Thijs van Westen

List of Publications by Year
in descending order

22	275	933264 10	940416 16
papers	citations	h-index	g-index

23	23	23	237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EquationÂof state and Helmholtz energy functional for fused heterosegmented hard chains. Physical Review E, 2022, 105, 034110.	0.8	1
2	Perturbation theories for fluids with short-ranged attractive forces: A case study of the Lennard-Jones spline fluid. Journal of Chemical Physics, 2022, 156, 104504.	1.2	6
3	Accurate first-order perturbation theory for fluids: uf-theory. Journal of Chemical Physics, 2021, 154, 041102.	1.2	11
4	Algebraic second virial coefficient of the Mie m â^' 6 intermolecular potential based on perturbation theory. Journal of Chemical Physics, 2021, 154, 234502.	1.2	6
5	Predicting solvation free energies in non-polar solvents using classical density functional theory based on the PC-SAFT equation of state. Journal of Chemical Physics, 2021, 154, 244106.	1.2	6
6	Accurate thermodynamics of simple fluids and chain fluids based on first-order perturbation theory and second virial coefficients: uv-theory. Journal of Chemical Physics, 2021, 155, 244501.	1.2	11
7	An equation of state for Stockmayer fluids based on a perturbation theory for dipolar hard spheres. Journal of Chemical Physics, 2019, 151, 104102.	1.2	2
8	Predicting the Kinetics of Ice Recrystallization in Aqueous Sugar Solutions. Crystal Growth and Design, 2018, 18, 2405-2416.	1.4	12
9	Optimizing Nonbonded Interactions of the OPLS Force Field for Aqueous Solutions of Carbohydrates: How to Capture Both Thermodynamics and Dynamics. Journal of Chemical Theory and Computation, 2018, 14, 6690-6700.	2.3	20
10	Effect of Temperature Cycling on Ostwald Ripening. Crystal Growth and Design, 2018, 18, 4952-4962.	1.4	47
11	A critical evaluation of perturbation theories by Monte Carlo simulation of the first four perturbation terms in a Helmholtz energy expansion for the Lennard-Jones fluid. Journal of Chemical Physics, 2017, 147, 014503.	1.2	27
12	Liquid-crystal phase equilibria of Lennard-Jones chains. Molecular Physics, 2016, 114, 895-908.	0.8	8
13	Isotropic-nematic phase equilibria of hard-sphere chain fluidsâ€"Pure components and binary mixtures. Journal of Chemical Physics, 2015, 142, 064903.	1.2	8
14	On the vapor-liquid equilibrium of attractive chain fluids with variable degree of molecular flexibility. Journal of Chemical Physics, 2015, 142, 224504.	1.2	5
15	An analytical equation of state for describing isotropic-nematic phase equilibria of Lennard-Jones chain fluids with variable degree of molecular flexibility. Journal of Chemical Physics, 2015, 142, 244903.	1.2	11
16	An equation of state for the isotropic phase of linear, partially flexible and fully flexible tangent hard-sphere chain fluids. Molecular Physics, 2014, 112, 919-928.	0.8	12
17	The isotropic-nematic and nematic-nematic phase transition of binary mixtures of tangent hard-sphere chain fluids: An analytical equation of state. Journal of Chemical Physics, 2014, 140, 034504.	1.2	5
18	The isotropic-nematic phase transition of tangent hard-sphere chain fluidsâ€"Pure components. Journal of Chemical Physics, 2013, 139, 034505.	1.2	16

#	Article	IF	Citations
19	The phase behavior of linear and partially flexible hard-sphere chain fluids and the solubility of hard spheres in hard-sphere chain fluids. Journal of Chemical Physics, 2013, 138, 204905.	1.2	15
20	An analytical approximation for the orientation-dependent excluded volume of tangent hard sphere chains of arbitrary chain length and flexibility. Journal of Chemical Physics, 2012, 137, 044906.	1.2	13
21	Determining Force Field Parameters Using a Physically Based Equation of State. Journal of Physical Chemistry B, 2011, 115, 7872-7880.	1.2	33
22	Double-Hard-Sphere perturbation theory: a perturbation theory that is less dependent on the value of the hard-sphere diameter. Molecular Physics, 0, , .	0.8	0