Stepan Timr

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5183687/publications.pdf

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18	813	840585 11	887953 17
papers	citations	h-index	g-index

18	18	18	1002
all docs	docs citations	times ranked	citing authors

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