

Erhu Cao

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

3,874
citations

759055

12
h-index

996849

15
g-index

18
all docs

18
docs citations

18
times ranked

3993
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for inhibition of the Cation-chloride cotransporter NKCC1 by the diuretic drug bumetanide. <i>Nature Communications</i> , 2022, 13, 2747.	5.8	23
2	Structure of the human cation-chloride cotransport KCC1 in an outward-open state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
3	Molecular dysregulation of ciliary polycystin-2 channels caused by variants in the TOP domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10329-10338.	3.3	22
4	Structure of the human cation-chloride cotransporter NKCC1 determined by single-particle electron cryo-microscopy. <i>Nature Communications</i> , 2020, 11, 1016.	5.8	43
5	Structural mechanisms of transient receptor potential ion channels. <i>Journal of General Physiology</i> , 2020, 152, .	0.9	59
6	The heteromeric PC-1/PC-2 polycystin complex is activated by the PC-1 N-terminus. <i>ELife</i> , 2020, 9, .	2.8	45
7	Hydrophobic pore gates regulate ion permeation in polycystic kidney disease 2 and 2L1 channels. <i>Nature Communications</i> , 2018, 9, 2302.	5.8	51
8	TRPV1 structures in nanodiscs reveal mechanisms of ligand and lipid action. <i>Nature</i> , 2016, 534, 347-351.	13.7	702
9	The Structure of the Polycystic Kidney Disease Channel PKD2 in Lipid Nanodiscs. <i>Cell</i> , 2016, 167, 763-773.e11.	13.5	214
10	Single particle electron cryo-microscopy of a mammalian ion channel. <i>Current Opinion in Structural Biology</i> , 2014, 27, 1-7.	2.6	79
11	Structure of the TRPV1 ion channel determined by electron cryo-microscopy. <i>Nature</i> , 2013, 504, 107-112.	13.7	1,451
12	TRPV1 structures in distinct conformations reveal activation mechanisms. <i>Nature</i> , 2013, 504, 113-118.	13.7	895
13	TRPV1 Channels Are Intrinsically Heat Sensitive and Negatively Regulated by Phosphoinositide Lipids. <i>Neuron</i> , 2013, 77, 667-679.	3.8	274