i> , 2007, 127, 134903.	3.0	2
6	Limitations and generalizations of the classical phenomenological model for diffusion in fluids. <i>Molecular Physics</i> , 2007, 105, 1085-1093.	1.7	9
7	Equilibrium Limit of Diffusion Equation for Interacting Particles: Are Bifurcations and Multiplicity of Correlation Functions an Artifact or Real?. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9530-9538.	2.6	3
8	Self-Assembly of T-Structures in Molecular Fluids. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2081-2089.	2.6	17
9	Modeling fluid diffusion using the lattice density functional theory approach: counterdiffusion in an external field. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1663.	2.8	20
10	Diffusion Equation for Interacting Particles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16062-16069.	2.6	22
11	Adsorption Behavior of Repulsive Molecules. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10189-10193.	2.6	9
12	Lattice density functional theory of molecular diffusion. <i>Journal of Chemical Physics</i> , 2004, 121, 426.	3.0	50
13	Critical point corrections for lattice systems. <i>Journal of Chemical Physics</i> , 2003, 119, 478-483.	3.0	6
14	Adsorption Compression: An Important New Aspect of Adsorption Behavior and Capillarity. <i>Langmuir</i> , 2003, 19, 2722-2735.	3.5	28
15	Theory of Multilayer Adsorption with Correct Critical Behavior. <i>Langmuir</i> , 2003, 19, 3822-3829.	3.5	14
16	Critical Point Corrections for Two- and Three-Dimensional Systems. <i>Langmuir</i> , 2003, 19, 2162-2168.	3.5	6
17	A simple model for ordering in adsorbed layers. <i>Molecular Physics</i> , 2002, 100, 2121-2137.	1.7	11
18	A lattice model for fluids with directional interactions. <i>Journal of Chemical Physics</i> , 1999, 111, 2050-2059.	3.0	20

#	ARTICLE	IF	CITATIONS
19	Analysis of Adsorption Isotherms: Lattice Theory Predictions, Classification of Isotherms for Gas-Solid Equilibria, and Similarities in Gas and Liquid Adsorption Behavior. Journal of Colloid and Interface Science, 1998, 200, 273-290.	9.4	110
20	Determining Surface Areas from Linear Adsorption Isotherms at Supercritical Conditions. Journal of Colloid and Interface Science, 1997, 194, 392-397.	9.4	34