

William P Krekelberg

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

555
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

415
citing authors

#	ARTICLE	IF	CITATIONS
1	On the virial expansion of model adsorptive systems. <i>Molecular Physics</i> , 2022, 120, .	1.7	0
2	On the virial coefficients of confined fluids: Analytic expressions for the thermodynamic properties of hard particles with attractions in slit and cylindrical pores to second order. <i>Journal of Chemical Physics</i> , 2019, 150, 044704.	3.0	5
3	Connection Between Thermodynamics and Dynamics of Simple Fluids in Pores: Impact of Fluid–Fluid Interaction Range and Fluid–Solid Interaction Strength. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16316-16327.	3.1	12
4	Quasi-Two-Dimensional Phase Transition of Methane Adsorbed in Cylindrical Silica Mesopores. <i>Langmuir</i> , 2017, 33, 14252-14262.	3.5	8
5	Position-Dependent Dynamics Explain Pore-Averaged Diffusion in Strongly Attractive Adsorptive Systems. <i>Langmuir</i> , 2017, 33, 13955-13963.	3.5	4
6	Relation between pore size and the compressibility of a confined fluid. <i>Journal of Chemical Physics</i> , 2015, 143, 194506.	3.0	38
7	Connection between Thermodynamics and Dynamics of Simple Fluids in Highly Attractive Pores. <i>Langmuir</i> , 2013, 29, 14527-14535.	3.5	15
8	Impact of surface roughness on diffusion of confined fluids. <i>Journal of Chemical Physics</i> , 2011, 135, 154502.	3.0	30
9	Structural signatures of mobility on intermediate time scales in a supercooled fluid. <i>Journal of Chemical Physics</i> , 2010, 132, .	3.0	15
10	Response to “Comment on ‘Residual multiparticle entropy does not generally change sign near freezing’”. <i>J. Chem. Phys.</i> 130, 037101 (2009)]. <i>Journal of Chemical Physics</i> , 2009, 130, 037102.	3.0	4
11	RELATIONSHIP BETWEEN SHEAR VISCOSITY AND STRUCTURE OF A MODEL COLLOIDAL SUSPENSION. <i>Chemical Engineering Communications</i> , 2009, 197, 63-75.	2.6	6
12	Anomalous structure and dynamics of the Gaussian-core fluid. <i>Physical Review E</i> , 2009, 79, 031203.	2.1	100
13	Generalized Rosenfeld scalings for tracer diffusivities in not-so-simple fluids: Mixtures and soft particles. <i>Physical Review E</i> , 2009, 80, 061205.	2.1	79
14	Available states and available space: static properties that predict self-diffusivity of confined fluids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P04006.	2.3	43
15	Structural anomalies of fluids: Origins in second and higher coordination shells. <i>Physical Review E</i> , 2008, 77, 041201.	2.1	41
16	Residual multiparticle entropy does not generally change sign near freezing. <i>Journal of Chemical Physics</i> , 2008, 128, 161101.	3.0	14
17	Tuning Density Profiles and Mobility of Inhomogeneous Fluids. <i>Physical Review Letters</i> , 2008, 100, 106001.	7.8	60
18	Shear-rate-dependent structural order and viscosity of a fluid with short-range attractions. <i>Physical Review E</i> , 2008, 78, 010201.	2.1	7

#	ARTICLE	IF	CITATIONS
19	How short-range attractions impact the structural order, self-diffusivity, and viscosity of a fluid. Journal of Chemical Physics, 2007, 127, 044502.	3.0	59
20	Model for the free-volume distributions of equilibrium fluids. Journal of Chemical Physics, 2006, 124, 214502.	3.0	15