Xiaolu Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3729362/publications.pdf

Version: 2024-02-01

12	361	1039880 9	1281743 11
papers	citations	h-index	g-index

15	15	15	426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TMEM16 scramblases thin the membrane to enable lipid scrambling. Nature Communications, 2022, 13, 2604.	5.8	22
2	Membrane lipids are both the substrates and a mechanistically responsive environment of TMEM16 scramblase proteins. Journal of Computational Chemistry, 2020, 41, 538-551.	1.5	15
3	Structural Basis of Lipid Scrambling and Ion Conduction by TMEM16 Scramblases. FASEB Journal, 2020, 34, 1-1.	0.2	0
4	Dynamic modulation of the lipid translocation groove generates a conductive ion channel in Ca2+-bound nhTMEM16. Nature Communications, 2019, 10, 4972.	5.8	23
5	Monitoring Water Clusters â€œMeltâ€•Through Vibrational Spectroscopy. Journal of the American Chemical Society, 2017, 139, 7082-7088.	6.6	69
6	Vibrational Signatures of Electronic Properties in Oxidized Water: Unraveling the Anomalous Spectrum of the Water Dimer Cation. Journal of the American Chemical Society, 2016, 138, 11936-11945.	6.6	22
7	Tuning vibrational mode localization with frequency windowing. Journal of Chemical Physics, 2016, 145, 124112.	1.2	47
8	Vibrational Signatures of Conformer-Specific Intramolecular Interactions in Protonated Tryptophan. Journal of Physical Chemistry A, 2016, 120, 5598-5608.	1.1	32
9	Accelerating Ab Initio Path Integral Simulations via Imaginary Multiple-Timestepping. Journal of Chemical Theory and Computation, 2016, 12, 1627-1638.	2.3	12
10	Efficient anharmonic vibrational spectroscopy for large molecules using local-mode coordinates. Journal of Chemical Physics, 2014, 141, 104105.	1.2	102
11	Variational mixed quantum/semiclassical simulation of dihalogen guest and rare-gas solid host dynamics. Journal of Chemical Physics, 2014, 141, 034113.	1.2	9
12	Numerical Tests of a Fixed Vibrational Basis/Gaussian Bath Theory for Small Molecule Dynamics in Low-Temperature Media. Journal of Physical Chemistry A, 2011, 115, 3980-3989.	1.1	8