Xiao-Jun Du

List of Publications by Year
in descending order

61	2,372	218677	223800
papers	citations	26 h-index	46 g-index

62	62	62	3732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stretch-induced sarcoplasmic reticulum calcium leak is causatively associated with atrial fibrillation in pressure-overloaded hearts. Cardiovascular Research, 2021, 117, 1091-1102.	3.8	27
2	AMPK upregulates KCa2.3 channels and ameliorates endothelial dysfunction in diet-induced obese mice. Biochemical Pharmacology, 2021, 183, 114337.	4.4	5
3	Activation of Hippo signaling pathway mediates mitochondria dysfunction and dilated cardiomyopathy in mice. Theranostics, 2021, 11, 8993-9008.	10.0	36
4	Sympatho-adrenergic mechanisms in heart failure: new insights into pathophysiology. Medical Review, 2021, 1, 47-77.	1.2	3
5	The Diagnostic and Prognostic Value of Plasma Galectin 3 in HFrEF Related to the Etiology of Heart Failure. Frontiers in Cardiovascular Medicine, 2021, 8, 748875.	2.4	1
6	Gal-3 (Galectin-3) and K _{Ca} 3.1 Mediate Heterogeneous Cell Coupling and Myocardial Fibrogenesis Driven by Î²AR (Î²-Adrenoceptor) Activation. Hypertension, 2020, 75, 393-404.	2.7	16
7	Manipulation of the gut microbiota by the use of prebiotic fibre does not override a genetic predisposition to heart failure. Scientific Reports, 2020, 10, 17919.	3.3	8
8	Cardiac rupture complicating acute myocardial infarction: the clinical features from an observational study and animal experiment. BMC Cardiovascular Disorders, 2020, 20, 409.	1.7	14
9	Cardiac Î²â€adrenergic receptor activation mediates distinct and cell typeâ€dependent changes in the expression and distribution of connexin 43. Journal of Cellular and Molecular Medicine, 2020, 24, 8505-8517.	3.6	16
10	Post-infarct left ventricular thrombosis is mechanistically related to ventricular wall rupture. Medical Hypotheses, 2020, 144, 109938.	1.5	0
11	Association between heart rate variability indices and features of spontaneous ventricular tachyarrhythmias in mice. Clinical and Experimental Pharmacology and Physiology, 2020, 47, 1193-1202.	1.9	5
12	Deficiency of Prebiotic Fiber and Insufficient Signaling Through Gut Metabolite-Sensing Receptors Leads to Cardiovascular Disease. Circulation, 2020, 141, 1393-1403.	1.6	176
13	Oxidative stress induced by palmitic acid modulates KCa2.3 channels in vascular endothelium. Experimental Cell Research, 2019, 383, 111552.	2.6	10
14	K_{Ca}3.1 channel mediates inflammatory signaling of pancreatic Î² cells and progression of type 2 diabetes mellitus. FASEB Journal, 2019, 33, 14760-14771.	0.5	4
15	Relaxin mitigates microvascular damage and inflammation following cardiac ischemiaâ€“reperfusion. Basic Research in Cardiology, 2019, 114, 30.	5.9	28
16	Reply to â€œLetter to the Editor: Not all modified citrus pectins are the same: size does matterâ€. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1234-H1235.	3.2	0
17	Stimulation of Î²â€adrenoceptors upâ€regulates cardiac expression of galectinâ€3 and <scp>BIM</scp> through the <scp>H</scp>ippo signalling pathway. British Journal of Pharmacology, 2019, 176, 2465-2481.	5.4	29
18	Î²â€Adrenoceptor activation affects galectinâ€3 as a biomarker and therapeutic target in heart disease. British Journal of Pharmacology, 2019, 176, 2449-2464.	5.4	20

#	Article	IF	Citations
19	K _{Ca} 3.1 Channels Promote Cardiac Fibrosis Through Mediating Inflammation and Differentiation of Monocytes Into Myofibroblasts in Angiotensin IIâ€“Treated Rats. Journal of the American Heart Association, 2019, 8, e010418.	3.7	28
20	Galectin-3 deficiency ameliorates fibrosis and remodeling in dilated cardiomyopathy mice with enhanced Mst1 signaling. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H45-H60.	3.2	47
21	Post-infarct cardiac injury, protection and repair: roles of non-cardiomyocyte multicellular and acellular components. Science China Life Sciences, 2018, 61, 266-276.	4.9	8
22	Diabetes Reduces Severity of Aortic Aneurysms Depending on the Presence of Cell Division Autoantigen 1 (CDA1). Diabetes, 2018, 67, 755-768.	0.6	17
23	The role and mechanism of KCa3.1 channels in human monocyte migration induced by palmitic acid. Experimental Cell Research, 2018, 369, 208-217.	2.6	16
24	Improving the quality of preclinical research echocardiography: observations, training, and guidelines for measurement. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H58-H70.	3.2	37
25	Age-Related Differential Structural and Transcriptomic Responses in the Hypertensive Heart. Frontiers in Physiology, 2018, 9, 817.	2.8	6
26	Mechanisms responsible for increased circulating levels of galectin-3 in cardiomyopathy and heart failure. Scientific Reports, 2018, 8, 8213.	3.3	42
27	Cardiac Fibrosis and Arrhythmogenesis. , 2017, 7, 1009-1049.		97
28	Microvascular leakage in acute myocardial infarction: characterization by histology, biochemistry, and magnetic resonance imaging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H1068-H1075.	3.2	19
29	Platelet-Targeted Delivery of Peripheral Blood Mononuclear Cells to the Ischemic Heart Restores Cardiac Function after Ischemia-Reperfusion Injury. Theranostics, 2017, 7, 3192-3206.	10.0	36
30	Splenic release of platelets contributes to increased circulating platelet size and inflammation after myocardial infarction. Clinical Science, 2016, 130, 1089-1104.	4.3	20
31	HMGB1 Induces Secretion of Matrix Vesicles by Macrophages to Enhance Ectopic Mineralization. PLoS ONE, 2016, 11, e0156686.	2.5	29
32	Pathological hypertrophy reverses Î² ₂ -adrenergic receptor-induced angiogenesis in mouse heart. Physiological Reports, 2015, 3, e12340.	1.7	4
33	Serial changes of mean platelet volume in relation to Killip Class in patients with acute myocardial infarction and primary percutaneous coronary intervention. Thrombosis Research, 2015, 135, 652-658.	1.7	16
34	Therapeutic targeting of oxidative stress with coenzyme Q10 counteracts exaggerated diabetic cardiomyopathy in a mouse model of diabetes with diminished PI3K(p110Î±) signaling. Free Radical Biology and Medicine, 2015, 87, 137-147.	2.9	63
35	Chronic Administration of the Nitroxyl Donor 1-Nitrosocyclo Hexyl Acetate Limits Left Ventricular Diastolic Dysfunction in a Mouse Model of Diabetes Mellitus In Vivo. Circulation: Heart Failure, 2015, 8, 572-581.	3.9	20
36	Spontaneous ventricular tachyarrhythmias in Î²₂-adrenoceptor transgenic mice in relation to cardiac interstitial fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H946-H957.	3.2	35

#	Article	IF	Citations
37	Abstract 17001: Reconstituted High-density Lipoprotein (CSL-111) Infusion Improves Post-ischemic Heart Function Through Modulating the Acute Inflammatory Response and Angiogenesis. Circulation, 2015, 132, .	1.6	1
38	Interplay of chromatin modifications and non-coding RNAs in the heart. Epigenetics, 2014, 9, 101-112.	2.7	36
39	Differential roles of cardiac and leukocyte derived macrophage migration inhibitory factor in inflammatory responses and cardiac remodelling post myocardial infarction. Journal of Molecular and Cellular Cardiology, 2014, 69, 32-42.	1.9	52
40	Vascular histone deacetylation by pharmacological HDAC inhibition. Genome Research, 2014, 24, 1271-1284.	5.5	79
41	Chromatin modifications remodel cardiac gene expression. Cardiovascular Research, 2014, 103, 7-16.	3.8	55
42	Pro-Inflammatory Role of Platelets in Hypertension-Mediated End-Organ Damage. Cardiovascular Drugs and Therapy, 2013, 27, 485-487.	2.6	4
43	Standardizing a simpler, more sensitive and accurate tail bleeding assay in mice. World Journal of Experimental Medicine, 2012, 2, 30.	1.7	128
44	Cardiovascular effects of relaxin: from basic science to clinical therapy. Nature Reviews Cardiology, 2010, 7, 48-58.	13.7	153
45	Reversal of Cardiac Fibrosis and Related Dysfunction by Relaxin. Annals of the New York Academy of Sciences, 2009, 1160, 278-284.	3.8	24
46	DISTINCT ROLE OF ADRENOCEPTOR SUBTYPES IN CARDIAC ADAPTATION TO CHRONIC PRESSURE OVERLOAD. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 355-360.	1.9	9
47	Cardiac Â1-adrenergic drive in pathological remodelling. Cardiovascular Research, 2007, 77, 452-462.	3.8	69
48	Down-regulation of mitofusin-2 expression in cardiac hypertrophy in vitro and in vivo. Life Sciences, 2007, 80, 2154-2160.	4.3	113
49	Reâ€modelling â€˜hostileâ€™ milieu of diseased myocardium via paracrine function of transplanted cells or relaxin. Journal of Cellular and Molecular Medicine, 2007, 11, 1101-1104.	3.6	7
50	Sex dimorphism in cardiac pathophysiology: Experimental findings, hormonal mechanisms, and molecular mechanisms. , 2006, 111, 434-475.		55
51	Transgenic Î±1A-adrenergic activation limits post-infarct ventricular remodeling and dysfunction and improves survival. Cardiovascular Research, 2006, 71, 735-743.	3.8	63
52	Preserved left ventricular structure and function in mice with cardiac sympathetic hyperinnervation. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1359-H1365.	3.2	25
53	Gender modulates cardiac phenotype development in genetically modified mice. Cardiovascular Research, 2004, 63, 510-519.	3.8	88
54	I_f channel inhibitor ivabradine lowers heart rate in mice with enhanced sympathoadrenergic activities. British Journal of Pharmacology, 2004, 142, 107-112.	5.4	40

#	Article	IF	Citations
55	Genetic Enhancement of Ventricular Contractility Protects against Pressure-Overload-Induced Cardiac Dysfunction. Journal of Molecular and Cellular Cardiology, 2004, 37, 979-987.	1.9	47
56	Adverse effects of constitutively active Î±1B-adrenergic receptors after pressure overload in mouse hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1079-H1086.	3.2	49
57	Preserved ventricular contractility in infarcted mouse heart overexpressing Î²₂-adrenergic receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2456-H2463.	3.2	31
58	Î² ₂ -Adrenergic Receptor Overexpression Exacerbates Development of Heart Failure After Aortic Stenosis. Circulation, 2000, 101, 71-77.	1.6	130
59	Reduced Myocardial Nerve Growth Factor Expression in Human and Experimental Heart Failure. Circulation Research, 2000, 86, E80-4.	4.5	111
60	Sympatholytic Action of Intravenous Amiodarone in the Rat Heart. Circulation, 1995, 91, 462-470.	1.6	61
61	Effects of presynaptic Î±-adrenoceptors and neuronal reuptake on noradrenaline overflow and cardiac response. European Journal of Pharmacology, 1992, 211, 221-226.	3.5	4