

# Ramses Van Zon

## List of Publications by Year in descending order

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15  
papers

228  
citations

933447

10  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

188  
citing authors

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