Morgan Lawrenz

List of Publications by Year
in descending order

9 papers	685 citations	1040056 9 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	1063 citing authors

#	Article	IF	Citations
1	Cloud-based simulations on Google Exacycle reveal ligand modulation of GPCR activation pathways. Nature Chemistry, 2014, 6, 15-21.	13.6	388
2	Independent-Trajectories Thermodynamic-Integration Free-Energy Changes for Biomolecular Systems: Determinants of H5N1 Avian Influenza Virus Neuraminidase Inhibition by Peramivir. Journal of Chemical Theory and Computation, 2009, 5, 1106-1116.	5.3	87
3	Cloud computing approaches for prediction of ligand binding poses and pathways. Scientific Reports, 2015, 5, 7918.	3.3	54
4	Impact of calcium on N1 influenza neuraminidase dynamics and binding free energy. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2523-2532.	2.6	49
5	A network of molecular switches controls the activation of the two-component response regulator NtrC. Nature Communications, 2015, 6, 7283.	12.8	40
6	Thermodynamic integration to predict host-guest binding affinities. Journal of Computer-Aided Molecular Design, 2012, 26, 569-576.	2.9	22
7	Effects of Biomolecular Flexibility on Alchemical Calculations of Absolute Binding Free Energies. Journal of Chemical Theory and Computation, 2011, 7, 2224-2232.	5.3	18
8	Elucidating Ligand-Modulated Conformational Landscape of GPCRs Using Cloud-Computing Approaches. Methods in Enzymology, 2015, 557, 551-572.	1.0	15
9	Independent-Trajectory Thermodynamic Integration: A Practical Guide to Protein-Drug Binding Free Energy Calculations Using Distributed Computing. Methods in Molecular Biology, 2012, 819, 469-486.	0.9	10