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	Ca2+ signalling between single L-type Ca2+ channels and ryanodine receptors in heart cells. Nature, 2001, 410, 592-596.	27.8	385
2	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
3	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
4	Î²-Adrenergic Stimulation Synchronizes Intracellular Ca ²⁺ Release During Excitation-Contraction Coupling in Cardiac Myocytes. Circulation Research, 2001, 88, 794-801.	4.5	144
5	Intermolecular Failure of L-type Ca2+ Channel and Ryanodine Receptor Signaling in Hypertrophy. PLoS Biology, 2007, 5, e21.	5.6	92
6	Mir-24 Regulates Junctophilin-2 Expression in Cardiomyocytes. Circulation Research, 2012, 111, 837-841.	4.5	87
7	Ultrastructural uncoupling between T-tubules and sarcoplasmic reticulum in human heart failure. Cardiovascular Research, 2013, 98, 269-276.	3.8	86
8	Imaging Microdomain Ca 2+ in Muscle Cells. Circulation Research, 2004, 94, 1011-1022.	4.5	80
9	Single-cell analysis of murine fibroblasts identifies neonatal to adult switching that regulates cardiomyocyte maturation. Nature Communications, 2020, 11, 2585.	12.8	71
10	Ultrastructural remodelling of Ca2+ signalling apparatus in failing heart cells. Cardiovascular Research, 2012, 95, 430-438.	3.8	65
11	Functional Role of Calstabin2 in Age-related Cardiac Alterations. Scientific Reports, 2015, 4, 7425.	3.3	61
12	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
13	Temperature Dependence and Thermodynamic Properties of Ca2+ Sparks in Rat Cardiomyocytes. Biophysical Journal, 2005, 89, 2533-2541.	0.5	50
14	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
15	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
16	Ca2+ Cycling in Heart Cells from Ground Squirrels: Adaptive Strategies for Intracellular Ca2+ Homeostasis. PLoS ONE, 2011, 6, e24787.	2.5	24
17	Interleukin-1Î² regulation of N-type Ca2+ channels in cortical neurons. Neuroscience Letters, 2006, 403, 181-185.	2.1	23
18	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

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19	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
20	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. Developmental Cell, 2021, 56, 2592-2606.e7.	7.0	18
21	Novel roles of an intragenic G-quadruplex in controlling microRNA expression and cardiac function. Nucleic Acids Research, 2021, 49, 2522-2536.	14.5	14
22	Temperature dependence of the myocardial excitability of ground squirrel and rat. Journal of Thermal Biology, 1997, 22, 195-199.	2.5	13
23	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
24	Dark rearing alters the short-term synaptic plasticity in visual cortex. Neuroscience Letters, 2007, 422, 49-53.	2.1	13
25	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
26	Nanobar Array Assay Revealed Complementary Roles of BIN1 Splice Isoforms in Cardiac T-Tubule Morphogenesis. Nano Letters, 2020, 20, 6387-6395.	9.1	11
27	MEDICAL SIGNIFICANCE OF CARDIOVASCULAR FUNCTION IN HIBERNATING MAMMALS. Clinical and Experimental Pharmacology and Physiology, 1999, 26, 837-839.	1.9	10
28	Eliminating contraction during culture maintains global and local Ca2+ dynamics in cultured rabbit pacemaker cells. Cell Calcium, 2019, 78, 35-47.	2.4	6
29	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
30	Ca2+: a versatile master key for intracellular signaling cascades. Science China Life Sciences, 2011, 54, 683-685.	4.9	5
31	Imaging Sarcoplasmic Reticulum Ca ²⁺ Signaling in Intact Cardiac Myocytes. Circulation, 2020, 142, 1503-1505.	1.6	5
32	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
33	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
34	Abnormal expression of miR-331 leads to impaired heart function. Science Bulletin, 2019, 64, 1011-1017.	9.0	4
35	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
36	Role of FK506-binding protein in Ca 2+ spark regulation. Science Bulletin, 2017, 62, 1295-1303.	9.0	3

#	Article	IF	Citations
37	The formation of Ca2+ gradients at the cleavage furrows during cytokinesis of Zebrafish embryos. Frontiers in Biology, 2010, 5, 369-377.	0.7	2
38	Excitation-Contraction Coupling Time is More Sensitive in Evaluating Cardiac Systolic Function. Chinese Medical Journal, 2018, 131, 1834-1839.	2.3	2
39	A non-transmembrane channel formed by Ca2+-bound calsequestrin-2. Journal of General Physiology, 2022, 154, .	1.9	1
40	10.1063/1.3207814.1. , 2009, , .		0