Akira Yoshimori

List of Publications by Year
in descending order

31 papers	256 citations	1040056 9 h-index	996975 15 g-index
31 all docs	31 docs citations	31 times ranked	117 citing authors

#	Article	IF	Citations
1	Microscopic derivation of time-dependent density functional methods. Physical Review E, 2005, 71, 031203.	2.1	38
2	TIME DEPENDENT DENSITY FUNCTIONAL METHODS AND THEIR APPLICATION TO CHEMICAL PHYSICS. Journal of Theoretical and Computational Chemistry, 2004, 03, 117-144.	1.8	34
3	Specific heat anomaly at the glass transition. Journal of Chemical Physics, 2002, 117, 10151-10155.	3.0	29
4	A Perturbation Theory for Friction of a Large Particle Immersed in a Binary Solvent. Journal of the Physical Society of Japan, 2012, 81, SA026.	1.6	15
5	Perturbation Theory of Large-Particle Diffusion. Journal of the Physical Society of Japan, 2012, 81, 114603.	1.6	11
6	Perturbation Theory of Large-Particle Diffusion in a Binary Solvent Mixture. Journal of the Physical Society of Japan, 2014, 83, 064601.	1.6	11
7	Nonlinear Distribution Dynamics of Solvation. Journal of the Physical Society of Japan, 2001, 70, 1833-1841.	1.6	9
8	A Microscopic Model of Jump Rate Distribution in the Glass Transition. Journal of the Physical Society of Japan, 2005, 74, 1206-1213.	1.6	9
9	New conditions for validity of the centroid molecular dynamics and ring polymer molecular dynamics. Journal of Chemical Physics, 2008, 128, 234105.	3.0	9
10	Construction of the Free Energy Landscape by the Density Functional Approarch. Journal of the Physical Society of Japan, 2006, 75, 054005.	1.6	8
11	Reduced density profile of small particles near a large particle: Results of an integral equation theory with an accurate bridge function and a Monte Carlo simulation. Journal of Chemical Physics, 2019, 151, 044506.	3.0	8
12	Configurational Entropy and Heat Capacity in Supercooled Liquids. Journal of the Physical Society of Japan, 2011, 80, 064601.	1.6	7
13	Time-Dependent Density Functional Theory Formulated Using the Interaction-Site Model. Journal of the Physical Society of Japan, 2011, 80, 034801.	1.6	7
14	Solvation effects on diffusion processes of a macromolecule: Accuracy required for radial distribution function to calculate diffusion coefficient. Journal of Chemical Physics, 2021, 154, 084501.	3.0	7
15	Solid phase stability of a double-minimum interaction potential system. Journal of Chemical Physics, 2014, 140, 244501.	3.0	6
16	Stick boundary condition at large hard sphere arising from effective attraction in binary hard-sphere mixtures. Journal of Chemical Physics, 2018, 148, 124502.	3.0	6
17	Studies of Liquidâ€“Solid Transitions Using a Thermodynamic Perturbation Method with Modified Weighted Density Approximation. Journal of the Physical Society of Japan, 2011, 80, 025001.	1.6	5
18	Application of Phase Transition Theory to a Glass-Forming System. Journal of the Physical Society of Japan, 2012, 81, SA020.	1.6	5

#	Article	IF	Citations
19	New Macroscopic Expression Connecting Energy Dissipation with Violation of Fluctuation Response Relation in Colloidal Many-Particle Systems. Journal of the Physical Society of Japan, 2012, 81, 094002.	1.6	5
20	Theoretical Method of Calculating Solvent Nonequilibrium Effect on Solute Movement. Journal of the Physical Society of Japan, 2015, 84, 123601.	1.6	4
21	A Unified Expression of Haradaâ€“Sasa Equality in Underdamped and Overdamped Langevin Systems of the Field Variable Description. Journal of the Physical Society of Japan, 2015, 84, 044008.	1.6	4
22	Dynamics of the entropic insertion of a large sphere into a cylindrical vessel. Journal of Chemical Physics, 2016, 144, 105103.	3.0	4
23	Time-Dependent Density Functional Theory of Polarization Relaxation under External Field. Journal of the Physical Society of Japan, 2013, 82, 013001.	1.6	3
24	A Unified Proof of the Haradaâ€“Sasa Equality for Underdamped and Overdamped Langevin Systems. Journal of the Physical Society of Japan, 2014, 83, 053001.	1.6	3
25	Separation of Dynamics in the Free Energy Landscape. AIP Conference Proceedings, 2008, , .	0.4	2
26	A Theory of Solvation Effects on Viscosity. Journal of the Physical Society of Japan, 2015, 84, 043602.	1.6	2
27	Dynamic Monte Carlo calculation generating particle trajectories that satisfy the diffusion equation for heterogeneous systems with a position-dependent diffusion coefficient and free energy. Journal of Chemical Physics, 2022, 156, 154506.	3.0	2
28	A Theory of Hole Transfer in DNA. Journal of the Physical Society of Japan, 2012, 81, 093801.	1.6	1
29	Method for Studying Many-Particle Effects on Nonequilibrium Steady States. Journal of the Physical Society of Japan, 2017, 86, 074604.	1.6	1
30	Inhomogeneous Effects of Number Density on Polarization Relaxation of a Polar Solvent around an Ion. Journal of the Physical Society of Japan, 2021, 90, 073801.	1.6	1
31	Comparisons of semiclassical approximations by expansion in Planckâ€™s constant. Journal of Chemical Physics, 1998, 109, 8790-8800.	3.0	0