Jeffery D Molkentin

List of Publications by Year
in descending order

413 papers	61,393 citations	613 124 h-index	1131 230 g-index
430 all docs	430 docs citations	430 times ranked	51332 citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
2	A Calcineurin-Dependent Transcriptional Pathway for Cardiac Hypertrophy. Cell, 1998, 93, 215-228.	13.5	2,388
3	Loss of cyclophilin D reveals a critical role for mitochondrial permeability transition in cell death. Nature, 2005, 434, 658-662.	13.7	2,005
4	Regulation of cardiac hypertrophy by intracellular signalling pathways. Nature Reviews Molecular Cell Biology, 2006, 7, 589-600.	16.1	1,680
5	Requirement of the transcription factor GATA4 for heart tube formation and ventral morphogenesis.. Genes and Development, 1997, 11, 1061-1072.	2.7	1,030
6	Voltage-dependent anion channels are dispensable for mitochondrial-dependent cell death. Nature Cell Biology, 2007, 9, 550-555.	4.6	837
7	Cyclophilin D deficiency attenuates mitochondrial and neuronal perturbation and ameliorates learning and memory in Alzheimer's disease. Nature Medicine, 2008, 14, 1097-1105.	15.2	833
8	The Zinc Finger-containing Transcription Factors GATA-4, -5, and -6. Journal of Biological Chemistry, 2000, 275, 38949-38952.	1.6	767
9	Cooperative activation of muscle gene expression by MEF2 and myogenic bHLH proteins. Cell, 1995, 83, 1125-1136.	13.5	765
10	c-kit+ cells minimally contribute cardiomyocytes to the heart. Nature, 2014, 509, 337-341.	13.7	723
11	Evidence from a genetic fate-mapping study that stem cells refresh adult mammalian cardiomyocytes after injury. Nature Medicine, 2007, 13, 970-974.	15.2	720
12	Calcineurin/NFAT Coupling Participates in Pathological, but not Physiological, Cardiac Hypertrophy. Circulation Research, 2004, 94, 110-118.	2.0	660
13	Genetic lineage tracing defines myofibroblast origin and function in the injured heart. Nature Communications, 2016, 7, 12260.	5.8	638
14	Cytoplasmic Signaling Pathways That Regulate Cardiac Hypertrophy. Annual Review of Physiology, 2001, 63, 391-426.	5.6	616
15	Fibroblast-specific TGF-Î²â€“Smad2/3 signaling underlies cardiac fibrosis. Journal of Clinical Investigation, 2017, 127, 3770-3783.	3.9	603
16	Temporally Regulated and Tissue-Specific Gene Manipulations in the Adult and Embryonic Heart Using a Tamoxifen-Inducible Cre Protein. Circulation Research, 2001, 89, 20-25.	2.0	593
17	PKC-Î± regulates cardiac contractility and propensity toward heart failure. Nature Medicine, 2004, 10, 248-254.	15.2	551
18	The Transforming Growth Factor-Î² Superfamily Member Growth-Differentiation Factor-15 Protects the Heart From Ischemia/Reperfusion Injury. Circulation Research, 2006, 98, 351-360.	2.0	551

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19	Periostin regulates collagen fibrillogenesis and the biomechanical properties of connective tissues. Journal of Cellular Biochemistry, 2007, 101, 695-711.	1.2	530
20	Molecular Pathways Underlying Cardiac Remodeling During Pathophysiological Stimulation. Circulation, 2010, 122, 2727-2735.	1.6	478
21	Specialized fibroblast differentiated states underlie scar formation in the infarcted mouse heart. Journal of Clinical Investigation, 2018, 128, 2127-2143.	3.9	442
22	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. Nature Medicine, 2012, 18, 1575-1579.	15.2	441
23	Molecular basis of physiological heart growth: fundamental concepts and new players. Nature Reviews Molecular Cell Biology, 2013, 14, 38-48.	16.1	439
24	Defining the regulatory networks for muscle development. Current Opinion in Genetics and Development, 1996, 6, 445-453.	1.5	429
25	Genetic Manipulation of Periostin Expression Reveals a Role in Cardiac Hypertrophy and Ventricular Remodeling. Circulation Research, 2007, 101, 313-321.	2.0	428
26	Prevention of Cardiac Hypertrophy in Mice by Calcineurin Inhibition. , 1998, 281, 1690-1693.		421
27	GDF15/MIC-1 Functions As a Protective and Antihypertrophic Factor Released From the Myocardium in Association With SMAD Protein Activation. Circulation Research, 2006, 98, 342-350.	2.0	418
28	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
29	Calcineurin?NFAT signaling regulates the cardiac hypertrophic response in coordination with the MAPKs. Cardiovascular Research, 2004, 63, 467-475.	1.8	403
30	Differential Activation of Signal Transduction Pathways in Human Hearts With Hypertrophy Versus Advanced Heart Failure. Circulation, 2001, 103, 670-677.	1.6	395
31	Redefining the identity of cardiac fibroblasts. Nature Reviews Cardiology, 2017, 14, 484-491.	6.1	392
32	An acute immune response underlies the benefit of cardiac stemÂcell therapy. Nature, 2020, 577, 405-409.	13.7	392
33	Calciumâ€“calcineurin signaling in the regulation of cardiac hypertrophy. Biochemical and Biophysical Research Communications, 2004, 322, 1178-1191.	1.0	391
34	Cardiac-Specific Deletion of Gata4 Reveals Its Requirement for Hypertrophy, Compensation, and Myocyte Viability. Circulation Research, 2006, 98, 837-845.	2.0	384
35	Signaling effectors underlying pathologic growth and remodeling of the heart. Journal of Clinical Investigation, 2013, 123, 37-45.	3.9	380
36	Animal Models of Heart Failure. Circulation Research, 2012, 111, 131-150.	2.0	378

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37	FoxO Transcription Factors Promote Autophagy in Cardiomyocytes. Journal of Biological Chemistry, 2009, 284, 28319-28331.	1.6	365
38	Ca2+- and mitochondrial-dependent cardiomyocyte necrosis as a primary mediator of heart failure. Journal of Clinical Investigation, 2007, 117, 2431-2444.	3.9	359
39	Involvement of Extracellular Signal-Regulated Kinases 1/2 in Cardiac Hypertrophy and Cell Death. Circulation Research, 2002, 91, 776-781.	2.0	354
40	Physiological and Pathological Roles of the Mitochondrial Permeability Transition Pore in the Heart. Cell Metabolism, 2015, 21, 206-214.	7.2	336
41	Cyclophilin D controls mitochondrial poreâ€“dependent Ca2+ exchange, metabolic flexibility, and propensity for heart failure in mice. Journal of Clinical Investigation, 2010, 120, 3680-3687.	3.9	333
42	Genetic and pharmacologic inhibition of mitochondrial-dependent necrosis attenuates muscular dystrophy. Nature Medicine, 2008, 14, 442-447.	15.2	324
43	A Redox-Dependent Pathway for Regulating Class II HDACs and Cardiac Hypertrophy. Cell, 2008, 133, 978-993.	13.5	316
44	The Transcription Factors GATA4 and GATA6 Regulate Cardiomyocyte Hypertrophy in Vitro and in Vivo. Journal of Biological Chemistry, 2001, 276, 30245-30253.	1.6	310
45	STRESS signaling pathways that modulate cardiac myocyte apoptosis. Journal of Molecular and Cellular Cardiology, 2005, 38, 47-62.	0.9	304
46	Induced Deletion of theN-CadherinGene in the Heart Leads to Dissolution of the Intercalated Disc Structure. Circulation Research, 2005, 96, 346-354.	2.0	295
47	A TRPC6-Dependent Pathway for Myofibroblast Transdifferentiation and Wound Healing InÂVivo. Developmental Cell, 2012, 23, 705-715.	3.1	294
48	The mitochondrial Na+/Ca2+ exchanger is essential for Ca2+ homeostasis and viability. Nature, 2017, 545, 93-97.	13.7	294
49	The Mitochondrial Calcium Uniporter Selectively Matches Metabolic Output to Acute Contractile Stress in the Heart. Cell Reports, 2015, 12, 15-22.	2.9	284
50	FoxO Transcription Factors Promote Cardiomyocyte Survival upon Induction of Oxidative Stress. Journal of Biological Chemistry, 2011, 286, 7468-7478.	1.6	283
51	Conditional <i>Dicer</i> Gene Deletion in the Postnatal Myocardium Provokes Spontaneous Cardiac Remodeling. Circulation, 2008, 118, 1567-1576.	1.6	282
52	Periostin Is Required for Maturation and Extracellular Matrix Stabilization of Noncardiomyocyte Lineages of the Heart. Circulation Research, 2008, 102, 752-760.	2.0	281
53	Proper coronary vascular development and heart morphogenesis depend on interaction of GATA-4 with FOG cofactors. Genes and Development, 2001, 15, 839-844.	2.7	274
54	Myofibroblasts: Trust your heart and let fate decide. Journal of Molecular and Cellular Cardiology, 2014, 70, 9-18.	0.9	273

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55	A Calcineurin-NFATc3-Dependent Pathway Regulates Skeletal Muscle Differentiation and Slow Myosin Heavy-Chain Expression. Molecular and Cellular Biology, 2000, 20, 6600-6611.	1.1	271
56	Targeted inhibition of p38 MAPK promotes hypertrophic cardiomyopathy through upregulation of calcineurin-NFAT signaling. Journal of Clinical Investigation, 2003, 111, 1475-1486.	3.9	265
57	The Permeability Transition Pore Controls Cardiac Mitochondrial Maturation and Myocyte Differentiation. Developmental Cell, 2011, 21, 469-478.	3.1	257
58	TRPC channels are necessary mediators of pathologic cardiac hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7000-7005.	3.3	256
59	Inhibition of calcineurin-NFAT hypertrophy signaling by cGMP-dependent protein kinase type I in cardiac myocytes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11363-11368.	3.3	254
60	Calcineurinâ€dependent cardiomyopathy is activated by TRPC in the adult mouse heart. FASEB Journal, 2006, 20, 1660-1670.	0.2	250
61	Regulation of angiogenesis by a non-canonical Wntâ€"Flt1 pathway in myeloid cells. Nature, 2011, 474, 511-515.	13.7	244
62	Targeted Disruption of NFATc3 , but Not NFATc4 , Reveals an Intrinsic Defect in Calcineurin-Mediated Cardiac Hypertrophic Growth. Molecular and Cellular Biology, 2002, 22, 7603-7613.	1.1	241
63	Impaired cardiac hypertrophic response in Calcineurin AÂ-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4586-4591.	3.3	236
64	The Transcription Factor GATA4 Is Activated by Extracellular Signal-Regulated Kinase 1- and 2-Mediated Phosphorylation of Serine 105 in Cardiomyocytes. Molecular and Cellular Biology, 2001, 21, 7460-7469.	1.1	234
65	Bax and Bak function as the outer membrane component of the mitochondrial permeability pore in regulating necrotic cell death in mice. ELife, 2013, 2, e00772.	2.8	229
66	Fibroblast-Specific Genetic Manipulation of p38 Mitogen-Activated Protein Kinase In Vivo Reveals Its Central Regulatory Role in Fibrosis. Circulation, 2017, 136, 549-561.	1.6	225
67	An emerging consensus on cardiac regeneration. Nature Medicine, 2014, 20, 1386-1393.	15.2	222
68	Genetic inhibition of cardiac ERK1/2 promotes stress-induced apoptosis and heart failure but has no effect on hypertrophy <i>in vivo</i>. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14074-14079.	3.3	219
69	TRPC Channels As Effectors of Cardiac Hypertrophy. Circulation Research, 2011, 108, 265-272.	2.0	218
70	Calcineurin and Beyond. Circulation Research, 2000, 87, 731-738.	2.0	217
71	Extracellular Signal-Regulated Kinases 1 and 2 Regulate the Balance Between Eccentric and Concentric Cardiac Growth. Circulation Research, 2011, 108, 176-183.	2.0	217
72	Cardiomyocyte GATA4 functions as a stress-responsive regulator of angiogenesis in the murine heart. Journal of Clinical Investigation, 2007, 117, 3198-3210.	3.9	212

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73	Physiologic Functions of Cyclophilin D and the Mitochondrial Permeability Transition Pore. Circulation Journal, 2013, 77, 1111-1122.	0.7	211
74	Redefining the roles of p38 and JNK signaling in cardiac hypertrophy: dichotomy between cultured myocytes and animal models. Journal of Molecular and Cellular Cardiology, 2003, 35, 1385-1394.	0.9	210
75	A Series of Mutations in the D-MEF2 Transcription Factor Reveal Multiple Functions in Larval and Adult Myogenesis in Drosophila. Developmental Biology, 1995, 171, 169-181.	0.9	207
76	Genetic Deletion of Myostatin From the Heart Prevents Skeletal Muscle Atrophy in Heart Failure. Circulation, 2010, 121, 419-425.	1.6	207
77	Tissue-specific GATA factors are transcriptional effectors of the small GTPase RhoA. Genes and Development, 2001, 15, 2702-2719.	2.7	206
78	Calcineurin Promotes Protein Kinase C and c-Jun NH2-terminal Kinase Activation in the Heart. Journal of Biological Chemistry, 2000, 275, 13571-13579.	1.6	205
79	Calcineurin-Mediated Hypertrophy Protects Cardiomyocytes From Apoptosis In Vitro and In Vivo. Circulation Research, 2000, 86, 255-263.	2.0	203
80	MEK1-ERK2 Signaling Pathway Protects Myocardium From Ischemic Injury In Vivo. Circulation, 2004, 109, 1938-1941.	1.6	203
81	Targeted Inhibition of p38 Mitogen-activated Protein Kinase Antagonizes Cardiac Injury and Cell Death Following Ischemia-Reperfusion in Vivo. Journal of Biological Chemistry, 2004, 279, 15524-15530.	1.6	202
82	Cardiac-Specific Loss of N-Cadherin Leads to Alteration in Connexins With Conduction Slowing and Arrhythmogenesis. Circulation Research, 2005, 97, 474-481.	2.0	201
83	A Tension-Based Model Distinguishes Hypertrophic versus Dilated Cardiomyopathy. Cell, 2016, 165, 1147-1159.	13.5	193
84	Mechanisms of necroptosis in T cells. Journal of Experimental Medicine, 2011, 208, 633-641.	4.2	190
85	Critical role for the mitochondrial permeability transition pore and cyclophilin D in platelet activation and thrombosis. Blood, 2008, 111, 1257-1265.	0.6	189
86	PKCÎ± regulates the hypertrophic growth of cardiomyocytes through extracellular signalâ€“regulated kinase1/2 (ERK1/2). Journal of Cell Biology, 2002, 156, 905-919.	2.3	185
87	Inhibiting Fibronectin Attenuates Fibrosis and Improves Cardiac Function in a Model of Heart Failure. Circulation, 2018, 138, 1236-1252.	1.6	185
88	Calcium influx is sufficient to induce muscular dystrophy through a TRPC-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19023-19028.	3.3	184
89	Targeted inhibition of p38 MAPK promotes hypertrophic cardiomyopathy through upregulation of calcineurin-NFAT signaling. Journal of Clinical Investigation, 2003, 111, 1475-1486.	3.9	184
90	A Thrombospondin-Dependent Pathway forÂa Protective ER Stress Response. Cell, 2012, 149, 1257-1268.	13.5	178

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91	A threshold of GATA4 and GATA6 expression is required for cardiovascular development. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11189-11194.	3.3	170
92	Inhibition of mitochondrial permeability transition by deletion of the ANT family and CypD. Science Advances, 2019, 5, eaaw4597.	4.7	169
93	Defective T cell development and function in calcineurin AÂ-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9398-9403.	3.3	168
94	The Transcription Factors GATA4 and dHAND Physically Interact to Synergistically Activate Cardiac Gene Expression through a p300-dependent Mechanism. Journal of Biological Chemistry, 2002, 277, 24390-24398.	1.6	163
95	Genetic Loss of Calcineurin Blocks Mechanical Overload-induced Skeletal Muscle Fiber Type Switching but Not Hypertrophy. Journal of Biological Chemistry, 2004, 279, 26192-26200.	1.6	160
96	Myocyte Enhancer Factors 2A and 2C Induce Dilated Cardiomyopathy in Transgenic Mice*. Journal of Biological Chemistry, 2006, 281, 9152-9162.	1.6	160
97	The mitochondrial permeability transition pore in motor neurons: Involvement in the pathobiology of ALS mice. Experimental Neurology, 2009, 218, 333-346.	2.0	159
98	Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP. Gut, 2016, 65, 1333-1346.	6.1	159
99	c-Jun N-terminal kinases (JNK) antagonize cardiac growth through cross-talk with calcineurin-NFAT signaling. EMBO Journal, 2003, 22, 5079-5089.	3.5	157
100	Renaming the DSCR1 / Adapt78 gene family as RCAN : regulators of calcineurin. FASEB Journal, 2007, 21, 3023-3028.	0.2	157
101	Mitigation of muscular dystrophy in mice by SERCA overexpression in skeletal muscle. Journal of Clinical Investigation, 2011, 121, 1044-1052.	3.9	157
102	Re-employment of developmental transcription factors in adult heart disease. Seminars in Cell and Developmental Biology, 2007, 18, 117-131.	2.3	156
103	The IP ₃ Receptor Regulates Cardiac Hypertrophy in Response to Select Stimuli. Circulation Research, 2010, 107, 659-666.	2.0	154
104	Temporally Controlled Onset of Dilated Cardiomyopathy Through Disruption of the SRF Gene in Adult Heart. Circulation, 2005, 112, 2930-2939.	1.6	151
105	Interaction Between NFÎºB and NFAT Coordinates Cardiac Hypertrophy and Pathological Remodeling. Circulation Research, 2012, 110, 1077-1086.	2.0	151
106	The Dual-Specificity Phosphatase MKP-1 Limits the Cardiac Hypertrophic Response In Vitro and In Vivo. Circulation Research, 2001, 88, 88-96.	2.0	149
107	Altered Skeletal Muscle Phenotypes in Calcineurin AÎ± and AÎ² Gene-Targeted Mice. Molecular and Cellular Biology, 2003, 23, 4331-4343.	1.1	149
108	Preexisting endothelial cells mediate cardiac neovascularization after injury. Journal of Clinical Investigation, 2017, 127, 2968-2981.	3.9	146

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109	Decreased cardiac L-type Ca2+ channel activity induces hypertrophy and heart failure in mice. Journal of Clinical Investigation, 2012, 122, 280-290.	3.9	145
110	DUSP6 (MKP3) Null Mice Show Enhanced ERK1/2 Phosphorylation at Baseline and Increased Myocyte Proliferation in the Heart Affecting Disease Susceptibility. Journal of Biological Chemistry, 2008, 283, 31246-31255.	1.6	144
111	Calcineurin Expression, Activation, and Function in Cardiac Pressure-Overload Hypertrophy. Circulation, 2000, 101, 2431-2437.	1.6	143
112	Attenuation of cardiac remodeling after myocardial infarction by muscle LIM protein-calcineurin signaling at the sarcomeric Z-disc. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1655-1660.	3.3	143
113	Multiple Roles for the MyoD Basic Region in Transmission of Transcriptional Activation Signals and Interaction with MEF2. Molecular and Cellular Biology, 1998, 18, 69-77.	1.1	142
114	Calcineurin and cardiac hypertrophy: Where have we been? Where are we going?. Journal of Physiology, 2002, 541, 1-8.	1.3	141
115	Shigella Induces Mitochondrial Dysfunction and Cell Death in Nonmyleoid Cells. Cell Host and Microbe, 2009, 5, 123-136.	5.1	140
116	Pharmacological- and Gene Therapy-Based Inhibition of Protein Kinase CÎ±/Î² Enhances Cardiac Contractility and Attenuates Heart Failure. Circulation, 2006, 114, 574-582.	1.6	139
117	Direct and Indirect Interactions between Calcineurin-NFAT and MEK1-Extracellular Signal-Regulated Kinase 1/2 Signaling Pathways Regulate Cardiac Gene Expression and Cellular Growth. Molecular and Cellular Biology, 2005, 25, 865-878.	1.1	138
118	Identification of a Cooperative Mechanism Involving Interleukin-13 and Eotaxin-2 in Experimental Allergic Lung Inflammation. Journal of Biological Chemistry, 2005, 280, 13952-13961.	1.6	137
119	Extracellular Signal-Regulated Kinase 2 Interacts with and Is Negatively Regulated by the LIM-Only Protein FHL2 in Cardiomyocytes. Molecular and Cellular Biology, 2004, 24, 1081-1095.	1.1	136
120	PKCÎ± regulates platelet granule secretion and thrombus formation in mice. Journal of Clinical Investigation, 2009, 119, 399-407.	3.9	136
121	Increased Coupled Gating of L-Type Ca ²⁺ Channels During Hypertension and Timothy Syndrome. Circulation Research, 2010, 106, 748-756.	2.0	134
122	NFATc3 and NFATc4 Are Required for Cardiac Development and Mitochondrial Function. Circulation Research, 2003, 92, 1305-1313.	2.0	129
123	Unrestrained erythroblast development in Nix-/- mice reveals a mechanism for apoptotic modulation of erythropoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6794-6799.	3.3	129
124	CaMKII Negatively Regulates Calcineurinâ€"NFAT Signaling in Cardiac Myocytes. Circulation Research, 2009, 105, 316-325.	2.0	129
125	Moderate heart dysfunction in mice with inducible cardiomyocyte-specific excision of the Serca2 gene. Journal of Molecular and Cellular Cardiology, 2009, 47, 180-187.	0.9	128
126	Protein Kinase CÎ±, but Not PKCÎ² or PKCÎ³, Regulates Contractility and Heart Failure Susceptibility. Circulation Research, 2009, 105, 194-200.	2.0	127

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127	Interaction between TAK1â€“TAB1â€“TAB2 and RCAN1â€“calcineurin defines a signalling nodal control point. Nature Cell Biology, 2009, 11, 154-161.	4.6	127
128	Estrogen Attenuates Left Ventricular and Cardiomyocyte Hypertrophy by an Estrogen Receptorâ€“Dependent Pathway That Increases Calcineurin Degradation. Circulation Research, 2009, 104, 265-275.	2.0	125
129	Periostin as a Heterofunctional Regulator of Cardiac Development and Disease. Current Genomics, 2008, 9, 548-555.	0.7	124
130	The Î²-Catenin/T-Cell Factor/Lymphocyte Enhancer Factor Signaling Pathway Is Required for Normal and Stress-Induced Cardiac Hypertrophy. Molecular and Cellular Biology, 2006, 26, 4462-4473.	1.1	123
131	Cardiomyocytes fuse with surrounding noncardiomyocytes and reenter the cell cycle. Journal of Cell Biology, 2004, 167, 351-363.	2.3	122
132	Activated Notch Inhibits Myogenic Activity of the MADS-Box Transcription Factor Myocyte Enhancer Factor 2C. Molecular and Cellular Biology, 1999, 19, 2853-2862.	1.1	121
133	Modulatory calcineurin-interacting proteins 1 and 2 function as calcineurin facilitators in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7327-7332.	3.3	118
134	Deletion of periostin reduces muscular dystrophy and fibrosis in mice by modulating the transforming growth factor-Î² pathway. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10978-10983.	3.3	117
135	Regulated Necrotic Cell Death. Circulation Research, 2015, 116, 1800-1809.	2.0	116
136	Glycogen Synthase Kinase-3Î² Regulates Growth, Calcium Homeostasis, and Diastolic Function in the Heart. Journal of Biological Chemistry, 2004, 279, 21383-21393.	1.6	115
137	Endoplasmic reticulumâ€“mitochondria crosstalk in NIX-mediated murine cell death. Journal of Clinical Investigation, 2009, 119, 203-12.	3.9	115
138	Prevention of Cardiac Hypertrophy by Calcineurin Inhibition. Circulation Research, 1999, 84, 623-632.	2.0	114
139	Requirement of Nuclear Factor of Activated T-cells in Calcineurin-mediated Cardiomyocyte Hypertrophy. Journal of Biological Chemistry, 2002, 277, 48617-48626.	1.6	114
140	Activation of NFATc3 Down-regulates the Î²1 Subunit of Large Conductance, Calcium-activated K+ Channels in Arterial Smooth Muscle and Contributes to Hypertension. Journal of Biological Chemistry, 2007, 282, 3231-3240.	1.6	113
141	A Critical Function for Ser-282 in Cardiac Myosin Binding Protein-C Phosphorylation and Cardiac Function. Circulation Research, 2011, 109, 141-150.	2.0	113
142	Identifying the components of the elusive mitochondrial permeability transition pore. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10396-10397.	3.3	113
143	Calcineurin and human heart failure. Nature Medicine, 1999, 5, 246-247.	15.2	112
144	Abnormalities of the Genitourinary Tract in Female Mice Lacking GATA5. Molecular and Cellular Biology, 2000, 20, 5256-5260.	1.1	112

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145	Manipulating Cardiac Contractility in Heart Failure. Circulation, 2004, 109, 150-158.	1.6	112
146	A Caveolae-Targeted L-Type Ca ²⁺ Channel Antagonist Inhibits Hypertrophic Signaling Without Reducing Cardiac Contractility. Circulation Research, 2012, 110, 669-674.	2.0	112
147	Divergent transcriptional responses to independent genetic causes of cardiac hypertrophy. Physiological Genomics, 2001, 6, 19-28.	1.0	111
148	Direct Activation of a GATA6 Cardiac Enhancer by Nkx2.5: Evidence for a Reinforcing Regulatory Network of Nkx2.5 and GATA Transcription Factors in the Developing Heart. Developmental Biology, 2000, 217, 301-309.	0.9	110
149	Blockade of Hsp20 Phosphorylation Exacerbates Cardiac Ischemia/Reperfusion Injury by Suppressed Autophagy and Increased Cell Death. Circulation Research, 2009, 105, 1223-1231.	2.0	110
150	Extracellular signalâ€regulated kinase 1/2 (ERK1/2) signaling in cardiac hypertrophy. Annals of the New York Academy of Sciences, 2010, 1188, 96-102.	1.8	109
151	Mechanisms Underlying Heterogeneous Ca2+ Sparklet Activity in Arterial Smooth Muscle. Journal of General Physiology, 2006, 127, 611-622.	0.9	108
152	Erk Negative Feedback Control Enables Pre-B Cell Transformation and Represents a Therapeutic Target in Acute Lymphoblastic Leukemia. Cancer Cell, 2015, 28, 114-128.	7.7	107
153	Genetic Inhibition or Activation of JNK1/2 Protects the Myocardium from Ischemia-Reperfusion-induced Cell Death in Vivo. Journal of Biological Chemistry, 2005, 280, 32602-32608.	1.6	105
154	Differential expression of embryonic epicardial progenitor markers and localization of cardiac fibrosis in adult ischemic injury and hypertensive heart disease. Journal of Molecular and Cellular Cardiology, 2013, 65, 108-119.	0.9	105
155	Cross-regulation of Novel Protein Kinase C (PKC) Isoform Function in Cardiomyocytes. Journal of Biological Chemistry, 2003, 278, 14555-14564.	1.6	103
156	MEKK1 Transduces Activin Signals in Keratinocytes To Induce Actin Stress Fiber Formation and Migration. Molecular and Cellular Biology, 2005, 25, 60-65.	1.1	103
157	Genetic Manipulation of Periostin Expression in the Heart Does Not Affect Myocyte Content, Cell Cycle Activity, or Cardiac Repair. Circulation Research, 2009, 104, e1-7.	2.0	103
158	Genetic manipulation of the cardiac mitochondrial phosphate carrier does not affect permeability transition. Journal of Molecular and Cellular Cardiology, 2014, 72, 316-325.	0.9	103
159	Regulation of MEF2 by p38 MAPK and Its Implication in Cardiomyocyte Biology. Trends in Cardiovascular Medicine, 2000, 10, 19-22.	2.3	101
160	Transient Receptor Potential Channels Contribute to Pathological Structural and Functional Remodeling After Myocardial Infarction. Circulation Research, 2014, 115, 567-580.	2.0	101
161	The DnaJ-Related Factor Mrj Interacts with Nuclear Factor of Activated T Cells c3 and Mediates Transcriptional Repression through Class II Histone Deacetylase Recruitment. Molecular and Cellular Biology, 2005, 25, 9936-9948.	1.1	100
162	Calcium influx through Cav1.2 is a proximal signal for pathological cardiomyocyte hypertrophy. Journal of Molecular and Cellular Cardiology, 2011, 50, 460-470.	0.9	100

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163	Mediating ERK1/2 signaling rescues congenital heart defects in a mouse model of Noonan syndrome. Journal of Clinical Investigation, 2007, 117, 2123-2132.	3.9	100
164	Phosphorylation of the MADS-Box Transcription Factor MEF2C Enhances Its DNA Binding Activity. Journal of Biological Chemistry, 1996, 271, 17199-17204.	1.6	99
165	Proteasome functional insufficiency activates the calcineurinâ€"NFAT pathway in cardiomyocytes and promotes maladaptive remodelling of stressed mouse hearts. Cardiovascular Research, 2010, 88, 424-433.	1.8	99
166	Myostatin from the heart: local and systemic actions in cardiac failure and muscle wasting. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1973-H1982.	1.5	97
167	STIM1 elevation in the heart results in aberrant Ca2+ handling and cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2015, 87, 38-47.	0.9	97
168	Calcineurin and hypertrophic heart disease: novel insights and remaining questions. Cardiovascular Research, 2002, 53, 806-821.	1.8	96
169	With great power comes great responsibility: Using mouse genetics to study cardiac hypertrophy and failure. Journal of Molecular and Cellular Cardiology, 2009, 46, 130-136.	0.9	96
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