

Junhui Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,640
citations

623734

14
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

3023
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. <i>Nature Cell Biology</i> , 2013, 15, 1464-1472.	10.3	571
2	The Ins and Outs of Mitochondrial Calcium. <i>Circulation Research</i> , 2015, 116, 1810-1819.	4.5	214
3	Characterization of the cardiac succinylome and its role in ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 88, 73-81.	1.9	132
4	Mitochondrial Protein PGAM5 Regulates Mitophagic Protection against Cell Necroptosis. <i>PLoS ONE</i> , 2016, 11, e0147792.	2.5	102
5	Signaling by S-nitrosylation in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 73, 18-25.	1.9	79
6	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. <i>Cardiovascular Research</i> , 2015, 106, 227-236.	3.8	74
7	Non-nuclear estrogen receptor alpha activation in endothelium reduces cardiac ischemia-reperfusion injury in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 107, 41-51.	1.9	63
8	Disruption of Caveolae Blocks Ischemic Preconditioning-Mediated S-Nitrosylation of Mitochondrial Proteins. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 45-56.	5.4	61
9	Essential role of nitric oxide in acute ischemic preconditioning: S-Nitros(yl)ation versus sGC/cGMP/PKG signaling?. <i>Free Radical Biology and Medicine</i> , 2013, 54, 105-112.	2.9	59
10	Multiview confocal super-resolution microscopy. <i>Nature</i> , 2021, 600, 279-284.	27.8	55
11	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. <i>Journal of Biological Chemistry</i> , 2016, 291, 23343-23362.	3.4	49
12	Additive cardioprotection by pharmacological postconditioning with hydrogen sulfide and nitric oxide donors in mouse heart: S-sulfhydration vs. S-nitrosylation. <i>Cardiovascular Research</i> , 2016, 110, 96-106.	3.8	49
13	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. <i>JCI Insight</i> , 2020, 5, .	5.0	44
14	Monitoring mitochondrial calcium and metabolism in the beating MCU-KO heart. <i>Cell Reports</i> , 2021, 37, 109846.	6.4	20
15	Human Relaxin-2 Fusion Protein Treatment Prevents and Reverses Isoproterenol-Induced Hypertrophy and Fibrosis in Mouse Heart. <i>Journal of the American Heart Association</i> , 2019, 8, e013465.	3.7	14
16	Paradoxical arteriole constriction compromises cytosolic and mitochondrial oxygen delivery in the isolated saline-perfused heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1791-H1804.	3.2	13
17	Molecular Signature of Nitroso-Redox Balance in Idiopathic Dilated Cardiomyopathies. <i>Journal of the American Heart Association</i> , 2015, 4, e002251.	3.7	12
18	Perfused murine heart optical transmission spectroscopy using optical catheter and integrating sphere: Effects of ischemia/reperfusion. <i>Analytical Biochemistry</i> , 2019, 586, 113443.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Cardioprotective Role of Caveolae in Ischemia-Reperfusion Injury. Translational Medicine (Sunnyvale, Tj ETQq1 1 0.784314 rgBT /Overdo	0.4	7
20	A knock-in mutation at cysteine 144 of TRIM72 is cardioprotective and reduces myocardial TRIM72 release. Journal of Molecular and Cellular Cardiology, 2019, 136, 95-101.	1.9	5
21	Cardiac specific knock-down of peroxisome proliferator activated receptor β prevents fasting-induced cardiac lipid accumulation and reduces perilipin 2. PLoS ONE, 2022, 17, e0265007.	2.5	5
22	Ogfd1 deletion increases cardiac beta-alanine levels and protects mice against ischaemiaâ€“ reperfusion injury. Cardiovascular Research, 2022, 118, 2847-2858.	3.8	3
23	Overexpression of myristoylated methionine sulfoxide reductase A in the mouse protects the heart against ischemiaâ€“reperfusion injury. FASEB Journal, 2011, 25, 913.10.	0.5	0