Yandong Huang

List of Publications by Year
in descending order

11	415	1040056 9	1281871 11
papers	citations	h-index	g-index

15	15	15	392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	All-Atom Continuous Constant pH Molecular Dynamics With Particle Mesh Ewald and Titratable Water. Journal of Chemical Theory and Computation, 2016, 12, 5411-5421.	5.3	101
2	Mechanism of pH-dependent activation of the sodium-proton antiporter NhaA. Nature Communications, 2016, 7, 12940.	12.8	90
3	Conformational Activation of a Transmembrane Proton Channel from Constant pH Molecular Dynamics. Journal of Physical Chemistry Letters, 2016, 7, 3961-3966.	4.6	52
4	Generalized Born Based Continuous Constant pH Molecular Dynamics in Amber: Implementation, Benchmarking and Analysis. Journal of Chemical Information and Modeling, 2018, 58, 1372-1383.	5.4	48
5	Predicting Catalytic Proton Donors and Nucleophiles in Enzymes: How Adding Dynamics Helps Elucidate the Structureâ€“Function Relationships. Journal of Physical Chemistry Letters, 2018, 9, 1179-1184.	4.6	35
6	Alternative proton-binding site and long-distance coupling in Escherichia coli sodiumâ€“proton antiporter NhaA. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25517-25522.	7.1	25
7	Protein Secondary Structure Prediction With a Reductive Deep Learning Method. Frontiers in Bioengineering and Biotechnology, 2021, 9, 687426.	4.1	18
8	Understanding the pH-Dependent Reaction Mechanism of a Glycoside Hydrolase Using High-Resolution X-ray and Neutron Crystallography. ACS Catalysis, 2018, 8, 8058-8069.	11.2	15
9	Protein pK_a Prediction with Machine Learning. ACS Omega, 2021, 6, 34823-34831.	3.5	14
10	Continuous Constant pH Molecular Dynamics Simulations of Transmembrane Proteins. Methods in Molecular Biology, 2021, 2302, 275-287.	0.9	11
11	Anti-cross-correlation between the adjacent open and closed durations of Markovian channels. Physical Review E, 2020, 101, 012418.	2.1	2