Junhui Sun

List of Publications by Year
in descending order

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	Ogfod1 deletion increases cardiac beta-alanine levels and protects mice against ischaemiaâ€“reperfusion injury. Cardiovascular Research, 2022, 118, 2847-2858.	3.8	3
2	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.	2.5	5
3	Monitoring mitochondrial calcium and metabolism in the beating MCU-KO heart. Cell Reports, 2021, 37, 109846.	6.4	20
4	Multiview confocal super-resolution microscopy. Nature, 2021, 600, 279-284.	27.8	55
5	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	5.0	44
6	Perfused murine heart optical transmission spectroscopy using optical catheter and integrating sphere: Effects of ischemia/reperfusion. Analytical Biochemistry, 2019, 586, 113443.	2.4	9
7	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
8	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.	3.7	14
9	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.	3.2	13
10	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.	1.9	63
11	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. Journal of Biological Chemistry, 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. Cardiovascular Research, 2016, 110, 96-106.	3.8	49
13	Mitochondrial Protein PGAM5 Regulates Mitophagic Protection against Cell Necroptosis. PLoS ONE, 2016, 11, e0147792.	2.5	102
14	The Ins and Outs of Mitochondrial Calcium. Circulation Research, 2015, 116, 1810-1819.	4.5	214
15	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	3.8	74
16	Characterization of the cardiac succinylome and its role in ischemiaâ€“reperfusion injury. Journal of Molecular and Cellular Cardiology, 2015, 88, 73-81.	1.9	132
17	Molecular Signature of Nitrosoâ€“Redox Balance in Idiopathic Dilated Cardiomyopathies. Journal of the American Heart Association, 2015, 4, e002251.	3.7	12
18	Signaling by S-nitrosylation in the heart. Journal of Molecular and Cellular Cardiology, 2014, 73, 18-25.	1.9	79

#	Article	IF	Citations
19	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. Nature Cell Biology, 2013, 15, 1464-1472.	10.3	571
20	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.	2.9	59
21	Cardioprotective Role of Caveolae in Ischemia-Reperfusion Injury. Translational Medicine (Sunnyvale,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	7
22	Disruption of Caveolae Blocks Ischemic Preconditioning-Mediated S-Nitrosylation of Mitochondrial Proteins. Antioxidants and Redox Signaling, 2012, 16, 45-56.	5.4	61
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