

Hideki Kobayashi

List of Publications by Year in descending order

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papers

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1163117

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1058476

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times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of Microgels with Debye-Hückel Interactions. <i>Polymers</i> , 2014, 6, 1602-1617.	4.5	59
2	Universal conformational properties of polymers in ionic nanogels. <i>Scientific Reports</i> , 2016, 6, 19836.	3.3	42
3	Polymer Conformations in Ionic Microgels in the Presence of Salt: Theoretical and Mesoscale Simulation Results. <i>Polymers</i> , 2017, 9, 15.	4.5	38
4	ESPResSo++ 2.0: Advanced methods for multiscale molecular simulation. <i>Computer Physics Communications</i> , 2019, 238, 66-76.	7.5	30
5	Implementation of Lees-Edwards periodic boundary conditions for direct numerical simulations of particle dispersions under shear flow. <i>Journal of Chemical Physics</i> , 2011, 134, 064110.	3.0	25
6	Tumbling motion of a single chain in shear flow: A crossover from Brownian to non-Brownian behavior. <i>Physical Review E</i> , 2010, 81, 041807.	2.1	24
7	Internal dynamics of microgels: A mesoscale hydrodynamic simulation study. <i>Journal of Chemical Physics</i> , 2016, 145, 244902.	3.0	24
8	Rheological evaluation of colloidal dispersions using the smoothed profile method: formulation and applications. <i>Journal of Fluid Mechanics</i> , 2016, 792, 590-619.	3.4	20
9	Correction of coarse-graining errors by a two-level method: Application to the Asakura-Oosawa model. <i>Journal of Chemical Physics</i> , 2019, 151, 144108.	3.0	8
10	Reentrant transition in the shear viscosity of dilute rigid-rod dispersions. <i>Physical Review E</i> , 2011, 84, 051404.	2.1	7
11	Comparing equilibration schemes of high-molecular-weight polymer melts with topological indicators. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 204003.	1.8	7
12	Efficient Bayesian inference of fully stochastic epidemiological models with applications to COVID-19. <i>Royal Society Open Science</i> , 2021, 8, 211065.	2.4	3
13	Critical point for demixing of binary hard spheres. <i>Physical Review E</i> , 2021, 104, 044603.	2.1	3
14	Development of the Simulator for the Phase Separated Structure of Spherical Filler and Binary Polymer Blended System. <i>Nippon Gomu Kyokaishi</i> , 2013, 86, 222-226.	0.0	2