F Marty Ytreberg

List of Publications by Year
in descending order

44	963	430874	477307
papers	citations	18 h-index	29 g-index

49	49	49	1271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Paired Simulations and Experimental Investigations into the Calcium-Dependent Conformation of Albumin. Journal of Chemical Information and Modeling, 2022, 62, 1282-1293.	5.4	7
2	Searching for a mechanistic description of pairwise epistasis in protein systems. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1474-1485.	2.6	3
3	Molecular Modeling Predicts Novel Antibody Escape Mutations in the Respiratory Syncytial Virus Fusion Glycoprotein. Journal of Virology, 2022, 96, .	3.4	6
4	Implementing and Assessing an Alchemical Method for Calculating Proteinâ€“Protein Binding Free Energy. Journal of Chemical Theory and Computation, 2021, 17, 2457-2464.	5.3	16
5	EfgA is a conserved formaldehyde sensor that leads to bacterial growth arrest in response to elevated formaldehyde. PLoS Biology, 2021, 19, e3001208.	5.6	13
6	Protein Stability in Titan's Subsurface Water Ocean. Astrobiology, 2020, 20, 190-198.	3.0	1
7	Predicting the viability of beta-lactamase: How folding and binding free energies correlate with beta-lactamase fitness. PLoS ONE, 2020, 15, e0233509.	2.5	26
8	Assessment of software methods for estimating protein-protein relative binding affinities. PLoS ONE, 2020, 15, e0240573.	2.5	11
9	Title is missing!. , 2020, 15, e0233509.		0
10	Title is missing!. , 2020, 15, e0233509.		0
11	Title is missing!. , 2020, 15, e0233509.		0
12	Title is missing!. , 2020, 15, e0233509.		0
13	Expanding the watch list for potential Ebola virus antibody escape mutations. PLoS ONE, 2019, 14, e0211093.	2.5	25
14	Fast Calculation of Proteinâ€“Protein Binding Free Energies Using Umbrella Sampling with a Coarse-Grained Model. Journal of Chemical Theory and Computation, 2018, 14, 991-997.	5.3	38
15	Predicting peak spectral sensitivities of vertebrate cone visual pigments using atomistic molecular simulations. PLoS Computational Biology, 2018, 14, e1005974.	3.2	15
16	Parallel Mutations Result in a Wide Range of Cooperation and Community Consequences in a Two-Species Bacterial Consortium. PLoS ONE, 2016, 11, e0161837.	2.5	23
17	New Perspectives on Ebola Virus Evolution. PLoS ONE, 2016, 11, e0160410.	2.5	6
18	Initiating a watch list for Ebola virus antibody escape mutations. PeerJ, 2016, 4, e1674.	2.0	36

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19	The cis conformation of proline leads to weaker binding of a p53 peptide to MDM2 compared to trans. Archives of Biochemistry and Biophysics, 2015, 575, 22-29.	3.0	10
20	Using chemical shifts to generate structural ensembles for intrinsically disordered proteins with converged distributions of secondary structure. Intrinsically Disordered Proteins, 2015, 3, e984565.	1.9	10
21	Changing Folding and Binding Stability in a Viral Coat Protein: A Comparison between Substitutions Accessible through Mutation and Those Fixed by Natural Selection. PLoS ONE, 2014, 9, e112988.	2.5	13
22	The effects of nanoscale geometry and spillover on room temperature storage of hydrogen on silica nanosprings. Journal Physics D: Applied Physics, 2013, 46, 505307.	2.8	6
23	Impact of the K24N mutation on the transactivation domain of p53 and its binding to murine double-minute clone 2. Proteins: Structure, Function and Bioinformatics, 2013, 81, 1738-1747.	2.6	20
24	Understanding the structural ensembles of a highly extended disordered protein. Molecular BioSystems, 2012, 8, 308-319.	2.9	37
25	Effect of Gold Nanoparticle Conjugation on Peptide Dynamics and Structure. Entropy, 2012, 14, 630-641.	2.2	24
26	A Novel Mouse Dscam Mutation Inhibits Localization and Shedding of DSCAM. PLoS ONE, 2012, 7, e52652.	2.5	27
27	Effects of the binding of calcium ions on the structure and dynamics of the Î¦X174 virus investigated using molecular dynamics. Journal of Biological Physics, 2012, 38, 397-404.	1.5	0
28	Understanding Bernoulliâ€™s principle through simulations. American Journal of Physics, 2011, 79, 214-216.	0.7	25
29	Computational estimation of rainbow trout estrogen receptor binding affinities for environmental estrogens. Toxicology and Applied Pharmacology, 2011, 250, 322-326.	2.8	18
30	C5â€Functionalized DNA, LNA, and Î±â€•L â€LNA: Positional Control of Polarityâ€Sensitive Fluorophores Leads to Improved SNPâ€Typing. Chemistry - A European Journal, 2011, 17, 3157-3165.	3.3	33
31	First-Step Mutations for Adaptation at Elevated Temperature Increase Capsid Stability in a Virus. PLoS ONE, 2011, 6, e25640.	2.5	24
32	Computational Study of Small Molecule Binding for Both Tethered and Free Conditions. Journal of Physical Chemistry B, 2010, 114, 5431-5434.	2.6	5
33	Computational Study of Evolutionary Selection Pressure on Rainbow Trout Estrogen Receptors. PLoS ONE, 2010, 5, e9392.	2.5	4
34	Reducing the bias and uncertainty of free energy estimates by using regression to fit thermodynamic integration data. Journal of Computational Chemistry, 2009, 30, NA-NA.	3.3	27
35	Absolute FKBP binding affinities obtained via nonequilibrium unbinding simulations. Journal of Chemical Physics, 2009, 130, 164906.	3.0	53
36	A black-box re-weighting analysis can correct flawed simulation data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7982-7987.	7.1	10

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37	Demonstrated Convergence of the Equilibrium Ensemble for a Fast United-Residue Protein Model. Journal of Chemical Theory and Computation, 2007, 3, 1860-1866.	5.3	4
38	Comparison of free energy methods for molecular systems. Journal of Chemical Physics, 2006, 125, 184114.	3.0	129
39	Simple estimation of absolute free energies for biomolecules. Journal of Chemical Physics, 2006, 124, 104105.	3.0	33
40	Peptide Conformational Equilibria Computed via a Single-Stage Shifting Protocol. Journal of Physical Chemistry B, 2005, 109, 9096-9103.	2.6	16
41	Single-ensemble nonequilibrium path-sampling estimates of free energy differences. Journal of Chemical Physics, 2004, 120, 10876-10879.	3.0	99
42	Efficient use of nonequilibrium measurement to estimate free energy differences for molecular systems. Journal of Computational Chemistry, 2004, 25, 1749-1759.	3.3	74
43	Calculated properties of field-induced aggregates in ferrofluids. Physical Review E, 2000, 61, 4107-4110.	2.1	32
44	Second mechanism for transitions in a reaction diffusion system. Physical Review E, 1999, 59, 3376-3381.	2.1	3