

Biao Xu

List of Publications by Year in descending order

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67
papers

2,454
citations

279487

23
h-index

223531

46
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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. <i>Cardiovascular Research</i> , 2019, 115, 1205-1216.	1.8	469
2	Safety and efficacy of anti-PCSK9 antibodies: a meta-analysis of 25 randomized, controlled trials. <i>BMC Medicine</i> , 2015, 13, 123.	2.3	200
3	miRNA-181a over-expression in mesenchymal stem cell-derived exosomes influenced inflammatory response after myocardial ischemia-reperfusion injury. <i>Life Sciences</i> , 2019, 232, 116632.	2.0	132
4	Resveratrol ameliorates myocardial fibrosis by inhibiting ROS/ERK/TGF- β ² /periostin pathway in STZ-induced diabetic mice. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 5.	0.7	101
5	Cardiovascular Safety, Long-Term Noncardiovascular Safety, and Efficacy of Sodium-Glucose Cotransporter 2 Inhibitors in Patients With Type 2 Diabetes Mellitus: A Systemic Review and Meta-Analysis With Trial Sequential Analysis. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	94
6	Intravenous mesenchymal stem cell-derived exosomes ameliorate myocardial inflammation in the dilated cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2611-2618.	1.0	93
7	Overexpression of microRNA-99a attenuates heart remodelling and improves cardiac performance after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 919-928.	1.6	82
8	Increased Expression of Integrin-Linked Kinase Attenuates Left Ventricular Remodeling and Improves Cardiac Function After Myocardial Infarction. <i>Circulation</i> , 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. <i>Biomaterials</i> , 2021, 275, 121000.	5.7	74
10	PM2.5 promotes plaque vulnerability at different stages of atherosclerosis and the formation of foam cells via TLR4/MyD88/NF- κ B pathway. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 76-84.	2.9	57
11	Inhibition of human endothelial cell nitric oxide synthesis by advanced glycation end-products but not glucose: relevance to diabetes. <i>Clinical Science</i> , 2005, 109, 439-446.	1.8	53
12	Recombinant human erythropoietin pretreatment attenuates myocardial infarct size: a possible mechanism involves heat shock Protein 70 and attenuation of nuclear factor- κ B. <i>Annals of Clinical and Laboratory Science</i> , 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. <i>Molecular Medicine Reports</i> , 2016, 14, 776-782.	1.1	45
14	Spatial/Frontal QRS-T Angle Predicts All-Cause Mortality and Cardiac Mortality: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0136174.	1.1	42
15	Exposure to particulate matter induces cardiomyocytes apoptosis after myocardial infarction through NF- κ B activation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 224-231.	1.0	38
16	Liraglutide induces beige fat development and promotes mitochondrial function in diet induced obesity mice partially through AMPK-SIRT-1-PGC1- β cell signaling pathway. <i>Endocrine</i> , 2019, 64, 271-283.	1.1	37
17	Premature senescence of cardiac fibroblasts and atrial fibrosis in patients with atrial fibrillation. <i>Oncotarget</i> , 2017, 8, 57981-57990.	0.8	36
18	Off-Label Under- and Overdosing of Direct Oral Anticoagulants in Patients With Atrial Fibrillation: A Meta-Analysis. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2021, 14, e007971.	0.9	36

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19	Mesenchymal stem cells overexpressing integrin-linked kinase attenuate left ventricular remodeling and improve cardiac function after myocardial infarction. <i>Molecular and Cellular Biochemistry</i> , 2014, 397, 203-214.	1.4	35
20	High Mobility Group Box-1: A Missing Link between Diabetes and Its Complications. <i>Mediators of Inflammation</i> , 2016, 2016, 1-11.	1.4	35
21	Intracoronary Transplantation of Mesenchymal Stem Cells with Overexpressed Integrin-Linked Kinase Improves Cardiac Function in Porcine Myocardial Infarction. <i>Scientific Reports</i> , 2016, 6, 19155.	1.6	32
22	Long non-coding RNA MEG3 knockdown attenuates endoplasmic reticulum stress-mediated apoptosis by targeting p53 following myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 8369-8380.	1.6	28
23	Mesenchymal stem cells overexpressing integrin-linked kinase attenuate cardiac fibroblast proliferation and collagen synthesis through paracrine actions. <i>Molecular Medicine Reports</i> , 2013, 7, 1617-1623.	1.1	27
24	Diabetes-Induced Oxidative Stress in Endothelial Progenitor Cells May Be Sustained by a Positive Feedback Loop Involving High Mobility Group Box-1. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-9.	1.9	26
25	Intravenously delivered mesenchymal stem cells prevent microvascular obstruction formation after myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2020, 115, 40.	2.5	25
26	Comparative Efficacy and Safety of Everolimus-Eluting Bioresorbable Scaffold Versus Everolimus-Eluting Metallic Stents. <i>Annals of Internal Medicine</i> , 2016, 164, 752.	2.0	23
27	Percutaneous intervention versus coronary artery bypass graft surgery in left main coronary artery stenosis: a systematic review and meta-analysis. <i>BMC Medicine</i> , 2017, 15, 84.	2.3	23
28	Human trophoblast-derived exosomes attenuate doxorubicin-induced cardiac injury by regulating miR-200b and downstream Zeb1. <i>Journal of Nanobiotechnology</i> , 2020, 18, 171.	4.2	23
29	Cardiac repair in a mouse model of acute myocardial infarction with trophoblast stem cells. <i>Scientific Reports</i> , 2017, 7, 44376.	1.6	21
30	Identification of the potential therapeutic target gene UBE2C in human hepatocellular carcinoma: An investigation based on GEO and TCGA databases. <i>Oncology Letters</i> , 2019, 17, 5409-5418.	0.8	21
31	Renal denervation restrains the inflammatory response in myocardial ischemia-reperfusion injury. <i>Basic Research in Cardiology</i> , 2020, 115, 15.	2.5	21
32	Empagliflozin prevents from early cardiac injury post myocardial infarction in non-diabetic mice. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 161, 105788.	1.9	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. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	20
34	Clinical significance of germline copy number variation in susceptibility of human diseases. <i>Journal of Genetics and Genomics</i> , 2018, 45, 3-12.	1.7	20
35	HMGB1-Promoted Neutrophil Extracellular Traps Contribute to Cardiac Diastolic Dysfunction in Mice. <i>Journal of the American Heart Association</i> , 2022, 11, e023800.	1.6	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. <i>PLoS ONE</i> , 2014, 9, e97934.	1.1	19

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37	Empagliflozin Alleviates Atherosclerosis Progression by Inhibiting Inflammation and Sympathetic Activity in a Normoglycemic Mouse Model. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2277-2287.	1.6	17
38	M2-like macrophages transplantation protects against the doxorubicin-induced heart failure via mitochondrial transfer. <i>Biomaterials Research</i> , 2022, 26, 14.	3.2	17
39	Prognostic Significance of Frontal QRS-T Angle in Patients with Idiopathic Dilated Cardiomyopathy. <i>Chinese Medical Journal</i> , 2016, 129, 1904-1911.	0.9	16
40	Colchicine Ameliorates Dilated Cardiomyopathy Via SIRT2-Mediated Suppression of NLRP3 Inflammasome Activation. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	15
41	Sca-1+ Cardiac Progenitor Cell Therapy With Cells Overexpressing Integrin-Linked Kinase Improves Cardiac Function After Myocardial Infarction. <i>Transplantation</i> , 2013, 95, 1187-1196.	0.5	14
42	Comparison of Percutaneous Coronary Intervention Versus Coronary Artery Bypass Graft in Aged Patients With Unprotected Left Main Artery Lesions. <i>International Heart Journal</i> , 2016, 57, 682-688.	0.5	14
43	Syndecan-4 deficiency accelerates the transition from compensated hypertrophy to heart failure following pressure overload. <i>Cardiovascular Pathology</i> , 2017, 28, 74-79.	0.7	14
44	Anti-inflammatory mechanisms and research progress of colchicine in atherosclerotic therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8087-8094.	1.6	14
45	Syndecan-4 shedding impairs macrovascular angiogenesis in diabetes mellitus. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 15-21.	1.0	13
46	Advanced Glycation Endproducts Impair Endothelial Progenitor Cell Migration and Homing via Syndecan 4 Shedding. <i>Stem Cells</i> , 2017, 35, 522-531.	1.4	13
47	Resveratrol Improves Tube Formation in AGE-Induced Late Endothelial Progenitor Cells by Suppressing Syndecan-4 Shedding. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	13
48	Meta-Analysis Comparing Results of Transcatheter Versus Surgical Aortic-Valve Replacement in Patients With Severe Aortic Stenosis. <i>American Journal of Cardiology</i> , 2020, 125, 449-458.	0.7	13
49	AMPK-mediated degradation of Nav1.5 through autophagy. <i>FASEB Journal</i> , 2019, 33, 5366-5376.	0.2	12
50	Mid- and Long-Term Outcome Comparisons of Everolimus-Eluting Bioresorbable Scaffolds Versus Everolimus-Eluting Metallic Stents. <i>Annals of Internal Medicine</i> , 2017, 167, 642.	2.0	11
51	Long-term and Temporal Outcomes of Transcatheter Versus Surgical Aortic-valve Replacement in Severe Aortic Stenosis. <i>Annals of Surgery</i> , 2021, 273, 459-466.	2.1	11
52	Syndecan-4 Signaling Is Required for Exercise-Induced Cardiac Hypertrophy. <i>Molecular Medicine</i> , 2016, 22, 192-201.	1.9	10
53	Amlodipine Ameliorates Ischemia-Induced Neovascularization in Diabetic Rats through Endothelial Progenitor Cell Mobilization. <i>BioMed Research International</i> , 2016, 2016, 1-13.	0.9	10
54	Syndecan-4 regulates the bFGF-induced chemotactic migration of endothelial cells. <i>Journal of Molecular Histology</i> , 2016, 47, 503-509.	1.0	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 Meta-Analysis. <i>Journal of the American Heart Association</i> , 2019, 8, e012428.	1.6	10
56	Differential contribution of the two waves of cardiac progenitors and their derivatives to aorta and pulmonary artery. <i>Developmental Biology</i> , 2019, 450, 82-89.	0.9	10
57	Trimethylamine N-Oxide Promotes Abdominal Aortic Aneurysm Formation by Aggravating Aortic Smooth Muscle Cell Senescence in Mice. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 1064-1074.	1.1	10
58	Percutaneous closure versus medical therapy for stroke with patent foramen Ovale: a systematic review and meta-analysis. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 45.	0.7	9
59	Next-generation sequencing identifies pathogenic and modifier mutations in a consanguineous Chinese family with hypertrophic cardiomyopathy. <i>Medicine (United States)</i> , 2017, 96, e7010.	0.4	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. <i>Stem Cells and Development</i> , 2020, 29, 1331-1345.	1.1	4
61	A reduction in the vascular smooth muscle cell focal adhesion component syndecan-4 is associated with abdominal aortic aneurysm formation. <i>Clinical and Translational Medicine</i> , 2021, 11, e605.	1.7	4
62	Jaw reconstruction with vascularized fibular flap: The 11-year experience among 104 patients. <i>World Journal of Surgical Oncology</i> , 2020, 18, 46.	0.8	3
63	Head-to-head comparison of everolimus-eluting stents versus zotarolimus-eluting stents in patients undergoing percutaneous coronary intervention: A meta-analysis. <i>International Journal of Cardiology</i> , 2014, 172, e203-e206.	0.8	2
64	Response to the Comment on "Long-term and Temporal Outcomes of Transcatheter Versus Surgical Aortic-valve Replacement in Severe Aortic Stenosis: A Meta-analysis". <i>Annals of Surgery</i> , 2021, 274, e837-e838.	2.1	1
65	Everolimus-Eluting Bioresorbable Scaffold Versus Everolimus-Eluting Metallic Stents. <i>Annals of Internal Medicine</i> , 2016, 165, 829.	2.0	0
66	Transcatheter Aortic Valve Implantation Versus Surgical Aortic Valve Replacement. <i>Annals of Internal Medicine</i> , 2017, 166, 605.	2.0	0
67	Response by Zhang et al Regarding Article "Off-Label Under- and Overdosing of Direct Oral Anticoagulants in Patients With Atrial Fibrillation: A Meta-Analysis". <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2022, , 101161CIRCOUTCOMES122009065.	0.9	0