

# Jeffery D Molkentin

## List of Publications by Citations

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404  
papers

50,206  
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116  
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211  
g-index

430  
ext. papers

56,482  
ext. citations

12.1  
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7.66  
L-index

#	Paper	IF	Citations
404	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
403	A calcineurin-dependent transcriptional pathway for cardiac hypertrophy. <i>Cell</i> , <b>1998</b> , 93, 215-28	56.2	2152
402	Loss of cyclophilin D reveals a critical role for mitochondrial permeability transition in cell death. <i>Nature</i> , <b>2005</b> , 434, 658-62	50.4	1779
401	Regulation of cardiac hypertrophy by intracellular signalling pathways. <i>Nature Reviews Molecular Cell Biology</i> , <b>2006</b> , 7, 589-600	48.7	1465
400	Requirement of the transcription factor GATA4 for heart tube formation and ventral morphogenesis. <i>Genes and Development</i> , <b>1997</b> , 11, 1061-72	12.6	904
399	Voltage-dependent anion channels are dispensable for mitochondrial-dependent cell death. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 550-5	23.4	751
398	Cooperative activation of muscle gene expression by MEF2 and myogenic bHLH proteins. <i>Cell</i> , <b>1995</b> , 83, 1125-36	56.2	708
397	Cyclophilin D deficiency attenuates mitochondrial and neuronal perturbation and ameliorates learning and memory in Alzheimer's disease. <i>Nature Medicine</i> , <b>2008</b> , 14, 1097-105	50.5	707
396	The zinc finger-containing transcription factors GATA-4, -5, and -6. Ubiquitously expressed regulators of tissue-specific gene expression. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 38949-52	5.4	666
395	Evidence from a genetic fate-mapping study that stem cells refresh adult mammalian cardiomyocytes after injury. <i>Nature Medicine</i> , <b>2007</b> , 13, 970-4	50.5	621
394	c-kit <sup>+</sup> cells minimally contribute cardiomyocytes to the heart. <i>Nature</i> , <b>2014</b> , 509, 337-41	50.4	603
393	Calcineurin/NFAT coupling participates in pathological, but not physiological, cardiac hypertrophy. <i>Circulation Research</i> , <b>2004</b> , 94, 110-8	15.7	584
392	Cytoplasmic signaling pathways that regulate cardiac hypertrophy. <i>Annual Review of Physiology</i> , <b>2001</b> , 63, 391-426	23.1	561
391	PKC-alpha regulates cardiac contractility and propensity toward heart failure. <i>Nature Medicine</i> , <b>2004</b> , 10, 248-54	50.5	479
390	Temporally regulated and tissue-specific gene manipulations in the adult and embryonic heart using a tamoxifen-inducible Cre protein. <i>Circulation Research</i> , <b>2001</b> , 89, 20-5	15.7	476
389	The transforming growth factor-beta superfamily member growth-differentiation factor-15 protects the heart from ischemia/reperfusion injury. <i>Circulation Research</i> , <b>2006</b> , 98, 351-60	15.7	458
388	Periostin regulates collagen fibrillogenesis and the biomechanical properties of connective tissues. <i>Journal of Cellular Biochemistry</i> , <b>2007</b> , 101, 695-711	4.7	435

387	Genetic lineage tracing defines myofibroblast origin and function in the injured heart. <i>Nature Communications</i> , <b>2016</b> , 7, 12260	17.4	410
386	Molecular pathways underlying cardiac remodeling during pathophysiological stimulation. <i>Circulation</i> , <b>2010</b> , 122, 2727-35	16.7	405
385	Defining the regulatory networks for muscle development. <i>Current Opinion in Genetics and Development</i> , <b>1996</b> , 6, 445-53	4.9	397
384	Genetic manipulation of periostin expression reveals a role in cardiac hypertrophy and ventricular remodeling. <i>Circulation Research</i> , <b>2007</b> , 101, 313-21	15.7	367
383	Prevention of cardiac hypertrophy in mice by calcineurin inhibition. <i>Science</i> , <b>1998</b> , 281, 1690-3	33.3	367
382	Differential activation of signal transduction pathways in human hearts with hypertrophy versus advanced heart failure. <i>Circulation</i> , <b>2001</b> , 103, 670-7	16.7	359
381	Calcium-calcineurin signaling in the regulation of cardiac hypertrophy. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 322, 1178-91	3.4	356
380	Fibroblast-specific TGF- $\beta$ -Smad2/3 signaling underlies cardiac fibrosis. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3770-3783	15.9	354
379	Sarcoplipin is a newly identified regulator of muscle-based thermogenesis in mammals. <i>Nature Medicine</i> , <b>2012</b> , 18, 1575-9	50.5	353
378	Molecular basis of physiological heart growth: fundamental concepts and new players. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 38-48	48.7	347
377	Calcineurin-NFAT signaling regulates the cardiac hypertrophic response in coordination with the MAPKs. <i>Cardiovascular Research</i> , <b>2004</b> , 63, 467-75	9.9	343
376	Cardiac-specific deletion of Gata4 reveals its requirement for hypertrophy, compensation, and myocyte viability. <i>Circulation Research</i> , <b>2006</b> , 98, 837-45	15.7	339
375	GDF15/MIC-1 functions as a protective and antihypertrophic factor released from the myocardium in association with SMAD protein activation. <i>Circulation Research</i> , <b>2006</b> , 98, 342-50	15.7	337
374	Involvement of extracellular signal-regulated kinases 1/2 in cardiac hypertrophy and cell death. <i>Circulation Research</i> , <b>2002</b> , 91, 776-81	15.7	325
373	Ca <sup>2+</sup> - and mitochondrial-dependent cardiomyocyte necrosis as a primary mediator of heart failure. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 2431-44	15.9	317
372	FoxO transcription factors promote autophagy in cardiomyocytes. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28319-28331	5.4	313
371	Signaling effectors underlying pathologic growth and remodeling of the heart. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 37-45	15.9	307
370	Animal models of heart failure: a scientific statement from the American Heart Association. <i>Circulation Research</i> , <b>2012</b> , 111, 131-50	15.7	294

369	Cardiomyocyte Regeneration: A Consensus Statement. <i>Circulation</i> , <b>2017</b> , 136, 680-686	16.7	287
368	Cyclophilin D controls mitochondrial pore-dependent Ca(2+) exchange, metabolic flexibility, and propensity for heart failure in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 3680-7	15.9	286
367	STRESS signaling pathways that modulate cardiac myocyte apoptosis. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2005</b> , 38, 47-62	5.8	281
366	A redox-dependent pathway for regulating class II HDACs and cardiac hypertrophy. <i>Cell</i> , <b>2008</b> , 133, 978-982	36.2	274
365	The transcription factors GATA4 and GATA6 regulate cardiomyocyte hypertrophy in vitro and in vivo. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 30245-53	5.4	271
364	Genetic and pharmacologic inhibition of mitochondrial-dependent necrosis attenuates muscular dystrophy. <i>Nature Medicine</i> , <b>2008</b> , 14, 442-7	50.5	269
363	Specialized fibroblast differentiated states underlie scar formation in the infarcted mouse heart. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 2127-2143	15.9	259
362	Induced deletion of the N-cadherin gene in the heart leads to dissolution of the intercalated disc structure. <i>Circulation Research</i> , <b>2005</b> , 96, 346-54	15.7	258
361	Physiological and pathological roles of the mitochondrial permeability transition pore in the heart. <i>Cell Metabolism</i> , <b>2015</b> , 21, 206-214	24.6	256
360	Conditional dicer gene deletion in the postnatal myocardium provokes spontaneous cardiac remodeling. <i>Circulation</i> , <b>2008</b> , 118, 1567-76	16.7	251
359	A calcineurin-NFATc3-dependent pathway regulates skeletal muscle differentiation and slow myosin heavy-chain expression. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 6600-11	4.8	251
358	Periostin is required for maturation and extracellular matrix stabilization of noncardiomyocyte lineages of the heart. <i>Circulation Research</i> , <b>2008</b> , 102, 752-60	15.7	250
357	Targeted inhibition of p38 MAPK promotes hypertrophic cardiomyopathy through upregulation of calcineurin-NFAT signaling. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1475-1486	15.9	245
356	Proper coronary vascular development and heart morphogenesis depend on interaction of GATA-4 with FOG cofactors. <i>Genes and Development</i> , <b>2001</b> , 15, 839-44	12.6	244
355	FoxO transcription factors promote cardiomyocyte survival upon induction of oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 7468-78	5.4	242
354	Redefining the identity of cardiac fibroblasts. <i>Nature Reviews Cardiology</i> , <b>2017</b> , 14, 484-491	14.8	232
353	A TRPC6-dependent pathway for myofibroblast transdifferentiation and wound healing in vivo. <i>Developmental Cell</i> , <b>2012</b> , 23, 705-15	10.2	229
352	TRPC channels are necessary mediators of pathologic cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 7000-5	11.5	223

351	Inhibition of calcineurin-NFAT hypertrophy signaling by cGMP-dependent protein kinase type I in cardiac myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 11363-8	11.5	223
350	Calcineurin-dependent cardiomyopathy is activated by TRPC in the adult mouse heart. <i>FASEB Journal</i> , <b>2006</b> , 20, 1660-70	0.9	222
349	An acute immune response underlies the benefit of cardiac stem cell therapy. <i>Nature</i> , <b>2020</b> , 577, 405-409	0.4	222
348	The transcription factor GATA4 is activated by extracellular signal-regulated kinase 1- and 2-mediated phosphorylation of serine 105 in cardiomyocytes. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 7460-9	4.8	221
347	Targeted disruption of NFATc3, but not NFATc4, reveals an intrinsic defect in calcineurin-mediated cardiac hypertrophic growth. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 7603-13	4.8	217
346	The Mitochondrial Calcium Uniporter Selectively Matches Metabolic Output to Acute Contractile Stress in the Heart. <i>Cell Reports</i> , <b>2015</b> , 12, 15-22	10.6	214
345	Impaired cardiac hypertrophic response in Calcineurin Abeta -deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4586-91	11.5	214
344	Myofibroblasts: trust your heart and let fate decide. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 70, 9-18	5.8	211
343	Regulation of angiogenesis by a non-canonical Wnt-Flt1 pathway in myeloid cells. <i>Nature</i> , <b>2011</b> , 474, 511-5	50.4	204
342	The mitochondrial Na/Ca exchanger is essential for Ca homeostasis and viability. <i>Nature</i> , <b>2017</b> , 545, 93-97	30.4	203
341	The permeability transition pore controls cardiac mitochondrial maturation and myocyte differentiation. <i>Developmental Cell</i> , <b>2011</b> , 21, 469-78	10.2	197
340	Calcineurin-mediated hypertrophy protects cardiomyocytes from apoptosis in vitro and in vivo: An apoptosis-independent model of dilated heart failure. <i>Circulation Research</i> , <b>2000</b> , 86, 255-63	15.7	193
339	Redefining the roles of p38 and JNK signaling in cardiac hypertrophy: dichotomy between cultured myocytes and animal models. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2003</b> , 35, 1385-94	5.8	192
338	Calcineurin and beyond: cardiac hypertrophic signaling. <i>Circulation Research</i> , <b>2000</b> , 87, 731-8	15.7	192
337	TRPC channels as effectors of cardiac hypertrophy. <i>Circulation Research</i> , <b>2011</b> , 108, 265-72	15.7	190
336	Physiologic functions of cyclophilin D and the mitochondrial permeability transition pore. <i>Circulation Journal</i> , <b>2013</b> , 77, 1111-22	2.9	187
335	A series of mutations in the D-MEF2 transcription factor reveal multiple functions in larval and adult myogenesis in Drosophila. <i>Developmental Biology</i> , <b>1995</b> , 171, 169-81	3.1	187
334	Genetic inhibition of cardiac ERK1/2 promotes stress-induced apoptosis and heart failure but has no effect on hypertrophy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14074-9	11.5	181

333	Tissue-specific GATA factors are transcriptional effectors of the small GTPase RhoA. <i>Genes and Development</i> , <b>2001</b> , 15, 2702-19	12.6	181
332	Cardiomyocyte GATA4 functions as a stress-responsive regulator of angiogenesis in the murine heart. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 3198-210	15.9	181
331	An emerging consensus on cardiac regeneration. <i>Nature Medicine</i> , <b>2014</b> , 20, 1386-93	50.5	180
330	Targeted inhibition of p38 mitogen-activated protein kinase antagonizes cardiac injury and cell death following ischemia-reperfusion in vivo. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 15524-30	5.4	180
329	Bax and Bak function as the outer membrane component of the mitochondrial permeability pore in regulating necrotic cell death in mice. <i>ELife</i> , <b>2013</b> , 2, e00772	8.9	180
328	Cardiac-specific loss of N-cadherin leads to alteration in connexins with conduction slowing and arrhythmogenesis. <i>Circulation Research</i> , <b>2005</b> , 97, 474-81	15.7	179
327	Calcineurin promotes protein kinase C and c-Jun NH2-terminal kinase activation in the heart. Cross-talk between cardiac hypertrophic signaling pathways. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 13571-9	5.4	177
326	MEK1-ERK2 signaling pathway protects myocardium from ischemic injury in vivo. <i>Circulation</i> , <b>2004</b> , 109, 1938-41	16.7	174
325	Genetic deletion of myostatin from the heart prevents skeletal muscle atrophy in heart failure. <i>Circulation</i> , <b>2010</b> , 121, 419-25	16.7	169
324	Extracellular signal-regulated kinases 1 and 2 regulate the balance between eccentric and concentric cardiac growth. <i>Circulation Research</i> , <b>2011</b> , 108, 176-83	15.7	168
323	Mechanisms of necroptosis in T cells. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 633-41	16.6	167
322	PKC alpha regulates the hypertrophic growth of cardiomyocytes through extracellular signal-regulated kinase1/2 (ERK1/2). <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 905-19	7.3	161
321	Calcium influx is sufficient to induce muscular dystrophy through a TRPC-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19023-8	11.5	158
320	Fibroblast-Specific Genetic Manipulation of p38 Mitogen-Activated Protein Kinase In Vivo Reveals Its Central Regulatory Role in Fibrosis. <i>Circulation</i> , <b>2017</b> , 136, 549-561	16.7	157
319	Critical role for the mitochondrial permeability transition pore and cyclophilin D in platelet activation and thrombosis. <i>Blood</i> , <b>2008</b> , 111, 1257-65	2.2	155
318	Defective T cell development and function in calcineurin A beta -deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 9398-403	11.5	151
317	A thrombospondin-dependent pathway for a protective ER stress response. <i>Cell</i> , <b>2012</b> , 149, 1257-68	56.2	146
316	A threshold of GATA4 and GATA6 expression is required for cardiovascular development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 11189-94	11.5	145

3 <sup>15</sup>	Re-employment of developmental transcription factors in adult heart disease. <i>Seminars in Cell and Developmental Biology</i> , <b>2007</b> , 18, 117-31	7.5	145
3 <sup>14</sup>	Genetic loss of calcineurin blocks mechanical overload-induced skeletal muscle fiber type switching but not hypertrophy. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 26192-200	5.4	145
3 <sup>13</sup>	Myocyte enhancer factors 2A and 2C induce dilated cardiomyopathy in transgenic mice. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 9152-62	5.4	144
3 <sup>12</sup>	The dual-specificity phosphatase MKP-1 limits the cardiac hypertrophic response in vitro and in vivo. <i>Circulation Research</i> , <b>2001</b> , 88, 88-96	15.7	144
3 <sup>11</sup>	Targeted inhibition of p38 MAPK promotes hypertrophic cardiomyopathy through upregulation of calcineurin-NFAT signaling. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1475-86	15.9	143
3 <sup>10</sup>	Altered skeletal muscle phenotypes in calcineurin Aalpha and Abeta gene-targeted mice. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 4331-43	4.8	142
3 <sup>09</sup>	Renaming the DSCR1/Adapt78 gene family as RCAN: regulators of calcineurin. <i>FASEB Journal</i> , <b>2007</b> , 21, 3023-8	0.9	138
3 <sup>08</sup>	Temporally controlled onset of dilated cardiomyopathy through disruption of the SRF gene in adult heart. <i>Circulation</i> , <b>2005</b> , 112, 2930-9	16.7	137
3 <sup>07</sup>	The transcription factors GATA4 and dHAND physically interact to synergistically activate cardiac gene expression through a p300-dependent mechanism. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 24390-8	5.4	135
3 <sup>06</sup>	Interaction between NFB and NFAT coordinates cardiac hypertrophy and pathological remodeling. <i>Circulation Research</i> , <b>2012</b> , 110, 1077-86	15.7	134
3 <sup>05</sup>	The IP3 receptor regulates cardiac hypertrophy in response to select stimuli. <i>Circulation Research</i> , <b>2010</b> , 107, 659-66	15.7	131
3 <sup>04</sup>	The mitochondrial permeability transition pore in motor neurons: involvement in the pathobiology of ALS mice. <i>Experimental Neurology</i> , <b>2009</b> , 218, 333-46	5.7	130
3 <sup>03</sup>	Calcineurin expression, activation, and function in cardiac pressure-overload hypertrophy. <i>Circulation</i> , <b>2000</b> , 101, 2431-7	16.7	130
3 <sup>02</sup>	c-Jun N-terminal kinases (JNK) antagonize cardiac growth through cross-talk with calcineurin-NFAT signaling. <i>EMBO Journal</i> , <b>2003</b> , 22, 5079-89	13	128
3 <sup>01</sup>	Attenuation of cardiac remodeling after myocardial infarction by muscle LIM protein-calcineurin signaling at the sarcomeric Z-disc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1655-60	11.5	128
3 <sup>00</sup>	Multiple roles for the MyoD basic region in transmission of transcriptional activation signals and interaction with MEF2. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 69-77	4.8	128
2 <sup>99</sup>	Mitigation of muscular dystrophy in mice by SERCA overexpression in skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1044-52	15.9	126
2 <sup>98</sup>	PKCalpha regulates platelet granule secretion and thrombus formation in mice. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 399-407	15.9	124

297	Shigella induces mitochondrial dysfunction and cell death in nonmyleoid cells. <i>Cell Host and Microbe</i> , <b>2009</b> , 5, 123-36	23.4	123
296	Identification of a cooperative mechanism involving interleukin-13 and eotaxin-2 in experimental allergic lung inflammation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 13952-61	5.4	123
295	Decreased cardiac L-type Ca <sup>2+</sup> channel activity induces hypertrophy and heart failure in mice. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 280-90	15.9	123
294	Pharmacological- and gene therapy-based inhibition of protein kinase Calpha/beta enhances cardiac contractility and attenuates heart failure. <i>Circulation</i> , <b>2006</b> , 114, 574-82	16.7	122
293	A Tension-Based Model Distinguishes Hypertrophic versus Dilated Cardiomyopathy. <i>Cell</i> , <b>2016</b> , 165, 1147-51	15.9	122
292	Extracellular signal-regulated kinase 2 interacts with and is negatively regulated by the LIM-only protein FHL2 in cardiomyocytes. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 1081-95	4.8	121
291	Direct and indirect interactions between calcineurin-NFAT and MEK1-extracellular signal-regulated kinase 1/2 signaling pathways regulate cardiac gene expression and cellular growth. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 865-78	4.8	121
290	Moderate heart dysfunction in mice with inducible cardiomyocyte-specific excision of the Serca2 gene. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 47, 180-7	5.8	119
289	DUSP6 (MKP3) null mice show enhanced ERK1/2 phosphorylation at baseline and increased myocyte proliferation in the heart affecting disease susceptibility. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 31246-55	5.4	118
288	Activated notch inhibits myogenic activity of the MADS-Box transcription factor myocyte enhancer factor 2C. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 2853-62	4.8	116
287	Unrestrained erythroblast development in Nix <sup>-/-</sup> mice reveals a mechanism for apoptotic modulation of erythropoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 6794-9	11.5	115
286	Calcineurin and cardiac hypertrophy: where have we been? Where are we going?. <i>Journal of Physiology</i> , <b>2002</b> , 541, 1-8	3.9	115
285	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. <i>Circulation Research</i> , <b>2009</b> , 105, 194-200	15.7	113
284	The beta-catenin/T-cell factor/lymphocyte enhancer factor signaling pathway is required for normal and stress-induced cardiac hypertrophy. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 4462-73	4.8	113
283	Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP. <i>Gut</i> , <b>2016</b> , 65, 1333-46	19.2	110
282	NFATc3 and NFATc4 are required for cardiac development and mitochondrial function. <i>Circulation Research</i> , <b>2003</b> , 92, 1305-13	15.7	108
281	Cardiomyocytes fuse with surrounding noncardiomyocytes and reenter the cell cycle. <i>Journal of Cell Biology</i> , <b>2004</b> , 167, 351-63	7.3	107
280	Abnormalities of the genitourinary tract in female mice lacking GATA5. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 5256-60	4.8	106



279	Calcineurin and human heart failure. <i>Nature Medicine</i> , <b>1999</b> , 5, 246-7	50.5	106
278	Increased coupled gating of L-type Ca <sup>2+</sup> channels during hypertension and Timothy syndrome. <i>Circulation Research</i> , <b>2010</b> , 106, 748-56	15.7	105
277	Estrogen attenuates left ventricular and cardiomyocyte hypertrophy by an estrogen receptor-dependent pathway that increases calcineurin degradation. <i>Circulation Research</i> , <b>2009</b> , 104, 265-75, 11p following 275	15.7	104
276	CaMKII negatively regulates calcineurin-NFAT signaling in cardiac myocytes. <i>Circulation Research</i> , <b>2009</b> , 105, 316-25	15.7	104
275	Periostin as a heterofunctional regulator of cardiac development and disease. <i>Current Genomics</i> , <b>2008</b> , 9, 548-55	2.6	104
274	Endoplasmic reticulum-mitochondria crosstalk in NIX-mediated murine cell death. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 203-12	15.9	104
273	Interaction between TAK1-TAB1-TAB2 and RCAN1-calcineurin defines a signalling nodal control point. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 154-61	23.4	103
272	Prevention of cardiac hypertrophy by calcineurin inhibition: hope or hype?. <i>Circulation Research</i> , <b>1999</b> , 84, 623-32	15.7	102
271	Modulatory calcineurin-interacting proteins 1 and 2 function as calcineurin facilitators in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 7327-32	11.5	101
270	Divergent transcriptional responses to independent genetic causes of cardiac hypertrophy. <i>Physiological Genomics</i> , <b>2001</b> , 6, 19-28	3.6	101
269	A caveolae-targeted L-type Ca <sup>2+</sup> channel antagonist inhibits hypertrophic signaling without reducing cardiac contractility. <i>Circulation Research</i> , <b>2012</b> , 110, 669-74	15.7	100
268	Extracellular signal-regulated kinase 1/2 (ERK1/2) signaling in cardiac hypertrophy. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1188, 96-102	6.5	99
267	Glycogen synthase kinase-3beta regulates growth, calcium homeostasis, and diastolic function in the heart. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 21383-93	5.4	99
266	Activation of NFATc3 down-regulates the beta1 subunit of large conductance, calcium-activated K <sup>+</sup> channels in arterial smooth muscle and contributes to hypertension. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 3231-40	5.4	98
265	Cross-regulation of novel protein kinase C (PKC) isoform function in cardiomyocytes. Role of PKC epsilon in activation loop phosphorylations and PKC delta in hydrophobic motif phosphorylations. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 14555-64	5.4	97
264	Requirement of nuclear factor of activated T-cells in calcineurin-mediated cardiomyocyte hypertrophy. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 48617-26	5.4	97
263	Preexisting endothelial cells mediate cardiac neovascularization after injury. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2968-2981	15.9	97
262	Mechanisms underlying heterogeneous Ca <sup>2+</sup> sparklet activity in arterial smooth muscle. <i>Journal of General Physiology</i> , <b>2006</b> , 127, 611-22	3.4	96

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