

Stepan Timr

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

813
citations

840585

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887953

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all docs

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docs citations

18
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyloid Oligomers: A Joint Experimental/Computational Perspective on Alzheimer's Disease, Parkinson's Disease, Type II Diabetes, and Amyotrophic Lateral Sclerosis. <i>Chemical Reviews</i> , 2021, 121, 2545-2647.	23.0	406
2	Two-photon polarization microscopy reveals protein structure and function. <i>Nature Methods</i> , 2011, 8, 684-690.	9.0	76
3	Calcium ions in aqueous solutions: Accurate force field description aided by <i>ab initio</i> molecular dynamics and neutron scattering. <i>Journal of Chemical Physics</i> , 2018, 148, 222813.	1.2	75
4	Stability Effect of Quinary Interactions Reversed by Single Point Mutations. <i>Journal of the American Chemical Society</i> , 2019, 141, 4660-4669.	6.6	61
5	Transmembrane Potential Modeling: Comparison between Methods of Constant Electric Field and Ion Imbalance. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2418-2425.	2.3	34
6	Accurate Determination of the Orientational Distribution of a Fluorescent Molecule in a Phospholipid Membrane. <i>Journal of Physical Chemistry B</i> , 2014, 118, 855-863.	1.2	30
7	Modelling lipid systems in fluid with Lattice Boltzmann Molecular Dynamics simulations and hydrodynamics. <i>Scientific Reports</i> , 2019, 9, 16450.	1.6	22
8	The Unfolding Journey of Superoxide Dismutase 1 Barrels under Crowding: Atomistic Simulations Shed Light on Intermediate States and Their Interactions with Crowders. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4206-4212.	2.1	18
9	Membrane Binding of Recoverin: From Mechanistic Understanding to Biological Functionality. <i>ACS Central Science</i> , 2017, 3, 868-874.	5.3	15
10	Calcium Sensing by Recoverin: Effect of Protein Conformation on Ion Affinity. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1613-1619.	2.1	14
11	Sequestration of Proteins in Stress Granules Relies on the In-Cell but Not the <i>In Vitro</i> Folding Stability. <i>Journal of the American Chemical Society</i> , 2021, 143, 19909-19918.	6.6	14
12	Protein thermal stability. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 170, 239-272.	0.9	11
13	Stabilizing or Destabilizing: Simulations of Chymotrypsin Inhibitor 2 under Crowding Reveal Existence of a Crossover Temperature. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1741-1746.	2.1	11
14	Nonlinear Optical Properties of Fluorescent Dyes Allow for Accurate Determination of Their Molecular Orientations in Phospholipid Membranes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9706-9716.	1.2	10
15	Oxidation of Cholesterol Does Not Alter Significantly Its Uptake into High-Density Lipoprotein Particles. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4594-4600.	1.2	6
16	Expertomica Cells: analysis of cell monolayer development. <i>Bioinformatics</i> , 2010, 26, 278-279.	1.8	5
17	Quantitative linear dichroism imaging of molecular processes in living cells made simple by open software tools. <i>Communications Biology</i> , 2021, 4, 189.	2.0	4
18	Computational Insights into the Unfolding of a Destabilized Superoxide Dismutase 1 Mutant. <i>Biology</i> , 2021, 10, 1240.	1.3	1