

# DUSP1 alleviates cardiac ischemia/reperfusion injury by mitochondrial fission and Bnip3-related mitophagy via

Redox Biology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pravastatin improves risk factors but not ischaemic tolerance in obese rats. <i>European Journal of Pharmacology</i> , 2018, 826, 148-157.	1.7	7
2	HIF1 $\alpha$ deletion facilitates adipose stem cells to repair renal fibrosis in diabetic mice. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2018, 54, 272-286.	0.7	5
3	NR4A1 contributes to high-fat associated endothelial dysfunction by promoting CaMKII-Parkin-mitophagy pathways. <i>Cell Stress and Chaperones</i> , 2018, 23, 749-761.	1.2	44
4	Yap regulates gastric cancer survival and migration via SIRT1/Mfn2/mitophagy. <i>Oncology Reports</i> , 2018, 39, 1671-1681.	1.2	72
5	Ripk3 promotes ER stress-induced necroptosis in cardiac IR injury: A mechanism involving calcium overload/XO/ROS/mPTP pathway. <i>Redox Biology</i> , 2018, 16, 157-168.	3.9	286
6	SIRT3 Facilitates Amniotic Fluid Stem Cells to Repair Diabetic Nephropathy Through Protecting Mitochondrial Homeostasis by Modulation of Mitophagy. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 1508-1524.	1.1	49
7	BI1 is associated with microvascular protection in cardiac ischemia reperfusion injury via repressing Syk $\alpha$ -Nox2 $\alpha$ -Drp1-mitochondrial fission pathways. <i>Angiogenesis</i> , 2018, 21, 599-615.	3.7	145
8	Effect of Mst1 on Endometriosis Apoptosis and Migration: Role of Drp1-Related Mitochondrial Fission and Parkin-Required Mitophagy. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1172-1190.	1.1	46
9	Protective role of melatonin in cardiac ischemia $\alpha$ -reperfusion injury: From pathogenesis to targeted therapy. <i>Journal of Pineal Research</i> , 2018, 64, e12471.	3.4	193
10	Ripk3 regulates cardiac microvascular reperfusion injury: The role of IP3R-dependent calcium overload, XO-mediated oxidative stress and F-action/filopodia-based cellular migration. <i>Cellular Signalling</i> , 2018, 45, 12-22.	1.7	125
11	Empagliflozin rescues diabetic myocardial microvascular injury via AMPK-mediated inhibition of mitochondrial fission. <i>Redox Biology</i> , 2018, 15, 335-346.	3.9	378
12	Melatonin therapy for diabetic cardiomyopathy: A mechanism involving Syk-mitochondrial complex I-SERCA pathway. <i>Cellular Signalling</i> , 2018, 47, 88-100.	1.7	108
13	Pathogenesis of cardiac ischemia reperfusion injury is associated with CK2 $\alpha$ -disturbed mitochondrial homeostasis via suppression of FUNDC1-related mitophagy. <i>Cell Death and Differentiation</i> , 2018, 25, 1080-1093.	5.0	317
14	Zearalenone regulates endometrial stromal cell apoptosis and migration via the promotion of mitochondrial fission by activation of the JNK/Drp1 pathway. <i>Molecular Medicine Reports</i> , 2018, 17, 7797-7806.	1.1	20
15	PTEN enhances nasal epithelial cell resistance to TNF $\alpha$ -induced inflammatory injury by limiting mitophagy via repression of the TLR4 $\alpha$ -JNK $\alpha$ -Bnip3 pathway. <i>Molecular Medicine Reports</i> , 2018, 18, 2973-2986.	1.1	9
16	Tanshinone IIA regulates colorectal cancer apoptosis via attenuation of Parkin $\alpha$ -mediated mitophagy by suppressing AMPK/Skp2 pathways. <i>Molecular Medicine Reports</i> , 2018, 18, 1692-1703.	1.1	28
18	Overexpression of Mst1 reduces gastric cancer cell viability by repressing the AMPK-Sirt3 pathway and activating mitochondrial fission. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 8465-8479.	1.0	17
19	Hyperglycaemia Stress-Induced Renal Injury is Caused by Extensive Mitochondrial Fragmentation, Attenuated MKP1 Signalling, and Activated JNK-CaMKII-Fis1 Biological Axis. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1778-1798.	1.1	22

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20	Mammalian STE20-Like Kinase 1 Deletion Alleviates Renal Ischaemia-Reperfusion Injury via Modulating Mitophagy and the AMPK-YAP Signalling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2359-2376.	1.1	22
21	Sirtuin 1 protects hair follicle stem cells from TNF $\alpha$ -mediated inflammatory stress via activating the MAPK-ERK-Mfn2 pathway. <i>Life Sciences</i> , 2018, 212, 213-224.	2.0	18
22	Tanshinone IIA reduces SW837 colorectal cancer cell viability via the promotion of mitochondrial fission by activating JNK-Mff signaling pathways. <i>BMC Cell Biology</i> , 2018, 19, 21.	3.0	30
23	Nurr1 exacerbates cerebral ischemia-reperfusion injury via modulating YAP-INF2-mitochondrial fission pathways. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 104, 149-160.	1.2	16
24	TNF $\alpha$ ; promotes glioblastoma A172 cell mitochondrial apoptosis via augmenting mitochondrial fission and repression of MAPK&ndash;ERK&ndash;YAP signaling pathways. <i>Oncotargets and Therapy</i> , 2018, Volume 11, 7213-7227.	1.0	15
25	Tanshinone IIA promotes IL2-mediated SW480 colorectal cancer cell apoptosis by triggering INF2-related mitochondrial fission and activating the Mst1-Hippo pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1658-1669.	2.5	32
26	Inhibition of TRAF3 expression alleviates cardiac ischemia reperfusion (IR) injury: A mechanism involving in apoptosis, inflammation and oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 298-305.	1.0	19
28	Nur77 promotes cerebral ischemia&ndash;reperfusion injury via activating INF2-mediated mitochondrial fragmentation. <i>Journal of Molecular Histology</i> , 2018, 49, 599-613.	1.0	16
30	Melatonin attenuates renal fibrosis in diabetic mice by activating the AMPK/PGC1 $\alpha$ signaling pathway and rescuing mitochondrial function. <i>Molecular Medicine Reports</i> , 2018, 19, 1318-1330.	1.1	16
31	Inhibitory effect of melatonin on necroptosis via repressing the Ripk3&ndash;PGAM5&ndash;CypD&ndash;mPTP pathway attenuates cardiac microvascular ischemia&ndash;reperfusion injury. <i>Journal of Pineal Research</i> , 2018, 65, e12503.	3.4	186
32	miR-125a induces apoptosis, metabolism disorder and migration impairment in pancreatic cancer cells by targeting Mfn2-related mitochondrial fission. <i>International Journal of Oncology</i> , 2018, 53, 124-136.	1.4	51
33	Sirt3-mediated mitochondrial fission regulates the colorectal cancer stress response by modulating the Akt/PTEN signalling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 1172-1182.	2.5	25
34	NR4A1 Promotes Diabetic Nephropathy by Activating Mff-Mediated Mitochondrial Fission and Suppressing Parkin-Mediated Mitophagy. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1675-1693.	1.1	45
35	ER&ndash;Mitochondria Microdomains in Cardiac Ischemia&ndash;Reperfusion Injury: A Fresh Perspective. <i>Frontiers in Physiology</i> , 2018, 9, 755.	1.3	128
36	Therapeutic effect of Sirtuin 3 on ameliorating nonalcoholic fatty liver disease: The role of the ERK-CREB pathway and Bnip3-mediated mitophagy. <i>Redox Biology</i> , 2018, 18, 229-243.	3.9	254
37	c-Jun N-Terminal Kinases (JNKs) in Myocardial and Cerebral Ischemia/Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 715.	1.6	87
38	Mitochonic acid 5 activates the MAPK&ndash;ERK&ndash;yap signaling pathways to protect mouse microglial BV-2 cells against TNF $\alpha$ -induced apoptosis via increased Bnip3-related mitophagy. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 14.	2.7	51
39	Mst1 regulates post-infarction cardiac injury through the JNK-Drp1-mitochondrial fission pathway. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 21.	2.7	50

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41	NR4A1 Promotes Cerebral Ischemia Reperfusion Injury by Repressing Mfn2-Mediated Mitophagy and Inactivating the MAPK-ERK-CREB Signaling Pathway. <i>Neurochemical Research</i> , 2018, 43, 1963-1977.	1.6	49
42	TAZ inhibition promotes IL-2-induced apoptosis of hepatocellular carcinoma cells by activating the JNK/F-actin/mitochondrial fission pathway. <i>Cancer Cell International</i> , 2018, 18, 117.	1.8	14
44	Sirt3 inhibits cerebral ischemia-reperfusion injury through normalizing Wnt/ $\beta$ 2-catenin pathway and blocking mitochondrial fission. <i>Cell Stress and Chaperones</i> , 2018, 23, 1079-1092.	1.2	47
45	Mst1 promotes cardiac ischemia-reperfusion injury by inhibiting the ERK-CREB pathway and repressing FUNDC1-mediated mitophagy. <i>Journal of Physiological Sciences</i> , 2019, 69, 113-127.	0.9	88
46	Mitochondrial function in the heart: the insight into mechanisms and therapeutic potentials. <i>British Journal of Pharmacology</i> , 2019, 176, 4302-4318.	2.7	50
47	Poly (ADP-ribose) polymerase inhibition protects against myocardial ischaemia/reperfusion injury via suppressing mitophagy. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6897-6906.	1.6	21
48	Inhibitory effect of Tanshinone IIA on inverted formin-2 protects HaCaT cells against oxidative injury via regulating mitochondrial stress. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 134-145.	1.3	2
49	Nurr1 promotes lung cancer apoptosis via enhancing mitochondrial stress and p53-Drp1 pathway. <i>Open Life Sciences</i> , 2019, 14, 262-274.	0.6	2
50	Tanshinone IIA attenuates cardiac microvascular ischemia-reperfusion injury via regulating the SIRT1-PGC1 $\alpha$ -mitochondrial apoptosis pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 991-1003.	1.2	32
51	Yap overexpression attenuates septic cardiomyopathy by inhibiting DRP1-related mitochondrial fission and activating the ERK signaling pathway. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 175-186.	1.3	16
52	Therapeutic contribution of melatonin to the treatment of septic cardiomyopathy: A novel mechanism linking Ripk3-modified mitochondrial performance and endoplasmic reticulum function. <i>Redox Biology</i> , 2019, 26, 101287.	3.9	60
53	Upregulation of long noncoding RNA RP4 exacerbates hypoxia injury in cardiomyocytes through regulating miR-939/Bnip3/Wnt/ $\beta$ 2-catenin pathway. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 3013-3020.	1.9	3
54	Targeting mitochondrial dynamics by regulating Mfn2 for therapeutic intervention in diabetic cardiomyopathy. <i>Theranostics</i> , 2019, 9, 3687-3706.	4.6	127
55	Inhibitory effect of melatonin on Mst1 ameliorates myocarditis through attenuating ER stress and mitochondrial dysfunction. <i>Journal of Molecular Histology</i> , 2019, 50, 405-415.	1.0	18
56	Novel Molecular Targets Participating in Myocardial Ischemia-Reperfusion Injury and Cardioprotection. <i>Cardiology Research and Practice</i> , 2019, 2019, 1-16.	0.5	38
57	JIP1 Deficiency Protects Retinal Ganglion Cells From Apoptosis in a Rotenone-Induced Injury Model. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 225.	1.8	5
58	Sirt3 overexpression alleviates hyperglycemia-induced vascular inflammation through regulating redox balance, cell survival, and AMPK-mediated mitochondrial homeostasis. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 341-349.	1.3	21
59	MiR-32-5p influences high glucose-induced cardiac fibroblast proliferation and phenotypic alteration by inhibiting DUSP1. <i>BMC Molecular Biology</i> , 2019, 20, 21.	3.0	18

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60	Pretreatment of bone mesenchymal stem cells with miR181-c facilitates craniofacial defect reconstruction via activating AMPK-Mfn1 signaling pathways. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 199-207.	1.3	5
61	Dual-specificity phosphatase 1 regulates cell cycle progression and apoptosis in cumulus cells by affecting mitochondrial function, oxidative stress, and autophagy. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1183-C1193.	2.1	15
62	Mst1 inhibition attenuates non-alcoholic fatty liver disease via reversing Parkin-related mitophagy. <i>Redox Biology</i> , 2019, 21, 101120.	3.9	76
64	Mitophagy protects SH-SY5Y neuroblastoma cells against the TNF $\alpha$ -induced inflammatory injury: Involvement of microRNA-145 and Bnip3. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 957-968.	2.5	22
65	Matrine promotes apoptosis in SW480 colorectal cancer cells via elevating MIEF1-related mitochondrial division in a manner dependent on LATS2-Hippo pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 22731-22741.	2.0	24
66	Tongxinluo Ameliorates Myocardial Ischemia-Reperfusion Injury Mainly via Activating Parkin-Mediated Mitophagy and Downregulating Ubiquitin-Proteasome System. <i>Chinese Journal of Integrative Medicine</i> , 2021, 27, 542-550.	0.7	29
67	Mitofusin-2 regulates inflammation-mediated mouse neuroblastoma N2a cells dysfunction and endoplasmic reticulum stress via the Yap-Hippo pathway. <i>Journal of Physiological Sciences</i> , 2019, 69, 697-709.	0.9	16
68	Hippo/Mst1 overexpression induces mitochondrial death in head and neck squamous cell carcinoma via activating $\beta$ -catenin/Drp1 pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 807-816.	1.2	14
69	SESN2 protects against doxorubicin-induced cardiomyopathy via rescuing mitophagy and improving mitochondrial function. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 125-137.	0.9	67
70	Sirt1 inhibits HG-induced endothelial injury: Role of Mff-based mitochondrial fission and F-actin homeostasis-mediated cellular migration. <i>International Journal of Molecular Medicine</i> , 2019, 44, 89-102.	1.8	12
71	Mitochondrial acidosis attenuates TNF $\alpha$ -mediated neuronal inflammation via activating Parkin-related mitophagy and augmenting the AMPK-Sirt3 pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 22172-22182.	2.0	28
72	Mitochondrial Dynamics: Biogenesis, Fission, Fusion, and Mitophagy in the Regulation of Stem Cell Behaviors. <i>Stem Cells International</i> , 2019, 2019, 1-15.	1.2	97
73	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
74	Irisin ameliorates septic cardiomyopathy via inhibiting DRP1-related mitochondrial fission and normalizing the JNK-LATS2 signaling pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 595-608.	1.2	40
76	Melatonin attenuates TNF $\alpha$ -mediated hepatocytes damage via inhibiting mitochondrial stress and activating the Akt-Sirt3 signaling pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 20969-20979.	2.0	18
77	Genetic ablation of TAZ induces HepG2 liver cancer cell apoptosis through activating the CaMKII/MIEF1 signaling pathway. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 1765-1779.	1.0	4
78	Mst1-Hippo pathway triggers breast cancer apoptosis via inducing mitochondrial fragmentation in a manner dependent on JNK-Drp1 axis. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 1147-1159.	1.0	17
79	Yap-Hippo promotes A549 lung cancer cell death via modulating MIEF1-related mitochondrial stress and activating JNK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 113, 108754.	2.5	7

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80	PARP Inhibitor Protects Against Chronic Hypoxia/Reoxygenation-Induced Retinal Injury by Regulation of MAPKs, HIF1 $\alpha$ , Nrf2, and NF $\kappa$ B. , 2019, 60, 1478.		31
81	Melatonin ameliorates endoplasmic reticulum stress in N2a neuroblastoma cell hypoxia-reoxygenation injury by activating the AMPK-Pak2 pathway. Cell Stress and Chaperones, 2019, 24, 621-633.	1.2	19
82	Anti-tumor effect of LATS2 on liver cancer death: Role of DRP1-mediated mitochondrial division and the Wnt/ $\beta$ -catenin pathway. Biomedicine and Pharmacotherapy, 2019, 114, 108825.	2.5	20
83	Overexpression of macrophage stimulating 1 enhances the anti-tumor effects of IL-24 in esophageal cancer via inhibiting ERK-Mfn2 signaling-dependent mitophagy. Biomedicine and Pharmacotherapy, 2019, 114, 108844.	2.5	13
85	Mammalian STE20-like Kinase 1 Knockdown Attenuates TNF $\alpha$ -Mediated Neurodegenerative Disease by Repressing the JNK Pathway and Mitochondrial Stress. Neurochemical Research, 2019, 44, 1653-1664.	1.6	8
86	Targeting autophagy in cardiac ischemia/reperfusion injury: A novel therapeutic strategy. Journal of Cellular Physiology, 2019, 234, 16768-16778.	2.0	67
87	Cyclosporin A Protected Cardiomyocytes Against Oxidative Stress Injury by Inhibition of NF $\kappa$ B Signaling Pathway. Cardiovascular Engineering and Technology, 2019, 10, 329-343.	0.7	6
88	Suramin protects hepatocytes from LPS-induced apoptosis by regulating mitochondrial stress and inactivating the JNK-Mst1 signaling pathway. Journal of Physiological Sciences, 2019, 69, 489-502.	0.9	7
89	MKP1 overexpression reduces TNF $\alpha$ -induced cardiac injury via suppressing mitochondrial fragmentation and inhibiting the JNK-MIEF1 pathways. Journal of Cellular Physiology, 2019, 234, 16148-16159.	2.0	6
90	Suppression of Tafazzin promotes thyroid cancer apoptosis via activating the JNK signaling pathway and enhancing INF2-mediated mitochondrial fission. Journal of Cellular Physiology, 2019, 234, 16238-16251.	2.0	15
91	Panax Notoginseng Saponins Attenuate Myocardial Ischemia-Reperfusion Injury Through the HIF-1 $\alpha$ /BNIP3 Pathway of Autophagy. Journal of Cardiovascular Pharmacology, 2019, 73, 92-99.	0.8	53
92	Liraglutide protects renal mesangial cells against hyperglycemia-mediated mitochondrial apoptosis by activating the ERK-Yap signaling pathway and upregulating Sirt3 expression. Molecular Medicine Reports, 2019, 19, 2849-2860.	1.1	8
93	Yes-associated protein reduces neuroinflammation through upregulation of Sirt3 and inhibition of JNK signaling pathway. Journal of Receptor and Signal Transduction Research, 2019, 39, 479-487.	1.3	6
94	Resveratrol attenuates cerebral ischaemia reperfusion injury via modulating mitochondrial dynamics homeostasis and activating AMPK-Mfn1 pathway. International Journal of Experimental Pathology, 2019, 100, 337-349.	0.6	23
95	The Role of Myocardial Mitochondrial Quality Control in Heart Failure. Frontiers in Pharmacology, 2019, 10, 1404.	1.6	49
96	DNA-PKcs promotes alcohol-related liver disease by activating Drp1-related mitochondrial fission and repressing FUNDC1-required mitophagy. Signal Transduction and Targeted Therapy, 2019, 4, 56.	7.1	125
97	LATS2 promotes cardiomyocyte H9C2 cells apoptosis via the Prx3-Mfn2-mitophagy pathways. Journal of Receptor and Signal Transduction Research, 2019, 39, 470-478.	1.3	20
98	Melatonin Attenuates Cardiac Reperfusion Stress by Improving OPA1-Related Mitochondrial Fusion in a Yap-Hippo Pathway-Dependent Manner. Journal of Cardiovascular Pharmacology, 2019, 73, 27-39.	0.8	33

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99	Melatonin-Mediated Pak2 Activation Reduces Cardiomyocyte Death Through Suppressing Hypoxia Reoxygenation Injury-Induced Endoplasmic Reticulum Stress. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 20-29.	0.8	17
100	NURR1 inhibition reduces hypoxia-mediated cardiomyocyte necrosis via blocking Mst1-JNK-mPTP pathway. <i>Journal of Receptor and Signal Transduction Research</i> , 2019, 39, 350-358.	1.3	11
101	Inhibitor 1 of Protein Phosphatase 1 Regulates Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II to Alleviate Oxidative Stress in Hypoxia-Reoxygenation Injury of Cardiomyocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	1.9	20
102	Sirt3 attenuates post-infarction cardiac injury via inhibiting mitochondrial fission and normalization of AMPK-Drp1 pathways. <i>Cellular Signalling</i> , 2019, 53, 1-13.	1.7	51
103	BI1 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
104	DUSP1 recuses diabetic nephropathy via repressing JNK-mff-mitochondrial fission pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 3043-3057.	2.0	62
105	Matrine has pro-apoptotic effects on liver cancer by triggering mitochondrial fission and activating Mst1-JNK signalling pathways. <i>Journal of Physiological Sciences</i> , 2019, 69, 185-198.	0.9	18
106	INF2 regulates oxidative stress-induced apoptosis in epidermal HaCaT cells by modulating the HIF1 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 151-161.	2.5	49
107	LATS2 promotes apoptosis in non-small cell lung cancer A549 cells via triggering Mff-dependent mitochondrial fission and activating the JNK signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 679-689.	2.5	38
108	Mitochondrial quality control in cardiac cells: Mechanisms and role in cardiac cell injury and disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 8122-8133.	2.0	147
111	Sepsis-related myocardial injury is associated with Mst1 upregulation, mitochondrial dysfunction and the Drp1/F-actin signaling pathway. <i>Journal of Molecular Histology</i> , 2019, 50, 91-103.	1.0	30
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115	Mst1 deletion attenuates renal ischaemia-reperfusion injury: The role of microtubule cytoskeleton dynamics, mitochondrial fission and the GSK3 $\beta$ -p53 signalling pathway. <i>Redox Biology</i> , 2019, 20, 261-274.	3.9	35
116	Lipopolysaccharide induces human olfactory ensheathing glial apoptosis by promoting mitochondrial dysfunction and activating the JNK-Bnip3-Bax pathway. <i>Cell Stress and Chaperones</i> , 2019, 24, 91-104.	1.2	9
117	Melatonin attenuates myocardial ischemia-reperfusion injury via improving mitochondrial fusion/mitophagy and activating the AMPK-OPA1 signaling pathways. <i>Journal of Pineal Research</i> , 2019, 66, e12542.	3.4	261
118	Mitophagy imbalance in cardiomyocyte ischaemia/reperfusion injury. <i>Acta Physiologica</i> , 2019, 225, e13228.	1.8	23
119	USP49 inhibits ischemia-reperfusion-induced cell viability suppression and apoptosis in human AC16 cardiomyocytes through DUSP1-JNK1/2 signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 6529-6538.	2.0	20
120	Yap-Hippo pathway regulates cerebral hypoxia-reoxygenation injury in neuroblastoma N2a cells via inhibiting ROCK1/F-actin/mitochondrial fission pathways. <i>Acta Neurologica Belgica</i> , 2020, 120, 879-892.	0.5	25

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121	Emerging role of mitophagy in cardiovascular physiology and pathology. <i>Molecular Aspects of Medicine</i> , 2020, 71, 100822.	2.7	114
122	Caveolin-1 knockdown increases the therapeutic sensitivity of lung cancer to cisplatin-induced apoptosis by repressing Parkin-related mitophagy and activating the ROCK1 pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 1197-1208.	2.0	29
123	Proinflammation effect of Mst1 promotes BV-2 cell death via augmenting Drp1-mediated mitochondrial fragmentation and activating the JNK pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 1504-1514.	2.0	10
124	Protective effects of irisin on hypoxia-reoxygenation injury in hyperglycemia-treated cardiomyocytes: Role of AMPK pathway and mitochondrial protection. <i>Journal of Cellular Physiology</i> , 2020, 235, 1165-1174.	2.0	22
125	Melatonin attenuates ER stress and mitochondrial damage in septic cardiomyopathy: A new mechanism involving BAP31 upregulation and MAPK-ERK pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 2847-2856.	2.0	67
126	miR125a attenuates BMSCs apoptosis via the MAPK-ERK pathways in the setting of craniofacial defect reconstruction. <i>Journal of Cellular Physiology</i> , 2020, 235, 2857-2865.	2.0	7
127	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
128	Mitophagy: A crucial modulator in the pathogenesis of chronic diseases. <i>Clinica Chimica Acta</i> , 2020, 502, 245-254.	0.5	29
129	Role of Mitophagy in Cardiovascular Disease. , 2020, 11, 419.		38
130	Imperatorin improves in vitro porcine embryo development by reducing oxidative stress and autophagy. <i>Theriogenology</i> , 2020, 146, 145-151.	0.9	10
131	Opa1 Reduces Hypoxia-Induced Cardiomyocyte Death by Improving Mitochondrial Quality Control. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 853.	1.8	22
132	Huoxin Pill Attenuates Cardiac Inflammation by Suppression of TLR4/NF- $\kappa$ B in Acute Myocardial Ischemia Injury Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	0.5	3
133	Mitophagy Receptors and Mediators: Therapeutic Targets in the Management of Cardiovascular Ageing. <i>Ageing Research Reviews</i> , 2020, 62, 101129.	5.0	65
134	SERCA Overexpression Improves Mitochondrial Quality Control and Attenuates Cardiac Microvascular Ischemia-Reperfusion Injury. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 696-707.	2.3	105
135	SERCA overexpression reduces reperfusion-mediated cardiac microvascular damage through inhibition of the calcium/MCU/mPTP/necroptosis signaling pathways. <i>Redox Biology</i> , 2020, 36, 101659.	3.9	38
136	Mitophagy in degenerative joint diseases. <i>Autophagy</i> , 2021, 17, 2082-2092.	4.3	161
137	AMPK $\alpha$ 2 Overexpression Reduces Cardiomyocyte Ischemia-Reperfusion Injury Through Normalization of Mitochondrial Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 833.	1.8	3
138	Calenduloside E Ameliorates Myocardial Ischemia-Reperfusion Injury through Regulation of AMPK and Mitochondrial OPA1. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	14

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139	Pathological Responses of Cardiac Mitochondria to Burn Trauma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6655.	1.8	7
140	Vitamin D Attenuates Ischemia/Reperfusion-Induced Cardiac Injury by Reducing Mitochondrial Fission and Mitophagy. <i>Frontiers in Pharmacology</i> , 2020, 11, 604700.	1.6	29
141	Mitochondrial-Derived Vesicles Protect Cardiomyocytes Against Hypoxic Damage. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 214.	1.8	39
142	Targeting mitochondrial fusion and fission proteins for cardioprotection. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 6571-6585.	1.6	63
143	Wenxin Granule Ameliorates Hypoxia/Reoxygenation-Induced Oxidative Stress in Mitochondria via the PKC- <i>Î</i> /NOX2/ROS Pathway in H9c2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16.	1.9	15
144	Application of mesenchymal stem cell exosomes and their drug-loading systems in acute liver failure. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7082-7093.	1.6	26
145	Deferoxamine Treatment Combined With Sevoflurane Postconditioning Attenuates Myocardial Ischemia-Reperfusion Injury by Restoring HIF-1/BNIP3-Mediated Mitochondrial Autophagy in GK Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 6.	1.6	30
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297	The role of autophagy in cardiovascular disease: Cross-interference of signaling pathways and underlying therapeutic targets. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	11
298	Interaction between dual specificity phosphatase-1 and cullin-1 attenuates alcohol-related liver disease by restoring p62-mediated mitophagy. <i>International Journal of Biological Sciences</i> , 2023, 19, 1831-1845.	2.6	3
304	Editorial: Mitochondrial quality control in cardiovascular diseases. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	0
306	Molecular therapy of cardiac ischemia-reperfusion injury based on mitochondria and ferroptosis. <i>Journal of Molecular Medicine</i> , 2023, 101, 1059-1071.	1.7	2
312	Mitochondrial dynamics in health and disease: mechanisms and potential targets. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	25
319	Involvement of mitochondrial dynamics and mitophagy in diabetic endothelial dysfunction and cardiac microvascular injury. <i>Archives of Toxicology</i> , 2023, 97, 3023-3035.	1.9	0