

Ignacio ZÃ³Ã±iga

List of Publications by Year in descending order

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14
papers

407
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-conserving coarse-graining of complex molecules. <i>Soft Matter</i> , 2016, 12, 4821-4837.	2.7	22
2	Obtaining fully dynamic coarse-grained models from MD. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10538.	2.8	60
3	Microscopic derivation of discrete hydrodynamics. <i>Journal of Chemical Physics</i> , 2009, 131, 244117.	3.0	44
4	On the definition of discrete hydrodynamic variables. <i>Journal of Chemical Physics</i> , 2009, 131, 164106.	3.0	24
5	Voronoi Fluid Particle Model for Euler Equations. <i>Journal of Statistical Physics</i> , 2005, 121, 133-147.	1.2	11
6	Dynamic fracture in a discrete model of a brittle elastic solid. <i>Physical Review E</i> , 2000, 61, 6120-6131.	2.1	20
7	Effect of boundary conditions in mode I fracture in brittle materials. <i>Physica D: Nonlinear Phenomena</i> , 1996, 96, 375-383.	2.8	3
8	Microhydrodynamics with Dissipative Particle Dynamics. <i>Materials Research Society Symposia Proceedings</i> , 1995, 407, 81.	0.1	2
9	Isotropic Md Simulations Of Dynamic Brittle Fracture. <i>Materials Research Society Symposia Proceedings</i> , 1995, 409, 101.	0.1	1
10	Scaling of the time-dependent self-diffusion coefficient and the propagation of hydrodynamic interactions. <i>Physical Review E</i> , 1995, 51, 803-806.	2.1	13
11	Force autocorrelation function in Brownian motion theory. <i>Journal of Chemical Physics</i> , 1993, 98, 574-580.	3.0	101
12	Scaling of the time-dependent diffusion coefficient by molecular dynamics simulation. <i>Physical Review Letters</i> , 1993, 71, 3665-3668.	7.8	11
13	Conformational statistics of poly(dimethylsiloxane). 1. Probability distribution of rotational isomers from molecular dynamics simulations. <i>Macromolecules</i> , 1991, 24, 2986-2992.	4.8	52
14	Molecular dynamics analysis of transitions between rotational isomers in polymethylene. <i>Journal of Chemical Physics</i> , 1991, 95, 5348-5354.	3.0	43