Shi-Qiang Wang

List of Publications by Year
in descending order

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40 papers	2,069 citations	471509 17 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	2291 citing authors

#	Article	IF	Citations
1	A non-transmembrane channel formed by Ca2+-bound calsequestrin-2. Journal of General Physiology, 2022, 154, .	1.9	1
2	Mutations and clinical significance of calcium voltage-gated channel subunit alpha 1E (CACNA1E) in non-small cell lung cancer. Cell Calcium, 2022, 102, 102527.	2.4	5
3	Novel CaMKII-Î´ Inhibitor Hesperadin Exerts Dual Functions to Ameliorate Cardiac Ischemia/Reperfusion Injury and Inhibit Tumor Growth. Circulation, 2022, 145, 1154-1168.	1.6	30
4	Novel roles of an intragenic G-quadruplex in controlling microRNA expression and cardiac function. Nucleic Acids Research, 2021, 49, 2522-2536.	14.5	14
5	Transcriptional regulation of intermolecular Ca ²⁺ signaling in hibernating ground squirrel cardiomyocytes: The myocardinâ€“junctophilin axis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
6	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. Developmental Cell, 2021, 56, 2592-2606.e7.	7.0	18
7	Imaging Sarcoplasmic Reticulum Ca ²⁺ Signaling in Intact Cardiac Myocytes. Circulation, 2020, 142, 1503-1505.	1.6	5
8	Nanobar Array Assay Revealed Complementary Roles of BIN1 Splice Isoforms in Cardiac T-Tubule Morphogenesis. Nano Letters, 2020, 20, 6387-6395.	9.1	11
9	Compartmentalized Î²1-adrenergic signalling synchronizes excitationâ€“contraction coupling without modulating individual Ca2+ sparks in healthy and hypertrophied cardiomyocytes. Cardiovascular Research, 2020, 116, 2069-2080.	3.8	5
10	Single-cell analysis of murine fibroblasts identifies neonatal to adult switching that regulates cardiomyocyte maturation. Nature Communications, 2020, 11, 2585.	12.8	71
11	Abnormal expression of miR-331 leads to impaired heart function. Science Bulletin, 2019, 64, 1011-1017.	9.0	4
12	Î² ₂ -Adrenergic Stimulation Compartmentalizes Î² ₁ Signaling Into Nanoscale Local Domains by Targeting the C-Terminus of Î² ₁ -Adrenoceptors. Circulation Research, 2019, 124, 1350-1359.	4.5	18
13	Eliminating contraction during culture maintains global and local Ca2+ dynamics in cultured rabbit pacemaker cells. Cell Calcium, 2019, 78, 35-47.	2.4	6
14	Pathogenic mechanism of a catecholaminergic polymorphic ventricular tachycardia causing-mutation in cardiac calcium release channel RyR2. Journal of Molecular and Cellular Cardiology, 2018, 117, 26-35.	1.9	21
15	Excitation-Contraction Coupling Time is More Sensitive in Evaluating Cardiac Systolic Function. Chinese Medical Journal, 2018, 131, 1834-1839.	2.3	2
16	Sensitized signalling between L-type Ca²⁺channels and ryanodine receptors in the absence or inhibition of FKBP12.6 in cardiomyocytes. Cardiovascular Research, 2017, 113, cvw247.	3.8	13
17	Role of FK506-binding protein in Ca 2+ spark regulation. Science Bulletin, 2017, 62, 1295-1303.	9.0	3
18	Functional Role of Calstabin2 in Age-related Cardiac Alterations. Scientific Reports, 2015, 4, 7425.	3.3	61

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19	Fluorescent tag is not a reliable marker for small RNA transfection in the presence of serum. Journal of Biosciences, 2013, 38, 471-478.	1.1	3
20	Ultrastructural uncoupling between T-tubules and sarcoplasmic reticulum in human heart failure. Cardiovascular Research, 2013, 98, 269-276.	3.8	86
21	Ultrastructural remodelling of Ca2+ signalling apparatus in failing heart cells. Cardiovascular Research, 2012, 95, 430-438.	3.8	65
22	Mir-24 Regulates Junctophilin-2 Expression in Cardiomyocytes. Circulation Research, 2012, 111, 837-841.	4.5	87
23	Ca2+ Cycling in Heart Cells from Ground Squirrels: Adaptive Strategies for Intracellular Ca2+ Homeostasis. PLoS ONE, 2011, 6, e24787.	2.5	24
24	Ca2+: a versatile master key for intracellular signaling cascades. Science China Life Sciences, 2011, 54, 683-685.	4.9	5
25	The formation of Ca2+ gradients at the cleavage furrows during cytokinesis of Zebrafish embryos. Frontiers in Biology, 2010, 5, 369-377.	0.7	2
26	Â-Adrenergic signaling accelerates and synchronizes cardiac ryanodine receptor response to a single L-type Ca2+ channel. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18028-18033.	7.1	58
27	10.1063/1.3207814.1. , 2009, , .		0
28	Intermolecular Failure of L-type Ca2+ Channel and Ryanodine Receptor Signaling in Hypertrophy. PLoS Biology, 2007, 5, e21.	5.6	92
29	Dark rearing alters the short-term synaptic plasticity in visual cortex. Neuroscience Letters, 2007, 422, 49-53.	2.1	13
30	Interleukin-1Î² regulation of N-type Ca2+ channels in cortical neurons. Neuroscience Letters, 2006, 403, 181-185.	2.1	23
31	Interleukin-1Î² downregulates the L-type Ca2+ channel activity by depressing the expression of channel protein in cortical neurons. Journal of Cellular Physiology, 2006, 206, 799-806.	4.1	13
32	Temperature Dependence and Thermodynamic Properties of Ca2+ Sparks in Rat Cardiomyocytes. Biophysical Journal, 2005, 89, 2533-2541.	0.5	50
33	Imaging Microdomain Ca 2+ in Muscle Cells. Circulation Research, 2004, 94, 1011-1022.	4.5	80
34	Linkage of Î²1-adrenergic stimulation to apoptotic heart cell death through protein kinase Aâ€“independent activation of Ca2+/calmodulin kinase II. Journal of Clinical Investigation, 2003, 111, 617-625.	8.2	336
35	Thermodynamically Irreversible Gating of Ryanodine Receptors in Situ Revealed by Stereotyped Duration of Release in Ca2+ Sparks. Biophysical Journal, 2002, 83, 242-251.	0.5	43
36	Ca2+ signalling between single L-type Ca2+ channels and ryanodine receptors in heart cells. Nature, 2001, 410, 592-596.	27.8	385

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37	Î²-Adrenergic Stimulation Synchronizes Intracellular Ca ²⁺ Release During Excitation-Contraction Coupling in Cardiac Myocytes. Circulation Research, 2001, 88, 794-801.	4.5	144
38	Culture and adenoviral infection of adult mouse cardiac myocytes: methods for cellular genetic physiology. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H429-H436.	3.2	243
39	MEDICAL SIGNIFICANCE OF CARDIOVASCULAR FUNCTION IN HIBERNATING MAMMALS. Clinical and Experimental Pharmacology and Physiology, 1999, 26, 837-839.	1.9	10
40	Temperature dependence of the myocardial excitability of ground squirrel and rat. Journal of Thermal Biology, 1997, 22, 195-199.	2.5	13