

Xiaodong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

573
citations

933447

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h-index

713466

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26
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26
docs citations

26
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved calcium sensor GCaMP-X overcomes the calcium channel perturbations induced by the calmodulin in GCaMP. Nature Communications, 2018, 9, 1504.	12.8	147
2	Enzyme-inhibitor-like tuning of Ca ²⁺ channel connectivity with calmodulin. Nature, 2010, 463, 968-972.	27.8	93
3	Chronic Inhibition of Cardiac Kir2.1 and hERG Potassium Channels by Celastrol with Dual Effects on Both Ion Conductivity and Protein Trafficking. Journal of Biological Chemistry, 2006, 281, 5877-5884.	3.4	74
4	Reciprocal Modulation of Calcium Dynamics at Rod and Cone Photoreceptor Synapses by Nitric Oxide. Journal of Neurophysiology, 2004, 92, 477-483.	1.8	45
5	Cryo-EM structure of the polycystic kidney disease-like channel PKD2L1. Nature Communications, 2018, 9, 1192.	12.8	45
6	A biomimetic taste receptor cell-based biosensor for electrophysiology recording and acidic sensation. Sensors and Actuators B: Chemical, 2009, 139, 576-583.	7.8	30
7	Long non-coding RNAs in the spinal cord injury: Novel spotlight. Journal of Cellular and Molecular Medicine, 2019, 23, 4883-4890.	3.6	20
8	Satellite glia activation in dorsal root ganglion contributes to mechanical allodynia after selective motor fiber injury in adult rats. Biomedicine and Pharmacotherapy, 2020, 127, 110187.	5.6	20
9	Electrical resonance with voltage-gated ion channels: perspectives from biophysical mechanisms and neural electrophysiology. Acta Pharmacologica Sinica, 2016, 37, 67-74.	6.1	16
10	Effects of Tetraethylammonium on K _x Channels and Simulated Light Response in Rod Photoreceptors. Annals of Biomedical Engineering, 2004, 32, 1428-1442.	2.5	13
11	Cooperative and acute inhibition by multiple C-terminal motifs of L-type Ca ²⁺ channels. ELife, 2017, 6, .	6.0	13
12	Linker flexibility of IVS3-S4 loops modulates voltage-dependent activation of L-type Ca ²⁺ channels. Channels, 2017, 11, 34-45.	2.8	12
13	Influx-Operated Ca ²⁺ Entry via PKD2-L1 and PKD1-L3 Channels Facilitates Sensory Responses to Polymodal Transient Stimuli. Cell Reports, 2015, 13, 798-811.	6.4	8
14	Jingshu Keli attenuates cervical spinal nerve ligation-induced allodynia in rats through inhibition of spinal microglia and Stat3 activation. Spine Journal, 2018, 18, 2112-2118.	1.3	8
15	PKD2L1/PKD1L3 channel complex with an alkali-activated mechanism and calcium-dependent inactivation. European Biophysics Journal, 2015, 44, 483-492.	2.2	6
16	Origins of Beta Amyloid Differ Between Vascular Amyloid Deposition and Parenchymal Amyloid Plaques in the Spinal Cord of a Mouse Model of Alzheimer's Disease. Molecular Neurobiology, 2020, 57, 278-289.	4.0	6
17	Cytosolic peptides encoding CaV1 C-termini downregulate the calcium channel activity-neuritogenesis coupling. Communications Biology, 2022, 5, 484.	4.4	6
18	Modulation of Rod Photoreceptor Potassium K _x Current by Divalent Cations. Annals of Biomedical Engineering, 2002, 30, 1196-1203.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Modeling and simulation of ion channels and action potentials in taste receptor cells. Science in China Series C: Life Sciences, 2009, 52, 1036-1047.	1.3	3
20	Established Beta Amyloid Pathology Is Unaffected by TREM2 Elevation in Reactive Microglia in an Alzheimer's Disease Mouse Model. Molecules, 2021, 26, 2685.	3.8	2
21	Convergent Modulations by Carboxyl-Termini across L-Type Calcium Channel Subtypes. Biophysical Journal, 2015, 108, 580a.	0.5	1
22	Tomographic imaging of ratiometric fluorescence resonance energy transfer in scattering media. Applied Optics, 2012, 51, 5044.	1.8	0
23	Cytokine Changes in the Aqueous Humor in Rubella-Related Fuchs Heterochromic Iridocyclitis. Disease Markers, 2022, 2022, 1-6.	1.3	0