

Zhe Wu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,097
citations

623574

14
h-index

940416

16
g-index

18
all docs

18
docs citations

18
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulations of large macromolecular complexes. <i>Current Opinion in Structural Biology</i> , 2015, 31, 64-74.	2.6	347
2	A New Coarse-Grained Model for Water: The Importance of Electrostatic Interactions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10524-10529.	1.2	170
3	Self-Diffusion and Viscosity in Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12007-12013.	1.2	156
4	A New Coarse-Grained Force Field for Membrane Peptide Simulations. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 3793-3802.	2.3	75
5	Why Do Arginine and Lysine Organize Lipids Differently? Insights from Coarse-Grained and Atomistic Simulations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12145-12156.	1.2	60
6	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. <i>ACS Nano</i> , 2015, 9, 10695-10718.	7.3	56
7	Multilevel Summation Method for Electrostatic Force Evaluation. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 766-779.	2.3	46
8	Synaptotagmin's Role in Neurotransmitter Release Likely Involves Ca ²⁺ -induced Conformational Transition. <i>Biophysical Journal</i> , 2014, 107, 1156-1166.	0.2	42
9	Driving Force for the Association of Hydrophobic Peptides: The Importance of Electrostatic Interactions in Coarse-Grained Water Models. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1794-1798.	2.1	38
10	Efficient Exploration of Membrane-Associated Phenomena at Atomic Resolution. <i>Journal of Membrane Biology</i> , 2015, 248, 563-582.	1.0	33
11	The Water Permeability and Pore Entrance Structure of Aquaporin-4 Depend on Lipid Bilayer Thickness. <i>Biophysical Journal</i> , 2016, 111, 90-99.	0.2	20
12	Generation and sensing of membrane curvature: Where materials science and biophysics meet. <i>Current Opinion in Solid State and Materials Science</i> , 2013, 17, 164-174.	5.6	19
13	Gas-Phase Ion Isomer Analysis Reveals the Mechanism of Peptide Sequence Scrambling. <i>Analytical Chemistry</i> , 2014, 86, 2917-2924.	3.2	17
14	Pro-Nifuroxazide Self-Assembly Leads to Triggerable Nanomedicine for Anti-cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18074-18089.	4.0	16
15	Multilevel Summation Method for Electrostatic Force Evaluation. <i>Biophysical Journal</i> , 2015, 108, 183a.	0.2	1
16	Computational Modeling of Sodium Channel Inactivation. <i>Biophysical Journal</i> , 2016, 110, 108a.	0.2	1
17	C2B Domain in Synaptotagmin I Induces Membrane Bending Only After Conformational Change. <i>Biophysical Journal</i> , 2014, 106, 504a.	0.2	0
18	How Synaptotagmin I, N-BAR and F-BAR Domains Generate Membrane Curvature. <i>Biophysical Journal</i> , 2015, 108, 555a.	0.2	0