Ramses Van Zon

List of Publications by Year
in descending order

15	228	933447 10	996975 15
papers	citations	h-index	g-index

15	15	15	188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Constructing smooth potentials of mean force, radial distribution functions, and probability densities from sampled data. Journal of Chemical Physics, 2010, 132, 154110.	3.0	18
2	Effective pair potentials for spherical nanoparticles. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02008.	2.3	5
3	Quantum free-energy differences from nonequilibrium path integrals. I. Methods and numerical application. Physical Review E, 2008, 78, 041103.	2.1	18
4	Quantum free-energy differences from nonequilibrium path integrals. II. Convergence properties for the harmonic oscillator. Physical Review E, 2008, 78, 041104.	2.1	18
5	Event-driven dynamics of rigid bodies interacting via discretized potentials. Journal of Chemical Physics, 2008, 128, 154119.	3.0	14
6	Gaussian approximation to single particle correlations at and below the picosecond scale for Lennard-Jones and nanoparticle fluids. Nonlinearity, 2008, 21, R119-R137.	1.4	2
7	Efficient algorithms for rigid body integration using optimized splitting methods and exact free rotational motion. Journal of Chemical Physics, 2008, 128, 136102.	3.0	12
8	Discontinuous molecular dynamics for semiflexible and rigid bodies. Journal of Chemical Physics, 2007, 126, 074105.	3.0	29
9	Discontinuous molecular dynamics for rigid bodies: Applications. Journal of Chemical Physics, 2007, 126, 074106.	3.0	10
10	Symplectic algorithms for simulations of rigid-body systems using the exact solution of free motion. Physical Review E, 2007, 75, 056701.	2.1	18
11	Short-time fluctuations of displacements and work. Comptes Rendus Physique, 2007, 8, 633-640.	0.9	1
12	Numerical implementation of the exact dynamics of free rigid bodies. Journal of Computational Physics, 2007, 225, 145-164.	3.8	33
13	Mode-Coupling Theory for Multiple-Time Correlation Functions of Tagged Particle Densities and Dynamical Filters Designed for Glassy Systems. Journal of Physical Chemistry B, 2005, 109, 21425-21436.	2.6	4
14	Multiple-point and multiple-time correlation functions in a hard-sphere fluid. Physical Review E, 2001, 65, 011107.	2.1	17
15	Mode-coupling theory for multiple-point and multiple-time correlation functions. Physical Review E, 2001, 65, 011106.	2.1	29