Jeffery D Molkentin

List of Publications by Year in Descending Order

404 papers	50,206 citations	116 h-index	211 g-index
430 ext. papers	56,482 ext. citations	12.1 avg, IF	7.66 L-index

#	Paper	IF	Citations
404	Fibroblasts orchestrate cellular crosstalk in the heart through the ECM **2022**, 1, 312-321		1
403	A high-throughput screening identifies ZNF418 as a novel regulator of the ubiquitin-proteasome system and autophagy-lysosomal pathway. *Autophagy*, **2021**, 17, 3124-3139	10.2	2
402	Refined CLARITY-Based Tissue Clearing for Three-Dimensional Fibroblast Organization in Healthy and Injured Mouse Hearts. *Journal of Visualized Experiments*, **2021**,	1.6	2
401	Thbs1 induces lethal cardiac atrophy through PERK-ATF4 regulated autophagy. *Nature Communications*, **2021**, 12, 3928	17.4	9
400	Seroprevalence of SARS-CoV-2 infection in Cincinnati Ohio USA from August to December 2020. *PLoS ONE*, **2021**, 16, e0254667	3.7	0
399	Cysteine 202 of cyclophilin D is a site of multiple post-translational modifications and plays a role in cardioprotection. *Cardiovascular Research*, **2021**, 117, 212-223	9.9	13
398	Interleukin-1dependent survival of cardiac fibroblasts is associated with StAR/STARD1 expression and improved cardiac remodeling and function after myocardial infarction. *Journal of Molecular and Cellular Cardiology*, **2021**, 155, 125-137	5.8	2
397	Cardiac Cell Therapy Fails to Rejuvenate the Chronically Scarred Rodent Heart. *Circulation*, **2021**, 144, 328-331	16.7	3
396	Nanoparticle Delivery of STAT3 Alleviates Pulmonary Hypertension in a Mouse Model of Alveolar Capillary Dysplasia. *Circulation*, **2021**, 144, 539-555	16.7	5
395	Resident macrophages keep mitochondria running in the heart. *Cell Research*, **2020**, 30, 1057-1058	24.7	1
394	MCUb Induction Protects the Heart From Postischemic Remodeling. *Circulation Research*, **2020**, 127, 379-390	15.7	15
393	Cardiac Cell Therapy Rejuvenates the Infarcted Rodent Heart via Direct Injection but Not by Vascular Infusion. *Circulation*, **2020**, 141, 1037-1039	16.7	5
392	Hyperglycemia Acutely Increases Cytosolic Reactive Oxygen Species via -linked GlcNAcylation and CaMKII Activation in Mouse Ventricular Myocytes. *Circulation Research*, **2020**, 126, e80-e96	15.7	36
391	Type 2 diabetes risk gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. *Journal of Clinical Investigation*, **2020**, 130, 6093-6108	15.9	9
390	A 20/20 view of ANT function in mitochondrial biology and necrotic cell death. *Journal of Molecular and Cellular Cardiology*, **2020**, 144, A3-A13	5.8	23
389	An acute immune response underlies the benefit of cardiac stem cell therapy. *Nature*, **2020**, 577, 405-409	30.4	222
388	MEF2C repressor variant deregulation leads to cell cycle re-entry and development of heart failure. *EBioMedicine*, **2020**, 51, 102571	8.8	8

387	A novel class of cardioprotective small-molecule PTP inhibitors. *Pharmacological Research*, **2020**, 151, 104548	10.2	16
386	A specialized population of Periostin-expressing cardiac fibroblasts contributes to postnatal cardiomyocyte maturation and innervation. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21469-21479	11.5	11
385	Ontogeny of arterial macrophages defines their functions in homeostasis and inflammation. *Nature Communications*, **2020**, 11, 4549	17.4	24
384	Inhibition of mitochondrial permeability transition by deletion of the ANT family and CypD. *Science Advances*, **2019**, 5, eaaw4597	14.3	91
383	The EYA3 tyrosine phosphatase activity promotes pulmonary vascular remodeling in pulmonary arterial hypertension. *Nature Communications*, **2019**, 10, 4143	17.4	19
382	Disruption of valosin-containing protein activity causes cardiomyopathy and reveals pleiotropic functions in cardiac homeostasis. *Journal of Biological Chemistry*, **2019**, 294, 8918-8929	5.4	6
381	Overlapping and differential functions of ATF6 versus ATF6 in the mouse heart. *Scientific Reports* , **2019**, 9, 2059	4.9	17
380	Hippo signaling does it again: arbitrating cardiac fibroblast identity and activation. *Genes and Development*, **2019**, 33, 1457-1459	12.6	6
379	CARdiac Immunotherapy: T Cells Engineered to Treat the Fibrotic Heart. *Molecular Therapy*, **2019**, 27, 1869-1871	11.7	8
378	ERK1/2 signaling induces skeletal muscle slow fiber-type switching and reduces muscular dystrophy disease severity. *JCI Insight*, **2019**, 5,	9.9	28
377	Cell-specific ablation of Hsp47 defines the collagen-producing cells in the injured heart. *JCI Insight*, **2019**, 4, e128722	9.9	29
376	Palmitoylation-Dependent Regulation of RhoGTPase Signaling and Cardiac Pathophysiology. *FASEB Journal*, **2019**, 33, 632.1	0.9	
375	Stiffness of thermoresponsive gelatin-based dynamic hydrogels affects fibroblast activation. *Polymer Chemistry*, **2019**, 10, 6360-6367	4.9	9
374	Cardiac-specific deficiency of the mitochondrial calcium uniporter augments fatty acid oxidation and functional reserve. *Journal of Molecular and Cellular Cardiology*, **2019**, 127, 223-231	5.8	16
373	Thrombospondin-3 augments injury-induced cardiomyopathy by intracellular integrin inhibition and sarcolemmal instability. *Nature Communications*, **2019**, 10, 76	17.4	23
372	Gata4-Dependent Differentiation of c-Kit-Derived Endothelial Cells Underlies Artefactual Cardiomyocyte Regeneration in the Heart. *Circulation*, **2018**, 138, 1012-1024	16.7	25
371	Inhibiting Fibronectin Attenuates Fibrosis and Improves Cardiac Function in a Model of Heart Failure. *Circulation*, **2018**, 138, 1236-1252	16.7	93
370	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160

369	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
368	Defective Flux of Thrombospondin-4 through the Secretory Pathway Impairs Cardiomyocyte Membrane Stability and Causes Cardiomyopathy. *Molecular and Cellular Biology*, **2018**, 38,	4.8	8
367	Identity of the elusive mitochondrial permeability transition pore: what it might be, what it was, and what it still could be. *Current Opinion in Physiology*, **2018**, 3, 57-62	2.6	8
366	van Berlo et al. reply. *Nature*, **2018**, 555, E18	50.4	7
365	New Myocyte Formation in the Adult Heart: Endogenous Sources and Therapeutic Implications. *Circulation Research*, **2018**, 123, 159-176	15.7	38
364	Genetic Lineage Tracing of Sca-1 Cells Reveals Endothelial but Not Myogenic Contribution to the Murine Heart. *Circulation*, **2018**, 138, 2931-2939	16.7	59
363	Genetic Reduction in Left Ventricular Protein Kinase C-β and Adverse Ventricular Remodeling in Human Subjects. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001901	5.2	4
362	The mitochondrial calcium uniporter underlies metabolic fuel preference in skeletal muscle. *JCI Insight*, **2018**, 3,	9.9	35
361	Specialized fibroblast differentiated states underlie scar formation in the infarcted mouse heart. *Journal of Clinical Investigation*, **2018**, 128, 2127-2143	15.9	259
360	Evidence for Minimal Cardiogenic Potential of Stem Cell Antigen 1-Positive Cells in the Adult Mouse Heart. *Circulation*, **2018**, 138, 2960-2962	16.7	27
359	Myofibroblast-Specific TGFβ Receptor II Signaling in the Fibrotic Response to Cardiac Myosin Binding Protein C-Induced Cardiomyopathy. *Circulation Research*, **2018**, 123, 1285-1297	15.7	20
358	Nuclear calcineurin is a sensor for detecting Ca release from the nuclear envelope via IPR. *Journal of Molecular Medicine*, **2018**, 96, 1239-1249	5.5	14
357	Cardiac Fibrosis in Proteotoxic Cardiac Disease is Dependent Upon Myofibroblast TGF -β Signaling. *Journal of the American Heart Association*, **2018**, 7, e010013	6	25
356	Developmental vascular regression is regulated by a Wnt/β-catenin, MYC and CDKN1A pathway that controls cell proliferation and cell death. *Development (Cambridge)*, **2018**, 145,	6.6	17
355	The Elusive Progenitor Cell in Cardiac Regeneration: Slip SlidinQAway. *Circulation Research*, **2017**, 120, 400-406	15.7	60
354	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
353	Redefining the identity of cardiac fibroblasts. *Nature Reviews Cardiology*, **2017**, 14, 484-491	14.8	232
352	The mitochondrial Na/Ca exchanger is essential for Ca homeostasis and viability. *Nature*, **2017**, 545, 93-97	50.4	203

351	Fibroblast-Specific Genetic Manipulation of p38 Mitogen-Activated Protein Kinase In Vivo Reveals Its Central Regulatory Role in Fibrosis. *Circulation*, **2017**, 136, 549-561	16.7	157
350	Identity Crisis for Regenerative Cardiac cKit Cells. *Circulation Research*, **2017**, 121, 1130-1132	15.7	13
349	Fibroblast-specific TGF-β-Smad2/3 signaling underlies cardiac fibrosis. *Journal of Clinical Investigation*, **2017**, 127, 3770-3783	15.9	354
348	TGFBI functions similar to periostin but is uniquely dispensable during cardiac injury. *PLoS ONE*, **2017**, 12, e0181945	3.7	25
347	Mitsugumin 29 regulates t-tubule architecture in the failing heart. *Scientific Reports*, **2017**, 7, 5328	4.9	6
346	Pharmacological and Activated Fibroblast Targeting of GRK2 After Myocardial Ischemia Attenuates Heart Failure Progression. *Journal of the American College of Cardiology*, **2017**, 70, 958-971	15.1	30
345	BEX1 is an RNA-dependent mediator of cardiomyopathy. *Nature Communications*, **2017**, 8, 1875	17.4	22
344	Cardiomyocyte Regeneration: A Consensus Statement. *Circulation*, **2017**, 136, 680-686	16.7	287
343	An Unbiased High-Throughput Screen to Identify Novel Effectors That Impact on Cardiomyocyte Aggregate Levels. *Circulation Research*, **2017**, 121, 604-616	15.7	11
342	Protein Kinase C Inhibition With Ruboxistaurin Increases Contractility and Reduces Heart Size in a Swine Model of Heart Failure With Reduced Ejection Fraction. *JACC Basic To Translational Science*, **2017**, 2, 669-683	8.7	4
341	Preexisting endothelial cells mediate cardiac neovascularization after injury. *Journal of Clinical Investigation*, **2017**, 127, 2968-2981	15.9	97
340	Autophagic cell death is dependent on lysosomal membrane permeability through Bax and Bak. *ELife*, **2017**, 6,	8.9	51
339	Dissection of Thrombospondin-4 Domains Involved in Intracellular Adaptive Endoplasmic Reticulum Stress-Responsive Signaling. *Molecular and Cellular Biology*, **2016**, 36, 2-12	4.8	16
338	Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP. *Gut*, **2016**, 65, 1333-46	19.2	110
337	Regulation of cardiac hypertrophy and remodeling through the dual-specificity MAPK phosphatases (DUSPs). *Journal of Molecular and Cellular Cardiology*, **2016**, 101, 44-49	5.8	66
336	Thrombospondin 1 protects pancreatic β-cells from lipotoxicity via the PERK-NRF2 pathway. *Cell Death and Differentiation*, **2016**, 23, 1995-2006	12.7	43
335	Genetic lineage tracing defines myofibroblast origin and function in the injured heart. *Nature Communications*, **2016**, 7, 12260	17.4	410
334	Cyclophilin D regulates necrosis, but not apoptosis, of murine eosinophils. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G609-17	5.1	7

333	DUSP8 Regulates Cardiac Ventricular Remodeling by Altering ERK1/2 Signaling. *Circulation Research*, **2016**, 119, 249-60	15.7	36
332	Genetic overexpression of Serpina3n attenuates muscular dystrophy in mice. *Human Molecular Genetics*, **2016**, 25, 1192-202	5.6	19
331	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
330	Most of the Dust Has Settled: cKit+ Progenitor Cells Are an Irrelevant Source of Cardiac Myocytes In Vivo. *Circulation Research*, **2016**, 118, 17-9	15.7	38
329	Cathepsin S Contributes to the Pathogenesis of Muscular Dystrophy in Mice. *Journal of Biological Chemistry*, **2016**, 291, 9920-8	5.4	13
328	Individual Cardiac Mitochondria Undergo Rare Transient Permeability Transition Pore Openings. *Circulation Research*, **2016**, 118, 834-41	15.7	59
327	Deletion of Periostin Protects Against Atherosclerosis in Mice by Altering Inflammation and Extracellular Matrix Remodeling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 60-8	9.4	42
326	Thrombospondin expression in myofibers stabilizes muscle membranes. *ELife*, **2016**, 5,	8.9	27
325	Nemo-Like Kinase (NLK) Is a Pathological Signaling Effector in the Mouse Heart. *PLoS ONE*, **2016**, 11, e0164897	3.7	3
324	Overexpression of Latent TGF Binding Protein 4 in Muscle Ameliorates Muscular Dystrophy through Myostatin and TGF *PLoS Genetics*, **2016**, 12, e1006019	6	26
323	RCANs regulate the convergent roles of NFATc1 in bone homeostasis. *Scientific Reports*, **2016**, 6, 38526	4.9	10
322	A Tension-Based Model Distinguishes Hypertrophic versus Dilated Cardiomyopathy. *Cell*, **2016**, 165, 1147-1159	30.1	122
321	Inositol 1,4,5-trisphosphate-mediated sarcoplasmic reticulum-mitochondrial crosstalk influences adenosine triphosphate production via mitochondrial Ca2+ uptake through the mitochondrial ryanodine receptor in cardiac myocytes. *Cardiovascular Research*, **2016**, 112, 491-501	9.9	32
320	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
319	The Mitochondrial Calcium Uniporter Selectively Matches Metabolic Output to Acute Contractile Stress in the Heart. *Cell Reports*, **2015**, 12, 15-22	10.6	214
318	Erk Negative Feedback Control Enables Pre-B Cell Transformation and Represents a Therapeutic Target in Acute Lymphoblastic Leukemia. *Cancer Cell*, **2015**, 28, 114-28	24.3	78
317	SERCA1 overexpression minimizes skeletal muscle damage in dystrophic mouse models. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C699-709	5.4	35
316	Sarcolipin overexpression improves muscle energetics and reduces fatigue. *Journal of Applied Physiology*, **2015**, 118, 1050-8	3.7	37

315	Genetic Analysis of Connective Tissue Growth Factor as an Effector of Transforming Growth Factor Signaling and Cardiac Remodeling. *Molecular and Cellular Biology*, **2015**, 35, 2154-64	4.8	62
314	Calcineurin Links Mitochondrial Elongation with Energy Metabolism. *Cell Metabolism*, **2015**, 22, 838-50	24.6	50
313	TAK1 Regulates Myocardial Response to Pathological Stress via NFAT, NFB, and Bnip3 Pathways. *Scientific Reports*, **2015**, 5, 16626	4.9	16
312	Necroptosis Interfaces with MOMP and the MPTP in Mediating Cell Death. *PLoS ONE*, **2015**, 10, e0130520	3.7	60
311	Exposure to Radiocontrast Agents Induces Pancreatic Inflammation by Activation of Nuclear Factor-B, Calcium Signaling, and Calcineurin. *Gastroenterology*, **2015**, 149, 753-64.e11	13.3	32
310	Regulated necrotic cell death: the passive aggressive side of Bax and Bak. *Circulation Research*, **2015**, 116, 1800-9	15.7	93
309	MBNL1-mediated regulation of differentiation RNAs promotes myofibroblast transformation and the fibrotic response. *Nature Communications*, **2015**, 6, 10084	17.4	43
308	Cardiac-specific deletion of protein phosphatase 1 promotes increased myofilament protein phosphorylation and contractile alterations. *Journal of Molecular and Cellular Cardiology*, **2015**, 87, 204-13	5.8	34
307	Physiological and pathological roles of the mitochondrial permeability transition pore in the heart. *Cell Metabolism*, **2015**, 21, 206-214	24.6	256
306	c-kit+ cells minimally contribute cardiomyocytes to the heart. *Nature*, **2014**, 509, 337-41	50.4	603
305	P38 MAPK underlies muscular dystrophy and myofiber death through a Bax-dependent mechanism. *Human Molecular Genetics*, **2014**, 23, 5452-63	5.6	32
304	Sumo E2 enzyme UBC9 is required for efficient protein quality control in cardiomyocytes. *Circulation Research*, **2014**, 115, 721-9	15.7	39
303	Transient receptor potential channels contribute to pathological structural and functional remodeling after myocardial infarction. *Circulation Research*, **2014**, 115, 567-580	15.7	84
302	Transforming growth factor activated kinase 1 signaling pathway critically regulates myocardial survival and remodeling. *Circulation*, **2014**, 130, 2162-72	16.7	76
301	Myofiber-specific inhibition of TGF signaling protects skeletal muscle from injury and dystrophic disease in mice. *Human Molecular Genetics*, **2014**, 23, 6903-15	5.6	32
300	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, 10396-7	11.5	95
299	Repression of cyclin D1 expression is necessary for the maintenance of cell cycle exit in adult mammalian cardiomyocytes. *Journal of Biological Chemistry*, **2014**, 289, 18033-44	5.4	31
298	Na+ dysregulation coupled with Ca2+ entry through NCX1 promotes muscular dystrophy in mice. *Molecular and Cellular Biology*, **2014**, 34, 1991-2002	4.8	26

297	Enhanced Ca□+ influx from STIM1-Orai1 induces muscle pathology in mouse models of muscular dystrophy. *Human Molecular Genetics*, **2014**, 23, 3706-15	5.6	42
296	RhoA signaling in cardiomyocytes protects against stress-induced heart failure but facilitates cardiac fibrosis. *Science Signaling*, **2014**, 7, ra100	8.8	53
295	Excess SMAD signaling contributes to heart and muscle dysfunction in muscular dystrophy. *Human Molecular Genetics*, **2014**, 23, 6722-31	5.6	26
294	An emerging consensus on cardiac regeneration. *Nature Medicine*, **2014**, 20, 1386-93	50.5	180
293	Letter by Molkentin regarding article, "The absence of evidence is not evidence of absence: the pitfalls of Cre Knock-Ins in the c-Kit Locus". *Circulation Research*, **2014**, 115, e21-3	15.7	25
292	Targeting latent TGF□release in muscular dystrophy. *Science Translational Medicine*, **2014**, 6, 259ra144	17.5	28
291	Cardiomyocyte-specific transforming growth factor □suppression blocks neutrophil infiltration, augments multiple cytoprotective cascades, and reduces early mortality after myocardial infarction. *Circulation Research*, **2014**, 114, 1246-57	15.7	73
290	Response to Torella et al. *Circulation Research*, **2014**, 114, e27	15.7	11
289	Overexpression of the Na+/K+ ATPase □2 but not □1 isoform attenuates pathological cardiac hypertrophy and remodeling. *Circulation Research*, **2014**, 114, 249-256	15.7	43
288	Genetic manipulation of the cardiac mitochondrial phosphate carrier does not affect permeability transition. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 316-25	5.8	85
287	Myofibroblasts: trust your heart and let fate decide. *Journal of Molecular and Cellular Cardiology*, **2014**, 70, 9-18	5.8	211
286	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, 108-19	5.8	93
285	Are resident c-Kit+ cardiac stem cells really all that are needed to mend a broken heart?. *Circulation Research*, **2013**, 113, 1037-9	15.7	41
284	Molecular basis of physiological heart growth: fundamental concepts and new players. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 38-48	48.7	347
283	CaMKII does it again: even the mitochondria cannot escape its influence. *Circulation Research*, **2013**, 112, 1208-11	15.7	6
282	Parsing good versus bad signaling pathways in the heart: role of calcineurin-nuclear factor of activated T-cells. *Circulation Research*, **2013**, 113, 16-9	15.7	31
281	Unrestrained p38 MAPK activation in Dusp1/4 double-null mice induces cardiomyopathy. *Circulation Research*, **2013**, 112, 48-56	15.7	64
280	Thioredoxin 1 is essential for sodium sulfide-mediated cardioprotection in the setting of heart failure. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 744-51	9.4	45

279	Ablation of calcineurin A reveals hyperlipidemia and signaling cross-talks with phosphodiesterases. *Journal of Biological Chemistry*, **2013**, 288, 3477-88	5.4	12
278	Bile acids induce pancreatic acinar cell injury and pancreatitis by activating calcineurin. *Journal of Biological Chemistry*, **2013**, 288, 570-80	5.4	56
277	Physiologic functions of cyclophilin D and the mitochondrial permeability transition pore. *Circulation Journal*, **2013**, 77, 1111-22	2.9	187
276	Signaling effectors underlying pathologic growth and remodeling of the heart. *Journal of Clinical Investigation*, **2013**, 123, 37-45	15.9	307
275	Parsing the roles of the transcription factors GATA-4 and GATA-6 in the adult cardiac hypertrophic response. *PLoS ONE*, **2013**, 8, e84591	3.7	25
274	Apoptosis repressor with a CARD domain (ARC) restrains Bax-mediated pathogenesis in dystrophic skeletal muscle. *PLoS ONE*, **2013**, 8, e82053	3.7	9
273	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	8.9	180
272	Author response: Bax and Bak function as the outer membrane component of the mitochondrial permeability pore in regulating necrotic cell death in mice **2013**,		2
271	Mutual antagonism between IP3RII and miRNA-133a regulates calcium signals and cardiac hypertrophy. *Journal of General Physiology*, **2013**, 141, i1-i1	3.4	1
270	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. *Nature Medicine*, **2012**, 18, 1575-9	50.5	353
269	Tropomyosin dephosphorylation results in compensated cardiac hypertrophy. *Journal of Biological Chemistry*, **2012**, 287, 44478-89	5.4	17
268	A TRPC6-dependent pathway for myofibroblast transdifferentiation and wound healing in vivo. *Developmental Cell*, **2012**, 23, 705-15	10.2	229
267	Ca(2+) influx through L-type Ca(2+) channels and transient receptor potential channels activates pathological hypertrophy signaling. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 657-67	5.8	69
266	Unraveling the secrets of a double life: contractile versus signaling Ca2+ in a cardiac myocyte. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 317-22	5.8	50
265	A thrombospondin-dependent pathway for a protective ER stress response. *Cell*, **2012**, 149, 1257-68	56.2	146
264	Deletion of periostin reduces muscular dystrophy and fibrosis in mice by modulating the transforming growth factor- pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 10978-83	11.5	82
263	A caveolae-targeted L-type Ca+ channel antagonist inhibits hypertrophic signaling without reducing cardiac contractility. *Circulation Research*, **2012**, 110, 669-74	15.7	100
262	Constitutively active MEK1 rescues cardiac dysfunction caused by overexpressed GSK-3 during aging and hemodynamic pressure overload. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H979-88	5.2	13

261	Pharmacological and genetic inhibition of calcineurin protects against carbachol-induced pathological zymogen activation and acinar cell injury. *American Journal of Physiology - Renal Physiology*, **2012**, 302, G898-905	5.1	22
260	Interaction between NFB and NFAT coordinates cardiac hypertrophy and pathological remodeling. *Circulation Research*, **2012**, 110, 1077-86	15.7	134
259	Lost in transgenesis: a user guide for genetically manipulating the mouse in cardiac research. *Circulation Research*, **2012**, 111, 761-77	15.7	78
258	Mutual antagonism between IP(3)RII and miRNA-133a regulates calcium signals and cardiac hypertrophy. *Journal of Cell Biology*, **2012**, 199, 783-98	7.3	67
257	Is p53 the long-sought molecular trigger for cyclophilin D-regulated mitochondrial permeability transition pore formation and necrosis?. *Circulation Research*, **2012**, 111, 1258-60	15.7	29
256	Animal models of heart failure: a scientific statement from the American Heart Association. *Circulation Research*, **2012**, 111, 131-50	15.7	294
255	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
254	Postnatal ablation of Foxm1 from cardiomyocytes causes late onset cardiac hypertrophy and fibrosis without exacerbating pressure overload-induced cardiac remodeling. *PLoS ONE*, **2012**, 7, e48713	3.7	25
253	Negative Feedback Signaling Enables Leukemic Transformation by Oncogenic Tyrosine Kinases. *Blood*, **2012**, 120, 1352-1352	2.2	
252	Placental growth factor as a protective paracrine effector in the heart. *Trends in Cardiovascular Medicine*, **2011**, 21, 220-4	6.9	18
251	The permeability transition pore controls cardiac mitochondrial maturation and myocyte differentiation. *Developmental Cell*, **2011**, 21, 469-78	10.2	197
250	Protein kinase C as a heart failure therapeutic target. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 474-8	5.8	65
249	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
248	A murine model of inducible, cardiac-specific deletion of STAT3: its use to determine the role of STAT3 in the upregulation of cardioprotective proteins by ischemic preconditioning. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 589-97	5.8	73
247	Magnetic resonance imaging assessment of cardiac dysfunction in Sarcoglycan null mice. *Neuromuscular Disorders*, **2011**, 21, 68-73	2.9	11
246	RhoA protects the mouse heart against ischemia/reperfusion injury. *Journal of Clinical Investigation*, **2011**, 121, 3269-76	15.9	67
245	Regulation of angiogenesis by a non-canonical Wnt-Flt1 pathway in myeloid cells. *Nature*, **2011**, 474, 511-5	50.4	204
244	Calcineurin A- is required for hypertrophy but not matrix expansion in the diabetic kidney. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 414-22	5.6	14

243	Monophosphothreonyl extracellular signal-regulated kinases 1 and 2 (ERK1/2) are formed endogenously in intact cardiac myocytes and are enzymically active. *Cellular Signalling*, **2011**, 23, 468-77	4.9	11
242	Placental growth factor regulates cardiac adaptation and hypertrophy through a paracrine mechanism. *Circulation Research*, **2011**, 109, 272-80	15.7	73
241	TRPC channels as effectors of cardiac hypertrophy. *Circulation Research*, **2011**, 108, 265-72	15.7	190
240	Conditional transgenic expression of fibroblast growth factor 9 in the adult mouse heart reduces heart failure mortality after myocardial infarction. *Circulation*, **2011**, 123, 504-14	16.7	48
239	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. *Journal of Cell Biology*, **2011**, 193, 1181-96	7.3	61
238	Inhibition of PKC with ruboxistaurin antagonizes heart failure in pigs after myocardial infarction injury. *Circulation Research*, **2011**, 109, 1396-400	15.7	40
237	Serine 105 phosphorylation of transcription factor GATA4 is necessary for stress-induced cardiac hypertrophy in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12331-6	11.5	79
236	Extracellular signal-regulated kinases 1 and 2 regulate the balance between eccentric and concentric cardiac growth. *Circulation Research*, **2011**, 108, 176-83	15.7	168
235	Dysfunctional ryanodine receptor and cardiac hypertrophy: role of signaling molecules. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H2187-95	5.2	13
234	Moderate calcium channel dysfunction in adult mice with inducible cardiomyocyte-specific excision of the cacnb2 gene. *Journal of Biological Chemistry*, **2011**, 286, 15875-82	5.4	44
233	GATA6 promotes angiogenic function and survival in endothelial cells by suppression of autocrine transforming growth factor beta/activin receptor-like kinase 5 signaling. *Journal of Biological Chemistry*, **2011**, 286, 5680-90	5.4	23
232	FoxO transcription factors promote cardiomyocyte survival upon induction of oxidative stress. *Journal of Biological Chemistry*, **2011**, 286, 7468-78	5.4	242
231	A critical function for Ser-282 in cardiac Myosin binding protein-C phosphorylation and cardiac function. *Circulation Research*, **2011**, 109, 141-50	15.7	95
230	Modulation of chromatin position and gene expression by HDAC4 interaction with nucleoporins. *Journal of Cell Biology*, **2011**, 193, 21-9	7.3	69
229	Mechanisms of necroptosis in T cells. *Journal of Experimental Medicine*, **2011**, 208, 633-41	16.6	167
228	Myostatin from the heart: local and systemic actions in cardiac failure and muscle wasting. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H1973-82	5.2	83
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