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