

# Weixun Duan

## 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.

42  
papers

1,523  
citations

18  
h-index

39  
g-index

45  
ext. papers

1,860  
ext. citations

5.6  
avg, IF

3.99  
L-index

#	Paper	IF	Citations
42	Melatonin ameliorates myocardial ischemia reperfusion injury through SIRT3-dependent regulation of oxidative stress and apoptosis. <i>Journal of Pineal Research</i> , <b>2017</b> , 63, e12419	10.4	172
41	SIRT1 activation by curcumin pretreatment attenuates mitochondrial oxidative damage induced by myocardial ischemia reperfusion injury. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 667-679	7.8	160
40	Melatonin receptor-mediated protection against myocardial ischemia/reperfusion injury: role of SIRT1. <i>Journal of Pineal Research</i> , <b>2014</b> , 57, 228-38	10.4	154
39	Melatonin ameliorates myocardial ischemia/reperfusion injury in type 1 diabetic rats by preserving mitochondrial function: role of AMPK-PGC-1 $\beta$ SIRT3 signaling. <i>Scientific Reports</i> , <b>2017</b> , 7, 41337	4.9	126
38	The effects of curcumin post-treatment against myocardial ischemia and reperfusion by activation of the JAK2/STAT3 signaling pathway. <i>Basic Research in Cardiology</i> , <b>2012</b> , 107, 263	11.8	96
37	Reduced silent information regulator 1 signaling exacerbates myocardial ischemia-reperfusion injury in type 2 diabetic rats and the protective effect of melatonin. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 376-90	10.4	89
36	Membrane receptor-dependent Notch1/Hes1 activation by melatonin protects against myocardial ischemia-reperfusion injury: in vivo and in vitro studies. <i>Journal of Pineal Research</i> , <b>2015</b> , 59, 420-33	10.4	78
35	Clinical features of acute aortic dissection from the Registry of Aortic Dissection in China. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 2995-3000	1.5	78
34	Transcatheter versus surgical closure of perimembranous ventricular septal defects in children: a randomized controlled trial. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1159-1168	15.1	71
33	Berberine Attenuates Myocardial Ischemia/Reperfusion Injury by Reducing Oxidative Stress and Inflammation Response: Role of Silent Information Regulator 1. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 1689602	6.7	69
32	New role of JAK2/STAT3 signaling in endothelial cell oxidative stress injury and protective effect of melatonin. <i>PLoS ONE</i> , <b>2013</b> , 8, e57941	3.7	57
31	Melatonin reduces PERK-eIF2 $\beta$ ATF4-mediated endoplasmic reticulum stress during myocardial ischemia-reperfusion injury: role of RISK and SAFE pathways interaction. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2016</b> , 21, 809-24	5.4	55
30	Honokiol Ameliorates Myocardial Ischemia/Reperfusion Injury in Type 1 Diabetic Rats by Reducing Oxidative Stress and Apoptosis through Activating the SIRT1-Nrf2 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 3159801	6.7	49
29	Tetrahydrocurcumin Ameliorates Diabetic Cardiomyopathy by Attenuating High Glucose-Induced Oxidative Stress and Fibrosis via Activating the SIRT1 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 6746907	6.7	47
28	Silybin-mediated inhibition of Notch signaling exerts antitumor activity in human hepatocellular carcinoma cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e83699	3.7	43
27	Melatonin protects against the pathological cardiac hypertrophy induced by transverse aortic constriction through activating PGC-1 $\alpha$ In vivo and in vitro studies. <i>Journal of Pineal Research</i> , <b>2017</b> , 63, e12433	10.4	38
26	Pterostilbene exerts an anti-inflammatory effect via regulating endoplasmic reticulum stress in endothelial cells. <i>Cytokine</i> , <b>2016</b> , 77, 88-97	4	26

25	C1q-TNF-related protein-3 attenuates pressure overload-induced cardiac hypertrophy by suppressing the p38/CREB pathway and p38-induced ER stress. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 520	9.8	21
24	Cardiac stem cell transplantation with 2,3,5,4-tetrahydroxystilbene-2-O-β-D-glucoside improves cardiac function in rat myocardial infarction model. <i>Life Sciences</i> , <b>2016</b> , 158, 37-45	6.8	14
23	Melatonin protects against thoracic aortic aneurysm and dissection through SIRT1-dependent regulation of oxidative stress and vascular smooth muscle cell loss. <i>Journal of Pineal Research</i> , <b>2020</b> , 69, e12661	10.4	12
22	A feasibility study of total endovascular aortic arch replacement: From stent-graft design to preclinical testing. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 1203-12	1.5	12
21	GPER inhibits diabetes-mediated RhoA activation to prevent vascular endothelial dysfunction. <i>European Journal of Cell Biology</i> , <b>2016</b> , 95, 100-13	6.1	10
20	The role of SARS-CoV-2 target ACE2 in cardiovascular diseases. <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> , 25, 1342-1349	5.6	7
19	Melatonin suppresses ER stress-dependent proapoptotic effects via AMPK in bone mesenchymal stem cells during mitochondrial oxidative damage. <i>Stem Cell Research and Therapy</i> , <b>2020</b> , 11, 442	8.3	6
18	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. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2019</b> , 28, 262-269	1.8	5
17	Identification of CTA-Based Predictive Findings for Temporary and Permanent Neurological Dysfunction after Repair in Acute Type A Aortic Dissection. <i>Scientific Reports</i> , <b>2018</b> , 8, 9740	4.9	4
16	GDF11 prevents the formation of thoracic aortic dissection in mice: Promotion of contractile transition of aortic SMCs. <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> , 25, 4623-4636	5.6	4
15	Study on active components of mulberry leaf for the prevention and treatment of cardiovascular complications of diabetes. <i>Journal of Functional Foods</i> , <b>2021</b> , 83, 104549	5.1	4
14	The roles of nanocarriers on pigment epithelium-derived factor in the differentiation of human cardiac stem cells. <i>Cell and Tissue Research</i> , <b>2015</b> , 362, 611-21	4.2	3
13	Novel PGC-1/ATF5 Axis Partly Activates UPR and Mediates Cardioprotective Role of Tetrahydrocurcumin in Pathological Cardiac Hypertrophy. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 9187065	6.7	3
12	Reply to the Editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 149, 1682	1.5	2
11	Combined CT angiography of the aorta and craniocervical artery: a new imaging protocol for assessment of acute type A aortic dissection. <i>Journal of Thoracic Disease</i> , <b>2017</b> , 9, 4733-4742	2.6	1
10	Effectiveness of a novel, completely biomaterial valved pulmonary arterial conduit: An study. <i>Experimental and Therapeutic Medicine</i> , <b>2020</b> , 20, 1935-1942	2.1	1
9	Preoperative Imaging Risk Findings for Postoperative New Stroke in Patients With Acute Type A Aortic Dissection. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 602610	5.4	1
8	Sex Differences of Clinical Presentation and Outcomes in Propensity-Matched Patients with Acute Type A Aortic Dissection. <i>Heart Surgery Forum</i> , <b>2021</b> , 24, E311-E316	0.7	1

7	Evaluating the monogenic contribution and genotype-phenotype correlation in patients with isolated thoracic aortic aneurysm. <i>European Journal of Human Genetics</i> , <b>2021</b> , 29, 1129-1138	5.3	1
6	Genetic testing and clinical relevance of patients with thoracic aortic aneurysm and dissection in northwestern China. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2021</b> , 9, e1800	2.3	1
5	circ_0023461 Silencing Protects Cardiomyocytes from Hypoxia-Induced Dysfunction through Targeting miR-370-3p/PDE4D Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 8379962	6.7	1
4	Serum Myoglobin Is Associated With Postoperative Acute Kidney Injury in Stanford Type A Aortic Dissection.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 821418	4.9	1
3	The Construction of a Risk Prediction Model Based on Neural Network for Pre-operative Acute Ischemic Stroke in Acute Type A Aortic Dissection Patients.. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 792678	4.1	0
2	G Protein-Coupled Estrogen Receptor 30 Reduces Transverse Aortic Constriction-Induced Myocardial Fibrosis in Aged Female Mice by Inhibiting the ERK1/2 -MMP-9 Signaling Pathway. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 731609	5.6	0
1	A De Novo sSMC (22) Characterized by High-Resolution Chromosome Microarray Analysis in a Chinese Boy with Cat-Eye Syndrome. <i>Case Reports in Genetics</i> , <b>2021</b> , 2021, 8824184	0.7	