Simon Mitternacht

List of Publications by Year
in descending order

18	978	623734 14	839539 18
papers	citations	h-index	g-index

18	18	18	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FreeSASA: An open source C library for solvent accessible surface area calculations. F1000Research, 2016, 5, 189.	1.6	294
2	SPACER: server for predicting allosteric communication and effects of regulation. Nucleic Acids Research, 2013, 41, W266-W272.	14.5	88
3	Binding Leverage as a Molecular Basis for Allosteric Regulation. PLoS Computational Biology, 2011, 7, e1002148.	3.2	76
4	Dissecting the mechanical unfolding of ubiquitin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13427-13432.	7.1	70
5	An effective all-atom potential for proteins. PMC Biophysics, 2009, 2, 2.	2.3	63
6	Spontaneous Î²â€barrel formation: An allâ€atom Monte Carlo study of AÎ²_{16â€“22} oligomerization. Proteins: Structure, Function and Bioinformatics, 2008, 71, 207-214.	2.6	52
7	Unraveling Hidden Regulatory Sites in Structurally Homologous Metalloproteases. Journal of Molecular Biology, 2013, 425, 2330-2346.	4.2	52
8	Monte Carlo Study of the Formation and Conformational Properties of Dimers of AÎ²42 Variants. Journal of Molecular Biology, 2011, 410, 357-367.	4.2	50
9	Comparing the folding freeâ€energy landscapes of AÎ²42 variants with different aggregation properties. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2600-2608.	2.6	45
10	Coherent Conformational Degrees of Freedom as a Structural Basis for Allosteric Communication. PLoS Computational Biology, 2011, 7, e1002301.	3.2	44
11	Changing the Mechanical Unfolding Pathway of FnIII10 by Tuning the Pulling Strength. Biophysical Journal, 2009, 96, 429-441.	0.5	42
12	A geometry-based generic predictor for catalytic and allosteric sites. Protein Engineering, Design and Selection, 2011, 24, 405-409.	2.1	29
13	Thermal versus mechanical unfolding of ubiquitin. Proteins: Structure, Function and Bioinformatics, 2006, 65, 759-766.	2.6	28
14	Unfolding times for proteins in a force clamp. Physical Review E, 2010, 81, 010902.	2.1	16
15	Mechanical Resistance in Unstructured Proteins. Biophysical Journal, 2013, 104, 2725-2732.	0.5	15
16	Differences in Solution Behavior among Four Semiconductor-Binding Peptides. Journal of Physical Chemistry B, 2007, 111, 4355-4360.	2.6	11
17	On the Importance of Amino Acid Sequence and Spatial Proximity of Interacting Residues for Protein Folding. Journal of Biomolecular Structure and Dynamics, 2011, 28, 607-609.	3.5	2
18	Protein folding, aggregation and unfolding in Monte Carlo simulations. Physics Procedia, 2010, 7, 68-71.	1.2	1