

Lixia Yue

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

5,255
citations

218677

26
h-index

330143

37
g-index

44
all docs

44
docs citations

44
times ranked

6075
citing authors

#	ARTICLE	IF	CITATIONS
1	TRP-PLIK, a Bifunctional Protein with Kinase and Ion Channel Activities. <i>Science</i> , 2001, 291, 1043-1047.	12.6	680
2	The TRPM7 channel is inactivated by PIP2 hydrolysis. <i>Nature Cell Biology</i> , 2002, 4, 329-336.	10.3	483
3	Functional Characterization of Homo- and Heteromeric Channel Kinases TRPM6 and TRPM7. <i>Journal of General Physiology</i> , 2006, 127, 525-537.	1.9	343
4	CaT1 manifests the pore properties of the calcium-release-activated calcium channel. <i>Nature</i> , 2001, 410, 705-709.	27.8	336
5	Molecular determinants of cardiac fibroblast electrical function and therapeutic implications for atrial fibrillation. <i>Cardiovascular Research</i> , 2011, 89, 744-753.	3.8	325
6	TRPM7-Mediated Ca ²⁺ Signals Confer Fibrogenesis in Human Atrial Fibrillation. <i>Circulation Research</i> , 2010, 106, 992-1003.	4.5	298
7	Biodegradable Piezoelectric Force Sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 909-914.	7.1	259
8	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Ion channels. <i>British Journal of Pharmacology</i> , 2019, 176, S142-S228.	5.4	242
9	TRPM7 Regulates Cell Adhesion by Controlling the Calcium-dependent Protease Calpain. <i>Journal of Biological Chemistry</i> , 2006, 281, 11260-11270.	3.4	209
10	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. <i>British Journal of Pharmacology</i> , 2021, 178, S157-S245.	5.4	187
11	Specification of Region-Specific Neurons Including Forebrain Glutamatergic Neurons from Human Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2010, 5, e11853.	2.5	180
12	Potential of TRPM7 Inward Currents by Protons. <i>Journal of General Physiology</i> , 2005, 126, 137-150.	1.9	167
13	Molecular Determinants of Mg ²⁺ and Ca ²⁺ Permeability and pH Sensitivity in TRPM6 and TRPM7. <i>Journal of Biological Chemistry</i> , 2007, 282, 25817-25830.	3.4	162
14	Role of TRP channels in the cardiovascular system. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H157-H182.	3.2	152
15	Intracellular calcium activates TRPM2 and its alternative spliced isoforms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7239-7244.	7.1	150
16	The Cation Selectivity Filter of the Bacterial Sodium Channel, NaChBac. <i>Journal of General Physiology</i> , 2002, 120, 845-853.	1.9	141
17	Biodegradable nanofiber-based piezoelectric transducer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 214-220.	7.1	139
18	Sphingosine and FTY720 are potent inhibitors of the transient receptor potential melastatin 7 (TRPM7) channels. <i>British Journal of Pharmacology</i> , 2013, 168, 1294-1312.	5.4	99

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19	An Isogenic Human ESC Platform for Functional Evaluation of Genome-wide-Association-Study-Identified Diabetes Genes and Drug Discovery. <i>Cell Stem Cell</i> , 2016, 19, 326-340.	11.1	98
20	Modulation of TRPM2 by acidic pH and the underlying mechanisms for pH sensitivity. <i>Journal of General Physiology</i> , 2009, 134, 471-488.	1.9	78
21	Phosphatidylinositol 4,5-bisphosphate (PIP2) controls magnesium gatekeeper TRPM6 activity. <i>Scientific Reports</i> , 2011, 1, 146.	3.3	78
22	TRPM7 Activates m-Calpain by Stress-Dependent Stimulation of p38 MAPK and c-Jun N-Terminal Kinase. <i>Journal of Molecular Biology</i> , 2010, 396, 858-869.	4.2	75
23	Transient Receptor Potential (TRP) Channels and Cardiac Fibrosis. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 270-282.	2.1	74
24	Blockade of TRPM7 Channel Activity and Cell Death by Inhibitors of 5-Lipoxygenase. <i>PLoS ONE</i> , 2010, 5, e11161.	2.5	62
25	Ca ²⁺ Signaling in Cardiac Fibroblasts and Fibrosis-Associated Heart Diseases. <i>Journal of Cardiovascular Development and Disease</i> , 2019, 6, 34.	1.6	44
26	Functional coupling of TRPM2 and extrasynaptic NMDARs exacerbates excitotoxicity in ischemic brain injury. <i>Neuron</i> , 2022, 110, 1944-1958.e8.	8.1	35
27	Identification of key amino acid residues responsible for internal and external pH sensitivity of Orai1/STIM1 channels. <i>Scientific Reports</i> , 2015, 5, 16747.	3.3	29
28	Functional Cardiomyocytes Derived from Isl1 Cardiac Progenitors via Bmp4 Stimulation. <i>PLoS ONE</i> , 2014, 9, e110752.	2.5	21
29	Recapitulating and Correcting Marfan Syndrome in a Cellular Model. <i>International Journal of Biological Sciences</i> , 2017, 13, 588-603.	6.4	19
30	TRPM2 deficiency in mice protects against atherosclerosis by inhibiting TRPM2-CD36 inflammatory axis in macrophages. , 2022, 1, 344-360.		19
31	TRP channels in health and disease at a glance. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	18
32	Daikenchuto (Da-Jian-Zhong-Tang) ameliorates intestinal fibrosis by activating myofibroblast transient receptor potential ankyrin 1 channel. <i>World Journal of Gastroenterology</i> , 2018, 24, 4036-4053.	3.3	18
33	Upregulation of transient receptor potential melastatin 4 (TRPM4) in ventricular fibroblasts from heart failure patients. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 521-531.	2.8	13
34	A Systemic Review of the Integral Role of TRPM2 in Ischemic Stroke: From Upstream Risk Factors to Ultimate Neuronal Death. <i>Cells</i> , 2022, 11, 491.	4.1	9
35	Transient Receptor Potential channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2019, 2019, .	0.2	7
36	Substantial involvement of TRPM7 inhibition in the therapeutic effect of <i>Ophiocordyceps sinensis</i> on pulmonary hypertension. <i>Translational Research</i> , 2021, 233, 127-143.	5.0	3

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37	Phosphatidylinositol 4,5-Bisphosphate (PIP2) Controls Magnesium Gatekeeper TRPM6 Activity. Biophysical Journal, 2012, 102, 24a.	0.5	1
38	Transient Receptor Potential channels (TRP) in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	1
39	Lipid Regulation of Cardiac Ion Channels in Heart Disease. , 2013, , 77-100.		1
40	A special issue on calcium dynamics of the heart: remodeling of ion channels and regulatory pathways. Pflugers Archiv European Journal of Physiology, 2021, 473, 313-316.	2.8	0
41	The role of TRPM7 in fibrosis associated heart diseases. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 3-S23-4.	0.0	0
42	Transient Receptor Potential channels (TRP) in GtoPdb v.2022.1. IUPHAR/BPS Guide To Pharmacology CITE, 2022, 2022, .	0.2	0