Peiyong Zhai

List of Publications by Year
in descending order

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48 papers	5,059 citations	147786 31 h-index	243610 44 g-index
48 all docs	48 docs citations	48 times ranked	8817 citing authors

#	Article	IF	Citations
1	Endogenous Drp1 Mediates Mitochondrial Autophagy and Protects the Heart Against Energy Stress. Circulation Research, 2015, 116, 264-278.	4.5	449
2	Mst1 inhibits autophagy by promoting the interaction between Beclin1 and Bcl-2. Nature Medicine, 2013, 19, 1478-1488.	30.7	426
3	Drp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overloadâ€“Induced Mitochondrial Dysfunction and Heart Failure. Circulation, 2016, 133, 1249-1263.	1.6	348
4	A Redox-Dependent Pathway for Regulating Class II HDACs and Cardiac Hypertrophy. Cell, 2008, 133, 978-993.	28.9	316
5	Mitophagy Is Essential for Maintaining Cardiac Function During High Fat Diet-Induced Diabetic Cardiomyopathy. Circulation Research, 2019, 124, 1360-1371.	4.5	306
6	Rheb is a Critical Regulator of Autophagy During Myocardial Ischemia. Circulation, 2012, 125, 1134-1146.	1.6	257
7	Nicotinamide Mononucleotide, an Intermediate of NAD+ Synthesis, Protects the Heart from Ischemia and Reperfusion. PLoS ONE, 2014, 9, e98972.	2.5	230
8	A functional interaction between Hippo-YAP signalling and FoxO1 mediates the oxidative stress response. Nature Communications, 2014, 5, 3315.	12.8	209
9	Trehalose-Induced Activation of Autophagy Improves Cardiac Remodeling After Myocardial Infarction. Journal of the American College of Cardiology, 2018, 71, 1999-2010.	2.8	195
10	A Redox-Dependent Mechanism for Regulation of AMPK Activation by Thioredoxin1 during Energy Starvation. Cell Metabolism, 2014, 19, 232-245.	16.2	194
11	Differential Roles of GSK-3Î² During Myocardial Ischemia and Ischemia/Reperfusion. Circulation Research, 2011, 109, 502-511.	4.5	185
12	An alternative mitophagy pathway mediated by Rab9 protects the heart against ischemia. Journal of Clinical Investigation, 2019, 129, 802-819.	8.2	177
13	Cardiac-specific overexpression of AT1 receptor mutant lacking GÂq/GÂi coupling causes hypertrophy and bradycardia in transgenic mice. Journal of Clinical Investigation, 2005, 115, 3045-3056.	8.2	153
14	miR-206 Mediates YAP-Induced Cardiac Hypertrophy and Survival. Circulation Research, 2015, 117, 891-904.	4.5	133
15	Distinct roles of GSK-3Î± and GSK-3Î² phosphorylation in the heart under pressure overload. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20900-20905.	7.1	129
16	Mst1 Promotes Cardiac Myocyte Apoptosis through Phosphorylation and Inhibition of Bcl-xL. Molecular Cell, 2014, 54, 639-650.	9.7	110
17	mTORC2 Regulates Cardiac Response to Stress by Inhibiting MST1. Cell Reports, 2015, 11, 125-136.	6.4	110
18	NF2 Activates Hippo Signaling and Promotes Ischemia/Reperfusion Injury in the Heart. Circulation Research, 2016, 119, 596-606.	4.5	103

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19	An Angiotensin II Type 1 Receptor Mutant Lacking Epidermal Growth Factor Receptor Transactivation Does Not Induce Angiotensin IIâ€“Mediated Cardiac Hypertrophy. Circulation Research, 2006, 99, 528-536.	4.5	96
20	Upregulation of Rubicon promotes autosis during myocardial ischemia/reperfusion injury. Journal of Clinical Investigation, 2020, 130, 2978-2991.	8.2	87
21	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. Circulation Research, 2019, 124, 292-305.	4.5	82
22	Glycogen Synthase Kinase-3Î± Promotes Fatty Acid Uptake and Lipotoxic Cardiomyopathy. Cell Metabolism, 2019, 29, 1119-1134.e12.	16.2	77
23	Blockade of Fibroblast YAP Attenuates Cardiac Fibrosis and Dysfunction Through MRTF-A Inhibition. JACC Basic To Translational Science, 2020, 5, 931-945.	4.1	70
24	Glycogen Synthase Kinase-3Î± Reduces Cardiac Growth and Pressure Overload-induced Cardiac Hypertrophy by Inhibition of Extracellular Signal-regulated Kinases. Journal of Biological Chemistry, 2007, 282, 33181-33191.	3.4	58
25	Activation of Î²2-AMPK Suppresses Ribosome Biogenesis and Protects Against Myocardial Ischemia/Reperfusion Injury. Circulation Research, 2017, 121, 1182-1191.	4.5	49
26	Alternative Mitophagy Protects the Heart Against Obesity-Associated Cardiomyopathy. Circulation Research, 2021, 129, 1105-1121.	4.5	49
27	Muscle-Specific RING Finger 1 Negatively Regulates Pathological Cardiac Hypertrophy Through Downregulation of Calcineurin A. Circulation: Heart Failure, 2014, 7, 479-490.	3.9	44
28	Peroxisome Proliferator Activated Receptor-Î± Association With Silent Information Regulator 1 Suppresses Cardiac Fatty Acid Metabolism in the Failing Heart. Circulation: Heart Failure, 2015, 8, 1123-1132.	3.9	44
29	Mst1-mediated phosphorylation of Bcl-xL is required for myocardial reperfusion injury. JCI Insight, 2016, 1, .	5.0	44
30	YAP mediates compensatory cardiac hypertrophy through aerobic glycolysis in response to pressure overload. Journal of Clinical Investigation, 2022, 132, .	8.2	43
31	Thioredoxin-1 maintains mechanistic target of rapamycin (mTOR) function during oxidative stress in cardiomyocytes. Journal of Biological Chemistry, 2017, 292, 18988-19000.	3.4	41
32	Dietary carbohydrates restriction inhibits the development of cardiac hypertrophy and heart failure. Cardiovascular Research, 2021, 117, 2365-2376.	3.8	33
33	YAP plays a crucial role in the development of cardiomyopathy in lysosomal storage diseases. Journal of Clinical Investigation, 2021, 131, .	8.2	29
34	Nampt Potentiates Antioxidant Defense in Diabetic Cardiomyopathy. Circulation Research, 2021, 129, 114-130.	4.5	28
35	Yes-Associated Protein (YAP) Facilitates Pressure Overloadâ€“Induced Dysfunction in the Diabetic Heart. JACC Basic To Translational Science, 2019, 4, 611-622.	4.1	25
36	Sirt1 carboxyl-domain is an ATP-repressible domain that is transferrable to other proteins. Nature Communications, 2017, 8, 15560.	12.8	24

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37	Ulk1-dependent alternative mitophagy plays a protective role during pressure overload in the heart. Cardiovascular Research, 2022, 118, 2638-2651.	3.8	23
38	Recruitment of RNA Polymerase II to Metabolic Gene Promoters Is Inhibited in the Failing Heart Possibly Through PGC-1Î± (Peroxisome Proliferator-Activated Receptor-Î³ Coactivator-1Î±) Dysregulation. Circulation: Heart Failure, 2019, 12, e005529.	3.9	19
39	Thioredoxin-1 maintains mitochondrial function via mechanistic target of rapamycin signalling in the heart. Cardiovascular Research, 2020, 116, 1742-1755.	3.8	18
40	Tfeb-Mediated Transcriptional Regulation of Autophagy Induces Autosis during Ischemia/Reperfusion in the Heart. Cells, 2022, 11, 258.	4.1	12
41	The tumor suppressor RASSF1A modulates inflammation and injury in the reperfused murine myocardium. Journal of Biological Chemistry, 2019, 294, 13131-13144.	3.4	11
42	Lats2 promotes heart failure by stimulating p53-mediated apoptosis during pressure overload. Scientific Reports, 2021, 11, 23469.	3.3	9
43	H-Ras Isoform Mediates Protection Against Pressure Overloadâ€“Induced Cardiac Dysfunction in Part Through Activation of AKT. Circulation: Heart Failure, 2017, 10, .	3.9	8
44	Response by Shirakabe et al to Letter Regarding Article, â€œDrp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overloadâ€“Induced Mitochondrial Dysfunction and Heart Failureâ€• Circulation, 2016, 134, e75-6.	1.6	4
45	Ser9 phosphorylation of GSK-3Î² promotes aging in the heart through suppression of autophagy. , 2021, 1, .		2
46	Unconventional Signalling Mechanisms Mediated by the Angiotensin II Type 1 Receptor in Cardiovascular Cell Types. High Blood Pressure and Cardiovascular Prevention, 2006, 13, 143-150.	2.2	0
47	NF2 Activates Hippo Signaling and Promotes Ischemia/Reperfusion Injury in Heart. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR2-1.	0.0	0
48	Myeloid YAP Inhibition Improves Cardiac Phenotype During Pressure Overload Stress. FASEB Journal, 2022, 36, .	0.5	0