

Chen Song

List of Publications by Year in descending order

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27
papers

1,051
citations

759233

12
h-index

642732

23
g-index

37
all docs

37
docs citations

37
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	A non-transmembrane channel formed by Ca ²⁺ -bound calsequestrin-2. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	1
2	Membrane contact probability: An essential and predictive character for the structural and functional studies of membrane proteins. <i>PLoS Computational Biology</i> , 2022, 18, e1009972.	3.2	8
3	A synergetic effect of BARD1 mutations on tumorigenesis. <i>Nature Communications</i> , 2021, 12, 1243.	12.8	15
4	Atomistic Details of Charge/Space Competition in the Ca ²⁺ Selectivity of Ryanodine Receptors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4286-4291.	4.6	10
5	A putative structural mechanism underlying the antithetic effect of homologous RND1 and RhoD GTPases in mammalian plexin regulation. <i>ELife</i> , 2021, 10, .	6.0	4
6	The push-to-open mechanism of the tethered mechanosensitive ion channel NompC. <i>ELife</i> , 2021, 10, .	6.0	25
7	The Impact of Mutation L138F/L210F on the Orai Channel: A Molecular Dynamics Simulation Study. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 755247.	3.5	4
8	Insights into the mechanism of membrane fusion induced by the plant defense element, plant-specific insert. <i>Journal of Biological Chemistry</i> , 2020, 295, 14548-14562.	3.4	5
9	The role of disulfide bonds in a <i>Solanum tuberosum</i> saposin-like protein investigated using molecular dynamics. <i>PLoS ONE</i> , 2020, 15, e0237884.	2.5	4
10	The Ca ²⁺ permeation mechanism of the ryanodine receptor revealed by a multi-site ion model. <i>Nature Communications</i> , 2020, 11, 922.	12.8	33
11	Phosphorylation-dependent conformational changes of arrestin in the rhodopsin-arrestin complex. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9330-9338.	2.8	1
12	Title is missing!. , 2020, 15, e0237884.		0
13	Title is missing!. , 2020, 15, e0237884.		0
14	Title is missing!. , 2020, 15, e0237884.		0
15	Title is missing!. , 2020, 15, e0237884.		0
16	Deep learning for molecular generation. <i>Future Medicinal Chemistry</i> , 2019, 11, 567-597.	2.3	88
17	Lipid Bilayer Composition Influences the Activity of the Antimicrobial Peptide Dermcidin Channel. <i>Biophysical Journal</i> , 2019, 116, 1658-1666.	0.5	20
18	Structure and Dynamics of Cinnamycin-Lipid Complexes: Mechanisms of Selectivity for Phosphatidylethanolamine Lipids. <i>ACS Omega</i> , 2019, 4, 18889-18899.	3.5	14

#	ARTICLE	IF	CITATIONS
19	Switching of the substrate specificity of protein tyrosine phosphatase N12 by cyclin-dependent kinase 2 phosphorylation orchestrating 2 oncogenic pathways. <i>FASEB Journal</i> , 2018, 32, 73-82.	0.5	8
20	pH dependent membrane binding of the <i>Solanum tuberosum</i> plant specific insert: An in silico study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2608-2618.	2.6	4
21	Structure of the mechanosensitive OSCA channels. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 850-858.	8.2	133
22	Voltage Gating of a Biomimetic Nanopore: Electrowetting of a Hydrophobic Barrier. <i>ACS Nano</i> , 2017, 11, 1840-1847.	14.6	59
23	The orientation and stability of the GPCR-Arrestin complex in a lipid bilayer. <i>Scientific Reports</i> , 2017, 7, 16985.	3.3	10
24	Insights into the function of ion channels by computational electrophysiology simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1741-1752.	2.6	60
25	Phospho-selective mechanisms of arrestin conformations and functions revealed by unnatural amino acid incorporation and 19F-NMR. <i>Nature Communications</i> , 2015, 6, 8202.	12.8	156
26	Ion permeation in K ⁺ channels occurs by direct Coulomb knock-on. <i>Science</i> , 2014, 346, 352-355.	12.6	271
27	Crystal structure and functional mechanism of a human antimicrobial membrane channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4586-4591.	7.1	104