Josep C PÃ mies

List of Publications by Year
in descending order

21 papers	1,117 citations	623188 14 h-index	395343 33 g-index
73 all docs	73 docs citations	73 times ranked	1046 citing authors

#	Article	IF	Citations
1	Vaporâ^'Liquid Equilibria and Critical Behavior of Heavy n-Alkanes Using Transferable Parameters from the Soft-SAFT Equation of State. Industrial & Engineering Chemistry Research, 2001, 40, 2532-2543.	1.8	143
2	Phase diagram of Hertzian spheres. Journal of Chemical Physics, 2009, 131, 044514.	1.2	119
3	Thermodynamic properties of Lennard-Jones chain molecules: Renormalization-group corrections to a modified statistical associating fluid theory. Journal of Chemical Physics, 2004, 121, 10715-10724.	1.2	115
4	Vaporâ^'Liquid Equilibrium of Carbon Dioxideâ^'Perfluoroalkane Mixtures:â€‰ Experimental Data and SAFT Modeling. Industrial & Engineering Chemistry Research, 2006, 45, 2341-2350.	1.8	107
5	Interfacial properties of Lennard-Jones chains by direct simulation and density gradient theory. Journal of Chemical Physics, 2004, 121, 11395.	1.2	96
6	Phase and interface behaviors in type-I and type-V Lennard-Jones mixtures: Theory and simulations. Journal of Chemical Physics, 2005, 123, 034505.	1.2	77
7	Solubility of hydrogen in heavyn-alkanes: Experiments and saft modeling. AICHE Journal, 2003, 49, 3260-3269.	1.8	76
8	SAFT Modeling of the Solubility of Gases in Perfluoroalkanes. Journal of Physical Chemistry B, 2004, 108, 1450-1457.	1.2	75
9	Protein Shape and Crowding Drive Domain Formation and Curvature in Biological Membranes. Biophysical Journal, 2008, 94, 640-647.	0.2	74
10	Phase Equilibria of Ethylene Glycol Oligomers and Their Mixtures. Industrial & Engineering Chemistry Research, 2005, 44, 7027-7037.	1.8	54
11	Critical properties of homopolymer fluids studied by a Lennard-Jones statistical associating fluid theory. Molecular Physics, 2002, 100, 2519-2529.	0.8	31
12	Coexistence Densities of Methane and Propane by Canonical Molecular Dynamics and Gibbs Ensemble Monte Carlo Simulations. Molecular Simulation, 2003, 29, 463-470.	0.9	25
13	Materials for drug delivery. Nature Materials, 2013, 12, 957-957.	13.3	21
14	Reshaping Elastic Nanotubes via Self-Assembly of Surface-Adhesive Nanoparticles. Physical Review Letters, 2011, 106, 045702.	2.9	20
15	Thermodynamic properties and aggregate formation of surfactant-like molecules from theory and simulation. Journal of Chemical Physics, 2004, 120, 9822-9830.	1.2	9
16	Phase behavior of repulsive polymer-tethered colloids. Journal of Chemical Physics, 2010, 132, 014901.	1.2	8
17	A molecular-based equation of state for process engineering. Computer Aided Chemical Engineering, 2005, 20, 505-510.	0.3	5
18	Application of the optimized Baxter model to the hard-core attractive Yukawa system. Journal of Chemical Physics, 2006, 125, 194506.	1.2	3

#	Article	IF	Citations
19	Programmable competitive binding. Nature Materials, 2015, 14, 368-368.	13.3	3
20	Screened DNA packs faster. Nature Materials, 2014, 13, 769-769.	13.3	0
21	Resolution power. Nature Materials, 2015, 14, 966-966.	13.3	0