

Timothy J Kamp

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142 papers	12,066 citations	48 h-index	109 g-index
172 ext. papers	13,891 ext. citations	8.5 avg, IF	6.11 L-index

#	Paper	IF	Citations
142	Robust cardiomyocyte differentiation from human pluripotent stem cells via temporal modulation of canonical Wnt signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1848-57	11.5	1064
141	Functional cardiomyocytes derived from human induced pluripotent stem cells. <i>Circulation Research</i> , 2009 , 104, e30-41	15.7	1023
140	Directed cardiomyocyte differentiation from human pluripotent stem cells by modulating Wnt/ β -catenin signaling under fully defined conditions. <i>Nature Protocols</i> , 2013 , 8, 162-75	18.8	928
139	Human embryonic stem cells develop into multiple types of cardiac myocytes: action potential characterization. <i>Circulation Research</i> , 2003 , 93, 32-9	15.7	670
138	High purity human-induced pluripotent stem cell-derived cardiomyocytes: electrophysiological properties of action potentials and ionic currents. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H2006-17	5.2	519
137	Regulation of cardiac L-type calcium channels by protein kinase A and protein kinase C. <i>Circulation Research</i> , 2000 , 87, 1095-102	15.7	488
136	Differentiation of human embryonic stem cells and induced pluripotent stem cells to cardiomyocytes: a methods overview. <i>Circulation Research</i> , 2012 , 111, 344-58	15.7	486
135	Mutant caveolin-3 induces persistent late sodium current and is associated with long-QT syndrome. <i>Circulation</i> , 2006 , 114, 2104-12	16.7	413
134	Extracellular matrix promotes highly efficient cardiac differentiation of human pluripotent stem cells: the matrix sandwich method. <i>Circulation Research</i> , 2012 , 111, 1125-36	15.7	341
133	Increased late sodium current in myocytes from a canine heart failure model and from failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 475-83	5.8	332
132	Cardiac repair in a porcine model of acute myocardial infarction with human induced pluripotent stem cell-derived cardiovascular cells. <i>Cell Stem Cell</i> , 2014 , 15, 750-61	18	329
131	Localization of cardiac L-type Ca^{2+} channels to a caveolar macromolecular signaling complex is required for $\beta(2)$ -adrenergic regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7500-5	11.5	317
130	Reduction in density of transverse tubules and L-type Ca^{2+} channels in canine tachycardia-induced heart failure. <i>Cardiovascular Research</i> , 2001 , 49, 298-307	9.9	217
129	Stem cell therapy. Use of differentiated pluripotent stem cells as replacement therapy for treating disease. <i>Science</i> , 2014 , 345, 1247391	33.3	206
128	The microwell control of embryoid body size in order to regulate cardiac differentiation of human embryonic stem cells. <i>Biomaterials</i> , 2010 , 31, 1885-93	15.6	159
127	Transplantation of embryonic stem cells into the infarcted mouse heart: formation of multiple cell types. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 195-200	5.8	140
126	Simultaneous voltage and calcium mapping of genetically purified human induced pluripotent stem cell-derived cardiac myocyte monolayers. <i>Circulation Research</i> , 2012 , 110, 1556-63	15.7	138

125	Hairpin properties of single-stranded DNA containing a GC-rich triplet repeat: (CTG) ₁₅ . <i>Nucleic Acids Research</i> , 1995 , 23, 1050-9	20.1	134
124	Depletion of T-tubules and specific subcellular changes in sarcolemmal proteins in tachycardia-induced heart failure. <i>Cardiovascular Research</i> , 2003 , 59, 67-77	9.9	132
123	Lineage Reprogramming of Fibroblasts into Proliferative Induced Cardiac Progenitor Cells by Defined Factors. <i>Cell Stem Cell</i> , 2016 , 18, 354-67	18	131
122	Acquisition of a quantitative, stoichiometrically conserved ratiometric marker of maturation status in stem cell-derived cardiac myocytes. <i>Stem Cell Reports</i> , 2014 , 3, 594-605	8	130
121	Caveolae, ion channels and cardiac arrhythmias. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 149-60	4.7	119
120	Increased nitration of sarcoplasmic reticulum Ca ²⁺ -ATPase in human heart failure. <i>Circulation</i> , 2005 , 111, 988-95	16.7	116
119	Micropattern width dependent sarcomere development in human ESC-derived cardiomyocytes. <i>Biomaterials</i> , 2014 , 35, 4454-64	15.6	113
118	Opportunities for use of human iPS cells in predictive toxicology. <i>Clinical Pharmacology and Therapeutics</i> , 2011 , 89, 754-8	6.1	111
117	Chemically defined, albumin-free human cardiomyocyte generation. <i>Nature Methods</i> , 2015 , 12, 595-6	21.6	107
116	Functional consequences of sulfhydryl modification in the pore-forming subunits of cardiovascular Ca ²⁺ and Na ⁺ channels. <i>Circulation Research</i> , 1995 , 76, 325-34	15.7	107
115	Comparable calcium handling of human iPSC-derived cardiomyocytes generated by multiple laboratories. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 85, 79-88	5.8	102
114	Molecular heterogeneity of calcium channel beta-subunits in canine and human heart: evidence for differential subcellular localization. <i>Physiological Genomics</i> , 2004 , 17, 183-200	3.6	98
113	Induced pluripotent stem cells for post-myocardial infarction repair: remarkable opportunities and challenges. <i>Circulation Research</i> , 2014 , 114, 1328-45	15.7	96
112	Conditional forebrain deletion of the L-type calcium channel Ca _v 1.2 disrupts remote spatial memories in mice. <i>Learning and Memory</i> , 2008 , 15, 1-5	2.8	94
111	Calcium transients closely reflect prolonged action potentials in iPSC models of inherited cardiac arrhythmia. <i>Stem Cell Reports</i> , 2014 , 3, 269-81	8	92
110	Myocardial infarction, aortic dissection, and thrombolytic therapy. <i>American Heart Journal</i> , 1994 , 128, 1234-7	4.9	90
109	Loss of Gut Microbiota Alters Immune System Composition and Cripples Postinfarction Cardiac Repair. <i>Circulation</i> , 2019 , 139, 647-659	16.7	85
108	Transplanted embryonic stem cells following mouse myocardial infarction inhibit apoptosis and cardiac remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H1308-14	5.2	83

107	Exome sequencing and systems biology converge to identify novel mutations in the L-type calcium channel, CACNA1C, linked to autosomal dominant long QT syndrome. <i>Circulation: Cardiovascular Genetics</i> , 2013 , 6, 279-89		80
106	Thapsigargin selectively rescues the trafficking defective LQT2 channels G601S and F805C. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35749-54	5.4	80
105	Functional cardiac fibroblasts derived from human pluripotent stem cells via second heart field progenitors. <i>Nature Communications</i> , 2019 , 10, 2238	17.4	76
104	Functional Effects of a Tissue-Engineered Cardiac Patch From Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Rat Infarct Model. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 1324-32	6.9	71
103	IK1-enhanced human-induced pluripotent stem cell-derived cardiomyocytes: an improved cardiomyocyte model to investigate inherited arrhythmia syndromes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H1611-21	5.2	69
102	Distinct mouse coronary anatomy and myocardial infarction consequent to ligation. <i>Coronary Artery Disease</i> , 2005 , 16, 41-4	1.4	69
101	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 766-775	15.1	67
100	Endothelin-1 and photoreleased diacylglycerol increase L-type Ca ²⁺ current by activation of protein kinase C in rat ventricular myocytes. <i>Journal of Physiology</i> , 2000 , 524 Pt 3, 807-20	3.9	67
99	Role of RBM25/LUC7L3 in abnormal cardiac sodium channel splicing regulation in human heart failure. <i>Circulation</i> , 2011 , 124, 1124-31	16.7	65
98	Pompe disease results in a Golgi-based glycosylation deficit in human induced pluripotent stem cell-derived cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3121-36	5.4	64
97	Different subcellular populations of L-type Ca ²⁺ channels exhibit unique regulation and functional roles in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 376-87	5.8	63
96	Calcium channel agonist and antagonist effects of the stereoisomers of the dihydropyridine 202-791. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 130, 141-8	3.4	55
95	Microfluidic cell culture and its application in high-throughput drug screening: cardiotoxicity assay for hERG channels. <i>Journal of Biomolecular Screening</i> , 2011 , 16, 101-11		51
94	Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes as Models for Cardiac Channelopathies: A Primer for Non-Electrophysiologists. <i>Circulation Research</i> , 2018 , 123, 224-243	15.7	48
93	Insulin inhibits cardiac mesoderm, not mesendoderm, formation during cardiac differentiation of human pluripotent stem cells and modulation of canonical Wnt signaling can rescue this inhibition. <i>Stem Cells</i> , 2013 , 31, 447-57	5.8	47
92	Human embryonic stem cell-derived cardiomyocytes can be maintained in defined medium without serum. <i>Stem Cells and Development</i> , 2006 , 15, 931-41	4.4	44
91	Crosstalk of beta-adrenergic receptor subtypes through Gi blunts beta-adrenergic stimulation of L-type Ca ²⁺ channels in canine heart failure. <i>Circulation Research</i> , 2005 , 97, 566-73	15.7	43
90	Signals from the surface modulate differentiation of human pluripotent stem cells through glycosaminoglycans and integrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18126-31	11.5	42

89	Unfolded protein response regulates cardiac sodium current in systolic human heart failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 1018-24	6.4	42
88	Kv11.1 (ERG1) K ⁺ channels localize in cholesterol and sphingolipid enriched membranes and are modulated by membrane cholesterol. <i>Channels</i> , 2007 , 1, 263-72	3	40
87	Localization of functional endothelin receptor signaling complexes in cardiac transverse tubules. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48154-61	5.4	40
86	A cardiac patch from aligned microvessel and cardiomyocyte patches. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 546-556	4.4	37
85	Small GTPase determinants for the Golgi processing and plasmalemmal expression of human ether-a-go-go related (hERG) K ⁺ channels. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2844-2853	5.4	36
84	Hypoxia-induced H19/YB-1 cascade modulates cardiac remodeling after infarction. <i>Theranostics</i> , 2019 , 9, 6550-6567	12.1	35
83	Embryonic stem cells: differentiation into cardiomyocytes and potential for heart repair and regeneration. <i>Coronary Artery Disease</i> , 2005 , 16, 111-6	1.4	35
82	Specific serine proteases selectively damage KCNH2 (hERG1) potassium channels and I(Kr). <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H1278-88	5.2	34
81	An Unbiased Proteomics Method to Assess the Maturation of Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Circulation Research</i> , 2019 , 125, 936-953	15.7	33
80	Unique modulation of L-type Ca ²⁺ channels by short auxiliary beta1d subunit present in cardiac muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2363-74	5.2	31
79	Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24691-24700	11.5	31
78	Cardiomyocyte Membrane Structure and cAMP Compartmentation Produce Anatomical Variation in AR-cAMP Responsiveness in Murine Hearts. <i>Cell Reports</i> , 2018 , 23, 459-469	10.6	30
77	Stem Cell-Derived Cardiomyocytes and Beta-Adrenergic Receptor Blockade in Duchenne Muscular Dystrophy-Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1159-1174	15.1	27
76	A Humanized Mouse Model Generated Using Surplus Neonatal Tissue. <i>Stem Cell Reports</i> , 2018 , 10, 1175-1183	27	
75	Robust L-type calcium current expression following heterozygous knockout of the Cav1.2 gene in adult mouse heart. <i>Journal of Physiology</i> , 2011 , 589, 3275-88	3.9	27
74	Small GTPase Rab11b regulates degradation of surface membrane L-type Cav1.2 channels. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C1023-33	5.4	27
73	Engineering stem cell cardiac patch with microvascular features representative of native myocardium. <i>Theranostics</i> , 2019 , 9, 2143-2157	12.1	26
72	Chloroquine or Hydroxychloroquine for COVID-19: Is Cardiotoxicity a Concern?. <i>Journal of the American Heart Association</i> , 2020 , 9, e016887	6	25

71	Imaging of Induced Pluripotent Stem Cells: From Cellular Reprogramming to Transplantation. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 1, 18-28	2.2	23
70	Structure-function relationships of Ca spark activity in normal and failing cardiac myocytes as revealed by flash photography. <i>Cell Calcium</i> , 2007 , 41, 123-34	4	22
69	Transcriptional regulation of the neuronal L-type calcium channel alpha 1D subunit gene. <i>Cellular and Molecular Neurobiology</i> , 1995 , 15, 307-26	4.6	22
68	Micropatterned substrates with physiological stiffness promote cell maturation and Pompe disease phenotype in human induced pluripotent stem cell-derived skeletal myocytes. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 2377-2392	4.9	21
67	Images in cardiovascular medicine. Infiltrative eosinophilic myocarditis diagnosed and localized by cardiac magnetic resonance imaging. <i>Circulation</i> , 2004 , 110, e19	16.7	21
66	Intragenic suppression of trafficking-defective KCNH2 channels associated with long QT syndrome. <i>Molecular Pharmacology</i> , 2005 , 68, 233-40	4.3	21
65	Epigenetic Priming of Human Pluripotent Stem Cell-Derived Cardiac Progenitor Cells Accelerates Cardiomyocyte Maturation. <i>Stem Cells</i> , 2019 , 37, 910-923	5.8	20
64	Nonuniform cardiac denervation observed by ¹¹ C-meta-hydroxyephedrine PET in 6-OHDA-treated monkeys. <i>PLoS ONE</i> , 2012 , 7, e35371	3.7	20
63	Reprogramming cell fate with a genome-scale library of artificial transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E8257-E8266	11.5	20
62	Directed Fusion of Mesenchymal Stem Cells with Cardiomyocytes via VSV-G Facilitates Stem Cell Programming. <i>Stem Cells International</i> , 2012 , 2012, 414038	5	19
61	MicroRNA let-7-TGFBR3 signalling regulates cardiomyocyte apoptosis after infarction. <i>EBioMedicine</i> , 2019 , 46, 236-247	8.8	17
60	Multiphoton flow cytometry to assess intrinsic and extrinsic fluorescence in cellular aggregates: applications to stem cells. <i>Microscopy and Microanalysis</i> , 2011 , 17, 540-54	0.5	17
59	L-type Ca ²⁺ channels gaining respect in heart failure. <i>Circulation Research</i> , 2002 , 91, 451-3	15.7	17
58	Voltage-dependent facilitation of cardiac L-type Ca channels expressed in HEK-293 cells requires beta-subunit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H126-36	5.2	17
57	Biomarkers of Human Pluripotent Stem Cell-Derived Cardiac Lineages. <i>Trends in Molecular Medicine</i> , 2017 , 23, 651-668	11.5	16
56	LRRC10 is required to maintain cardiac function in response to pressure overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H269-78	5.2	15
55	Caveolae-Mediated Activation of Mechanosensitive Chloride Channels in Pulmonary Veins Triggers Atrial Arrhythmogenesis. <i>Journal of the American Heart Association</i> , 2019 , 8, e012748	6	15
54	: A Review of Scaffold Materials for Engineering Cardiac Patches. <i>Emergent Materials</i> , 2019 , 2, 181-191	3.5	14

53	Irx4 identifies a chamber-specific cell population that contributes to ventricular myocardium development. <i>Developmental Dynamics</i> , 2014 , 243, 381-92	2.9	14
52	An electrifying iPSC disease model: long QT syndrome type 2 and heart cells in a dish. <i>Cell Stem Cell</i> , 2011 , 8, 130-1	18	14
51	Endogenous fluorescence signatures in living pluripotent stem cells change with loss of potency. <i>PLoS ONE</i> , 2012 , 7, e43708	3.7	14
50	Cellular therapies for heart disease: unveiling the ethical and public policy challenges. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 593-601	5.8	13
49	Coordinated Proliferation and Differentiation of Human-Induced Pluripotent Stem Cell-Derived Cardiac Progenitor Cells Depend on Bone Morphogenetic Protein Signaling Regulation by GREMLIN 2. <i>Stem Cells and Development</i> , 2017 , 26, 678-693	4.4	12
48	Irx4 Marks a Multipotent, Ventricular-Specific Progenitor Cell. <i>Stem Cells</i> , 2016 , 34, 2875-2888	5.8	12
47	Induced cardiac progenitor cells repopulate decellularized mouse heart scaffolds and differentiate to generate cardiac tissue. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118559	4.9	12
46	High-voltage injury resulting in permanent right heart dysfunction. <i>Chest</i> , 1999 , 115, 586-7	5.3	11
45	Long QT syndrome caveolin-3 mutations differentially modulate K ₄ and Ca _{1.2} channels to contribute to action potential prolongation. <i>Journal of Physiology</i> , 2019 , 597, 1531-1551	3.9	11
44	Quantitative proteomics reveals differential regulation of protein expression in recipient myocardium after trilineage cardiovascular cell transplantation. <i>Proteomics</i> , 2015 , 15, 2560-7	4.8	10
43	Recurrent ischemic strokes in a patient with Medtronic-Hall prosthetic aortic valve and valve strands. <i>Journal of the American Society of Echocardiography</i> , 1998 , 11, 755-7	5.8	10
42	Human induced pluripotent stem cell (hiPSC) derived cardiomyocytes to understand and test cardiac calcium handling: A glass half full. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 89, 379-80	5.8	9
41	Human embryonic stem cell-derived cardiomyocytes: drug discovery and safety pharmacology. <i>Expert Opinion on Drug Discovery</i> , 2007 , 2, 739-53	6.2	9
40	Generation of multipotent induced cardiac progenitor cells from mouse fibroblasts and potency testing in ex vivo mouse embryos. <i>Nature Protocols</i> , 2017 , 12, 1029-1054	18.8	8
39	In vivo imaging of inflammation and oxidative stress in a nonhuman primate model of cardiac sympathetic neurodegeneration. <i>Npj Parkinson's Disease</i> , 2018 , 4, 22	9.7	8
38	L-type Ca ²⁺ channels in atrial fibrillation: wallflowers or a vanishing act. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 427-31	5.8	8
37	Rational strategy to stop arrhythmias: Early afterdepolarizations and L-type Ca ²⁺ current. <i>Journal of General Physiology</i> , 2015 , 145, 475-9	3.4	7
36	Cardiomyopathy, mitochondria and Barth syndrome: iPSCs reveal a connection. <i>Nature Medicine</i> , 2014 , 20, 585-6	50.5	7

35	Cardiomyocyte transverse tubule loss leads the way to heart failure. <i>Future Cardiology</i> , 2011 , 7, 39-42	1.3	7
34	Blocking the L-type Ca ²⁺ channel with a gem: a paradigm for a more specific Ca ²⁺ channel blocker. <i>Circulation Research</i> , 2004 , 95, 337-9	15.7	7
33	Immune cell shuttle for precise delivery of nanotherapeutics for heart disease and cancer. <i>Science Advances</i> , 2021 , 7,	14.3	7
32	Functionally Integrated Top-Down Proteomics for Standardized Assessment of Human Induced Pluripotent Stem Cell-Derived Engineered Cardiac Tissues. <i>Journal of Proteome Research</i> , 2021 , 20, 1424-1433	5.6	7
31	Pediatric Dilated Cardiomyopathy-Associated (Leucine-Rich Repeat-Containing 10) Variant Reveals LRRC10 as an Auxiliary Subunit of Cardiac L-Type Ca Channels. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	6
30	Mission impossible: IGF-1 and PTEN specifically "Akt"ing on cardiac L-type Ca ²⁺ channels. <i>Circulation Research</i> , 2006 , 98, 1349-51	15.7	6
29	Tails of the L-type Ca(2+) channel: to sense oxygen or not. <i>Circulation Research</i> , 2000 , 87, 535-6	15.7	6
28	Primary cardiac manifestation of autosomal dominant polycystic kidney disease revealed by patient induced pluripotent stem cell-derived cardiomyocytes. <i>EBioMedicine</i> , 2019 , 40, 675-684	8.8	6
27	Stimulation rate modulates effects of the dihydropyridine CGP 28 392 on cardiac calcium-dependent action potentials. <i>British Journal of Pharmacology</i> , 1985 , 85, 523-8	8.6	5
26	A sympathetic model of L-type Ca ²⁺ channel-triggered arrhythmias. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H3-4	5.2	4
25	Layer-By-Layer Fabrication of Large and Thick Human Cardiac Muscle Patch Constructs With Superior Electrophysiological Properties. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 670504	5.7	4
24	To Be Young at Heart. <i>Cell Stem Cell</i> , 2018 , 22, 475-476	18	3
23	Cardiac Repair in a Porcine Model of Acute Myocardial Infarction with Human Induced Pluripotent Stem Cell-Derived Cardiovascular Cells. <i>Cell Stem Cell</i> , 2015 , 16, 102	18	3
22	Intramolecular ex vivo Fluorescence Resonance Energy Transfer (FRET) of Dihydropyridine Receptor (DHPR) α 1 Subunit Reveals Conformational Change Induced by RYR1 in Mouse Skeletal Myotubes. <i>PLoS ONE</i> , 2015 , 10, e0131399	3.7	3
21	Basic and Translational Research in Cardiac Repair and Regeneration: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 2092-2105	15.1	3
20	Cardiotoxicity in a dish: new insights for personalized therapy. <i>Nature Medicine</i> , 2016 , 22, 459-60	50.5	3
19	Cardiomyocyte Differentiation. <i>Human Cell Culture</i> , 2007 , 211-234		3
18	A rapid solubility assay of protein domain misfolding for pathogenicity assessment of rare DNA sequence variants. <i>Genetics in Medicine</i> , 2020 , 22, 1642-1652	8.1	2

17	Copy number variant hotspots in Han Taiwanese population induced pluripotent stem cell lines - lessons from establishing the Taiwan human disease iPSC Consortium Bank. <i>Journal of Biomedical Science</i> , 2020 , 27, 92	13.3	2
16	Aligned human cardiac syncytium for in vitro analysis of electrical, structural, and mechanical readouts. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 442-452	4.9	2
15	Most myopathic lamin variants aggregate: a functional genomics approach for assessing variants of uncertain significance. <i>Npj Genomic Medicine</i> , 2021 , 6, 103	6.2	1
14	Put to the test. <i>ELife</i> , 2017 , 6,	8.9	1
13	Long QT Syndrome Variant Induces hERG1a/1b Subunit Imbalance in Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021 , 14, e009343	6.4	1
12	Developmental lineage of human pluripotent stem cell-derived cardiac fibroblasts affects their functional phenotype. <i>FASEB Journal</i> , 2021 , 35, e21799	0.9	1
11	Oita International Electrophysiology Symposium 2000 Electrophysiology and Management of Lethal Arrhythmias in the New Millennium: From Genes to Bedside Japanese Journal of Electrophysiology, 2000 , 20, 99-100	0	0
10	Population-based high-throughput toxicity screen of human iPSC-derived cardiomyocytes and neurons.. <i>Cell Reports</i> , 2022 , 39, 110643	10.6	0
9	Cardiac Repair With Human Pluripotent Stem Cell-Derived Cardiovascular Cells and Arrhythmia Risk 2018 , 552-558		
8	Irx4 identifies a chamber-specific cell population that contributes to ventricular myocardium development. <i>Developmental Dynamics</i> , 2014 , 243, C1-C1	2.9	
7	Harry A. Fozzard, MD: 1931-2014. <i>Circulation Research</i> , 2015 , 116, 552-3	15.7	
6	Cell Therapy and Regenerative Electrophysiology 2014 , 559-566		
5	Embryonic Stem Cells and Cardiogenesis 2007 , 25-35		
4	Reply to Letter to the editor: Infarct size measurements are critically important when comparing interventions affecting ventricular remodeling American Journal of Physiology - Heart and Circulatory Physiology, 2007 , 293, H3222-H3222	5.2	
3	Inherited and acquired long QT syndromes: new insights and evolving technology. <i>Drug Discovery Today Disease Mechanisms</i> , 2004 , 1, 45-51		
2	Pharmacology of the Cardiac Sodium Channel 2004 , 127-132		
1	Classification and quantitative description of human embryonic stem cell-derived cardiomyocyte action potentials during post-differentiation maturation. <i>FASEB Journal</i> , 2010 , 24, 1058.11	0.9	