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	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
2	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
3	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
4	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
5	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
6	Method for Studying Many-Particle Effects on Nonequilibrium Steady States. Journal of the Physical Society of Japan, 2017, 86, 074604.	1.6	1
7	Dynamics of the entropic insertion of a large sphere into a cylindrical vessel. Journal of Chemical Physics, 2016, 144, 105103.	3.0	4
8	Theoretical Method of Calculating Solvent Nonequilibrium Effect on Solute Movement. Journal of the Physical Society of Japan, 2015, 84, 123601.	1.6	4
9	A Unified Expression of Harada–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
10	A Theory of Solvation Effects on Viscosity. Journal of the Physical Society of Japan, 2015, 84, 043602.	1.6	2
11	Solid phase stability of a double-minimum interaction potential system. Journal of Chemical Physics, 2014, 140, 244501.	3.0	6
12	Perturbation Theory of Large-Particle Diffusion in a Binary Solvent Mixture. Journal of the Physical Society of Japan, 2014, 83, 064601.	1.6	11
13	A Unified Proof of the Harada–Sasa Equality for Underdamped and Overdamped Langevin Systems. Journal of the Physical Society of Japan, 2014, 83, 053001.	1.6	3
14	Time-Dependent Density Functional Theory of Polarization Relaxation under External Field. Journal of the Physical Society of Japan, 2013, 82, 013001.	1.6	3
15	A Theory of Hole Transfer in DNA. Journal of the Physical Society of Japan, 2012, 81, 093801.	1.6	1
16	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
17	Application of Phase Transition Theory to a Glass-Forming System. Journal of the Physical Society of Japan, 2012, 81, SA020.	1.6	5
18	Perturbation Theory of Large-Particle Diffusion. Journal of the Physical Society of Japan, 2012, 81, 114603.	1.6	11

#	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	Configurational Entropy and Heat Capacity in Supercooled Liquids. Journal of the Physical Society of Japan, 2011, 80, 064601.	1.6	7
21	Studies of Liquid–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
22	Time-Dependent Density Functional Theory Formulated Using the Interaction-Site Model. Journal of the Physical Society of Japan, 2011, 80, 034801.	1.6	7
23	New conditions for validity of the centroid molecular dynamics and ring polymer molecular dynamics. Journal of Chemical Physics, 2008, 128, 234105.	3.0	9
24	Separation of Dynamics in the Free Energy Landscape. AIP Conference Proceedings, 2008, , .	0.4	2
25	Construction of the Free Energy Landscape by the Density Functional Approach. Journal of the Physical Society of Japan, 2006, 75, 054005.	1.6	8
26	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
27	Microscopic derivation of time-dependent density functional methods. Physical Review E, 2005, 71, 031203.	2.1	38
28	TIME DEPENDENT DENSITY FUNCTIONAL METHODS AND THEIR APPLICATION TO CHEMICAL PHYSICS. Journal of Theoretical and Computational Chemistry, 2004, 03, 117-144.	1.8	34
29	Specific heat anomaly at the glass transition. Journal of Chemical Physics, 2002, 117, 10151-10155.	3.0	29
30	Nonlinear Distribution Dynamics of Solvation. Journal of the Physical Society of Japan, 2001, 70, 1833-1841.	1.6	9
31	Comparisons of semiclassical approximations by expansion in Planck's constant. Journal of Chemical Physics, 1998, 109, 8790-8800.	3.0	0