Mark A Sussman

List of Publications by Citations

179 papers	10,445 citations	59 h-index	97 g-index
210 ext. papers	11,822 ext. citations	10.1 avg, IF	5.94 L-index

#	Paper	IF	Citations
179	Cardiac stem cell and myocyte aging, heart failure, and insulin-like growth factor-1 overexpression. *Circulation Research*, **2004**, 94, 514-24	15.7	477
178	Enhanced effect of combining human cardiac stem cells and bone marrow mesenchymal stem cells to reduce infarct size and to restore cardiac function after myocardial infarction. *Circulation*, **2013**, 127, 213-23	16.7	331
177	Animal models of heart failure: a scientific statement from the American Heart Association. *Circulation Research*, **2012**, 111, 131-50	15.7	294
176	Cardiomyocyte Regeneration: A Consensus Statement. *Circulation*, **2017**, 136, 680-686	16.7	287
175	The Rac and Rho hall of fame: a decade of hypertrophic signaling hits. *Circulation Research*, **2006**, 98, 730-42	15.7	277
174	Bone marrow cells adopt the cardiomyogenic fate in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17783-8	11.5	261
173	Endoplasmic reticulum stress gene induction and protection from ischemia/reperfusion injury in the hearts of transgenic mice with a tamoxifen-regulated form of ATF6. *Circulation Research*, **2006**, 98, 1186-93	15.7	248
172	Activation of the unfolded protein response in infarcted mouse heart and hypoxic cultured cardiac myocytes. *Circulation Research*, **2006**, 99, 275-82	15.7	246
171	Myocardial Akt activation and gender: increased nuclear activity in females versus males. *Circulation Research*, **2001**, 88, 1020-7	15.7	235
170	Decreased SLIM1 expression and increased gelsolin expression in failing human hearts measured by high-density oligonucleotide arrays. *Circulation*, **2000**, 102, 3046-52	16.7	200
169	Pim-1 regulates cardiomyocyte survival downstream of Akt. *Nature Medicine*, **2007**, 13, 1467-75	50.5	191
168	Myocardial AKT: the omnipresent nexus. *Physiological Reviews*, **2011**, 91, 1023-70	47.9	180
167	Nuclear targeting of Akt enhances kinase activity and survival of cardiomyocytes. *Circulation Research*, **2004**, 94, 884-91	15.7	179
166	Enhancement of myocardial regeneration through genetic engineering of cardiac progenitor cells expressing Pim-1 kinase. *Circulation*, **2009**, 120, 2077-87	16.7	174
165	Loss of MCL-1 leads to impaired autophagy and rapid development of heart failure. *Genes and Development*, **2013**, 27, 1365-77	12.6	165
164	Alterations at the intercalated disk associated with the absence of muscle LIM protein. *Journal of Cell Biology*, **2001**, 153, 763-72	7.3	152
163	Juvenile exposure to anthracyclines impairs cardiac progenitor cell function and vascularization resulting in greater susceptibility to stress-induced myocardial injury in adult mice. *Circulation*, **2010**, 121, 675-83	16.7	147

162	Activation of Notch-mediated protective signaling in the myocardium. *Circulation Research*, **2008**, 102, 1025-35	15.7	142
161	Altered focal adhesion regulation correlates with cardiomyopathy in mice expressing constitutively active rac1. *Journal of Clinical Investigation*, **2000**, 105, 875-86	15.9	141
160	Role of Rac1 GTPase activation in atrial fibrillation. *Journal of the American College of Cardiology*, **2007**, 50, 359-67	15.1	137
159	Signal transducers and activators of transcription-3/pim1 axis plays a critical role in the pathogenesis of human pulmonary arterial hypertension. *Circulation*, **2011**, 123, 1205-15	16.7	131
158	Atrial natriuretic peptide promotes cardiomyocyte survival by cGMP-dependent nuclear accumulation of zyxin and Akt. *Journal of Clinical Investigation*, **2005**, 115, 2716-30	15.9	131
157	Human cardiac progenitor cells engineered with Pim-I kinase enhance myocardial repair. *Journal of the American College of Cardiology*, **2012**, 60, 1278-87	15.1	122
156	Orai1 and Stim1 regulate normal and hypertrophic growth in cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2010**, 48, 1329-34	5.8	122
155	Vascular endothelial growth factor regulates focal adhesion assembly in human brain microvascular endothelial cells through activation of the focal adhesion kinase and related adhesion focal tyrosine kinase. *Journal of Biological Chemistry*, **2003**, 278, 36661-8	5.4	117
154	Cardiac-specific IGF-1 expression attenuates dilated cardiomyopathy in tropomodulin-overexpressing transgenic mice. *Circulation Research*, **2002**, 90, 641-8	15.7	117
153	Mesencephalic astrocyte-derived neurotrophic factor is an ischemia-inducible secreted endoplasmic reticulum stress response protein in the heart. *Circulation Research*, **2008**, 103, 1249-58	15.7	116
152	Rac1-induced connective tissue growth factor regulates connexin 43 and N-cadherin expression in atrial fibrillation. *Journal of the American College of Cardiology*, **2010**, 55, 469-80	15.1	113
151	Nuclear targeting of Akt enhances ventricular function and myocyte contractility. *Circulation Research*, **2005**, 97, 1332-41	15.7	113
150	BNIP3L/NIX and FUNDC1-mediated mitophagy is required for mitochondrial network remodeling during cardiac progenitor cell differentiation. *Autophagy*, **2019**, 15, 1182-1198	10.2	110
149	Evolution of the c-kit-positive cell response to pathological challenge in the myocardium. *Stem Cells* , **2008**, 26, 1315-24	5.8	110
148	Altered expression of tropomodulin in cardiomyocytes disrupts the sarcomeric structure of myofibrils. *Circulation Research*, **1998**, 82, 94-105	15.7	104
147	Myocardial aging and senescence: where have the stem cells gone?. *Annual Review of Physiology*, **2004**, 66, 29-48	23.1	96
146	Rejuvenation of human cardiac progenitor cells with Pim-1 kinase. *Circulation Research*, **2013**, 113, 1169-79	15.7	94
145	Akt promotes increased cardiomyocyte cycling and expansion of the cardiac progenitor cell population. *Circulation Research*, **2006**, 99, 381-8	15.7	91

144	Global position paper on cardiovascular regenerative medicine. *European Heart Journal*, **2017**, 38, 2532-2546	35.4	90
143	Pim-1 preserves mitochondrial morphology by inhibiting dynamin-related protein 1 translocation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 5969-74	11.5	89
142	Dance band on the Titanic: biomechanical signaling in cardiac hypertrophy. *Circulation Research*, **2002**, 91, 888-98	15.7	89
141	Mechanisms of Cardiac Repair and Regeneration. *Circulation Research*, **2018**, 122, 1151-1163	15.7	87
140	PHLPP-1 negatively regulates Akt activity and survival in the heart. *Circulation Research*, **2010**, 107, 476-84	15.7	85
139	Nuclear targeting of Akt antagonizes aspects of cardiomyocyte hypertrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11946-51	11.5	85
138	Fibronectin is essential for reparative cardiac progenitor cell response after myocardial infarction. *Circulation Research*, **2013**, 113, 115-25	15.7	84
137	Empowering adult stem cells for myocardial regeneration. *Circulation Research*, **2011**, 109, 1415-28	15.7	84
136	Coordination of growth and endoplasmic reticulum stress signaling by regulator of calcineurin 1 (RCAN1), a novel ATF6-inducible gene. *Journal of Biological Chemistry*, **2008**, 283, 14012-21	5.4	81
135	Pathological hypertrophy amelioration by PRAS40-mediated inhibition of mTORC1. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12661-6	11.5	76
134	Mechanistic target of rapamycin complex 2 protects the heart from ischemic damage. *Circulation*, **2013**, 128, 2132-44	16.7	75
133	Pim-1 kinase protects mitochondrial integrity in cardiomyocytes. *Circulation Research*, **2010**, 106, 1265-74	15.7	75
132	Mitochondrial translocation of Nur77 mediates cardiomyocyte apoptosis. *European Heart Journal*, **2011**, 32, 2179-88	9.5	75
131	Cardiac progenitor cell cycling stimulated by pim-1 kinase. *Circulation Research*, **2010**, 106, 891-901	15.7	71
130	Phosphorylation of elk-1 by MEK/ERK pathway is necessary for c-fos gene activation during cardiac myocyte hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 1447-57	5.8	71
129	Calcineurin transgenic mice have mitochondrial dysfunction and elevated superoxide production. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C562-70	5.4	69
128	Roles for endoplasmic reticulum-associated degradation and the novel endoplasmic reticulum stress response gene Derlin-3 in the ischemic heart. *Circulation Research*, **2010**, 106, 307-16	15.7	68
127	Hrd1 and ER-Associated Protein Degradation, ERAD, are Critical Elements of the Adaptive ER Stress Response in Cardiac Myocytes. *Circulation Research*, **2015**, 117, 536-46	15.7	64

126	Sca-1 knockout impairs myocardial and cardiac progenitor cell function. *Circulation Research*, **2012**, 111, 750-60	15.7	64
125	A novel population of myeloid cells responding to coxsackievirus infection assists in the dissemination of virus within the neonatal CNS. *Journal of Neuroscience*, **2010**, 30, 8676-91	6.6	62
124	Vascular endothelial growth factor-mediated activation of p38 is dependent upon Src and RAFTK/Pyk2. *Oncogene*, **2004**, 23, 1275-82	9.2	61
123	PRAS40 prevents development of diabetic cardiomyopathy and improves hepatic insulin sensitivity in obesity. *EMBO Molecular Medicine*, **2014**, 6, 57-65	12	60
122	Cardiac Stem Cell Hybrids Enhance Myocardial Repair. *Circulation Research*, **2015**, 117, 695-706	15.7	59
121	Cardiac ageing: extrinsic and intrinsic factors in cellular renewal and senescence. *Nature Reviews Cardiology*, **2018**, 15, 523-542	14.8	59
120	Nucleostemin rejuvenates cardiac progenitor cells and antagonizes myocardial aging. *Journal of the American College of Cardiology*, **2015**, 65, 133-47	15.1	56
119	Nuclear and mitochondrial signalling Akts in cardiomyocytes. *Cardiovascular Research*, **2009**, 82, 272-85	9.9	56
118	Molecular genetic advances in cardiovascular medicine: focus on the myocyte. *Circulation*, **2004**, 109, 2832-8	16.7	56
117	Pim-1 kinase antagonizes aspects of myocardial hypertrophy and compensation to pathological pressure overload. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 13889-94	11.5	55
116	Pim1 Kinase Overexpression Enhances ckit Cardiac Stem Cell Cardiac Repair Following Myocardial Infarction in Swine. *Journal of the American College of Cardiology*, **2016**, 68, 2454-2464	15.1	53
115	Overexpression of SERCA2b in the heart leads to an increase in sarcoplasmic reticulum calcium transport function and increased cardiac contractility. *Journal of Biological Chemistry*, **2000**, 275, 24722-7	5.4	51
114	Adrenergic regulation of cardiac progenitor cell death versus survival and proliferation. *Circulation Research*, **2013**, 112, 476-86	15.7	50
113	Nucleolar stress is an early response to myocardial damage involving nucleolar proteins nucleostemin and nucleophosmin. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 6145-50	11.5	50
112	Bones of contention: marrow-derived cells in myocardial regeneration. *Journal of Molecular and Cellular Cardiology*, **2008**, 44, 950-3	5.8	50
111	Phosphorylation of focal adhesion kinase (FAK) on Ser732 is induced by rho-dependent kinase and is essential for proline-rich tyrosine kinase-2-mediated phosphorylation of FAK on Tyr407 in response to vascular endothelial growth factor. *Molecular Biology of the Cell*, **2006**, 17, 3508-20	3.5	49
110	RAGE-dependent activation of the oncoprotein Pim1 plays a critical role in systemic vascular remodeling processes. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2114-24	9.4	48
109	Pathogenesis of dilated cardiomyopathy: molecular, structural, and population analyses in tropomodulin-overexpressing transgenic mice. *American Journal of Pathology*, **1999**, 155, 2101-13	5.8	47

108	Orai1 deficiency leads to heart failure and skeletal myopathy in zebrafish. *Journal of Cell Science*, **2012**, 125, 287-94	5.3	46
107	Cardiomyocyte apoptosis triggered by RAFTK/pyk2 via Src kinase is antagonized by paxillin. *Journal of Biological Chemistry*, **2004**, 279, 53516-23	5.4	45
106	Notch signaling and cardiac repair. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 1226-32	5.8	44
105	Embryonic stem cell-derived cardiac myocytes are not ready for human trials. *Circulation Research*, **2014**, 115, 335-8	15.7	42
104	Cardiac stem cell genetic engineering using the alphaMHC promoter. *Regenerative Medicine*, **2009**, 4, 823-33	2.5	42
103	Tropomodulin1 is required in the heart but not the yolk sac for mouse embryonic development. *Circulation Research*, **2008**, 103, 1241-8	15.7	42
102	Mitochondrial integrity: preservation through Akt/Pim-1 kinase signaling in the cardiomyocyte. *Expert Review of Cardiovascular Therapy*, **2009**, 7, 929-38	2.5	41
101	Concurrent Isolation of 3 Distinct Cardiac Stem Cell Populations From a Single Human Heart Biopsy. *Circulation Research*, **2017**, 121, 113-124	15.7	40
100	Regulation of cardiac hypertrophic signaling by prolyl isomerase Pin1. *Circulation Research*, **2013**, 112, 1244-52	15.7	39
99	Cloning of tropomodulin cDNA and localization of gene transcripts during mouse embryogenesis. *Developmental Biology*, **1995**, 167, 317-28	3.1	39
98	Empowering Adult Stem Cells for Myocardial Regeneration V2.0: Success in Small Steps. *Circulation Research*, **2016**, 118, 867-80	15.7	39
97	Preservation of myocardial structure is enhanced by pim-1 engineering of bone marrow cells. *Circulation Research*, **2012**, 111, 77-86	15.7	38
96	Notch activation enhances lineage commitment and protective signaling in cardiac progenitor cells. *Basic Research in Cardiology*, **2015**, 110, 29	11.8	35
95	Myocardial induction of nucleostemin in response to postnatal growth and pathological challenge. *Circulation Research*, **2008**, 103, 89-97	15.7	35
94	Cardiac aging - Getting to the stem of the problem. *Journal of Molecular and Cellular Cardiology*, **2015**, 83, 32-6	5.8	34
93	Fibronectin contributes to pathological cardiac hypertrophy but not physiological growth. *Basic Research in Cardiology*, **2013**, 108, 375	11.8	34
92	Metabolic dysfunction consistent with premature aging results from deletion of Pim kinases. *Circulation Research*, **2014**, 115, 376-87	15.7	34
91	"AKT"ing lessons for stem cells: regulation of cardiac myocyte and progenitor cell proliferation. *Trends in Cardiovascular Medicine*, **2007**, 17, 235-40	6.9	34

90	Calcium dynamics in the failing heart: restoration by beta-adrenergic receptor blockade. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 285, H305-15	5.2	34
89	Sarcoplasmic reticulum Ca(2+) atpase (SERCA) 1a structurally substitutes for SERCA2a in the cardiac sarcoplasmic reticulum and increases cardiac Ca(2+) handling capacity. *Circulation Research*, **2001**, 89, 160-7	15.7	33
88	Activation of pyk2/related focal adhesion tyrosine kinase and focal adhesion kinase in cardiac remodeling. *Journal of Biological Chemistry*, **2002**, 277, 45203-10	5.4	33
87	Increased mitotic rate coincident with transient telomere lengthening resulting from pim-1 overexpression in cardiac progenitor cells. *Stem Cells*, **2012**, 30, 2512-22	5.8	32
86	Integrin shedding as a mechanism of cellular adaptation during cardiac growth. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H2227-34	5.2	32
85	Control of histone H3 phosphorylation by CaMKII□ in response to haemodynamic cardiac stress. *Journal of Pathology*, **2015**, 235, 606-18	9.4	30
84	Different types of cultured human adult cardiac progenitor cells have a high degree of transcriptome similarity. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 2147-51	5.6	30
83	Neural stem cell depletion and CNS developmental defects after enteroviral infection. *American Journal of Pathology*, **2012**, 180, 1107-1120	5.8	30
82	Cardiomyocyte cell cycle dynamics and proliferation revealed through cardiac-specific transgenesis of fluorescent ubiquitinated cell cycle indicator (FUCCI). *Journal of Molecular and Cellular Cardiology*, **2019**, 127, 154-164	5.8	29
81	Failure of cell cleavage induces senescence in tetraploid primary cells. *Molecular Biology of the Cell*, **2014**, 25, 3105-18	3.5	28
80	Stressing on the nucleolus in cardiovascular disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 798-801	6.9	27
79	Cardiac progenitor cell commitment is inhibited by nuclear Akt expression. *Circulation Research*, **2011**, 108, 960-70	15.7	27
78	Asymmetric chromatid segregation in cardiac progenitor cells is enhanced by Pim-1 kinase. *Circulation Research*, **2012**, 110, 1169-73	15.7	27
77	Differential regulation of cellular senescence and differentiation by prolyl isomerase Pin1 in cardiac progenitor cells. *Journal of Biological Chemistry*, **2014**, 289, 5348-56	5.4	25
76	Pim-1 kinase inhibits pathological injury by promoting cardioprotective signaling. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 554-8	5.8	25
75	Involvement of phosphorylation in doxorubicin-mediated myofibril degeneration. An immunofluorescence microscopy analysis. *Circulation Research*, **1997**, 80, 52-61	15.7	24
74	Functional Effect of Pim1 Depends upon Intracellular Localization in Human Cardiac Progenitor Cells. *Journal of Biological Chemistry*, **2015**, 290, 13935-47	5.4	23
73	Accumulation of Mitochondrial DNA Mutations Disrupts Cardiac Progenitor Cell Function and Reduces Survival. *Journal of Biological Chemistry*, **2015**, 290, 22061-75	5.4	22

72	P2Y Nucleotide Receptor Prompts Human Cardiac Progenitor Cell Activation by Modulating Hippo Signaling. *Circulation Research*, **2017**, 121, 1224-1236	15.7	22
71	Evaluation of left ventricular function in cardiomyopathic mice by tissue Doppler and color M-mode Doppler echocardiography. *Echocardiography*, **2005**, 22, 245-53	1.5	22
70	Cardiac c-Kit Biology Revealed by Inducible Transgenesis. *Circulation Research*, **2018**, 123, 57-72	15.7	21
69	Hypoxia Prevents Mitochondrial Dysfunction and Senescence in Human c-Kit Cardiac Progenitor Cells. *Stem Cells*, **2019**, 37, 555-567	5.8	21
68	An intact intermediate filament network is required for collateral sprouting of small diameter nerve fibers. *Journal of Neuroscience*, **2003**, 23, 9312-9	6.6	20
67	Chasing c-Kit through the heart: Taking a broader view. *Pharmacological Research*, **2018**, 127, 110-115	10.2	19
66	Enhancement Strategies for Cardiac Regenerative Cell Therapy: Focus on Adult Stem Cells. *Circulation Research*, **2018**, 123, 177-187	15.7	19
65	In situ transcriptome characteristics are lost following culture adaptation of adult cardiac stem cells. *Scientific Reports*, **2018**, 8, 12060	4.9	19
64	Myocardial subproteomic analysis of a constitutively active Rac1-expressing transgenic mouse with lethal myocardial hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H2325-33	5.2	19
63	S100A4 protects the myocardium against ischemic stress. *Journal of Molecular and Cellular Cardiology*, **2016**, 100, 54-63	5.8	18
62	CENP-A is essential for cardiac progenitor cell proliferation. *Cell Cycle*, **2014**, 13, 739-48	4.7	18
61	Cardiac Hegemony of Senescence. *Current Translational Geriatrics and Experimental Gerontology Reports*, **2013**, 2, 247		17
60	Making it stick: chasing the optimal stem cells for cardiac regeneration. *Expert Review of Cardiovascular Therapy*, **2014**, 12, 1275-88	2.5	17
59	Nuclear Calcium/Calmodulin-dependent Protein Kinase II Signaling Enhances Cardiac Progenitor Cell Survival and Cardiac Lineage Commitment. *Journal of Biological Chemistry*, **2015**, 290, 25411-26	5.4	16
58	Cell and gene therapy for severe heart failure patients: the time and place for Pim-1 kinase. *Expert Review of Cardiovascular Therapy*, **2013**, 11, 949-57	2.5	16
57	Sphingosine 1-phosphate elicits RhoA-dependent proliferation and MRTF-A mediated gene induction in CPCs. *Cellular Signalling*, **2016**, 28, 871-9	4.9	15
56	The heart: mostly postmitotic or mostly premitotic? Myocyte cell cycle, senescence, and quiescence. *Canadian Journal of Cardiology*, **2014**, 30, 1270-8	3.8	15
55	Cardiac interstitial tetraploid cells can escape replicative senescence in rodents but not large mammals. *Communications Biology*, **2019**, 2, 205	6.7	14

54	Adult Cardiomyocyte Cell Cycle Detour: Off-ramp to Quiescent Destinations. *Trends in Endocrinology and Metabolism*, **2019**, 30, 557-567	8.8	14
53	Rejuvenating the senescent heart. *Current Opinion in Cardiology*, **2015**, 30, 235-9	2.1	14
52	Cardioprotective stimuli mediate phosphoinositide 3-kinase and phosphoinositide dependent kinase 1 nuclear accumulation in cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2009** , 47, 96-103	5.8	14
51	When the Thyroid Speaks, the Heart Listens. *Circulation Research*, **2001**, 89, 557-559	15.7	14
50	Short Telomeres Induce p53 and Autophagy and Modulate Age-Associated Changes in Cardiac Progenitor Cell Fate. *Stem Cells*, **2018**, 36, 868-880	5.8	12
49	Pin1: a molecular orchestrator in the heart. *Trends in Cardiovascular Medicine*, **2014**, 24, 256-62	6.9	12
48	Personalizing cardiac regenerative therapy: At the heart of Pim1 kinase. *Pharmacological Research*, **2016**, 103, 13-6	10.2	11
47	Cardiac progenitor cells engineered with ARKct have enhanced adrenergic tolerance. *Molecular Therapy*, **2014**, 22, 178-85	11.7	11
46	Enhancing myocardial repair with CardioClusters. *Nature Communications*, **2020**, 11, 3955	17.4	11
45	The impact of juvenile coxsackievirus infection on cardiac progenitor cells and postnatal heart development. *PLoS Pathogens*, **2014**, 10, e1004249	7.6	10
44	Myocardial Regeneration for Humans - Modifying Biology and Manipulating Evolution. *Circulation Journal*, **2017**, 81, 142-148	2.9	9
43	Cardiac progenitor cells engineered with Pim-1 (CPCeP) develop cardiac phenotypic electrophysiological properties as they are co-cultured with neonatal myocytes. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 695-706	5.8	9
42	Hypertrophic defect unmasked by calcineurin expression in asymptomatic tropomodulin overexpressing transgenic mice. *Cardiovascular Research*, **2000**, 46, 90-101	9.9	9
41	Adult human cardiac stem cell supplementation effectively increases contractile function and maturation in human engineered cardiac tissues. *Stem Cell Research and Therapy*, **2019**, 10, 373	8.3	8
40	Deletion of low molecular weight protein tyrosine phosphatase (Acp1) protects against stress-induced cardiomyopathy. *Journal of Pathology*, **2015**, 237, 482-94	9.4	7
39	PIM1-minicircle as a therapeutic treatment for myocardial infarction. *PLoS ONE*, **2017**, 12, e0173963	3.7	7
38	Pim1 maintains telomere length in mouse cardiomyocytes by inhibiting TGFsignalling. *Cardiovascular Research*, **2021**, 117, 201-211	9.9	7
37	Cardiac nonmyocyte subpopulations: a secular congregation. *Regenerative Medicine*, **2019**, 14, 489-494	2.5	6

36	Isolation and preparation of single mouse cardiomyocytes for confocal microscopy. *Cytotechnology*, **1997**, 19, 83-90		6
35	Intracellular Ca2+ measurements in live cells by rapid line scan confocal microscopy: simplified calibration methodology. *Cytotechnology*, **2003**, 25, 123-33		6
34	ICER-capades: putting cardiac cyclic AMP signaling "on ice". *Circulation Research*, **2003**, 93, 6-8	15.7	6
33	Eat, breathe, ROS: controlling stem cell fate through metabolism. *Expert Review of Cardiovascular Therapy*, **2017**, 15, 345-356	2.5	5
32	Proteomic analysis of Rac1 transgenic mice displaying dilated cardiomyopathy reveals an increase in creatine kinase M-chain protein abundance. *Molecular and Cellular Biochemistry*, **2003**, 251, 145-151	4.2	5
31	Cardiac hypertrophy served with protein kinase Cepsilon: delta isoform substitution available at additional cost. *Circulation Research*, **2005**, 96, 711-3	15.7	5
30	Impaired intracellular Ca2+ dynamics in live cardiomyocytes revealed by rapid line scan confocal microscopy. *Microscopy and Microanalysis*, **2005**, 11, 235-43	0.5	5
29	Cellular indigestion: chaperones head to the cytoskeleton. *Journal of Molecular and Cellular Cardiology*, **2002**, 34, 83-5	5.8	5
28	Cardiac tissue engineering therapeutic products to enhance myocardial contractility. *Journal of Muscle Research and Cell Motility*, **2020**, 41, 363-373	3.5	5
27	Regeneration of infarcted mouse hearts by cardiovascular tissue formed via the direct reprogramming of mouse fibroblasts. *Nature Biomedical Engineering*, **2021**, 5, 880-896	19	5
26	Mechanobiology of Erythrocytes from Adult Mice Homozygous for a Targeted Disruption of the E-Tmod Gene at Exon 1. *Cellular and Molecular Bioengineering*, **2011**, 4, 637-647	3.9	4
25	Duchenne muscular dystrophy (DMD) cardiomyocyte-secreted exosomes promote the pathogenesis of DMD-associated cardiomyopathy. *DMM Disease Models and Mechanisms*, **2020**, 13,	4.1	4
24	Cardiac regenerative therapy: Many paths to repair. *Trends in Cardiovascular Medicine*, **2020**, 30, 338-343	6.9	4
23	Peptidyl-Prolyl Isomerase 1 Regulates Ca Handling by Modulating Sarco(Endo)Plasmic Reticulum Calcium ATPase and Na/Ca Exchanger 1 Protein Levels and Function. *Journal of the American Heart Association*, **2017**, 6,	6	3
22	Showing up isn't enough for vascularization: persistence is essential. *Circulation Research*, **2008**, 103, 1200-1	15.7	3
21	Human CardioChimeras: Creation of a Novel "Next-Generation" Cardiac Cell. *Journal of the American Heart Association*, **2020**, 9, e013452	6	3
20	PIM1 Promotes Survival of Cardiomyocytes by Upregulating c-Kit Protein Expression. *Cells*, **2020**, 9,	7.9	3
19	Proteomic analysis of Rac1 transgenic mice displaying dilated cardiomyopathy reveals an increase in creatine kinase M-chain protein abundance. *Molecular and Cellular Biochemistry*, **2003**, 251, 145-51	4.2	3

18	Empowering human cardiac progenitor cells by P2Y nucleotide receptor overexpression. *Journal of Physiology*, **2017**, 595, 7135-7148	3.9	2
17	Safety profiling of genetically engineered Pim-1 kinase overexpression for oncogenicity risk in human c-kit+ cardiac interstitial cells. *Gene Therapy*, **2019**, 26, 324-337	4	2
16	Response to letter regarding article, "Embryonic stem cell-derived cardiac myocytes are not ready for human trials". *Circulation Research*, **2014**, 115, e30-1	15.7	2
15	Cause of death: a "broken" MEKK?. *Journal of Molecular and Cellular Cardiology*, **2006**, 40, 593-6	5.8	2
14	Adaptation within embryonic and neonatal heart environment reveals alternative fates for adult c-kit cardiac interstitial cells. *Stem Cells Translational Medicine*, **2020**, 9, 620-635	6.9	2
13	Cardiac progenitor cell ion currents: revealing a little more on the lesser known. *Journal of Physiology*, **2018**, 596, 2271-2272	3.9	1
12	Developing hearts need their SPEG. *Circulation*, **2009**, 119, 213-4	16.7	1
11	VAPIng into ARDS: Acute Respiratory Distress Syndrome and Cardiopulmonary Failure. *Pharmacology & Therapeutics*, **2021**, 108006	13.9	1
10	Fundamentals of vaping-associated pulmonary injury leading to severe respiratory distress. *Life Science Alliance*, **2022**, 5,	5.8	1
9	Blood speaks: Personalised medicine profiling for heart failure patients. *EBioMedicine*, **2020**, 58, 102900	8.8	0
8	Transcriptional features of biological age maintained in human cultured cardiac interstitial cells. *Genomics*, **2021**, 113, 3705-3717	4.3	0
7	Impact of Telomere Shortening with Age in Stem Cell Therapy **2016**, 49-58		
6	A Matter of Opinion. *Circulation Research*, **2017**, 120, 36-38	15.7	
5	And Now for Something Completely Different. *Circulation Research*, **2010**, 107, 820-821	15.7	
4	Gene Therapy and Cellular Therapy in Cardiac Repair **2007**, 193-200		
3	Intracellular Ca2+ Measurements in Live Cells by Rapid Line Scan Confocal Microscopy: Simplified Calibration Methodology. *Microscopy and Microanalysis*, **2004**, 10, 1390-1391	0.5	
2	Proteomic analysis of Rac1 transgenic mice displaying dilated cardiomyopathy reveals an increase in creatine kinase M-chain protein abundance **2003**, 145-151		
1	Expression of Tropomodulin1 (Tmod1) in the Heart Rescues Embryonic Lethality of Tmod1 Null Mice and Results in a Mild Hemolytic Anemia Due to Absence of Tmod1 in Red Blood Cells.. *Blood*, **2005**, 106, 807-807	2.2	