Christopher E Ing

List of Publications by Year
in descending order

21 papers	1,050 citations	567281 15 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	1648 citing authors

#	Article	IF	Citations
1	The role of dimer asymmetry and protomer dynamics in enzyme catalysis. Science, 2017, 355, .	12.6	155
2	Structures of closed and open states of a voltage-gated sodium channel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3051-E3060.	7.1	139
3	Catalysis of Na ⁺ permeation in the bacterial sodium channel Na _V Ab. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11331-11336.	7.1	113
4	Lysosomal integral membrane protein-2 (LIMP-2/SCARB2) is involved in lysosomal cholesterol export. Nature Communications, 2019, 10, 3521.	12.8	99
5	STIM1 activates CRAC channels through rotation of the pore helix to open a hydrophobic gate. Nature Communications, 2017, 8, 14512.	12.8	87
6	Molecular docking with Gaussian Boson Sampling. Science Advances, 2020, 6, eaax1950.	10.3	85
7	The molecular mechanism of Zinc acquisition by the neisserial outer-membrane transporter ZnuD. Nature Communications, 2015, 6, 7996.	12.8	58
8	Structural basis for gating pore current in periodic paralysis. Nature, 2018, 557, 590-594.	27.8	55
9	Mapping the functional anatomy of Orai1 transmembrane domains for CRAC channel gating. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5193-E5202.	7.1	52
10	Modification and periplasmic translocation of the biofilm exopolysaccharide poly-Î²-1,6- N -acetyl- <scp>d</scp> -glucosamine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11013-11018.	7.1	48
11	Substrate-Based Allosteric Regulation of a Homodimeric Enzyme. Journal of the American Chemical Society, 2019, 141, 11540-11556.	13.7	26
12	Structure and Dynamics of Extracellular Loops in Human Aquaporin-1 from Solid-State NMR and Molecular Dynamics. Journal of Physical Chemistry B, 2016, 120, 9887-9902.	2.6	24
13	Inclusion of trial functions in the Langevin equation path integral ground state method: Application to parahydrogen clusters and their isotopologues. Journal of Chemical Physics, 2014, 140, 234101.	3.0	21
14	The basic residues in the Orai1 channel inner pore promote opening of the outer hydrophobic gate. Journal of General Physiology, 2020, 152, .	1.9	21
15	Langevin Equation Path Integral Ground State. Journal of Physical Chemistry A, 2013, 117, 7461-7467.	2.5	15
16	A sulfur-aromatic gate latch is essential for opening of the Orai1 channel pore. ELife, 2020, 9, .	6.0	13
17	Mechanism of Amyloidogenesis of a Bacterial AAA+ Chaperone. Structure, 2016, 24, 1095-1109.	3.3	12
18	Defluorination Capability of <scp>l</scp>â€2â€Haloacid Dehalogenases in the HADâ€Like Hydrolase Superfamily Correlates with Active Site Compactness. ChemBioChem, 2022, 23, .	2.6	12

#	Article	IF	Citations
19	A path-integral Langevin equation treatment of low-temperature doped helium clusters. Journal of Chemical Physics, 2012, 136, 224309.	3.0	11
20	The evolutionary background and functional consequences of the rs2071307 polymorphism in human tropoelastin. Biopolymers, 2021, 112, e23414.	2.4	4
21	Catalysis and Selectivity of Na+ Permeation in Bacterial Sodium Channel NaVAb. Biophysical Journal, 2014, 106, 131a.	0.5	0