

Jiangtao Guo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,410
citations

686830

13
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of mammalian endolysosomal TRPML1 channel in nanodiscs. <i>Nature</i> , 2017, 550, 415-418.	13.7	244
2	Structure of the voltage-gated two-pore channel TPC1 from <i>Arabidopsis thaliana</i> . <i>Nature</i> , 2016, 531, 196-201.	13.7	216
3	Structures of the calcium-activated, non-selective cation channel TRPM4. <i>Nature</i> , 2017, 552, 205-209.	13.7	158
4	Structural insights into the voltage and phospholipid activation of the mammalian TPC1 channel. <i>Nature</i> , 2018, 556, 130-134.	13.7	153
5	Tuning the ion selectivity of two-pore channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1009-1014.	3.3	106
6	Structural mechanisms of phospholipid activation of the human TPC2 channel. <i>ELife</i> , 2019, 8, .	2.8	103
7	Molecular basis for ligand activation of the human KCNQ2 channel. <i>Cell Research</i> , 2021, 31, 52-61.	5.7	77
8	Cryo-EM structures of the human cation-chloride cotransporter KCC1. <i>Science</i> , 2019, 366, 505-508.	6.0	61
9	The lysosomal potassium channel TMEM175 adopts a novel tetrameric architecture. <i>Nature</i> , 2017, 547, 472-475.	13.7	57
10	Cryo-EM structures of human pannexin 1 channel. <i>Cell Research</i> , 2020, 30, 449-451.	5.7	41
11	Structures and an activation mechanism of human potassium-chloride cotransporters. <i>Science Advances</i> , 2020, 6, .	4.7	37
12	Cooperative transport mechanism of human monocarboxylate transporter 2. <i>Nature Communications</i> , 2020, 11, 2429.	5.8	33
13	Structural basis of ALMT1-mediated aluminum resistance in <i>Arabidopsis</i> . <i>Cell Research</i> , 2022, 32, 89-98.	5.7	27
14	Structures of a mammalian TRPM8 in closed state. <i>Nature Communications</i> , 2022, 13, .	5.8	22
15	Voltage-gating and cytosolic Ca ²⁺ activation mechanisms of <i>Arabidopsis</i> two-pore channel AtTPC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
16	Cryo-EM structures of <i>Dr</i> NKCC1 and hKCC1: a new milestone in the physiology of cation-chloride cotransporters. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C225-C237.	2.1	15
17	Structural and functional basis of the selectivity filter as a gate in human TRPM2 channel. <i>Cell Reports</i> , 2021, 37, 110025.	2.9	14
18	â€C-typeâ€™ closed state and gating mechanisms of K2P channels revealed by conformational changes of the TREK-1 channel. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	1.5	9

#	ARTICLE	IF	CITATIONS
19	Structural basis for the gating modulation of Kv4.3 by auxiliary subunits. <i>Cell Research</i> , 2022, 32, 411-414.	5.7	9
20	Cryo-EM structures of human calcium homeostasis modulator 5. <i>Cell Discovery</i> , 2020, 6, 81.	3.1	8
21	Expression and Purification of the Human Cation-chloride Cotransporter KCC1 from HEK293F Cells for Structural Studies. <i>Bio-protocol</i> , 2021, 11, e3966.	0.2	0