

# Xiao-dong Zhang

## List of Publications by Year in descending order

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31  
papers

714  
citations

567281

15  
h-index

552781

26  
g-index

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all docs

31  
docs citations

31  
times ranked

1073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interferon Regulatory Factor 1 Is Required for Cardiac Remodeling in Response to Pressure Overload. Hypertension, 2014, 64, 77-86.	2.7	75
2	Critical roles of a small conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel (SK3) in the repolarization process of atrial myocytes. Cardiovascular Research, 2014, 101, 317-325.	3.8	73
3	Small-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channels and cardiac arrhythmias. Heart Rhythm, 2015, 12, 1845-1851.	0.7	62
4	ATP Inhibition of CLC-1 Is Controlled by Oxidation and Reduction. Journal of General Physiology, 2008, 132, 421-428.	1.9	48
5	Regulation of Gene Transcription by Voltage-gated L-type Calcium Channel, Cav1.3. Journal of Biological Chemistry, 2015, 290, 4663-4676.	3.4	44
6	Molecular Mechanisms and New Treatment Paradigm for Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	4.8	39
7	Novel Role for Caspase-Activated DNase in the Regulation of Pathological Cardiac Hypertrophy. Hypertension, 2015, 65, 871-881.	2.7	30
8	Coupling of SK channels, L-type Ca <sup>2+</sup> channels, and ryanodine receptors in cardiomyocytes. Scientific Reports, 2018, 8, 4670.	3.3	30
9	Cooperativity of K <sup>v</sup> 7.4 channels confers ultrafast electromechanical sensitivity and emergent properties in cochlear outer hair cells. Science Advances, 2020, 6, eaba1104.	10.3	26
10	Roles of K149, G352, and H401 in the Channel Functions of CLC-0: Testing the Predictions from Theoretical Calculations. Journal of General Physiology, 2006, 127, 435-447.	1.9	23
11	Cardiac small-conductance calcium-activated potassium channels in health and disease. Pflugers Archiv European Journal of Physiology, 2021, 473, 477-489.	2.8	21
12	Genetic, Cellular, and Functional Evidence for Ca <sup>2+</sup> Inflow through Ca <sub>v</sub> 1.2 and Ca <sub>v</sub> 1.3 Channels in Murine Spiral Ganglion Neurons. Journal of Neuroscience, 2014, 34, 7383-7393.	3.6	19
13	NODAL inhibition promotes differentiation of pacemaker-like cardiomyocytes from human induced pluripotent stem cells. Stem Cell Research, 2020, 49, 102043.	0.7	19
14	Contribution of the cyclic nucleotide gated channel subunit, CNG-3, to olfactory plasticity in Caenorhabditis elegans. Scientific Reports, 2017, 7, 169.	3.3	18
15	Distinct subcellular mechanisms for the enhancement of the surface membrane expression of SK2 channel by its interacting proteins, ð-actinin2 and filamin A. Journal of Physiology, 2017, 595, 2271-2284.	2.9	18
16	Highly efficient transfection of human induced pluripotent stem cells using magnetic nanoparticles. International Journal of Nanomedicine, 2018, Volume 13, 6073-6078.	6.7	18
17	Mechanisms of Calmodulin Regulation of Different Isoforms of Kv7.4 K <sup>+</sup> Channels. Journal of Biological Chemistry, 2016, 291, 2499-2509.	3.4	17
18	Action Potential Shortening and Impairment of Cardiac Function by Ablation of <i>Slc26a6</i> . Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	17

#	ARTICLE	IF	CITATIONS
19	Prestin amplifies cardiac motor functions. <i>Cell Reports</i> , 2021, 35, 109097.	6.4	17
20	Feedback Mechanisms for Cardiac-Specific MicroRNAs and cAMP Signaling in Electrical Remodeling. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 942-950.	4.8	16
21	Slc26a6 functions as an electrogenic Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchanger in cardiac myocytes. <i>Cardiovascular Research</i> , 2013, 100, 383-391.	3.8	15
22	Blocking Pore-open Mutants of CLC-0 by Amphiphilic Blockers. <i>Journal of General Physiology</i> , 2009, 133, 43-58.	1.9	14
23	Amphiphilic Blockers Punch through a Mutant CLC-0 Pore. <i>Journal of General Physiology</i> , 2009, 133, 59-68.	1.9	12
24	Suppression of inflammation and fibrosis using soluble epoxide hydrolase inhibitors enhances cardiac stem cell-based therapy. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1570-1584.	3.3	12
25	The local translation of KNa in dendritic projections of auditory neurons and the roles of KNa in the transition from hidden to overt hearing loss. <i>Aging</i> , 2019, 11, 11541-11564.	3.1	9
26	Different arrhythmia-associated calmodulin mutations have distinct effects on cardiac SK channel regulation. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	7
27	Disruption of protein quality control of the human ether-Å-go-go related gene K <sup>+</sup> channel results in profound long QT syndrome. <i>Heart Rhythm</i> , 2022, 19, 281-292.	0.7	7
28	Beat-to-beat dynamic regulation of intracellular pH in cardiomyocytes. <i>IScience</i> , 2022, 25, 103624.	4.1	4
29	Transgene Delivery to Human Induced Pluripotent Stem Cells Using Nanoparticles. <i>Pharmaceuticals</i> , 2021, 14, 334.	3.8	3
30	Protocol to record and quantify the intracellular pH in contracting cardiomyocytes. <i>STAR Protocols</i> , 2022, 3, 101301.	1.2	1
31	Protocol to assess two distinct components of the nonlinear capacitance in mouse cardiomyocytes. <i>STAR Protocols</i> , 2021, 2, 100891.	1.2	0