Weixun Duan

List of Publications by Year
in descending order

44 papers	2,191 citations	393982 19 h-index	253896 43 g-index
45 all docs	45 docs citations	45 times ranked	3043 citing authors

#	Article	IF	Citations
1	Melatonin ameliorates myocardial ischemia reperfusion injury through <scp>SIRT</scp>3â€dependent regulation of oxidative stress and apoptosis. Journal of Pineal Research, 2017, 63, e12419.	3.4	261
2	SIRT1 activation by curcumin pretreatment attenuates mitochondrial oxidative damage induced by myocardial ischemia reperfusion injury. Free Radical Biology and Medicine, 2013, 65, 667-679.	1.3	196
3	Melatonin receptorâ€mediated protection against myocardial ischemia/reperfusion injury: role of <scp>SIRT</scp>1. Journal of Pineal Research, 2014, 57, 228-238.	3.4	173
4	Melatonin ameliorates myocardial ischemia/reperfusion injury in type 1 diabetic rats by preserving mitochondrial function: role of AMPK-PGC-1Î±-SIRT3 signaling. Scientific Reports, 2017, 7, 41337.	1.6	167
5	The effects of curcumin post-treatment against myocardial ischemia and reperfusion by activation of the JAK2/STAT3 signaling pathway. Basic Research in Cardiology, 2012, 107, 263.	2.5	121
6	Clinical features of acute aortic dissection from the Registry of Aortic Dissection in China. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2995-3000.	0.4	116
7	Reduced silent information regulator 1 signaling exacerbates myocardial ischemiaâ€“reperfusion injury in type 2 diabetic rats and the protective effect of melatonin. Journal of Pineal Research, 2015, 59, 376-390.	3.4	110
8	Berberine Attenuates Myocardial Ischemia/Reperfusion Injury by Reducing Oxidative Stress and Inflammation Response: Role of Silent Information Regulator 1. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-16.	1.9	91
9	Transcatheter Versus Surgical Closure of Perimembranous Ventricular Septal Defects in Children. Journal of the American College of Cardiology, 2014, 63, 1159-1168.	1.2	89
10	Membrane receptorâ€dependent <scp>N</scp>otch1/<scp>H</scp>es1 activation by melatonin protects against myocardial ischemiaâ€“reperfusion injury: inÂvivo and inÂvitro studies. Journal of Pineal Research, 2015, 59, 420-433.	3.4	85
11	Honokiol Ameliorates Myocardial Ischemia/Reperfusion Injury in Type 1 Diabetic Rats by Reducing Oxidative Stress and Apoptosis through Activating the SIRT1-Nrf2 Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	1.9	82
12	Tetrahydrocurcumin Ameliorates Diabetic Cardiomyopathy by Attenuating High Glucose-Induced Oxidative Stress and Fibrosis via Activating the SIRT1 Pathway. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	1.9	80
13	Melatonin reduces PERK-eIF2Î±-ATF4-mediated endoplasmic reticulum stress during myocardial ischemiaâ€“reperfusion injury: role of RISK and SAFE pathways interaction. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 809-824.	2.2	71
14	New Role of JAK2/STAT3 Signaling in Endothelial Cell Oxidative Stress Injury and Protective Effect of Melatonin. PLoS ONE, 2013, 8, e57941.	1.1	65
15	Melatonin protects against the pathological cardiac hypertrophy induced by transverse aortic constriction through activating <scp>PGC</scp>â€1Î²: In vivo and in vitro studies. Journal of Pineal Research, 2017, 63, e12433.	3.4	58
16	Silybin-Mediated Inhibition of Notch Signaling Exerts Antitumor Activity in Human Hepatocellular Carcinoma Cells. PLoS ONE, 2013, 8, e83699.	1.1	52
17	C1q-TNF-related protein-3 attenuates pressure overload-induced cardiac hypertrophy by suppressing the p38/CREB pathway and p38-induced ER stress. Cell Death and Disease, 2019, 10, 520.	2.7	52
18	Pterostilbene exerts an anti-inflammatory effect via regulating endoplasmic reticulum stress in endothelial cells. Cytokine, 2016, 77, 88-97.	1.4	36

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19	Melatonin protects against thoracic aortic aneurysm and dissection through SIRT1â€dependent regulation of oxidative stress and vascular smooth muscle cell loss. Journal of Pineal Research, 2020, 69, e12661.	3.4	36
20	Novel PGC-1Î±/ATF5 Axis Partly Activates UPRmt and Mediates Cardioprotective Role of Tetrahydrocurcumin in Pathological Cardiac Hypertrophy. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-21.	1.9	24
21	Melatonin may suppress lung adenocarcinoma progression via regulation of the circular noncoding RNA hsa_circ_0017109/miRâ€135bâ€3p/TOX3 axis. Journal of Pineal Research, 2022, 73, .	3.4	21
22	Melatonin suppresses ER stress-dependent proapoptotic effects via AMPK in bone mesenchymal stem cells during mitochondrial oxidative damage. Stem Cell Research and Therapy, 2020, 11, 442.	2.4	20
23	circ_0023461 Silencing Protects Cardiomyocytes from Hypoxia-Induced Dysfunction through Targeting miR-370-3p/PDE4D Signaling. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	1.9	20
24	Tetrahydrocurcumin improves lipopolysaccharide-induced myocardial dysfunction by inhibiting oxidative stress and inflammation via JNK/ERK signaling pathway regulation. Phytomedicine, 2022, 104, 154283.	2.3	19
25	A feasibility study of total endovascular aortic arch replacement: From stent-graft design to preclinical testing. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 1203-1212.	0.4	16
26	The role of SARSâ€CoVâ€2 target ACE2 in cardiovascular diseases. Journal of Cellular and Molecular Medicine, 2021, 25, 1342-1349.	1.6	16
27	Cardiac stem cell transplantation with 2,3,5,4â€²-tetrahydroxystilbehe-2-O-Î²-d-glucoside improves cardiac function in rat myocardial infarction model. Life Sciences, 2016, 158, 37-45.	2.0	15
28	GPER inhibits diabetes-mediated RhoA activation to prevent vascular endothelial dysfunction. European Journal of Cell Biology, 2016, 95, 100-113.	1.6	13
29	Study on active components of mulberry leaf for the prevention and treatment of cardiovascular complications of diabetes. Journal of Functional Foods, 2021, 83, 104549.	1.6	13
30	GDF11 prevents the formation of thoracic aortic dissection in mice: Promotion of contractile transition of aortic SMCs. Journal of Cellular and Molecular Medicine, 2021, 25, 4623-4636.	1.6	11
31	Total arch repair with open placement of a novel double-branched stent graft for acute Type A aortic dissection: a single-centre experience with 21 consecutive patients. Interactive Cardiovascular and Thoracic Surgery, 2019, 28, 262-269.	0.5	9
32	Sex Differences of Clinical Presentation and Outcomes in Propensity-Matched Patients with Acute Type A Aortic Dissection. Heart Surgery Forum, 2021, 24, E311-E316.	0.2	9
33	Identification of CTA-Based Predictive Findings for Temporary and Permanent Neurological Dysfunction after Repair in Acute Type A Aortic Dissection. Scientific Reports, 2018, 8, 9740.	1.6	6
34	Evaluating the monogenic contribution and genotypeâ€“phenotype correlation in patients with isolated thoracic aortic aneurysm. European Journal of Human Genetics, 2021, 29, 1129-1138.	1.4	6
35	Genetic testing and clinical relevance of patients with thoracic aortic aneurysm and dissection in northwestern China. Molecular Genetics & Genomic Medicine, 2021, 9, e1800.	0.6	6
36	G Proteinâ€“Coupled Estrogen Receptor 30 Reduces Transverse Aortic Constrictionâ€“Induced Myocardial Fibrosis in Aged Female Mice by Inhibiting the ERK1/2 -MMP-9 Signaling Pathway. Frontiers in Pharmacology, 2021, 12, 731609.	1.6	6

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37	Preoperative Imaging Risk Findings for Postoperative New Stroke in Patients With Acute Type A Aortic Dissection. Frontiers in Cardiovascular Medicine, 2020, 7, 602610.	1.1	4
38	The Construction of a Risk Prediction Model Based on Neural Network for Pre-operative Acute Ischemic Stroke in Acute Type A Aortic Dissection Patients. Frontiers in Neurology, 2021, 12, 792678.	1.1	4
39	Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1682.	0.4	3
40	The roles of nanocarriers on pigment epithelium-derived factor in the differentiation of human cardiac stem cells. Cell and Tissue Research, 2015, 362, 611-621.	1.5	3
41	Combined CT angiography of the aorta and craniocervical artery: a new imaging protocol for assessment of acute type A aortic dissection. Journal of Thoracic Disease, 2017, 9, 4733-4742.	0.6	3
42	Serum Myoglobin Is Associated With Postoperative Acute Kidney Injury in Stanford Type A Aortic Dissection. Frontiers in Medicine, 2022, 9, 821418.	1.2	2
43	Effectiveness of a novel, completely biomaterial valved pulmonary arterial conduit: An inï¿½vivo study. Experimental and Therapeutic Medicine, 2020, 20, 1935-1942.	0.8	1
44	A De Novo sSMC (22) Characterized by High-Resolution Chromosome Microarray Analysis in a Chinese Boy with Cat-Eye Syndrome. Case Reports in Genetics, 2021, 2021, 1-4.	0.1	0