

# Huiliang Zhang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

650  
citations

14  
h-index

25  
g-index

27  
ext. papers

887  
ext. citations

7.9  
avg, IF

3.59  
L-index

#	Paper	IF	Citations
23	CaMKII induces permeability transition through Drp1 phosphorylation during chronic $\beta$ -AR stimulation. <i>Nature Communications</i> , <b>2016</b> , 7, 13189	17.4	105
22	Melatonin prevents abnormal mitochondrial dynamics resulting from the neurotoxicity of cadmium by blocking calcium-dependent translocation of Drp1 to the mitochondria. <i>Journal of Pineal Research</i> , <b>2016</b> , 60, 291-302	10.4	88
21	Adrenergic signaling regulates mitochondrial Ca <sup>2+</sup> uptake through Pyk2-dependent tyrosine phosphorylation of the mitochondrial Ca <sup>2+</sup> uniporter. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 863-79 <sup>8.4</sup>	8.4	55
20	Increased Drp1 Acetylation by Lipid Overload Induces Cardiomyocyte Death and Heart Dysfunction. <i>Circulation Research</i> , <b>2020</b> , 126, 456-470	15.7	54
19	A novel fission-independent role of dynamin-related protein 1 in cardiac mitochondrial respiration. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 160-170	9.9	52
18	ROS regulation of microdomain Ca(2+) signalling at the dyads. <i>Cardiovascular Research</i> , <b>2013</b> , 98, 248-58	9.9	48
17	Rhesus macaques develop metabolic syndrome with reversible vascular dysfunction responsive to pioglitazone. <i>Circulation</i> , <b>2011</b> , 124, 77-86	16.7	37
16	Mitochondrial protein interaction landscape of SS-31. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 15363-15373	11.5	36
15	Mitochondrial flash as a novel biomarker of mitochondrial respiration in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H1166-77	5.2	30
14	Late-life restoration of mitochondrial function reverses cardiac dysfunction in old mice. <i>ELife</i> , <b>2020</b> , 9,	8.9	22
13	Heart specific knockout of Ndufs4 ameliorates ischemia reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 123, 38-45	5.8	21
12	Differential mitochondrial calcium responses in different cell types detected with a mitochondrial calcium fluorescent indicator, mito-GCaMP2. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2011</b> , 43, 822-30	2.8	17
11	Catecholaminergic-induced arrhythmias in failing cardiomyocytes associated with human HRCS96A variant overexpression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1588-95 <sup>5.2</sup>	5.2	16
10	Adrenergic-stimulated L-type channel Ca <sup>2+</sup> entry mediates hypoxic Ca <sup>2+</sup> overload in intact heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 65, 51-8	5.8	14
9	Reduction of elevated proton leak rejuvenates mitochondria in the aged cardiomyocyte. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
8	SS-31 and NMN: Two paths to improve metabolism and function in aged hearts. <i>Aging Cell</i> , <b>2020</b> , 19, e13213	9.9	11
7	Mitochondrial flashes: From indicator characterization to in vivo imaging. <i>Methods</i> , <b>2016</b> , 109, 12-20	4.6	8

6	Real-time imaging of intracellular hydrogen peroxide in pancreatic islets. <i>Biochemical Journal</i> , <b>2016</b> , 473, 4443-4456	3.8	8
5	A screen for protective drugs against delayed hypoxic injury. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176061	3.7	7
4	Elevated MCU Expression by CaMKIIB Limits Pathological Cardiac Remodeling.. <i>Circulation</i> , <b>2022</b> ,	16.7	4
3	Fission Promotes Respiration and ROS Production in Individual Mitochondria. <i>Biophysical Journal</i> , <b>2014</b> , 106, 28a	2.9	2
2	Late-life restoration of mitochondrial function reverses cardiac dysfunction in old mice		2
1	Reduction of Elevated Proton Leak Rejuvenates Mitochondria in the Aged Cardiomyocyte		2