

Jun Ren

List of Publications by Year in descending order

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570
papers

36,055
citations

4120

87
h-index

6282

158
g-index

603
all docs

603
docs citations

603
times ranked

41862
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Empagliflozin rescues diabetic myocardial microvascular injury via AMPK-mediated inhibition of mitochondrial fission. <i>Redox Biology</i> , 2018, 15, 335-346.	3.9	378
4	DUSP1 alleviates cardiac ischemia/reperfusion injury by suppressing the Mff-required mitochondrial fission and Bnip3-related mitophagy via the JNK pathways. <i>Redox Biology</i> , 2018, 14, 576-587.	3.9	341
5	Pathogenesis of cardiac ischemia reperfusion injury is associated with CK2 \pm -disturbed mitochondrial homeostasis via suppression of FUNDC1-related mitophagy. <i>Cell Death and Differentiation</i> , 2018, 25, 1080-1093.	5.0	317
6	Mitochondrial biogenesis in the metabolic syndrome and cardiovascular disease. <i>Journal of Molecular Medicine</i> , 2010, 88, 993-1001.	1.7	306
7	Aldehyde dehydrogenase 2 (ALDH2) rescues myocardial ischaemia/reperfusion injury: role of autophagy paradox and toxic aldehyde. <i>European Heart Journal</i> , 2011, 32, 1025-1038.	1.0	299
8	Endoplasmic reticulum stress and unfolded protein response in cardiovascular diseases. <i>Nature Reviews Cardiology</i> , 2021, 18, 499-521.	6.1	283
9	Insulin-like Growth Factor I as a Cardiac Hormone: Physiological and Pathophysiological Implications in Heart Disease. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 2049-2061.	0.9	274
10	Ripk3 induces mitochondrial apoptosis via inhibition of FUNDC1 mitophagy in cardiac IR injury. <i>Redox Biology</i> , 2017, 13, 498-507.	3.9	254
11	Targeting autophagy in obesity: from pathophysiology to management. <i>Nature Reviews Endocrinology</i> , 2018, 14, 356-376.	4.3	244
12	Effects of melatonin on fatty liver disease: The role of NR4A1/DNA β -PKcs/p53 pathway, mitochondrial fission, and mitophagy. <i>Journal of Pineal Research</i> , 2018, 64, e12450.	3.4	239
13	Capsaicin induces browning of white adipose tissue and counters obesity by activating TRPV1 channel ϵ -dependent mechanisms. <i>British Journal of Pharmacology</i> , 2016, 173, 2369-2389.	2.7	236
14	High dietary fat induces NADPH oxidase-associated oxidative stress and inflammation in rat cerebral cortex. <i>Experimental Neurology</i> , 2005, 191, 318-325.	2.0	233
15	AT 1 Blockade Prevents Glucose-Induced Cardiac Dysfunction in Ventricular Myocytes. <i>Hypertension</i> , 2003, 42, 206-212.	1.3	221
16	Melatonin suppresses platelet activation and function against cardiac ischemia/reperfusion injury via PPAR β /FUNDC1/mitophagy pathways. <i>Journal of Pineal Research</i> , 2017, 63, e12438.	3.4	204
17	Protective role of melatonin in cardiac ischemia ϵ -reperfusion injury: From pathogenesis to targeted therapy. <i>Journal of Pineal Research</i> , 2018, 64, e12471.	3.4	193
18	Targeting Autophagy in Aging and Aging-Related Cardiovascular Diseases. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 1064-1076.	4.0	191

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19	Transgenic Overexpression of Aldehyde Dehydrogenase-2 Rescues Chronic Alcohol Intake-Induced Myocardial Hypertrophy and Contractile Dysfunction. <i>Circulation</i> , 2009, 119, 1941-1949.	1.6	185
20	Chronic akt activation accentuates aging-induced cardiac hypertrophy and myocardial contractile dysfunction: role of autophagy. <i>Basic Research in Cardiology</i> , 2011, 106, 1173-1191.	2.5	179
21	Leptin Attenuates Cardiac Contraction in Rat Ventricular Myocytes. <i>Hypertension</i> , 2000, 36, 501-505.	1.3	178
22	Metallothionein Prevents Diabetes-Induced Deficits in Cardiomyocytes by Inhibiting Reactive Oxygen Species Production. <i>Diabetes</i> , 2003, 52, 777-783.	0.3	175
23	Melatonin Ameliorates the Progression of Atherosclerosis via Mitophagy Activation and NLRP3 Inflammasome Inhibition. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	175
24	Molecular mechanisms of chromium in alleviating insulin resistance. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 313-319.	1.9	173
25	Oxidative stress and stress signaling: menace of diabetic cardiomyopathy. <i>Acta Pharmacologica Sinica</i> , 2005, 26, 908-917.	2.8	171
26	Endothelin-1 enhances oxidative stress, cell proliferation and reduces apoptosis in human umbilical vein endothelial cells: role of ETB receptor, NADPH oxidase and caveolin-1. <i>British Journal of Pharmacology</i> , 2005, 145, 323-333.	2.7	167
27	Mitophagy and mitochondrial integrity in cardiac ischemia-reperfusion injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2293-2302.	1.8	162
28	Peroxisome Proliferator-Activated Receptor (PPAR) in Metabolic Syndrome and Type 2 Diabetes Mellitus. <i>Current Diabetes Reviews</i> , 2007, 3, 33-39.	0.6	159
29	Impaired Macrophage Migration Inhibitory Factor-AMP-Activated Protein Kinase Activation and Ischemic Recovery in the Senescent Heart. <i>Circulation</i> , 2010, 122, 282-292.	1.6	156
30	Fundc1-dependent mitophagy is obligatory to ischemic preconditioning-conferred renoprotection in ischemic AKI via suppression of Drp1-mediated mitochondrial fission. <i>Redox Biology</i> , 2020, 30, 101415.	3.9	150
31	Obesity cardiomyopathy: evidence, mechanisms, and therapeutic implications. <i>Physiological Reviews</i> , 2021, 101, 1745-1807.	13.1	150
32	Glucagon-Like Peptide-1 Protects Against Cardiac Microvascular Injury in Diabetes via a cAMP/PKA/Rho-Dependent Mechanism. <i>Diabetes</i> , 2013, 62, 1697-1708.	0.3	149
33	Ferritinophagy and ferroptosis in the management of metabolic diseases. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 444-462.	3.1	148
34	Dietary iron deficiency induces ventricular dilation, mitochondrial ultrastructural aberrations and cytochrome c release: involvement of nitric oxide synthase and protein tyrosine nitration. <i>Clinical Science</i> , 2005, 109, 277-286.	1.8	147
35	Role of mitochondrial quality surveillance in myocardial infarction: From bench to bedside. <i>Ageing Research Reviews</i> , 2021, 66, 101250.	5.0	147
36	Bl1 is associated with microvascular protection in cardiac ischemia reperfusion injury via repressing Syk-Nox2-Drp1-mitochondrial fission pathways. <i>Angiogenesis</i> , 2018, 21, 599-615.	3.7	145

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37	Metallothionein prolongs survival and antagonizes senescence-associated cardiomyocyte diastolic dysfunction: role of oxidative stress. <i>FASEB Journal</i> , 2006, 20, 1024-1026.	0.2	143
38	Sex difference in alcoholism: Who is at a greater risk for development of alcoholic complication?. <i>Life Sciences</i> , 2010, 87, 133-138.	2.0	140
39	Adiponectin knockout accentuates high fat diet-induced obesity and cardiac dysfunction: Role of autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1136-1148.	1.8	137
40	Mitophagy, Mitochondrial Dynamics, and Homeostasis in Cardiovascular Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	135
41	Coronary microvascular injury in myocardial infarction: perception and knowledge for mitochondrial quality control. <i>Theranostics</i> , 2021, 11, 6766-6785.	4.6	135
42	ALDH2 in alcoholic heart diseases: Molecular mechanism and clinical implications. , 2011, 132, 86-95.		134
43	Enhanced Stability of Core-Surface Cross-Linked Micelles Fabricated from Amphiphilic Brush Copolymers. <i>Biomacromolecules</i> , 2004, 5, 1736-1744.	2.6	133
44	Curcumin Inhibits Platelet-Derived Growth Factor-Stimulated Vascular Smooth Muscle Cell Function and Injury-Induced Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 85-90.	1.1	128
45	Mitochondria Microdomains in Cardiac Ischemia-Reperfusion Injury: A Fresh Perspective. <i>Frontiers in Physiology</i> , 2018, 9, 755.	1.3	128
46	Akt2 knockout preserves cardiac function in high-fat diet-induced obesity by rescuing cardiac autophagosome maturation. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 61-63.	1.5	126
47	Ripk3 regulates cardiac microvascular reperfusion injury: The role of IP3R-dependent calcium overload, XO-mediated oxidative stress and F-actin/filopodia-based cellular migration. <i>Cellular Signalling</i> , 2018, 45, 12-22.	1.7	125
48	DNA-PKcs promotes alcohol-related liver disease by activating Drp1-related mitochondrial fission and repressing FUNDC1-required mitophagy. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 56.	7.1	125
49	High-fat diet-induced juvenile obesity leads to cardiomyocyte dysfunction and upregulation of Foxo3a transcription factor independent of lipotoxicity and apoptosis. <i>Journal of Hypertension</i> , 2006, 24, 549-561.	0.3	124
50	Metallothionein Prevents High-Fat Diet-Induced Cardiac Contractile Dysfunction. <i>Diabetes</i> , 2007, 56, 2201-2212.	0.3	124
51	Nitric oxide synthase uncoupling: A therapeutic target in cardiovascular diseases. <i>Vascular Pharmacology</i> , 2012, 57, 168-172.	1.0	123
52	Aging induces cardiac diastolic dysfunction, oxidative stress, accumulation of advanced glycation endproducts and protein modification. <i>Aging Cell</i> , 2005, 4, 57-64.	3.0	116
53	Leptin Regulates Cardiomyocyte Contractile Function Through Endothelin-1 Receptor-NADPH Oxidase Pathway. <i>Hypertension</i> , 2006, 47, 222-229.	1.3	115
54	Alcohol and Acetaldehyde in Public Health: From Marvel to Menace. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 1285-1301.	1.2	115

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55	AMP-activated protein kinase deficiency exacerbates aging-induced myocardial contractile dysfunction. <i>Aging Cell</i> , 2010, 9, 592-606.	3.0	114
56	Ethanol and acetaldehyde in alcoholic cardiomyopathy: from bad to ugly en route to oxidative stress. <i>Alcohol</i> , 2004, 32, 175-186.	0.8	112
57	Mitochondrial aldehyde dehydrogenase 2 accentuates aging-induced cardiac remodeling and contractile dysfunction: role of AMPK, Sirt1, and mitochondrial function. <i>Free Radical Biology and Medicine</i> , 2014, 71, 208-220.	1.3	112
58	Bax inhibitor 1 preserves mitochondrial homeostasis in acute kidney injury through promoting mitochondrial retention of PHB2. <i>Theranostics</i> , 2020, 10, 384-397.	4.6	112
59	Impaired SERCA function contributes to cardiomyocyte dysfunction in insulin resistant rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 297-307.	0.9	110
60	Insulin inhibits tumor necrosis factor- α induction in myocardial ischemia/reperfusion: Role of Akt and endothelial nitric oxide synthase phosphorylation*. <i>Critical Care Medicine</i> , 2008, 36, 1551-1558.	0.4	110
61	Overexpression of Aldehyde Dehydrogenase-2 (ALDH2) Transgene Prevents Acetaldehyde-induced Cell Injury in Human Umbilical Vein Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 11244-11252.	1.6	108
62	DNA-PKcs promotes cardiac ischemia reperfusion injury through mitigating BI-1-governed mitochondrial homeostasis. <i>Basic Research in Cardiology</i> , 2020, 115, 11.	2.5	106
63	Abrogated Leptin-Induced Cardiac Contractile Response in Ventricular Myocytes Under Spontaneous Hypertension. <i>Hypertension</i> , 2002, 39, 69-74.	1.3	105
64	Endoplasmic reticulum stress and protein quality control in diabetic cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 209-218.	1.8	105
65	Targeting autophagy in ischemic stroke: From molecular mechanisms to clinical therapeutics. , 2021, 225, 107848.		105
66	Maternal obesity, lipotoxicity and cardiovascular diseases in offspring. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 55, 111-116.	0.9	103
67	Reduced contractile response to insulin and IGF-I in ventricular myocytes from genetically obese Zucker rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1708-H1714.	1.5	100
68	Autophagy as an emerging target in cardiorenal metabolic disease: From pathophysiology to management. , 2018, 191, 1-22.		100
69	Metallothionein alleviates oxidative stress-induced endoplasmic reticulum stress and myocardial dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 228-237.	0.9	99
70	Cardiac overexpression of metallothionein rescues cardiac contractile dysfunction and endoplasmic reticulum stress but not autophagy in sepsis. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 367-378.	0.9	99
71	Apelin administration ameliorates high fat diet-induced cardiac hypertrophy and contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 63, 4-13.	0.9	99
72	Aldehyde dehydrogenase 2 ameliorates doxorubicin-induced myocardial dysfunction through detoxification of 4-HNE and suppression of autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 71, 92-104.	0.9	98

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73	Rutin attenuates doxorubicin-induced cardiotoxicity via regulating autophagy and apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1904-1911.	1.8	97
74	Akt2 ablation prolongs life span and improves myocardial contractile function with adaptive cardiac remodeling: role of Sirt1-mediated autophagy regulation. <i>Aging Cell</i> , 2017, 16, 976-987.	3.0	97
75	Facilitated ethanol metabolism promotes cardiomyocyte contractile dysfunction through autophagy in murine hearts. <i>Autophagy</i> , 2012, 8, 593-608.	4.3	96
76	Obesity Paradox in Aging: From Prevalence to Pathophysiology. <i>Progress in Cardiovascular Diseases</i> , 2018, 61, 182-189.	1.6	96
77	Ginsenosides Rb1 and Re decrease cardiac contraction in adult rat ventricular myocytes: role of nitric oxide. <i>British Journal of Pharmacology</i> , 2001, 134, 1159-1165.	2.7	95
78	Mechanisms of alcoholic heart disease. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2008, 2, 497-506.	1.0	95
79	Epigenetics and obesity cardiomyopathy: From pathophysiology to prevention and management. , 2016, 161, 52-66.		95
80	Cardiac-specific overexpression of insulin-like growth factor 1 attenuates aging-associated cardiac diastolic contractile dysfunction and protein damage. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1398-H1403.	1.5	93
81	Chromium Alleviates Glucose Intolerance, Insulin Resistance, and Hepatic ER Stress in Obese Mice. <i>Obesity</i> , 2008, 16, 1331-1337.	1.5	92
82	Overnutrition and maternal obesity in sheep pregnancy alter the JNK/c-Jun signaling cascades and cardiac function in the fetal heart. <i>FASEB Journal</i> , 2010, 24, 2066-2076.	0.2	92
83	Curcumin suppresses doxorubicin-induced cardiomyocyte pyroptosis via a PI3K/Akt/mTOR-dependent manner. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 752-769.	0.7	92
84	Prevention of aortic dissection and aneurysm via an ALDH2-mediated switch in vascular smooth muscle cell phenotype. <i>European Heart Journal</i> , 2020, 41, 2442-2453.	1.0	92
85	Metallothionein alleviates cardiac dysfunction in streptozotocin-induced diabetes: Role of Ca ²⁺ cycling proteins, NADPH oxidase, poly(ADP-Ribose) polymerase and myosin heavy chain isozyme. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1419-1429.	1.3	91
86	Ca ²⁺ /calmodulin-dependent protein kinase kinase is involved in AMP-activated protein kinase activation by lipoic acid in C2C12 myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1395-C1403.	2.1	91
87	Deficiency in AMP-activated protein kinase exaggerates high fat diet-induced cardiac hypertrophy and contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 712-722.	0.9	90
88	Macrophage Migration Inhibitory Factor Deletion Exacerbates Pressure Overload-Induced Cardiac Hypertrophy Through Mitigating Autophagy. <i>Hypertension</i> , 2014, 63, 490-499.	1.3	90
89	Side-stream smoking reduces intestinal inflammation and increases expression of tight junction proteins. <i>World Journal of Gastroenterology</i> , 2012, 18, 2180.	1.4	90
90	Advanced glycation endproduct induces ROS accumulation, apoptosis, MAP kinase activation and nuclear O-GlcNAcylation in human cardiac myocytes. <i>Life Sciences</i> , 2007, 80, 1051-1056.	2.0	89

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91	Hypertrophic cardiomyopathy in high-fat diet-induced obesity: role of suppression of forkhead transcription factor and atrophy gene transcription. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1206-H1215.	1.5	89
92	Cardiac Health in Women With Metabolic Syndrome: Clinical Aspects and Pathophysiology. <i>Obesity</i> , 2009, 17, 1114-1123.	1.5	89
93	Transcatheter Versus Surgical Closure of Perimembranous Ventricular Septal Defects in Children. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1159-1168.	1.2	89
94	SARS-CoV-2 and cardiovascular complications: From molecular mechanisms to pharmaceutical management. <i>Biochemical Pharmacology</i> , 2020, 178, 114114.	2.0	89
95	Attenuation of Acetaldehyde-induced cell injury by overexpression of aldehyde dehydrogenase-2 (ALDH2) transgene in human cardiac myocytes: role of MAP kinase signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 283-294.	0.9	88
96	Cisplatin compromises myocardial contractile function and mitochondrial ultrastructure: Role of endoplasmic reticulum stress. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 460-465.	0.9	86
97	IGF-1 deficiency resists cardiac hypertrophy and myocardial contractile dysfunction: role of microRNA-1 and microRNA-133a. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 83-95.	1.6	86
98	IGF-I attenuates diabetes-induced cardiac contractile dysfunction in ventricular myocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E658-E666.	1.8	85
99	Aldehyde Dehydrogenase 2 Ameliorates Acute Cardiac Toxicity of Ethanol. <i>Journal of the American College of Cardiology</i> , 2009, 54, 2187-2196.	1.2	85
100	Sarcomeric protein isoform transitions in cardiac muscle: A journey to heart failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 47-52.	1.8	84
101	Mitophagy inhibitor liensinine suppresses doxorubicin-induced cardiotoxicity through inhibition of Drp1-mediated maladaptive mitochondrial fission. <i>Pharmacological Research</i> , 2020, 157, 104846.	3.1	84
102	Protein Tyrosine Phosphatase 1B and Insulin Resistance: Role of Endoplasmic Reticulum Stress/Reactive Oxygen Species/Nuclear Factor Kappa B Axis. <i>PLoS ONE</i> , 2013, 8, e77228.	1.1	84
103	The Emerging Role of Coenzyme Q-10 in Aging, Neurodegeneration, Cardiovascular Disease, Cancer and Diabetes Mellitus. <i>Current Neurovascular Research</i> , 2005, 2, 447-459.	0.4	83
104	Metabolic Stress, Autophagy, and Cardiovascular Aging: from Pathophysiology to Therapeutics. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 699-711.	3.1	83
105	Herbal and Traditional Chinese Medicine for the Treatment of Cardiovascular Complications in Diabetes Mellitus. <i>Current Diabetes Reviews</i> , 2008, 4, 320-328.	0.6	81
106	Complex inhibition of autophagy by mitochondrial aldehyde dehydrogenase shortens lifespan and exacerbates cardiac aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1919-1932.	1.8	81
107	The insulin-like growth factor I system: Physiological and pathophysiological implication in cardiovascular diseases associated with metabolic syndrome. <i>Biochemical Pharmacology</i> , 2015, 93, 409-417.	2.0	79
108	A newly synthetic chromium complex - chromium(phenylalanine) ₃ improves insulin responsiveness and reduces whole body glucose tolerance. <i>FEBS Letters</i> , 2005, 579, 1458-1464.	1.3	78

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109	Insulin-Like Growth Factor 1 Alleviates High-Fat Diet-Induced Myocardial Contractile Dysfunction. <i>Hypertension</i> , 2012, 59, 680-693.	1.3	78
110	Inhibition of reactive oxygen species in hypothalamic paraventricular nucleus attenuates the renin-angiotensin system and proinflammatory cytokines in hypertension. <i>Toxicology and Applied Pharmacology</i> , 2014, 276, 115-120.	1.3	78
111	Measurement of cardiac mechanical function in isolated ventricular myocytes from rats and mice by computerized video-based imaging. <i>Biological Procedures Online</i> , 2001, 3, 43-53.	1.4	77
112	Streptozotocin directly impairs cardiac contractile function in isolated ventricular myocytes via a p38 map kinase-dependent oxidative stress mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 1066-1071.	1.0	77
113	Cathepsin K Knockout Mitigates High-Fat Diet-Induced Cardiac Hypertrophy and Contractile Dysfunction. <i>Diabetes</i> , 2013, 62, 498-509.	0.3	77
114	FUNDC1 interacts with FBXL2 to govern mitochondrial integrity and cardiac function through an IP3R3-dependent manner in obesity. <i>Science Advances</i> , 2020, 6, .	4.7	77
115	Deficiency in AMPK attenuates ethanol-induced cardiac contractile dysfunction through inhibition of autophagosome formation. <i>Cardiovascular Research</i> , 2012, 94, 480-491.	1.8	75
116	Luteolin Attenuates Doxorubicin-Induced Cardiotoxicity Through Promoting Mitochondrial Autophagy. <i>Frontiers in Physiology</i> , 2020, 11, 113.	1.3	75
117	Diabetic Cardiomyopathy: Do Women Differ From Men?. <i>Endocrine</i> , 2004, 25, 073-084.	2.2	74
118	Chronic Akt activation attenuated lipopolysaccharide-induced cardiac dysfunction via Akt/GSK3 β -dependent inhibition of apoptosis and ER stress. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 848-863.	1.8	74
119	Aldehyde dehydrogenase 2 knockout accentuates ethanol-induced cardiac depression: Role of protein phosphatases. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 322-329.	0.9	73
120	High extracellular glucose impairs cardiac E-C coupling in a glycosylation-dependent manner. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 273, H2876-H2883.	1.5	72
121	Impact of estrogen replacement on ventricular myocyte contractile function and protein kinase B/Akt activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H1800-H1807.	1.5	72
122	B11 alleviates cardiac microvascular ischemia-reperfusion injury via modifying mitochondrial fission and inhibiting XO/ROS/F-actin pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 5056-5069.	2.0	72
123	Aldehyde dehydrogenase-2 (ALDH2) ameliorates chronic alcohol ingestion-induced myocardial insulin resistance and endoplasmic reticulum stress. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 247-255.	0.9	71
124	Maternal obesity induces fibrosis in fetal myocardium of sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E968-E975.	1.8	71
125	Autophagy and cardiovascular aging. <i>Cell Cycle</i> , 2012, 11, 2092-2099.	1.3	71
126	Interaction between maternal and postnatal high fat diet leads to a greater risk of myocardial dysfunction in offspring via enhanced lipotoxicity, IRS-1 serine phosphorylation and mitochondrial defects. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 55, 117-129.	0.9	71

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127	ALDH2 protects against high fat diet-induced obesity cardiomyopathy and defective autophagy: role of CaM kinase II, histone H3K9 methyltransferase SUV39H, Sirt1, and PGC-1 β deacetylation. <i>International Journal of Obesity</i> , 2018, 42, 1073-1087.	1.6	71
128	Physical Exercise and Selective Autophagy: Benefit and Risk on Cardiovascular Health. <i>Cells</i> , 2019, 8, 1436.	1.8	71
129	Highly stable core-surface-crosslinked nanoparticles as cisplatin carriers for cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 48, 50-57.	2.5	70
130	FUNDC1 insufficiency sensitizes high fat diet intake-induced cardiac remodeling and contractile anomaly through ACSL4-mediated ferroptosis. <i>Metabolism: Clinical and Experimental</i> , 2021, 122, 154840.	1.5	69
131	Diabetic cardiomyocyte dysfunction and myocyte insulin resistance: Role of glucose-induced PKC activity. <i>Molecular and Cellular Biochemistry</i> , 2004, 262, 155-163.	1.4	68
132	Macrophage Migration Inhibitory Factor Deficiency Augments Doxorubicin-Induced Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2013, 2, e000439.	1.6	68
133	Detection of circulating gastric carcinoma-associated antigen MG7-Ag in human sera using an established single determinant immuno-polymerase chain reaction technique. <i>Cancer</i> , 2000, 88, 280-285.	2.0	67
134	Pum2-Mff axis fine-tunes mitochondrial quality control in acute ischemic kidney injury. <i>Cell Biology and Toxicology</i> , 2020, 36, 365-378.	2.4	67
135	Targeting autophagy in prostate cancer: preclinical and clinical evidence for therapeutic response. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 105.	3.5	67
136	Overexpression of alcohol dehydrogenase exacerbates ethanol-induced contractile defect in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1216-H1222.	1.5	66
137	Cardiac-specific overexpression of catalase rescues ventricular myocytes from ethanol-induced cardiac contractile defect. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 645-652.	0.9	66
138	Cardiac overexpression of antioxidant catalase attenuates aging-induced cardiomyocyte relaxation dysfunction. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 276-285.	2.2	66
139	AMP-dependent kinase and autophagic flux are involved in aldehyde dehydrogenase-2-induced protection against cardiac toxicity of ethanol. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1736-1748.	1.3	65
140	mTOR-Independent autophagy inducer trehalose rescues against insulin resistance-induced myocardial contractile anomalies: Role of p38 MAPK and Foxo1. <i>Pharmacological Research</i> , 2016, 111, 357-373.	3.1	65
141	Mitophagy Receptors and Mediators: Therapeutic Targets in the Management of Cardiovascular Ageing. <i>Ageing Research Reviews</i> , 2020, 62, 101129.	5.0	65
142	Sepsis-Induced Depressed Contractile Function of Isolated Ventricular Myocytes Is Due to Altered Calcium Transient Properties. <i>Shock</i> , 2002, 18, 285-288.	1.0	64
143	Influence of cardiac-specific overexpression of insulin-like growth factor 1 on lifespan and aging-associated changes in cardiac intracellular Ca ²⁺ homeostasis, protein damage and apoptotic protein expression. <i>Ageing Cell</i> , 2007, 6, 799-806.	3.0	64
144	Deficiency of Insulin-Like Growth Factor 1 Reduces Sensitivity to Aging-Associated Cardiomyocyte Dysfunction. <i>Rejuvenation Research</i> , 2008, 11, 725-733.	0.9	64

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145	Cardiac Overexpression of Alcohol Dehydrogenase Exacerbates Cardiac Contractile Dysfunction, Lipid Peroxidation, and Protein Damage After Chronic Ethanol Ingestion. <i>Alcoholism: Clinical and Experimental Research</i> , 2003, 27, 1090-1098.	1.4	63
146	mTOR&STAT3¬ch signalling contributes to ALDH2&induced protection against cardiac contractile dysfunction and autophagy under alcoholism. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 615-625.	1.6	63
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