Xiongwen Chen

List of Publications by Year in Descending Order

97 papers	5,824 citations	42 h-index	75 g-index
114 ext. papers	6,754 ext. citations	9 avg, IF	5.12 L-index

#	Paper	IF	Citations
97	Research on the Expression and Regulatory Mechanism of Breast Cancer Susceptibility Gene-1 on Cell of Skin Cancer in Different Classification. *Journal of Biomaterials and Tissue Engineering*, **2021**, 11, 756-760	0.3	
96	Interaction of the Joining Region in Junctophilin-2 With the L-Type Ca Channel Is Pivotal for Cardiac Dyad Assembly and Intracellular Ca Dynamics. *Circulation Research*, **2021**, 128, 92-114	15.7	19
95	miR-301a-PTEN-AKT Signaling Induces Cardiomyocyte Proliferation and Promotes Cardiac Repair Post-MI. *Molecular Therapy - Nucleic Acids*, **2020**, 22, 251-262	10.7	7
94	Protein Kinase Inhibitor Peptide as a Tool to Specifically Inhibit Protein Kinase A. *Frontiers in Physiology*, **2020**, 11, 574030	4.6	12
93	A low voltage activated Ca current found in a subset of human ventricular myocytes. *Channels*, **2020**, 14, 231-245	3	0
92	Bazedoxifene Regulates Th17 Immune Response to Ameliorate Experimental Autoimmune myocarditis via Inhibition of STAT3 Activation. *Frontiers in Pharmacology*, **2020**, 11, 613160	5.6	1
91	Cardiomyocyte PKA Ablation Enhances Basal Contractility While Eliminates Cardiac β-Adrenergic Response Without Adverse Effects on the Heart. *Circulation Research*, **2019**, 124, 1760-1777	15.7	21
90	Fatty Acid Oxidation Promotes Cardiomyocyte Proliferation Rate but Does Not Change Cardiomyocyte Number in Infant Mice. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 42	5.7	17
89	Hepatic PKA inhibition accelerates the lipid accumulation in liver. *Nutrition and Metabolism*, **2019**, 16, 69	4.6	1
88	Increasing T-type calcium channel activity by β-adrenergic stimulation contributes to β-adrenergic regulation of heart rates. *Journal of Physiology*, **2018**, 596, 1137-1151	3.9	10
87	A novel porcupine inhibitor blocks WNT pathways and attenuates cardiac hypertrophy. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 3459-3467	6.9	24
86	Gastrin Protects Against Myocardial Ischemia/Reperfusion Injury via Activation of RISK (Reperfusion Injury Salvage Kinase) and SAFE (Survivor Activating Factor Enhancement) Pathways. *Journal of the American Heart Association*, **2018**, 7,	6	20
85	A cellular mechanism of muscle memory facilitates mitochondrial remodelling following resistance training. *Journal of Physiology*, **2018**, 596, 4413-4426	3.9	29
84	Preclinical cardiovascular changes in children with obesity: A real-time 3-dimensional speckle tracking imaging study. *PLoS ONE*, **2018**, 13, e0205177	3.7	6
83	Syngeneic AAV Pseudo-particles Potentiate Gene Transduction of AAV Vectors. *Molecular Therapy - Methods and Clinical Development*, **2017**, 4, 149-158	6.4	6
82	Neonatal Transplantation Confers Maturation of PSC-Derived Cardiomyocytes Conducive to Modeling Cardiomyopathy. *Cell Reports*, **2017**, 18, 571-582	10.6	63
81	Caveolae-localized L-type Ca2+ channels do not contribute to function or hypertrophic signalling in the mouse heart. *Cardiovascular Research*, **2017**, 113, 749-759	9.9	17

80	The mitochondrial Na/Ca exchanger is essential for Ca homeostasis and viability. *Nature*, **2017**, 545, 93-97	30.4	203
79	Dedifferentiation, Proliferation, and Redifferentiation of Adult Mammalian Cardiomyocytes After Ischemic Injury. *Circulation*, **2017**, 136, 834-848	16.7	101
78	Role of STIM1 (Stromal Interaction Molecule 1) in Hypertrophy-Related Contractile Dysfunction. *Circulation Research*, **2017**, 121, 125-136	15.7	27
77	Reduced Myocardial Reserve in Young X-Linked Muscular Dystrophy Mice Diagnosed by Two-Dimensional Strain Analysis Combined with Stress Echocardiography. *Journal of the American Society of Echocardiography*, **2017**, 30, 815-827.e9	5.8	8
76	Analyses of caspase-1-regulated transcriptomes in various tissues lead to identification of novel IL-1, IL-18- and sirtuin-1-independent pathways. *Journal of Hematology and Oncology*, **2017**, 10, 40	22.4	35
75	Therapeutic effect of a novel Wnt pathway inhibitor on cardiac regeneration after myocardial infarction. *Clinical Science*, **2017**, 131, 2919-2932	6.5	38
74	Remodeling of repolarization and arrhythmia susceptibility in a myosin-binding protein C knockout mouse model. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H620-H630	5.2	3
73	Metformin promotes the survival of transplanted cardiosphere-derived cells thereby enhancing their therapeutic effect against myocardial infarction. *Stem Cell Research and Therapy*, **2017**, 8, 17	8.3	10
72	Autophagy Plays an Important Role in Anti-inflammatory Mechanisms Stimulated by Alpha7 Nicotinic Acetylcholine Receptor. *Frontiers in Immunology*, **2017**, 8, 553	8.4	33
71	Combined administration of anisodamine and neostigmine rescued acute lethal crush syndrome through nAChR-dependent JAK2-STAT3 signaling. *Scientific Reports*, **2016**, 6, 37709	4.9	7
70	Cardiac troponin I exacerbates myocardial ischaemia/reperfusion injury by inducing the adhesion of monocytes to vascular endothelial cells via a TLR4/NF-B-dependent pathway. *Clinical Science*, **2016**, 130, 2279-2293	6.5	10
69	A peptide encoded by a transcript annotated as long noncoding RNA enhances SERCA activity in muscle. *Science*, **2016**, 351, 271-5	33.3	439
68	Persistent increases in Ca(2+) influx through Cav1.2 shortens action potential and causes Ca(2+) overload-induced afterdepolarizations and arrhythmias. *Basic Research in Cardiology*, **2016**, 111, 4	11.8	18
67	Circulating lncRNA OTTHUMT00000387022 from monocytes as a novel biomarker for coronary artery disease. *Cardiovascular Research*, **2016**, 112, 714-724	9.9	74
66	Protease-activated receptor 4 deficiency offers cardioprotection after acute ischemia reperfusion injury. *Journal of Molecular and Cellular Cardiology*, **2016**, 90, 21-9	5.8	23
65	Activation of Cannabinoid Receptor 2 Ameliorates DSS-Induced Colitis through Inhibiting NLRP3 Inflammasome in Macrophages. *PLoS ONE*, **2016**, 11, e0155076	3.7	57
64	How to Improve the Survival of Transplanted Mesenchymal Stem Cell in Ischemic Heart?. *Stem Cells International*, **2016**, 2016, 9682757	5	115
63	Targeting HO-1 by Epigallocatechin-3-Gallate Reduces Contrast-Induced Renal Injury via Anti-Oxidative Stress and Anti-Inflammation Pathways. *PLoS ONE*, **2016**, 11, e0149032	3.7	66

62	Crucial Role of miR-433 in Regulating Cardiac Fibrosis. *Theranostics*, **2016**, 6, 2068-2083	12.1	100
61	Circulating "LncPPAR From Monocytes as a Novel Biomarker for Coronary Artery Diseases. *Medicine (United States)*, **2016**, 95, e2360	1.8	27
60	Physiological profiles associated with ceasing growth of unfertilized eggs produced by unmated queens in the subterranean termite Reticulitermes chinensis. *Biology Open*, **2016**, 5, 756-63	2.2	2
59	Mitochondrial DNA oxidative damage contributes to cardiomyocyte ischemia/reperfusion-injury in rats: cardioprotective role of lycopene. *Journal of Cellular Physiology*, **2015**, 230, 2128-41	7	72
58	STIM1 elevation in the heart results in aberrant Ca+ handling and cardiomyopathy. *Journal of Molecular and Cellular Cardiology*, **2015**, 87, 38-47	5.8	76
57	Regulation of L-type calcium channel by phospholemman in cardiac myocytes. *Journal of Molecular and Cellular Cardiology*, **2015**, 84, 104-11	5.8	13
56	Inhibition of type 5 phosphodiesterase counteracts 2-adrenergic signalling in beating cardiomyocytes. *Cardiovascular Research*, **2015**, 106, 408-20	9.9	29
55	Paroxetine-mediated GRK2 inhibition reverses cardiac dysfunction and remodeling after myocardial infarction. *Science Translational Medicine*, **2015**, 7, 277ra31	17.5	99
54	GDF11 does not rescue aging-related pathological hypertrophy. *Circulation Research*, **2015**, 117, 926-32	15.7	124
53	Plasma long non-coding RNA, CoroMarker, a novel biomarker for diagnosis of coronary artery disease. *Clinical Science*, **2015**, 129, 675-85	6.5	119
52	Cross talk between serine/threonine and tyrosine kinases regulates ADP-induced thromboxane generation in platelets. *Thrombosis and Haemostasis*, **2015**, 114, 558-68	7	7
51	Transient receptor potential channels contribute to pathological structural and functional remodeling after myocardial infarction. *Circulation Research*, **2014**, 115, 567-580	15.7	84
50	LETM1-dependent mitochondrial Ca2+ flux modulates cellular bioenergetics and proliferation. *FASEB Journal*, **2014**, 28, 4936-49	0.9	80
49	Blunted cardiac beta-adrenergic response as an early indication of cardiac dysfunction in Duchenne muscular dystrophy. *Cardiovascular Research*, **2014**, 103, 60-71	9.9	27
48	Insulin inhibits cardiac contractility by inducing a Gi-biased 2-adrenergic signaling in hearts. *Diabetes*, **2014**, 63, 2676-89	0.9	60
47	T-type Ca+ channels regulate the exit of cardiac myocytes from the cell cycle after birth. *Journal of Molecular and Cellular Cardiology*, **2013**, 62, 122-30	5.8	14
46	Compartmentalization of -adrenergic signals in cardiomyocytes. *Trends in Cardiovascular Medicine*, **2013**, 23, 250-6	6.9	16
45	Cardiotoxic and cardioprotective features of chronic -adrenergic signaling. *Circulation Research*, **2013**, 112, 498-509	15.7	102

44	Potential of cardiac stem/progenitor cells and induced pluripotent stem cells for cardiac repair in ischaemic heart disease. *Clinical Science*, **2013**, 125, 319-27	6.5	31
43	Prolyl hydroxylase domain protein 2 silencing enhances the survival and paracrine function of transplanted adipose-derived stem cells in infarcted myocardium. *Circulation Research*, **2013**, 113, 288-300	15.7	77
42	Inflammation and cardiac dysfunction during sepsis, muscular dystrophy, and myocarditis. *Burns and Trauma*, **2013**, 1, 109-21		35
41	Phosphorus limitation for the colony formation, growth and photosynthesis of an edible cyanobacterium, Nostoc sphaeroides. *Biotechnology Letters*, **2012**, 34, 137-43	3	5
40	-Adrenergic stimulation increases Cav3.1 activity in cardiac myocytes through protein kinase A. *PLoS ONE*, **2012**, 7, e39965	3.7	24
39	Cardiac G-protein-coupled receptor kinase 2 ablation induces a novel Ca2+ handling phenotype resistant to adverse alterations and remodeling after myocardial infarction. *Circulation*, **2012**, 125, 2108-18	16.7	29
38	Hyperphosphorylation of the cardiac ryanodine receptor at serine 2808 is not involved in cardiac dysfunction after myocardial infarction. *Circulation Research*, **2012**, 110, 831-40	15.7	75
37	Phosphodiesterases coordinate cAMP propagation induced by two stimulatory G protein-coupled receptors in hearts. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6578-83	11.5	56
36	Decreased cardiac L-type Ca+ channel activity induces hypertrophy and heart failure in mice. *Journal of Clinical Investigation*, **2012**, 122, 280-90	15.9	123
35	Repair of the injured adult heart involves new myocytes potentially derived from resident cardiac stem cells. *Circulation Research*, **2011**, 108, 1226-37	15.7	72
34	The A isoform of calmodulin kinase II mediates pathological cardiac hypertrophy by interfering with the HDAC4-MEF2 signaling pathway. *Biochemical and Biophysical Research Communications*, **2011**, 409, 125-30	3.4	22
33	Calcium influx through Cav1.2 is a proximal signal for pathological cardiomyocyte hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 460-70	5.8	88
32	LIGHT DEPENDENCY OF PHOTOSYNTHETIC RECOVERY DURING WETTING AND THE ACCLIMATION OF PHOTOSYNTHETIC APPARATUS TO LIGHT FLUCTUATION IN A TERRESTRIAL CYANOBACTERIUM NOSTOC COMMUNE(1). *Journal of Phycology*, **2011**, 47, 1063-71	3	4
31	Increased expression of Syne1/nesprin-1 facilitates nuclear envelope structure changes in embryonic stem cell differentiation. *Developmental Dynamics*, **2011**, 240, 2245-55	2.9	18
30	Protein kinase D3 is a pivotal activator of pathological cardiac hypertrophy by selectively increasing the expression of hypertrophic transcription factors. *Journal of Biological Chemistry*, **2011**, 286, 40782-91	5.4	20
29	GSK-3alpha directly regulates beta-adrenergic signaling and the response of the heart to hemodynamic stress in mice. *Journal of Clinical Investigation*, **2010**, 120, 2280-91	15.9	44
28	Increasing cardiac contractility after myocardial infarction exacerbates cardiac injury and pump dysfunction. *Circulation Research*, **2010**, 107, 800-9	15.7	35
27	{beta}1-Adrenergic receptor activation induces mouse cardiac myocyte death through both L-type calcium channel-dependent and -independent pathways. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H322-31	5.2	29

26	Enhanced basal contractility but reduced excitation-contraction coupling efficiency and beta-adrenergic reserve of hearts with increased Cav1.2 activity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H519-28	5.2	21
25	Protein kinase C{alpha}, but not PKC{beta} or PKC{gamma}, regulates contractility and heart failure susceptibility: implications for ruboxistaurin as a novel therapeutic approach. *Circulation Research*, **2009**, 105, 194-200	15.7	113
24	CaMKII negatively regulates calcineurin-NFAT signaling in cardiac myocytes. *Circulation Research*, **2009**, 105, 316-25	15.7	104
23	Effect of Cl□bn photosynthetic bicarbonate uptake in two cyanobacteria Microcystis aeruginosa and Synechocystis PCC6803. *Science Bulletin*, **2009**, 54, 1197-1203	10.6	2
22	Inhibition of angiotensin II Gq signaling augments beta-adrenergic receptor mediated effects in a renal artery stenosis model of high blood pressure. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 100-7	5.8	6
21	alpha1G-dependent T-type Ca2+ current antagonizes cardiac hypertrophy through a NOS3-dependent mechanism in mice. *Journal of Clinical Investigation*, **2009**, 119, 3787-96	15.9	75
20	Ca2+ influx through T- and L-type Ca2+ channels have different effects on myocyte contractility and induce unique cardiac phenotypes. *Circulation Research*, **2008**, 103, 1109-19	15.7	63
19	Pim-1 kinase antagonizes aspects of myocardial hypertrophy and compensation to pathological pressure overload. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 13889-94	11.5	55
18	Reduced effects of BAY K 8644 on L-type Ca2+ current in failing human cardiac myocytes are related to abnormal adrenergic regulation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2257-67	5.2	22
17	Negative inotropic effects of high-mobility group box 1 protein in isolated contracting cardiac myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H1490-6	5.2	48
16	Adrenergic regulation of cardiac contractility does not involve phosphorylation of the cardiac ryanodine receptor at serine 2808. *Circulation Research*, **2008**, 102, e65-72	15.7	77
15	G protein-coupled receptor kinase 2 ablation in cardiac myocytes before or after myocardial infarction prevents heart failure. *Circulation Research*, **2008**, 103, 413-22	15.7	186
14	Phenotype and Function of c-kit+-derived Amplifying Myocytes **2007**, 77-85		
13	Calcineurin inhibition normalizes beta-adrenergic responsiveness in the spontaneously hypertensive rat. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H3122-9	5.2	19
12	Intracellular sodium determines frequency-dependent alterations in contractility in hypertrophied feline ventricular myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H1129-38	5.2	15
11	Adolescent feline heart contains a population of small, proliferative ventricular myocytes with immature physiological properties. *Circulation Research*, **2007**, 100, 536-44	15.7	102
10	Bone marrow cells adopt the cardiomyogenic fate in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17783-8	11.5	261
9	Ca2+- and mitochondrial-dependent cardiomyocyte necrosis as a primary mediator of heart failure. *Journal of Clinical Investigation*, **2007**, 117, 2431-44	15.9	317

8	Regulated overexpression of the A1-adenosine receptor in mice results in adverse but reversible changes in cardiac morphology and function. *Circulation*, **2006**, 114, 2240-50	16.7	53
7	Evidence for K+-dependent HCO3- utilization in the marine diatom Phaeodactylum tricornutum. *Plant Physiology*, **2006**, 141, 731-6	6.6	16
6	Alterations in early action potential repolarization causes localized failure of sarcoplasmic reticulum Ca2+ release. *Circulation Research*, **2005**, 96, 543-50	15.7	69
5	Ca2+ influx-induced sarcoplasmic reticulum Ca2+ overload causes mitochondrial-dependent apoptosis in ventricular myocytes. *Circulation Research*, **2005**, 97, 1009-17	15.7	154
4	Pharmacology of L-Type and T-Type Calcium Channels in the Heart **2004**, 133-142		
3	Cellular basis of abnormal calcium transients of failing human ventricular myocytes. *Circulation Research*, **2003**, 92, 651-8	15.7	363
2	L-type Ca2+ channel density and regulation are altered in failing human ventricular myocytes and recover after support with mechanical assist devices. *Circulation Research*, **2002**, 91, 517-24	15.7	229
1	L-type Ca2+ channel alpha 1c subunit isoform switching in failing human ventricular myocardium. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 973-84	5.8	82