

Xiaoli Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,593
citations

331670

21
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580821

25
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27
all docs

27
docs citations

27
times ranked

5984
citing authors

#	ARTICLE	IF	CITATIONS
1	TPC Proteins Are Phosphoinositide- Activated Sodium-Selective Ion Channels in Endosomes and Lysosomes. <i>Cell</i> , 2012, 151, 372-383.	28.9	456
2	Lipid storage disorders block lysosomal trafficking by inhibiting a TRP channel and lysosomal calcium release. <i>Nature Communications</i> , 2012, 3, 731.	12.8	387
3	MCOLN1 is a ROS sensor in lysosomes that regulates autophagy. <i>Nature Communications</i> , 2016, 7, 12109.	12.8	369
4	A molecular mechanism to regulate lysosome motility for lysosome positioning and tubulation. <i>Nature Cell Biology</i> , 2016, 18, 404-417.	10.3	302
5	A TRP Channel in the Lysosome Regulates Large Particle Phagocytosis via Focal Exocytosis. <i>Developmental Cell</i> , 2013, 26, 511-524.	7.0	244
6	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Ion channels. <i>British Journal of Pharmacology</i> , 2019, 176, S142-S228.	5.4	242
7	Hippo/YAP-mediated rigidity-dependent motor neuron differentiation of human pluripotent stem cells. <i>Nature Materials</i> , 2014, 13, 599-604.	27.5	238
8	A TRP Channel Senses Lysosome Neutralization by Pathogens to Trigger Their Expulsion. <i>Cell</i> , 2015, 161, 1306-1319.	28.9	227
9	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. <i>British Journal of Pharmacology</i> , 2021, 178, S157-S245.	5.4	187
10	Up-regulation of lysosomal TRPML1 channels is essential for lysosomal adaptation to nutrient starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1373-81.	7.1	170
11	Phosphoinositide isoforms determine compartment-specific ion channel activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11384-11389.	7.1	131
12	The intracellular Ca ²⁺ channel MCOLN1 is required for sarcolemma repair to prevent muscular dystrophy. <i>Nature Medicine</i> , 2014, 20, 1187-1192.	30.7	101
13	Lysosome calcium in ROS regulation of autophagy. <i>Autophagy</i> , 2016, 12, 1954-1955.	9.1	90
14	Rapamycin directly activates lysosomal mucolipin TRP channels independent of mTOR. <i>PLoS Biology</i> , 2019, 17, e3000252.	5.6	70
15	Calcium signaling in membrane repair. <i>Seminars in Cell and Developmental Biology</i> , 2015, 45, 24-31.	5.0	69
16	A voltage-dependent K ⁺ channel in the lysosome is required for refilling lysosomal Ca ²⁺ stores. <i>Journal of Cell Biology</i> , 2017, 216, 1715-1730.	5.2	69
17	Sulforaphane Activates a lysosome-dependent transcriptional program to mitigate oxidative stress. <i>Autophagy</i> , 2021, 17, 872-887.	9.1	68
18	Gastric Acid Secretion from Parietal Cells Is Mediated by a Ca ²⁺ Efflux Channel in the Tubulovesicle. <i>Developmental Cell</i> , 2017, 41, 262-273.e6.	7.0	42

#	ARTICLE	IF	CITATIONS
19	Organelar TRP channels. Nature Structural and Molecular Biology, 2018, 25, 1009-1018.	8.2	41
20	Agonist-specific voltage-dependent gating of lysosomal two-pore Na ⁺ channels. ELife, 2019, 8, .	6.0	32
21	Small-molecule activation of lysosomal TRP channels ameliorates Duchenne muscular dystrophy in mouse models. Science Advances, 2020, 6, eaaz2736.	10.3	31
22	Cell type-selective targeted delivery of a recombinant lysosomal enzyme for enzyme therapies. Molecular Therapy, 2021, 29, 3512-3524.	8.2	10
23	Stac protein regulates release of neuropeptides. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29914-29924.	7.1	9
24	Transient Receptor Potential channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	7
25	Transient Receptor Potential channels (TRP) in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	1
26	Transient Receptor Potential channels (TRP) in GtoPdb v.2022.1. IUPHAR/BPS Guide To Pharmacology CITE, 2022, 2022, .	0.2	0