Junhui Sun

List of Publications by Year
in descending order

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		623574	677027
23	1,640	14	22
papers	citations	h-index	g-index

23	23	23	3023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. Nature Cell Biology, 2013, 15, 1464-1472.	4.6	571
2	The Ins and Outs of Mitochondrial Calcium. Circulation Research, 2015, 116, 1810-1819.	2.0	214
3	Characterization of the cardiac succinylome and its role in ischemiaâ€“reperfusion injury. Journal of Molecular and Cellular Cardiology, 2015, 88, 73-81.	0.9	132
4	Mitochondrial Protein PGAM5 Regulates Mitophagic Protection against Cell Necroptosis. PLoS ONE, 2016, 11, e0147792.	1.1	102
5	Signaling by S-nitrosylation in the heart. Journal of Molecular and Cellular Cardiology, 2014, 73, 18-25.	0.9	79
6	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	1.8	74
7	Non-nuclear estrogen receptor alpha activation in endothelium reduces cardiac ischemia-reperfusion injury in mice. Journal of Molecular and Cellular Cardiology, 2017, 107, 41-51.	0.9	63
8	Disruption of Caveolae Blocks Ischemic Preconditioning-Mediated S-Nitrosylation of Mitochondrial Proteins. Antioxidants and Redox Signaling, 2012, 16, 45-56.	2.5	61
9	Essential role of nitric oxide in acute ischemic preconditioning: S-Nitros(yl)ation versus sGC/cGMP/PKG signaling?. Free Radical Biology and Medicine, 2013, 54, 105-112.	1.3	59
10	Multiview confocal super-resolution microscopy. Nature, 2021, 600, 279-284.	13.7	55
11	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. Journal of Biological Chemistry, 2016, 291, 23343-23362.	1.6	49
12	Additive cardioprotection by pharmacological postconditioning with hydrogen sulfide and nitric oxide donors in mouse heart: S-sulfhydration vs. S-nitrosylation. Cardiovascular Research, 2016, 110, 96-106.	1.8	49
13	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	2.3	44
14	Monitoring mitochondrial calcium and metabolism in the beating MCU-KO heart. Cell Reports, 2021, 37, 109846.	2.9	20
15	Human Relaxinâ€2 Fusion Protein Treatment Prevents and Reverses Isoproterenolâ€Induced Hypertrophy and Fibrosis in Mouse Heart. Journal of the American Heart Association, 2019, 8, e013465.	1.6	14
16	Paradoxical arteriole constriction compromises cytosolic and mitochondrial oxygen delivery in the isolated saline-perfused heart. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1791-H1804.	1.5	13
17	Molecular Signature of Nitrosoâ€“Redox Balance in Idiopathic Dilated Cardiomyopathies. Journal of the American Heart Association, 2015, 4, e002251.	1.6	12
18	Perfused murine heart optical transmission spectroscopy using optical catheter and integrating sphere: Effects of ischemia/reperfusion. Analytical Biochemistry, 2019, 586, 113443.	1.1	9

#	Article	IF	Citations
19	Cardioprotective Role of Caveolae in Ischemia-Reperfusion Injury. Translational Medicine (Sunnyvale,) Tj ETQq1 1 0.784314 rgBT /Ove	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.	0.9	5
21	Cardiac specific knock-down of peroxisome proliferator activated receptor Î± prevents fasting-induced cardiac lipid accumulation and reduces perilipin 2. PLoS ONE, 2022, 17, e0265007.	1.1	5
22	Ogfod1 deletion increases cardiac beta-alanine levels and protects mice against ischaemiaâ€“ reperfusion injury. Cardiovascular Research, 2022, 118, 2847-2858.	1.8	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.	0.2	0