

Peng Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,625
citations

623734

14
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Connecting copper and cancer: from transition metal signalling to metalloplasia. <i>Nature Reviews Cancer</i> , 2022, 22, 102-113.	28.4	519
2	Structure of the Human BK Channel Ca ²⁺ -Activation Apparatus at 3.0 Å... Resolution. <i>Science</i> , 2010, 329, 182-186.	12.6	284
3	Cryo-EM and X-ray structures of TRPV4 reveal insight into ion permeation and gating mechanisms. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 252-260.	8.2	179
4	Open structure of the Ca ²⁺ gating ring in the high-conductance Ca ²⁺ -activated K ⁺ channel. <i>Nature</i> , 2012, 481, 94-97.	27.8	129
5	X-ray structures of the high-affinity copper transporter Ctr1. <i>Nature Communications</i> , 2019, 10, 1386.	12.8	102
6	Cryo-EM structures of the ATP release channel pannexin 1. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 373-381.	8.2	85
7	Structural basis of control of inward rectifier Kir2 channel gating by bulk anionic phospholipids. <i>Journal of General Physiology</i> , 2016, 148, 227-237.	1.9	66
8	Gating of human TRPV3 in a lipid bilayer. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 635-644.	8.2	46
9	Structural mechanism for gating of a eukaryotic mechanosensitive channel of small conductance. <i>Nature Communications</i> , 2020, 11, 3690.	12.8	41
10	A genetic variant of the sperm-specific SLO3 K ⁺ channel has altered pH and Ca ²⁺ sensitivities. <i>Journal of Biological Chemistry</i> , 2017, 292, 8978-8987.	3.4	35
11	Atomistic basis of opening and conduction in mammalian inward rectifier potassium (Kir2.2) channels. <i>Journal of General Physiology</i> , 2020, 152, jgp.201912422.	1.9	28
12	Cryo-EM structure of a proton-activated chloride channel TMEM206. <i>Science Advances</i> , 2021, 7, .	10.3	27
13	Structure of the Wilson disease copper transporter ATP7B. <i>Science Advances</i> , 2022, 8, eabl5508.	10.3	26
14	Structural biology of thermoTRPV channels. <i>Cell Calcium</i> , 2019, 84, 102106.	2.4	22
15	Coupling of Ca ²⁺ and voltage activation in BK channels through the $\hat{I}\pm B$ helix/voltage sensor interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14512-14521.	7.1	19
16	Structural basis for usher activation and intramolecular subunit transfer in P pilus biogenesis in <i>Escherichia coli</i> . <i>Nature Microbiology</i> , 2018, 3, 1362-1368.	18.3	17