Yee C Chiew

List of Publications by Year
in descending order

36	1,156	567144 15	377752 34
papers	citations	h-index	g-index

36	36	36	726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption and diffusion of methane and light gases in 3D nano-porous graphene sponge. Molecular Simulation, 2022, 48, 882-890.	0.9	2
2	A non-equilibrium molecular dynamics study of subcritical, supercritical and transcritical mixing of liquid-gas systems. Chemical Engineering Science, 2020, 214, 115424.	1.9	9
3	Molecular models for phase equilibria of alkanes with air components and combustion products I. Alkane mixtures with nitrogen, CO2 and water. Fluid Phase Equilibria, 2020, 514, 112553.	1.4	9
4	Molecular models for phase equilibria of alkanes with air components and combustion products II. Alkane â€“ Oxygen mixtures. Fluid Phase Equilibria, 2020, 520, 112650.	1.4	1
5	3D Graphene as an Unconventional Support Material for Ionic Liquid Membranes: Computational Insights into Gas Separations. Industrial & Engineering Chemistry Research, 2020, 59, 2203-2210.	1.8	12
6	Structure and properties of dicarboxylic acids at hexane/water interface: A molecular dynamics study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123725.	2.3	7
7	Structure and phase transitions of two-dimensional core-softened colloidal dumbbells: a molecular dynamics study. Materials Research Express, 2019, 6, 075076.	0.8	4
8	Widom line, dynamical crossover, and percolation transition of supercritical oxygen via molecular dynamics simulations. Journal of Chemical Physics, 2018, 148, 014502.	1.2	21
9	A coarse-grained model for PCL: conformation, self-assembly of MePEG-b-PCL amphiphilic diblock copolymers. Molecular Simulation, 2017, 43, 92-101.	0.9	13
10	Solubility of Artemisinin in Different Single and Binary Solvent Mixtures Between (284.15 and 323.15) K and NRTL Interaction Parameters. Journal of Chemical & Engineering Data, 2010, 55, 3356-3363.	1.0	37
11	Solubility of Lovastatin in Ethyl Acetate, Propyl Acetate, Isopropyl Acetate, Butyl Acetate, sec-Butyl Acetate, Isobutyl Acetate, tert-Butyl Acetate, and 2-Butanone, between (285 and) Tj ETQq1 1 0.784314 rgBT /O		
12	Solubility of Aspirin in Supercritical Carbon Dioxide with and without Acetone. Journal of Chemical & Engineering Data, 2004, 49, 1323-1327.	1.0	104
13	Integral equation theories for monodisperse and polydisperse sticky hard sphere chain fluid: Thermodynamic and structural properties in the polymer Percusâ€“Yevick and ideal chain approximations. Journal of Chemical Physics, 2003, 118, 10794-10807.	1.2	3
14	Monte Carlo simulations of conformations of short chains near a cylindrical rod. Journal of Chemical Physics, 2003, 119, 590-595.	1.2	3
15	Analytical integral equation theory for a restricted primitive model of polyelectrolytes and counterions within the mean spherical approximation. II. Radial distribution functions. Journal of Chemical Physics, 2003, 118, 4321-4330.	1.2	15
16	Thermodynamic and structural properties of a sticky hard-sphere heteronuclear dimer fluid. Journal of Chemical Physics, 2002, 117, 4462-4472.	1.2	4
17	Thermodynamic and structural properties of Yukawa hard chains. Journal of Chemical Physics, 2001, 115, 4376-4386.	1.2	31
18	Multidensity integral equation theory for a sticky hard sphere-hard sphere heteronuclear dimer fluid: Thermodynamic and structural properties. Journal of Chemical Physics, 2001, 115, 6641-6652.	1.2	7

#	Article	IF	Citations
19	A Model for Polyelectrolytes. Journal of Statistical Physics, 2000, 100, 267-277.	0.5	5
20	Leonard-Jones chain mixtures: variational theory and Monte Carlo simulation results. Molecular Physics, 1999, 96, 15-29.	0.8	17
21	Surface Dilational Rheological Properties of Protein-Adsorbed Interfaces. ACS Symposium Series, 1997, , 183-198.	0.5	2
22	Development and validation of a simple antigenâ€“antibody model. AICHE Journal, 1995, 41, 974-984.	1.8	6
23	A Monte Carlo method for simulating associating fluids. Journal of Chemical Physics, 1994, 101, 3147-3156.	1.2	42
24	P-V-T properties of alternating poly(ethylene-propylene) liquids. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 1791-1798.	2.4	18
25	Monte Carlo simulation of Lennardâ€Jones chains. Journal of Chemical Physics, 1994, 101, 2522-2531.	1.2	31
26	Percus-Yevick integral equation theory for athermal hard-sphere chains.. Molecular Physics, 1991, 73, 359-373.	0.8	112
27	Monte Carlo Simulations of Effective Diffusivities in Threeâ”Dimensional Pore Structures. Materials Research Society Symposia Proceedings, 1990, 195, 553.	0.1	2
28	Effective conductivity of twoâ€phase materials consisting of long parallel cylinders. Journal of Applied Physics, 1990, 67, 1684-1688.	1.1	6
29	Computer simulation of steadyâ€state diffusionâ€controlled reaction rates in dispersions of static sinks: Effect of sink sizes. Journal of Chemical Physics, 1990, 93, 2658-2663.	1.2	15
30	Intermolecular siteâ€“site correlation functions of athermal hardâ€sphere chains: Analytic integral equation theory. Journal of Chemical Physics, 1990, 93, 5067-5074.	1.2	68
31	Percus-Yevick integral-equation theory for athermal hard-sphere chains. Molecular Physics, 1990, 70, 129-143.	0.8	250
32	Computer simulation of diffusionâ€controlled reactions in dispersions of spherical sinks. Journal of Chemical Physics, 1989, 90, 322-327.	1.2	86
33	Selective particle clustering and percolation in binary mixtures of randomly centered spheres. Journal of Chemical Physics, 1989, 90, 5024-5029.	1.2	12
34	Percolation and connectivity of the attractive squareâ€well fluid: Monte Carlo simulation study. Journal of Chemical Physics, 1988, 89, 6385-6390.	1.2	28
35	Cluster volume and surface area in dispersions of penetrable particles or pores. Journal of Chemical Physics, 1988, 89, 1055-1063.	1.2	10
36	Twoâ€point cluster function for continuum percolation. Journal of Chemical Physics, 1988, 88, 6540-6547.	1.2	145