

Christopher E Ing

List of Publications by Year in descending order

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Version: 2024-02-01

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	Defluorination Capability of α -Haloacid Dehalogenases in the HAD-Like Hydrolase Superfamily Correlates with Active Site Compactness. <i>ChemBioChem</i> , 2022, 23, .	2.6	12
2	The evolutionary background and functional consequences of the rs2071307 polymorphism in human tropoelastin. <i>Biopolymers</i> , 2021, 112, e23414.	2.4	4
3	Molecular docking with Gaussian Boson Sampling. <i>Science Advances</i> , 2020, 6, eaax1950.	10.3	85
4	The basic residues in the Orai1 channel inner pore promote opening of the outer hydrophobic gate. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	21
5	A sulfur-aromatic gate latch is essential for opening of the Orai1 channel pore. <i>ELife</i> , 2020, 9, .	6.0	13
6	Lysosomal integral membrane protein-2 (LIMP-2/SCARB2) is involved in lysosomal cholesterol export. <i>Nature Communications</i> , 2019, 10, 3521.	12.8	99
7	Substrate-Based Allosteric Regulation of a Homodimeric Enzyme. <i>Journal of the American Chemical Society</i> , 2019, 141, 11540-11556.	13.7	26
8	Structural basis for gating pore current in periodic paralysis. <i>Nature</i> , 2018, 557, 590-594.	27.8	55
9	Mapping the functional anatomy of Orai1 transmembrane domains for CRAC channel gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5193-E5202.	7.1	52
10	The role of dimer asymmetry and protomer dynamics in enzyme catalysis. <i>Science</i> , 2017, 355, .	12.6	155
11	STIM1 activates CRAC channels through rotation of the pore helix to open a hydrophobic gate. <i>Nature Communications</i> , 2017, 8, 14512.	12.8	87
12	Structures of closed and open states of a voltage-gated sodium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3051-E3060.	7.1	139
13	Structure and Dynamics of Extracellular Loops in Human Aquaporin-1 from Solid-State NMR and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9887-9902.	2.6	24
14	Mechanism of Amyloidogenesis of a Bacterial AAA+ Chaperone. <i>Structure</i> , 2016, 24, 1095-1109.	3.3	12
15	The molecular mechanism of Zinc acquisition by the neisserial outer-membrane transporter ZnuD. <i>Nature Communications</i> , 2015, 6, 7996.	12.8	58
16	Modification and periplasmic translocation of the biofilm exopolysaccharide poly- β -1,6- <i>N</i> -acetyl- α -D-glucosamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11013-11018.	7.1	48
17	Inclusion of trial functions in the Langevin equation path integral ground state method: Application to parahydrogen clusters and their isotopologues. <i>Journal of Chemical Physics</i> , 2014, 140, 234101.	3.0	21
18	Catalysis and Selectivity of Na ⁺ Permeation in Bacterial Sodium Channel NaVA _b . <i>Biophysical Journal</i> , 2014, 106, 131a.	0.5	0

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19	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
20	Langevin Equation Path Integral Ground State. Journal of Physical Chemistry A, 2013, 117, 7461-7467.	2.5	15
21	A path-integral Langevin equation treatment of low-temperature doped helium clusters. Journal of Chemical Physics, 2012, 136, 224309.	3.0	11