

Yibin Wang

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.

220
papers

14,580
citations

65
h-index

115
g-index

254
ext. papers

16,788
ext. citations

10.3
avg, IF

6.27
L-index

#	Paper	IF	Citations
220	Chronic inhibition of cyclic GMP phosphodiesterase 5A prevents and reverses cardiac hypertrophy. <i>Nature Medicine</i> , 2005 , 11, 214-22	50.5	728
219	Association of Inpatient Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers With Mortality Among Patients With Hypertension Hospitalized With COVID-19. <i>Circulation Research</i> , 2020 , 126, 1671-1681	15.7	721
218	Cardiac muscle cell hypertrophy and apoptosis induced by distinct members of the p38 mitogen-activated protein kinase family. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2161-8	5.4	666
217	Mitogen-activated protein kinase signaling in the heart: angels versus demons in a heart-breaking tale. <i>Physiological Reviews</i> , 2010 , 90, 1507-46	47.9	519
216	p38 MAP kinase inhibition enables proliferation of adult mammalian cardiomyocytes. <i>Genes and Development</i> , 2005 , 19, 1175-87	12.6	436
215	Chronic phospholamban-sarcoplasmic reticulum calcium ATPase interaction is the critical calcium cycling defect in dilated cardiomyopathy. <i>Cell</i> , 1999 , 99, 313-22	56.2	432
214	Oxidant stress from nitric oxide synthase-3 uncoupling stimulates cardiac pathologic remodeling from chronic pressure load. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1221-31	15.9	345
213	Chronic suppression of heart-failure progression by a pseudophosphorylated mutant of phospholamban via in vivo cardiac rAAV gene delivery. <i>Nature Medicine</i> , 2002 , 8, 864-71	50.5	311
212	Cholesterol-induced macrophage apoptosis requires ER stress pathways and engagement of the type A scavenger receptor. <i>Journal of Cell Biology</i> , 2005 , 171, 61-73	7.3	278
211	Sustained activation of JNK/p38 MAPK pathways in response to cisplatin leads to Fas ligand induction and cell death in ovarian carcinoma cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19245-56	5.4	276
210	In-Hospital Use of Statins Is Associated with a Reduced Risk of Mortality among Individuals with COVID-19. <i>Cell Metabolism</i> , 2020 , 32, 176-187.e4	24.6	271
209	Cardiac hypertrophy induced by mitogen-activated protein kinase kinase 7, a specific activator for c-Jun NH2-terminal kinase in ventricular muscle cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5423-6	5.4	267
208	The long noncoding RNA Chaer defines an epigenetic checkpoint in cardiac hypertrophy. <i>Nature Medicine</i> , 2016 , 22, 1131-1139	50.5	255
207	Catabolic Defect of Branched-Chain Amino Acids Promotes Heart Failure. <i>Circulation</i> , 2016 , 133, 2038-49	16.7	233
206	Involvement of the MKK6-p38gamma cascade in gamma-radiation-induced cell cycle arrest. <i>Molecular and Cellular Biology</i> , 2000 , 20, 4543-52	4.8	229
205	Mitogen-activated protein kinases in heart development and diseases. <i>Circulation</i> , 2007 , 116, 1413-23	16.7	228
204	Analysis of transcriptome complexity through RNA sequencing in normal and failing murine hearts. <i>Circulation Research</i> , 2011 , 109, 1332-41	15.7	160

203	The low molecular weight GTPase Rho regulates myofibril formation and organization in neonatal rat ventricular myocytes. Involvement of Rho kinase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 7725-30	5.4	154
202	p38 Mitogen-activated protein kinase mediates a negative inotropic effect in cardiac myocytes. <i>Circulation Research</i> , 2002 , 90, 190-6	15.7	153
201	Molecular and functional signature of heart hypertrophy during pregnancy. <i>Circulation Research</i> , 2005 , 96, 1208-16	15.7	149
200	The role of the Grb2-p38 MAPK signaling pathway in cardiac hypertrophy and fibrosis. <i>Journal of Clinical Investigation</i> , 2003 , 111, 833-41	15.9	147
199	Extracellular signal-regulated kinase plays an essential role in hypertrophic agonists, endothelin-1 and phenylephrine-induced cardiomyocyte hypertrophy. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37895-901	5.4	144
198	The role of differential activation of p38-mitogen-activated protein kinase in preconditioned ventricular myocytes. <i>FASEB Journal</i> , 2000 , 14, 2237-46	0.9	135
197	Protein phosphatase 2Cm is a critical regulator of branched-chain amino acid catabolism in mice and cultured cells. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1678-87	15.9	132
196	NF-kappaB-dependent fractalkine induction in rat aortic endothelial cells stimulated by IL-1beta, TNF-alpha, and LPS. <i>Journal of Leukocyte Biology</i> , 2000 , 67, 577-84	6.5	131
195	Branched-chain amino acid metabolism in heart disease: an epiphenomenon or a real culprit?. <i>Cardiovascular Research</i> , 2011 , 90, 220-3	9.9	127
194	c-Jun N-terminal kinase activation mediates downregulation of connexin43 in cardiomyocytes. <i>Circulation Research</i> , 2002 , 91, 640-7	15.7	127
193	Myocardin induces cardiomyocyte hypertrophy. <i>Circulation Research</i> , 2006 , 98, 1089-97	15.7	125
192	p38 MAP kinase mediates inflammatory cytokine induction in cardiomyocytes and extracellular matrix remodeling in heart. <i>Circulation</i> , 2005 , 111, 2494-502	16.7	121
191	Moderate heart dysfunction in mice with inducible cardiomyocyte-specific excision of the Serca2 gene. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 47, 180-7	5.8	119
190	The p38 mitogen-activated protein kinase pathway--a potential target for intervention in infarction, hypertrophy, and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 485-90	5.8	117
189	Free cholesterol accumulation in macrophage membranes activates Toll-like receptors and p38 mitogen-activated protein kinase and induces cathepsin K. <i>Circulation Research</i> , 2009 , 104, 455-65	15.7	116
188	Macrophage deficiency of p38alpha MAPK promotes apoptosis and plaque necrosis in advanced atherosclerotic lesions in mice. <i>Journal of Clinical Investigation</i> , 2009 , 119, 886-98	15.9	111
187	Creatine kinase-mediated improvement of function in failing mouse hearts provides causal evidence the failing heart is energy starved. <i>Journal of Clinical Investigation</i> , 2012 , 122, 291-302	15.9	108
186	Myc controls transcriptional regulation of cardiac metabolism and mitochondrial biogenesis in response to pathological stress in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1494-505	15.9	105

185	A novel mitochondrial matrix serine/threonine protein phosphatase regulates the mitochondria permeability transition pore and is essential for cellular survival and development. <i>Genes and Development</i> , 2007 , 21, 784-96	12.6	104
184	Nitric oxide donors protect murine myocardium against infarction via modulation of mitochondrial permeability transition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1290-5	5.3	102
183	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. <i>Mammalian Genome</i> , 2012 , 23, 680-92	3.2	101
182	Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance. <i>Diabetes</i> , 2019 , 68, 1730-1746	6.9	100
181	Klf15 orchestrates circadian nitrogen homeostasis. <i>Cell Metabolism</i> , 2012 , 15, 311-23	24.6	100
180	Role of p38alpha MAPK in cardiac apoptosis and remodeling after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 617-23	5.8	99
179	Junctophilin type 2 is associated with caveolin-3 and is down-regulated in the hypertrophic and dilated cardiomyopathies. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 852-6	3.4	99
178	Stress-activated MAP kinases in cardiac remodeling and heart failure; new insights from transgenic studies. <i>Trends in Cardiovascular Medicine</i> , 2004 , 14, 50-5	6.9	97
177	Atrial chamber-specific expression of sarcolipin is regulated during development and hypertrophic remodeling. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9570-5	5.4	89
176	Differential regulation of proteasome function in isoproterenol-induced cardiac hypertrophy. <i>Circulation Research</i> , 2010 , 107, 1094-101	15.7	88
175	The Hybrid Mouse Diversity Panel: a resource for systems genetics analyses of metabolic and cardiovascular traits. <i>Journal of Lipid Research</i> , 2016 , 57, 925-42	6.3	86
174	Targeted activation of c-Jun N-terminal kinase in vivo induces restrictive cardiomyopathy and conduction defects. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15330-8	5.4	85
173	MAPK-activated protein kinase-2 in cardiac hypertrophy and cyclooxygenase-2 regulation in heart. <i>Circulation Research</i> , 2010 , 106, 1434-43	15.7	83
172	p38-MAPK induced dephosphorylation of alpha-tropomyosin is associated with depression of myocardial sarcomeric tension and ATPase activity. <i>Circulation Research</i> , 2007 , 100, 408-15	15.7	82
171	RBFOX1-mediated RNA splicing regulates cardiac hypertrophy and heart failure. <i>Journal of Clinical Investigation</i> , 2016 , 126, 195-206	15.9	82
170	p38 MAP kinases in the heart. <i>Gene</i> , 2016 , 575, 369-376	3.8	81
169	Metformin Is Associated with Higher Incidence of Acidosis, but Not Mortality, in Individuals with COVID-19 and Pre-existing Type 2 Diabetes. <i>Cell Metabolism</i> , 2020 , 32, 537-547.e3	24.6	81
168	High-Resolution Mapping of Chromatin Conformation in Cardiac Myocytes Reveals Structural Remodeling of the Epigenome in Heart Failure. <i>Circulation</i> , 2017 , 136, 1613-1625	16.7	80

167	Endothelial deletion of murine Jag1 leads to valve calcification and congenital heart defects associated with Alagille syndrome. <i>Development (Cambridge)</i> , 2012 , 139, 4449-60	6.6	80
166	Phosphoproteome analysis reveals regulatory sites in major pathways of cardiac mitochondria. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.000117	7.6	79
165	An accumulation of non-farnesylated prelamin A causes cardiomyopathy but not progeria. <i>Human Molecular Genetics</i> , 2010 , 19, 2682-94	5.6	72
164	Inducible and cardiac specific PTEN inactivation protects ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 193-200	5.8	70
163	Redefining Cardiac Biomarkers in Predicting Mortality of Inpatients With COVID-19. <i>Hypertension</i> , 2020 , 76, 1104-1112	8.5	70
162	Synergistic roles of neuregulin-1 and insulin-like growth factor-I in activation of the phosphatidylinositol 3-kinase pathway and cardiac chamber morphogenesis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37362-9	5.4	69
161	"Good enough solutions" and the genetics of complex diseases. <i>Circulation Research</i> , 2012 , 111, 493-504	15.7	68
160	TAB-1 modulates intracellular localization of p38 MAP kinase and downstream signaling. <i>Journal of Biological Chemistry</i> , 2006 , 281, 6087-95	5.4	68
159	Induction of apoptosis in vascular smooth muscle cells by mechanical stretch. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H1709-16	5.2	68
158	Divergent mitochondrial biogenesis responses in human cardiomyopathy. <i>Circulation</i> , 2013 , 127, 1957-67	16.7	67
157	Temporal activation of c-Jun N-terminal kinase in adult transgenic heart via cre-loxP-mediated DNA recombination. <i>FASEB Journal</i> , 2003 , 17, 749-51	0.9	67
156	RelB modulation of I κ B α stability as a mechanism of transcription suppression of interleukin-1 α (IL-1 α), IL-1 β , and tumor necrosis factor α in fibroblasts. <i>Molecular and Cellular Biology</i> , 1999 , 19, 7688-96	4.8	66
155	Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. <i>Cell Stem Cell</i> , 2017 , 20, 218-232.e5	18	65
154	Functional diversity of mammalian type 2C protein phosphatase isoforms: new tales from an old family. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 107-12	3	65
153	Response by Zhang et al to Letter Regarding Article, "Association of Inpatient Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers With Mortality Among Patients With Hypertension Hospitalized With COVID-19". <i>Circulation Research</i> , 2020 , 126, e142-e143	15.7	62
152	Gi-biased β AR signaling links GRK2 upregulation to heart failure. <i>Circulation Research</i> , 2012 , 110, 265-74	15.7	62
151	Modulation of in vivo cardiac function by myocyte-specific nitric oxide synthase-3. <i>Circulation Research</i> , 2004 , 94, 657-63	15.7	62
150	Systems-based approaches to cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2012 , 9, 172-84	14.8	60

149	Sarcoplasmic reticulum calcium defect in Ras-induced hypertrophic cardiomyopathy heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H424-33	5.2	60
148	Robust adenoviral and adeno-associated viral gene transfer to the in vivo murine heart: application to study of phospholamban physiology. <i>Circulation</i> , 2003 , 108, 2790-7	16.7	59
147	Protective role of transient pore openings in calcium handling by cardiac mitochondria. <i>Journal of Biological Chemistry</i> , 2011 , 286, 34851-7	5.4	58
146	Myocardial remodeling is controlled by myocyte-targeted gene regulation of phosphodiesterase type 5. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 2021-30	15.1	57
145	Protein kinetic signatures of the remodeling heart following isoproterenol stimulation. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1734-44	15.9	55
144	Mapping genetic contributions to cardiac pathology induced by Beta-adrenergic stimulation in mice. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 40-9		54
143	Absence of progeria-like disease phenotypes in knock-in mice expressing a non-farnesylated version of progerin. <i>Human Molecular Genetics</i> , 2011 , 20, 436-44	5.6	53
142	High-efficiency, long-term cardiac expression of foreign genes in living mouse embryos and neonates. <i>Circulation</i> , 2000 , 101, 178-84	16.7	52
141	Genetic Dissection of Cardiac Remodeling in an Isoproterenol-Induced Heart Failure Mouse Model. <i>PLoS Genetics</i> , 2016 , 12, e1006038	6	52
140	Inhibition of p38 alpha MAPK rescues cardiomyopathy induced by overexpressed beta 2-adrenergic receptor, but not beta 1-adrenergic receptor. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1335-43	15.9	51
139	Specific regulation of noncanonical p38alpha activation by Hsp90-Cdc37 chaperone complex in cardiomyocyte. <i>Circulation Research</i> , 2010 , 106, 1404-12	15.7	47
138	MicroRNAs targeting the SARS-CoV-2 entry receptor ACE2 in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 148, 46-49	5.8	47
137	Heart hypertrophy during pregnancy: a better functioning heart?. <i>Trends in Cardiovascular Medicine</i> , 2006 , 16, 285-91	6.9	46
136	Role of 14-3-3-mediated p38 mitogen-activated protein kinase inhibition in cardiac myocyte survival. <i>Circulation Research</i> , 2003 , 93, 1026-8	15.7	45
135	p38MAPK regulates proliferation and differentiation of osteoclast progenitors and bone remodeling in an aging-dependent manner. <i>Scientific Reports</i> , 2017 , 7, 45964	4.9	43
134	Overexpression of bone morphogenetic protein 10 in myocardium disrupts cardiac postnatal hypertrophic growth. <i>Journal of Biological Chemistry</i> , 2006 , 281, 27481-91	5.4	43
133	An increase in the myocardial PCr/ATP ratio in GLUT4 null mice. <i>FASEB Journal</i> , 2002 , 16, 613-5	0.9	42
132	Comparative Impacts of ACE (Angiotensin-Converting Enzyme) Inhibitors Versus Angiotensin II Receptor Blockers on the Risk of COVID-19 Mortality. <i>Hypertension</i> , 2020 , 76, e15-e17	8.5	41

131	Repression of Sox9 by Jag1 is continuously required to suppress the default chondrogenic fate of vascular smooth muscle cells. <i>Developmental Cell</i> , 2014 , 31, 707-21	10.2	41
130	Catabolism of branched-chain amino acids in heart failure: insights from genetic models. <i>Pediatric Cardiology</i> , 2011 , 32, 305-10	2.1	41
129	Quantitative analysis of the chromatin proteome in disease reveals remodeling principles and identifies high mobility group protein B2 as a regulator of hypertrophic growth. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M1111.014258	7.6	40
128	The Neutrophil-to-Lymphocyte Ratio Determines Clinical Efficacy of Corticosteroid Therapy in Patients with COVID-19. <i>Cell Metabolism</i> , 2021 , 33, 258-269.e3	24.6	40
127	Branched chain amino acid metabolic reprogramming in heart failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 2270-2275	6.9	39
126	Targeted disruption of Mapk14 (p38MAPKalpha) in granulosa cells and cumulus cells causes cell-specific changes in gene expression profiles that rescue COC expansion and maintain fertility. <i>Molecular Endocrinology</i> , 2010 , 24, 1794-804		38
125	Electrochemical properties and myocyte interaction of carbon nanotube microelectrodes. <i>Nano Letters</i> , 2010 , 10, 4321-7	11.5	38
124	Adenovirus technology for gene manipulation and functional studies. <i>Drug Discovery Today</i> , 2000 , 5, 10-16	8.8	38
123	Creatine kinase-overexpression improves myocardial energetics, contractile dysfunction and survival in murine doxorubicin cardiotoxicity. <i>PLoS ONE</i> , 2013 , 8, e74675	3.7	38
122	Distinct gene expression profiles in adult mouse heart following targeted MAP kinase activation. <i>Physiological Genomics</i> , 2006 , 25, 50-9	3.6	37
121	Continuation versus discontinuation of ACE inhibitors or angiotensin II receptor blockers in COVID-19: effects on blood pressure control and mortality. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020 , 6, 412-414	6.4	36
120	Viral sequences enable efficient and tissue-specific expression of transgenes in Xenopus. <i>Nature Biotechnology</i> , 1998 , 16, 253-7	44.5	36
119	The chromatin-binding protein Smyd1 restricts adult mammalian heart growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H1234-H1247	5.2	36
118	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. <i>Cell</i> , 2020 , 182, 545-562.e23	56.2	35
117	Gut stem cell aging is driven by mTORC1 via a p38 MAPK-p53 pathway. <i>Nature Communications</i> , 2020 , 11, 37	17.4	34
116	Low-Dose Sorafenib Acts as a Mitochondrial Uncoupler and Ameliorates Nonalcoholic Steatohepatitis. <i>Cell Metabolism</i> , 2020 , 31, 892-908.e11	24.6	33
115	PPM1l encodes an inositol requiring-protein 1 (IRE1) specific phosphatase that regulates the functional outcome of the ER stress response. <i>Molecular Metabolism</i> , 2013 , 2, 405-16	8.8	33
114	Tissue-specific and nutrient regulation of the branched-chain keto acid dehydrogenase phosphatase, protein phosphatase 2Cm (PP2Cm). <i>Journal of Biological Chemistry</i> , 2012 , 287, 23397-406	5.4	33

113	Recombinant adenoviral expression of dominant negative IkappaBalpha protects brain from cerebral ischemic injury. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 299, 14-7	3.4	33
112	Signal transduction in cardiac hypertrophy--dissecting compensatory versus pathological pathways utilizing a transgenic approach. <i>Current Opinion in Pharmacology</i> , 2001 , 1, 134-40	5.1	32
111	Rescue of Pressure Overload-Induced Heart Failure by Estrogen Therapy. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	32
110	Gi alpha 1-mediated cardiac electrophysiological remodeling and arrhythmia in hypertrophic cardiomyopathy. <i>Circulation</i> , 2007 , 116, 596-605	16.7	31
109	Systems Genetics Approach Identifies Gene Pathways and Adamts2 as Drivers of Isoproterenol-Induced Cardiac Hypertrophy and Cardiomyopathy in Mice. <i>Cell Systems</i> , 2017 , 4, 121-128. ^{19.6} ₆₄	19.6	30
108	Calcineurin Enhances Acetylcholinesterase mRNA Stability during C2-C12 Muscle Cell Differentiation. <i>Molecular Pharmacology</i> , 1999 , 56, 886-894	4.3	30
107	Loss of Bmx nonreceptor tyrosine kinase prevents pressure overload-induced cardiac hypertrophy. <i>Circulation Research</i> , 2008 , 103, 1359-62	15.7	28
106	Calmodulin regulation of excitation-contraction coupling in cardiac myocytes. <i>Circulation Research</i> , 2003 , 92, 659-67	15.7	28
105	Decoding the Long Noncoding RNA During Cardiac Maturation: A Roadmap for Functional Discovery. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 395-407		28
104	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. <i>Circulation</i> , 2018 , 138, 1224-1235	16.7	28
103	Light-sheet fluorescence imaging to localize cardiac lineage and protein distribution. <i>Scientific Reports</i> , 2017 , 7, 42209	4.9	27
102	Genetics of common forms of heart failure: challenges and potential solutions. <i>Current Opinion in Cardiology</i> , 2015 , 30, 222-7	2.1	27
101	Zebrafish as a model for cardiovascular development and disease. <i>Drug Discovery Today: Disease Models</i> , 2008 , 5, 135-140	1.3	27
100	Role of an alternatively spliced form of alphaII-spectrin in localization of connexin 43 in cardiomyocytes and regulation by stress-activated protein kinase. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 572-81	5.8	27
99	Induction of SENP1 in myocardium contributes to abnormalities of mitochondria and cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 115-22	5.8	26
98	p38MAPK Regulates Lineage Commitment and OPG Synthesis of Bone Marrow Stromal Cells to Prevent Bone Loss under Physiological and Pathological Conditions. <i>Stem Cell Reports</i> , 2016 , 6, 566-578 ⁸	8	26
97	DNA Methylation Indicates Susceptibility to Isoproterenol-Induced Cardiac Pathology and Is Associated With Chromatin States. <i>Circulation Research</i> , 2016 , 118, 786-97	15.7	26
96	Creatine kinase overexpression improves ATP kinetics and contractile function in postischemic myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H844-52	5.2	26

95	EZH2 RIP-seq Identifies Tissue-specific Long Non-coding RNAs. <i>Current Gene Therapy</i> , 2018 , 18, 275-285	4.3	26
94	Western Diet-Fed, Aortic-Banded Ossabaw Swine: A Preclinical Model of Cardio-Metabolic Heart Failure. <i>JACC Basic To Translational Science</i> , 2019 , 4, 404-421	8.7	25
93	High-Density Genotypes of Inbred Mouse Strains: Improved Power and Precision of Association Mapping. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 2021-6	3.2	25
92	Mice carrying a conditional Serca2(flox) allele for the generation of Ca(2+) handling-deficient mouse models. <i>Cell Calcium</i> , 2009 , 46, 219-25	4	24
91	Cdc37/Hsp90 protein-mediated regulation of IRE1 β protein activity in endoplasmic reticulum stress response and insulin synthesis in INS-1 cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6266-74	5.4	22
90	JNK activation decreases PP2A regulatory subunit B56alpha expression and mRNA stability and increases AUF1 expression in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H1183-92	5.2	22
89	Mitochondrial CaMKII causes adverse metabolic reprogramming and dilated cardiomyopathy. <i>Nature Communications</i> , 2020 , 11, 4416	17.4	22
88	Cardiac vulnerability to ischemia/reperfusion injury drastically increases in late pregnancy. <i>Basic Research in Cardiology</i> , 2012 , 107, 271	11.8	21
87	Novel regulation of cardiac force-frequency relation by CREM (cAMP response element modulator). <i>FASEB Journal</i> , 2003 , 17, 144-51	0.9	21
86	The Calcineurin-FoxO-MuRF1 signaling pathway regulates myofibril integrity in cardiomyocytes. <i>ELife</i> , 2017 , 6,	8.9	20
85	Humanin analog enhances the protective effect of dexrazoxane against doxorubicin-induced cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H634-H643	5.2	19
84	Novel Ser/Thr protein phosphatases in cell death regulation. <i>Physiology</i> , 2012 , 27, 43-52	9.8	19
83	Compensatory hypertrophy induced by ventricular cardiomyocyte-specific COX-2 expression in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 88-94	5.8	19
82	Inflammatory and apoptotic remodeling in autonomic nervous system following myocardial infarction. <i>PLoS ONE</i> , 2017 , 12, e0177750	3.7	18
81	ADC at 3.0 T as a noninvasive biomarker for preoperative prediction of Ki67 expression in invasive ductal carcinoma of breast. <i>Clinical Imaging</i> , 2018 , 52, 16-22	2.7	18
80	Reciprocal Regulation of the Cardiac Epigenome by Chromatin Structural Proteins Hmgb and Ctfc: IMPLICATIONS FOR TRANSCRIPTIONAL REGULATION. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15428-46	5.4	18
79	Cardiac myocyte p38 β kinase regulates angiogenesis via myocyte-endothelial cell cross-talk during stress-induced remodeling in the heart. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12787-12800	5.4	17
78	RBFox2-miR-34a-Jph2 axis contributes to cardiac decompensation during heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6172-6180	11.5	17

77	Systems proteomics of cardiac chromatin identifies nucleolin as a regulator of growth and cellular plasticity in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1624-38	5.2	17
76	Nuclear phosphatase PPM1G in cellular survival and neural development. <i>Developmental Dynamics</i> , 2013 , 242, 1101-9	2.9	17
75	Kidney Function Indicators Predict Adverse Outcomes of COVID-19. <i>Med</i> , 2021 , 2, 38-48.e2	31.7	17
74	A personalized, multiomics approach identifies genes involved in cardiac hypertrophy and heart failure. <i>Npj Systems Biology and Applications</i> , 2018 , 4, 12	5	16
73	Activation of Notch3 promotes pulmonary arterial smooth muscle cells proliferation via Hes1/p27Kip1 signaling pathway. <i>FEBS Open Bio</i> , 2015 , 5, 656-60	2.7	16
72	Preserved heart function and maintained response to cardiac stresses in a genetic model of cardiomyocyte-targeted deficiency of cyclooxygenase-2. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 196-209	5.8	16
71	Return of calcium: manipulating intracellular calcium to prevent cardiac pathologies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5697-8	11.5	16
70	Epigenomic regulation of heart failure: integrating histone marks, long noncoding RNAs, and chromatin architecture. <i>F1000Research</i> , 2018 , 7,	3.6	16
69	BCAA Catabolic Defect Alters Glucose Metabolism in Lean Mice. <i>Frontiers in Physiology</i> , 2019 , 10, 1140	4.6	15
68	p38 β activity is required for maintenance of slow skeletal muscle size. <i>Muscle and Nerve</i> , 2012 , 45, 266-73	3.4	15
67	Branched-Chain Amino Acid Negatively Regulates KLF15 Expression via PI3K-AKT Pathway. <i>Frontiers in Physiology</i> , 2017 , 8, 853	4.6	15
66	Post-translational regulation of calstabin-1 during pressure overload-induced cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 1206-14	5.8	15
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