

Yee C Chiew

List of Publications by Year in descending order

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36
papers

1,156
citations

567144

15
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

726
citing authors

#	ARTICLE	IF	CITATIONS
1	Percus-Yevick integral-equation theory for athermal hard-sphere chains. <i>Molecular Physics</i> , 1990, 70, 129-143.	0.8	250
2	Two-point cluster function for continuum percolation. <i>Journal of Chemical Physics</i> , 1988, 88, 6540-6547.	1.2	145
3	Percus-Yevick integral equation theory for athermal hard-sphere chains.. <i>Molecular Physics</i> , 1991, 73, 359-373.	0.8	112
4	Solubility of Aspirin in Supercritical Carbon Dioxide with and without Acetone. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 1323-1327.	1.0	104
5	Computer simulation of diffusion-controlled reactions in dispersions of spherical sinks. <i>Journal of Chemical Physics</i> , 1989, 90, 322-327.	1.2	86
6	Intermolecular site-site correlation functions of athermal hard-sphere chains: Analytic integral equation theory. <i>Journal of Chemical Physics</i> , 1990, 93, 5067-5074.	1.2	68
7	A Monte Carlo method for simulating associating fluids. <i>Journal of Chemical Physics</i> , 1994, 101, 3147-3156.	1.2	42
8	Solubility of Artemisinin in Different Single and Binary Solvent Mixtures Between (284.15 and 323.15) K and NRTL Interaction Parameters. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3356-3363.	1.0	37
9	Monte Carlo simulation of Lennard-Jones chains. <i>Journal of Chemical Physics</i> , 1994, 101, 2522-2531.	1.2	31
10	Thermodynamic and structural properties of Yukawa hard chains. <i>Journal of Chemical Physics</i> , 2001, 115, 4376-4386.	1.2	31
11	Percolation and connectivity of the attractive square-well fluid: Monte Carlo simulation study. <i>Journal of Chemical Physics</i> , 1988, 89, 6385-6390.	1.2	28
12	Widom line, dynamical crossover, and percolation transition of supercritical oxygen via molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2018, 148, 014502.	1.2	21
13	Solubility of Lovastatin in Ethyl Acetate, Propyl Acetate, Isopropyl Acetate, Butyl Acetate, <i>sec</i> -Butyl Acetate, Isobutyl Acetate, <i>tert</i> -Butyl Acetate, and 2-Butanone, between (285 and) Tj ETQq11lc0.784314 rgBT	1.4	14
14	P-V-T properties of alternating poly(ethylene-propylene) liquids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 1791-1798.	2.4	18
15	Leonard-Jones chain mixtures: variational theory and Monte Carlo simulation results. <i>Molecular Physics</i> , 1999, 96, 15-29.	0.8	17
16	Computer simulation of steady-state diffusion-controlled reaction rates in dispersions of static sinks: Effect of sink sizes. <i>Journal of Chemical Physics</i> , 1990, 93, 2658-2663.	1.2	15
17	Analytical integral equation theory for a restricted primitive model of polyelectrolytes and counterions within the mean spherical approximation. II. Radial distribution functions. <i>Journal of Chemical Physics</i> , 2003, 118, 4321-4330.	1.2	15
18	A coarse-grained model for PCL: conformation, self-assembly of MePEG-b-PCL amphiphilic diblock copolymers. <i>Molecular Simulation</i> , 2017, 43, 92-101.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Selective particle clustering and percolation in binary mixtures of randomly centered spheres. <i>Journal of Chemical Physics</i> , 1989, 90, 5024-5029.	1.2	12
20	3D Graphene as an Unconventional Support Material for Ionic Liquid Membranes: Computational Insights into Gas Separations. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 2203-2210.	1.8	12
21	Cluster volume and surface area in dispersions of penetrable particles or pores. <i>Journal of Chemical Physics</i> , 1988, 89, 1055-1063.	1.2	10
22	A non-equilibrium molecular dynamics study of subcritical, supercritical and transcritical mixing of liquid-gas systems. <i>Chemical Engineering Science</i> , 2020, 214, 115424.	1.9	9
23	Molecular models for phase equilibria of alkanes with air components and combustion products I. Alkane mixtures with nitrogen, CO ₂ and water. <i>Fluid Phase Equilibria</i> , 2020, 514, 112553.	1.4	9
24	Multidensity integral equation theory for a sticky hard sphere-hard sphere heteronuclear dimer fluid: Thermodynamic and structural properties. <i>Journal of Chemical Physics</i> , 2001, 115, 6641-6652.	1.2	7
25	Structure and properties of dicarboxylic acids at hexane/water interface: A molecular dynamics study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123725.	2.3	7
26	Effective conductivity of two-phase materials consisting of long parallel cylinders. <i>Journal of Applied Physics</i> , 1990, 67, 1684-1688.	1.1	6
27	Development and validation of a simple antigen-antibody model. <i>AIChE Journal</i> , 1995, 41, 974-984.	1.8	6
28	A Model for Polyelectrolytes. <i>Journal of Statistical Physics</i> , 2000, 100, 267-277.	0.5	5
29	Thermodynamic and structural properties of a sticky hard-sphere heteronuclear dimer fluid. <i>Journal of Chemical Physics</i> , 2002, 117, 4462-4472.	1.2	4
30	Structure and phase transitions of two-dimensional core-softened colloidal dumbbells: a molecular dynamics study. <i>Materials Research Express</i> , 2019, 6, 075076.	0.8	4
31	Integral equation theories for monodisperse and polydisperse sticky hard sphere chain fluid: Thermodynamic and structural properties in the polymer Percus-Yevick and ideal chain approximations. <i>Journal of Chemical Physics</i> , 2003, 118, 10794-10807.	1.2	3
32	Monte Carlo simulations of conformations of short chains near a cylindrical rod. <i>Journal of Chemical Physics</i> , 2003, 119, 590-595.	1.2	3
33	Monte Carlo Simulations of Effective Diffusivities in Three-Dimensional Pore Structures. <i>Materials Research Society Symposia Proceedings</i> , 1990, 195, 553.	0.1	2
34	Surface Dilational Rheological Properties of Protein-Adsorbed Interfaces. <i>ACS Symposium Series</i> , 1997, , 183-198.	0.5	2
35	Adsorption and diffusion of methane and light gases in 3D nano-porous graphene sponge. <i>Molecular Simulation</i> , 2022, 48, 882-890.	0.9	2
36	Molecular models for phase equilibria of alkanes with air components and combustion products II. Alkane-Oxygen mixtures. <i>Fluid Phase Equilibria</i> , 2020, 520, 112650.	1.4	1