Biao Xu

List of Publications by Year
in descending order

67 papers	2,454 citations	279798 23 h-index	223800 46 g-index
69 all docs	69 docs citations	69 times ranked	3798 citing authors

#	Article	IF	Citations
1	Mesenchymal stromal cell-derived exosomes attenuate myocardial ischaemia-reperfusion injury through miR-182-regulated macrophage polarization. Cardiovascular Research, 2019, 115, 1205-1216.	3.8	469
2	Safety and efficacy of anti-PCSK9 antibodies: a meta-analysis of 25 randomized, controlled trials. BMC Medicine, 2015, 13, 123.	5.5	200
3	miRNA-181a over-expression in mesenchymal stem cell-derived exosomes influenced inflammatory response after myocardial ischemia-reperfusion injury. Life Sciences, 2019, 232, 116632.	4.3	132
4	Resveratrol ameliorates myocardial fibrosis by inhibiting ROS/ERK/TGF-Î²/periostin pathway in STZ-induced diabetic mice. BMC Cardiovascular Disorders, 2016, 16, 5.	1.7	101
5	Cardiovascular Safety, Longâ€Term Noncardiovascular Safety, and Efficacy of Sodiumâ€“Glucose Cotransporter 2 Inhibitors in Patients With Type 2 Diabetes Mellitus: A Systemic Review and Metaâ€Analysis With Trial Sequential Analysis. Journal of the American Heart Association, 2018, 7, .	3.7	94
6	Intravenous mesenchymal stem cell-derived exosomes ameliorate myocardial inflammation in the dilated cardiomyopathy. Biochemical and Biophysical Research Communications, 2018, 503, 2611-2618.	2.1	93
7	Overexpression of micro<scp>RNA</scp>â€99a attenuates heart remodelling and improves cardiac performance after myocardial infarction. Journal of Cellular and Molecular Medicine, 2014, 18, 919-928.	3.6	82
8	Increased Expression of Integrin-Linked Kinase Attenuates Left Ventricular Remodeling and Improves Cardiac Function After Myocardial Infarction. Circulation, 2009, 120, 764-773.	1.6	75
9	Mononuclear phagocyte system blockade using extracellular vesicles modified with CD47 on membrane surface for myocardial infarction reperfusion injury treatment. Biomaterials, 2021, 275, 121000.	11.4	74
10	PM2.5 promotes plaque vulnerability at different stages of atherosclerosis and the formation of foam cells via TLR4/MyD88/NFÎºB pathway. Ecotoxicology and Environmental Safety, 2019, 176, 76-84.	6.0	57
11	Inhibition of human endothelial cell nitric oxide synthesis by advanced glycation end-products but not glucose: relevance to diabetes. Clinical Science, 2005, 109, 439-446.	4.3	53
12	Recombinant human erythropoietin pretreatment attenuates myocardial infarct size: a possible mechanism involves heat shock Protein 70 and attenuation of nuclear factor-kappaB. Annals of Clinical and Laboratory Science, 2005, 35, 161-8.	0.2	52
13	Periostin expression induced by oxidative stress contributes to myocardial fibrosis in a rat model of high salt-induced hypertension. Molecular Medicine Reports, 2016, 14, 776-782.	2.4	45
14	Spatial/Frontal QRS-T Angle Predicts All-Cause Mortality and Cardiac Mortality: A Meta-Analysis. PLoS ONE, 2015, 10, e0136174.	2.5	42
15	Exposure to particulate matter induces cardiomyocytes apoptosis after myocardial infarction through NFÎºB activation. Biochemical and Biophysical Research Communications, 2017, 488, 224-231.	2.1	38
16	Liraglutide induces beige fat development and promotes mitochondrial function in diet induced obesity mice partially through AMPK-SIRT-1-PGC1-Î± cell signaling pathway. Endocrine, 2019, 64, 271-283.	2.3	37
17	Premature senescence of cardiac fibroblasts and atrial fibrosis in patients with atrial fibrillation. Oncotarget, 2017, 8, 57981-57990.	1.8	36
18	Off-Label Under- and Overdosing of Direct Oral Anticoagulants in Patients With Atrial Fibrillation: A Meta-Analysis. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007971.	2.2	36

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19	Mesenchymal stem cells overexpressing integrin-linked kinase attenuate left ventricular remodeling and improve cardiac function after myocardial infarction. Molecular and Cellular Biochemistry, 2014, 397, 203-214.	3.1	35
20	High Mobility Group Box-1: A Missing Link between Diabetes and Its Complications. Mediators of Inflammation, 2016, 2016, 1-11.	3.0	35
21	Intracoronary Transplantation of Mesenchymal Stem Cells with Overexpressed Integrin-Linked Kinase Improves Cardiac Function in Porcine Myocardial Infarction. Scientific Reports, 2016, 6, 19155.	3.3	32
22	Long nonâ€coding RNA MEG3 knockdown attenuates endoplasmic reticulum stressâ€mediated apoptosis by targeting p53 following myocardial infarction. Journal of Cellular and Molecular Medicine, 2019, 23, 8369-8380.	3.6	28
23	Mesenchymal stem cells overexpressing integrin-linked kinase attenuate cardiac fibroblast proliferation and collagen synthesis through paracrine actions. Molecular Medicine Reports, 2013, 7, 1617-1623.	2.4	27
24	Diabetes-Induced Oxidative Stress in Endothelial Progenitor Cells May Be Sustained by a Positive Feedback Loop Involving High Mobility Group Box-1. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	4.0	26
25	Intravenously delivered mesenchymal stem cells prevent microvascular obstruction formation after myocardial ischemia/reperfusion injury. Basic Research in Cardiology, 2020, 115, 40.	5.9	25
26	Comparative Efficacy and Safety of Everolimus-Eluting Bioresorbable Scaffold Versus Everolimus-Eluting Metallic Stents. Annals of Internal Medicine, 2016, 164, 752.	3.9	23
27	Percutaneous intervention versus coronary artery bypass graft surgery in left main coronary artery stenosis: a systematic review and meta-analysis. BMC Medicine, 2017, 15, 84.	5.5	23
28	Human trophoblast-derived exosomes attenuate doxorubicin-induced cardiac injury by regulating miR-200b and downstream Zeb1. Journal of Nanobiotechnology, 2020, 18, 171.	9.1	23
29	Cardiac repair in a mouse model of acute myocardial infarction with trophoblast stem cells. Scientific Reports, 2017, 7, 44376.	3.3	21
30	Identification of the potential therapeutic target gene UBE2C in human hepatocellular carcinoma: An investigation based on GEO and TCGA databases. Oncology Letters, 2019, 17, 5409-5418.	1.8	21
31	Renal denervation restrains the inflammatory response in myocardial ischemiaâ€“reperfusion injury. Basic Research in Cardiology, 2020, 115, 15.	5.9	21
32	Empagliflozin prevents from early cardiac injury post myocardial infarction in non-diabetic mice. European Journal of Pharmaceutical Sciences, 2021, 161, 105788.	4.0	21
33	Reduced HMGB 1-Mediated Pathway and Oxidative Stress in Resveratrol-Treated Diabetic Mice: A Possible Mechanism of Cardioprotection of Resveratrol in Diabetes Mellitus. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	20
34	Clinical significance of germline copy number variation in susceptibility of human diseases. Journal of Genetics and Genomics, 2018, 45, 3-12.	3.9	20
35	HMGB1â€Promoted Neutrophil Extracellular Traps Contribute to Cardiac Diastolic Dysfunction in Mice. Journal of the American Heart Association, 2022, 11, e023800.	3.7	20
36	Head-to-Head Comparison of Sirolimus-Eluting Stents versus Paclitaxel-Eluting Stents in Patients Undergoing Percutaneous Coronary Intervention: A Meta-Analysis of 76 Studies. PLoS ONE, 2014, 9, e97934.	2.5	19

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37	Empagliflozin Alleviates Atherosclerosis Progression by Inhibiting Inflammation and Sympathetic Activity in a Normoglycemic Mouse Model. Journal of Inflammation Research, 2021, Volume 14, 2277-2287.	3.5	17
38	M2-like macrophages transplantation protects against the doxorubicin-induced heart failure via mitochondrial transfer. Biomaterials Research, 2022, 26, 14.	6.9	17
39	Prognostic Significance of Frontal QRS-T Angle in Patients with Idiopathic Dilated Cardiomyopathy. Chinese Medical Journal, 2016, 129, 1904-1911.	2.3	16
40	Colchicine Ameliorates Dilated Cardiomyopathy Via SIRT2â€Mediated Suppression of NLRP3 Inflammasome Activation. Journal of the American Heart Association, 2022, 11, .	3.7	15
41	Sca-1+ Cardiac Progenitor Cell Therapy With Cells Overexpressing Integrin-Linked Kinase Improves Cardiac Function After Myocardial Infarction. Transplantation, 2013, 95, 1187-1196.	1.0	14
42	Comparison of Percutaneous Coronary Intervention Versus Coronary Artery Bypass Graft in Aged Patients With Unprotected Left Main Artery Lesions. International Heart Journal, 2016, 57, 682-688.	1.0	14
43	Syndecan-4 deficiency accelerates the transition from compensated hypertrophy to heart failure following pressure overload. Cardiovascular Pathology, 2017, 28, 74-79.	1.6	14
44	Antiâ€inflammatory mechanisms and research progress of colchicine in atherosclerotic therapy. Journal of Cellular and Molecular Medicine, 2021, 25, 8087-8094.	3.6	14
45	Syndecan-4 shedding impairs macrovascular angiogenesis in diabetes mellitus. Biochemical and Biophysical Research Communications, 2016, 474, 15-21.	2.1	13
46	Advanced Glycation Endproducts Impair Endothelial Progenitor Cell Migration and Homing via Syndecan 4 Shedding. Stem Cells, 2017, 35, 522-531.	3.2	13
47	Resveratrol Improves Tube Formation in AGE-Induced Late Endothelial Progenitor Cells by Suppressing Syndecan-4 Shedding. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	4.0	13
48	Meta-Analysis Comparing Results of Transcatheter Versus Surgical Aortic-Valve Replacement in Patients With Severe Aortic Stenosis. American Journal of Cardiology, 2020, 125, 449-458.	1.6	13
49	AMPKâ€mediated degradation of Nav1.5 through autophagy. FASEB Journal, 2019, 33, 5366-5376.	0.5	12
50	Mid- and Long-Term Outcome Comparisons of Everolimus-Eluting Bioresorbable Scaffolds Versus Everolimus-Eluting Metallic Stents. Annals of Internal Medicine, 2017, 167, 642.	3.9	11
51	Long-term and Temporal Outcomes of Transcatheter Versus Surgical Aortic-valve Replacement in Severe Aortic Stenosis. Annals of Surgery, 2021, 273, 459-466.	4.2	11
52	Syndecan-4 Signaling Is Required for Exercise-Induced Cardiac Hypertrophy. Molecular Medicine, 2016, 22, 192-201.	4.4	10
53	Amlodipine Ameliorates Ischemia-Induced Neovascularization in Diabetic Rats through Endothelial Progenitor Cell Mobilization. BioMed Research International, 2016, 2016, 1-13.	1.9	10
54	Syndecan-4 regulates the bFGF-induced chemotactic migration of endothelial cells. Journal of Molecular Histology, 2016, 47, 503-509.	2.2	10

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55	Association Between Baseline, Achieved, and Reduction of CRP and Cardiovascular Outcomes After LDL Cholesterol Lowering with Statins or Ezetimibe: A Systematic Review and Metaâ€Analysis. Journal of the American Heart Association, 2019, 8, e012428.	3.7	10
56	Differential contribution of the two waves of cardiac progenitors and their derivatives to aorta and pulmonary artery. Developmental Biology, 2019, 450, 82-89.	2.0	10
57	Trimethylamine N-Oxide Promotes Abdominal Aortic Aneurysm Formation by Aggravating Aortic Smooth Muscle Cell Senescence in Mice. Journal of Cardiovascular Translational Research, 2022, 15, 1064-1074.	2.4	10
58	Percutaneous closure versus medical therapy for stroke with patent foramen Ovale: a systematic review and meta-analysis. BMC Cardiovascular Disorders, 2018, 18, 45.	1.7	9
59	Next-generation sequencing identifies pathogenic and modifier mutations in a consanguineous Chinese family with hypertrophic cardiomyopathy. Medicine (United States), 2017, 96, e7010.	1.0	6
60	Immediate Intracoronary Delivery of Human Umbilical Cord Mesenchymal Stem Cells Reduces Myocardial Injury by Regulating the Inflammatory Process Through Cell-Cell Contact with T Lymphocytes. Stem Cells and Development, 2020, 29, 1331-1345.	2.1	4
61	A reduction in the vascular smooth muscle cell focal adhesion component syndecanâ€4 is associated with abdominal aortic aneurysm formation. Clinical and Translational Medicine, 2021, 11, e605.	4.0	4
62	Jaw reconstruction with vascularized fibular flap: The 11-year experience among 104 patients. World Journal of Surgical Oncology, 2020, 18, 46.	1.9	3
63	Head-to-head comparison of everolimus-eluting stents versus zotarolimus-eluting stents in patients undergoing percutaneous coronary intervention: A meta-analysis. International Journal of Cardiology, 2014, 172, e203-e206.	1.7	2
64	Response to the Comment on â€œLong-term and Temporal Outcomes of Transcatheter Versus Surgical Aortic-valve Replacement in Severe Aortic Stenosis: A Meta-analysisâ€• Annals of Surgery, 2021, 274, e837-e838.	4.2	1
65	Everolimus-Eluting Bioresorbable Scaffold Versus Everolimus-Eluting Metallic Stents. Annals of Internal Medicine, 2016, 165, 829.	3.9	0
66	Transcatheter Aortic Valve Implantation Versus Surgical Aortic Valve Replacement. Annals of Internal Medicine, 2017, 166, 605.	3.9	0
67	Response by Zhang et al Regarding Article â€œOff-Label Under- and Overdosing of Direct Oral Anticoagulants in Patients With Atrial Fibrillation: A Meta-Analysisâ€• Circulation: Cardiovascular Quality and Outcomes, 2022, , 101161CIRCOUTCOMES122009065.	2.2	0