Xueyu Song

List of Publications by Year in descending order

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35 papers	1,300 citations	516710 16 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1136 citing authors

#	Article	IF	Citations
1	The melting lines of model systems calculated from coexistence simulations. Journal of Chemical Physics, 2002, 116, 9352-9358.	3.0	267
2	Semiclassical study of electronically nonadiabatic dynamics in the condensed-phase: Spin-boson problem with Debye spectral density. Journal of Chemical Physics, 1999, 110, 4828-4840.	3.0	159
3	The anisotropic free energy of the Lennard-Jones crystal-melt interface. Journal of Chemical Physics, 2003, 119, 3920-3925.	3.0	125
4	Time-Dependent Stokes Shift and Its Calculation from Solvent Dielectric Dispersion Data. Journal of Physical Chemistry B, 1997, 101, 2546-2551.	2.6	106
5	Dielectric solvation dynamics of molecules of arbitrary shape and charge distribution. Journal of Chemical Physics, 1998, 108, 2594-2600.	3.0	105
6	Gaussian Field Model of Dielectric Solvation Dynamics. The Journal of Physical Chemistry, 1996, 100, 11954-11959.	2.9	91
7	An inhomogeneous model of protein dielectric properties: Intrinsic polarizabilities of amino acids. Journal of Chemical Physics, 2002, 116, 9359-9363.	3.0	75
8	Solvation dynamics in ionic fluids: An extended Debyeâ€“HÃ¼ckel dielectric continuum model. Journal of Chemical Physics, 2009, 131, 044503.	3.0	51
9	A molecular Debye-HÃ¼ckel theory and its applications to electrolyte solutions. Journal of Chemical Physics, 2011, 135, 104104.	3.0	39
10	Quantum effects in electron transfer reactions with strong electronic coupling. Journal of Chemical Physics, 1994, 101, 9354-9365.	3.0	32
11	Role of anisotropic interactions in protein crystallization. Physical Review E, 2002, 66, 011909.	2.1	25
12	What Is the Best Method to Fit Time-Resolved Data? A Comparison of the Residual Minimization and the Maximum Likelihood Techniques As Applied to Experimental Time-Correlated, Single-Photon Counting Data. Journal of Physical Chemistry B, 2016, 120, 2484-2490.	2.6	25
13	Reorganization energy of electron transfer processes in ionic fluids: A molecular Debye-HÃ¼ckel approach. Journal of Chemical Physics, 2013, 138, 114105.	3.0	23
14	The van der Waals interaction between protein molecules in an electrolyte solution. Journal of Chemical Physics, 2004, 120, 2005-2009.	3.0	20
15	A molecular Debye-HÃ¼ckel approach to the reorganization energy of electron transfer reactions in an electric cell. Journal of Chemical Physics, 2014, 141, 134104.	3.0	20
16	Theoretical calculation of the melting curve of Cu-Zr binary alloys. Physical Review E, 2014, 90, 052403.	2.1	17
17	Theoretical prediction of crystallization kinetics of a supercooled Lennard-Jones fluid. Journal of Chemical Physics, 2018, 148, 204506.	3.0	15
18	Calculations of the second virial coefficients of protein solutions with an extended fast multipole method. Physical Review E, 2011, 83, 011915.	2.1	14

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19	A molecular Debye-HÃ¼ckel theory and its applications to electrolyte solutions: The size asymmetric case. Journal of Chemical Physics, 2017, 146, 124118.	3.0	13
20	Functional integral formulations for classical fluids. Journal of Chemical Physics, 2001, 114, 5637-5641.	3.0	12
21	The Extent of Anisotropic Interactions Between Protein Molecules in Electrolyte Solutions. Molecular Simulation, 2003, 29, 643-647.	2.0	10
22	Photon Counting Data Analysis: Application of the Maximum Likelihood and Related Methods for the Determination of Lifetimes in Mixtures of Rose Bengal and Rhodamine B. Journal of Physical Chemistry A, 2017, 121, 122-132.	2.5	7
23	A Bayesian Approach for Extracting Fluorescence Lifetimes from Sparse Data Sets and Its Significance for Imaging Experiments. Photochemistry and Photobiology, 2019, 95, 773-779.	2.5	7
24	A Systematic Way to Extend the Debyeâ€“HÃ¼ckel Theory beyond Dilute Electrolyte Solutions. Journal of Physical Chemistry A, 2021, 125, 2173-2183.	2.5	7
25	Calculations of the binding affinities of protein-protein complexes with the fast multipole method. Journal of Chemical Physics, 2010, 133, 095101.	3.0	5
26	Theoretical studies of dielectric solvation dynamics. , 1999, , .		4
27	Free Energy Calculations of Crystalline Hard Sphere Complexes Using Density Functional Theory. Journal of Physical Chemistry B, 2015, 119, 9160-9166.	2.6	4
28	Dielectric response of a polarizable system with quenched disorder. Physical Review E, 2000, 62, 7949-7956.	2.1	3
29	Self-consistent theory of orientational order and fluidâ€“solid equilibria in weakly anisotropic fluids. Journal of Chemical Physics, 2002, 116, 4587-4596.	3.0	3
30	Response to â€œComment on â€˜Theoretical prediction of crystallization kinetics of a supercooled Lennard-Jones fluidâ€™â€•[J. Chem. Phys. 151, 017101 (2019)]. Journal of Chemical Physics, 2019, 151, 017102.	3.0	3
31	Studying vapor-liquid transition using a generalized ensemble. Journal of Chemical Physics, 2019, 151, 134108.	3.0	3
32	Spectral Narrowing Accompanies Enhanced Spatial Resolution in Saturated Coherent Anti-Stokes Raman Scattering (CARS): Comparisons of Experiment and Theory. Journal of Physical Chemistry A, 2020, 124, 4305-4313.	2.5	3
33	Localization of Nonblinking Point Sources Using Higher-Order-Mode Detection and Optical Heterodyning: Developing a Strategy for Extending the Scope of Molecular, Super-resolution Imaging. Journal of Physical Chemistry B, 2021, 125, 3092-3104.	2.6	3
34	Polarizability fluctuations in dielectric materials with quenched disorder. Physical Review E, 2000, 62, 4698-4701.	2.1	2
35	A molecular Debye-HÃ¼ckel theory of solvation in polar fluids: An extension of the Born model. Journal of Chemical Physics, 2017, 147, 214502.	3.0	2