

Ming Lei

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143
papers

5,025
citations

40
h-index

67
g-index

157
ext. papers

5,690
ext. citations

6.4
avg, IF

5.19
L-index

#	Paper	IF	Citations
143	Structure of PAK1 in an autoinhibited conformation reveals a multistage activation switch. <i>Cell</i> , 2000 , 102, 387-97	56.2	440
142	Specific pattern of ionic channel gene expression associated with pacemaker activity in the mouse heart. <i>Journal of Physiology</i> , 2005 , 562, 223-34	3.9	247
141	Mathematical models of action potentials in the periphery and center of the rabbit sinoatrial node. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H397-421	5.2	206
140	Pak1 kinase homodimers are autoinhibited in trans and dissociated upon activation by Cdc42 and Rac1. <i>Molecular Cell</i> , 2002 , 9, 73-83	17.6	190
139	Requirement of neuronal- and cardiac-type sodium channels for murine sinoatrial node pacemaking. <i>Journal of Physiology</i> , 2004 , 559, 835-48	3.9	147
138	Organisation of the mouse sinoatrial node: structure and expression of HCN channels. <i>Cardiovascular Research</i> , 2007 , 73, 729-38	9.9	135
137	Voltage-gated sodium channels potentiate the invasive capacities of human non-small-cell lung cancer cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 774-86	5.6	121
136	Nitric oxide can increase heart rate by stimulating the hyperpolarization-activated inward current, I(f). <i>Circulation Research</i> , 1997 , 81, 60-8	15.7	121
135	Impairments of astrocytes are involved in the d-galactose-induced brain aging. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 1082-7	3.4	109
134	Generation of functional ion-channel tools by E3 targeting. <i>Nature Biotechnology</i> , 2005 , 23, 1289-93	44.5	105
133	Sudden cardiac death by Commotio cordis: role of mechano-electric feedback. <i>Cardiovascular Research</i> , 2001 , 50, 280-9	9.9	98
132	Neuronal nitric oxide synthase protects against myocardial infarction-induced ventricular arrhythmia and mortality in mice. <i>Circulation</i> , 2009 , 120, 1345-54	16.7	96
131	Connexins in the sinoatrial and atrioventricular nodes. <i>Advances in Cardiology</i> , 2006 , 42, 175-197		87
130	Sinus node dysfunction following targeted disruption of the murine cardiac sodium channel gene Scn5a. <i>Journal of Physiology</i> , 2005 , 567, 387-400	3.9	87
129	Modernized Classification of Cardiac Antiarrhythmic Drugs. <i>Circulation</i> , 2018 , 138, 1879-1896	16.7	83
128	TGF- β 1-mediated fibrosis and ion channel remodeling are key mechanisms in producing the sinus node dysfunction associated with SCN5A deficiency and aging. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 397-406	6.4	77
127	Pak1 as a novel therapeutic target for antihypertrophic treatment in the heart. <i>Circulation</i> , 2011 , 124, 2702-15	16.7	76

126	The active conformation of the PAK1 kinase domain. <i>Structure</i> , 2005 , 13, 769-78	5.2	73
125	Mechanistic links between Na ⁺ channel (SCN5A) mutations and impaired cardiac pacemaking in sick sinus syndrome. <i>Circulation Research</i> , 2010 , 107, 126-37	15.7	72
124	FTY720 prevents ischemia/reperfusion injury-associated arrhythmias in an ex vivo rat heart model via activation of Pak1/Akt signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 406-14	5.8	72
123	Heterogeneous expression of Ca(2+) handling proteins in rabbit sinoatrial node. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 311-24	3.4	69
122	Activation of Pak1/Akt/eNOS signaling following sphingosine-1-phosphate release as part of a mechanism protecting cardiomyocytes against ischemic cell injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1487-95	5.2	68
121	SCN5A and sinoatrial node pacemaker function. <i>Cardiovascular Research</i> , 2007 , 74, 356-65	9.9	68
120	Selected contribution: axial stretch increases spontaneous pacemaker activity in rabbit isolated sinoatrial node cells. <i>Journal of Applied Physiology</i> , 2000 , 89, 2099-104	3.7	68
119	Plasma membrane calcium pump (PMCA4)-neuronal nitric-oxide synthase complex regulates cardiac contractility through modulation of a compartmentalized cyclic nucleotide microdomain. <i>Journal of Biological Chemistry</i> , 2011 , 286, 41520-41529	5.4	62
118	Genetic Na ⁺ channelopathies and sinus node dysfunction. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 171-8	4.7	61
117	Expression of voltage-gated sodium channel alpha subunit in human ovarian cancer. <i>Oncology Reports</i> , 2010 , 23, 1293-9	3.5	59
116	Cardiac-specific deletion of mkk4 reveals its role in pathological hypertrophic remodeling but not in physiological cardiac growth. <i>Circulation Research</i> , 2009 , 104, 905-14	15.7	58
115	Multiple loss-of-function mechanisms contribute to SCN5A-related familial sick sinus syndrome. <i>PLoS ONE</i> , 2010 , 5, e10985	3.7	58
114	Two components of the delayed rectifier potassium current, I _K , in rabbit sino-atrial node cells. <i>Experimental Physiology</i> , 1996 , 81, 725-41	2.4	55
113	Paced electrogram fractionation analysis of arrhythmogenic tendency in DeltaKPQ Scn5a mice. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 1329-40	2.7	52
112	A mathematical model of action potentials of mouse sinoatrial node cells with molecular bases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H945-63	5.2	48
111	Ablation of p21-activated kinase-1 in mice promotes isoproterenol-induced cardiac hypertrophy in association with activation of Erk1/2 and inhibition of protein phosphatase 2A. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 988-96	5.8	47
110	Regulation of cardiac excitation and contraction by p21 activated kinase-1. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 238-50	4.7	47
109	Two-pore Channels (TPC2s) and Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) at Lysosomal-Sarcoplasmic Reticular Junctions Contribute to Acute and Chronic β -Adrenoceptor Signaling in the Heart. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30087-98	5.4	44

108	Role of pacemaking current in cardiac nodes: insights from a comparative study of sinoatrial node and atrioventricular node. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 96, 294-304	4.7	44
107	A novel immunomodulator, FTY-720 reverses existing cardiac hypertrophy and fibrosis from pressure overload by targeting NFAT (nuclear factor of activated T-cells) signaling and periostin. <i>Circulation: Heart Failure</i> , 2013 , 6, 833-44	7.6	43
106	Characterisation of the transient outward K ⁺ current in rabbit sinoatrial node cells. <i>Cardiovascular Research</i> , 2000 , 46, 433-41	9.9	42
105	Atrial arrhythmia, triggering events and conduction abnormalities in isolated murine RyR2-P2328S hearts. <i>Acta Physiologica</i> , 2013 , 207, 308-23	5.6	41
104	Regulation of L-type calcium channel and delayed rectifier potassium channel activity by p21-activated kinase-1 in guinea pig sinoatrial node pacemaker cells. <i>Circulation Research</i> , 2007 , 100, 1317-27	15.7	41
103	Heterogeneous expression of the delayed-rectifier K ⁺ currents i(K _r) and i(K _s) in rabbit sinoatrial node cells. <i>Journal of Physiology</i> , 2001 , 535, 703-14	3.9	40
102	Serum sphingolipids level as a novel potential marker for early detection of human myocardial ischaemic injury. <i>Frontiers in Physiology</i> , 2013 , 4, 130	4.6	38
101	Sodium channel biophysics, late sodium current and genetic arrhythmic syndromes. <i>Pflugers Archiv European Journal of Physiology</i> , 2017 , 469, 629-641	4.6	36
100	Distribution and functional role of inositol 1,4,5-trisphosphate receptors in mouse sinoatrial node. <i>Circulation Research</i> , 2011 , 109, 848-57	15.7	36
99	Synthesis of the Ca-mobilizing messengers NAADP and cADPR by intracellular CD38 enzyme in the mouse heart: Role in α -adrenoceptor signaling. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13243-13257	5.4	35
98	Optogenetic Control of Heart Rhythm by Selective Stimulation of Cardiomyocytes Derived from Pnmt Cells in Murine Heart. <i>Scientific Reports</i> , 2017 , 7, 40687	4.9	32
97	Mkk4 is a negative regulator of the transforming growth factor beta 1 signaling associated with atrial remodeling and arrhythmogenesis with age. <i>Journal of the American Heart Association</i> , 2014 , 3, e000340	6	32
96	Remodeling of the cardiac pacemaker L-type calcium current and its beta-adrenergic responsiveness in hypertension after neuronal NO synthase gene transfer. <i>Hypertension</i> , 2006 , 48, 443-52	8.5	32
95	Role of the 293b-sensitive, slowly activating delayed rectifier potassium current, i(K _s), in pacemaker activity of rabbit isolated sino-atrial node cells. <i>Cardiovascular Research</i> , 2002 , 53, 68-79	9.9	32
94	Biochemical studies of membrane fusion at the single-particle level. <i>Progress in Lipid Research</i> , 2019 , 73, 92-100	14.3	31
93	Swelling-induced decrease in spontaneous pacemaker activity of rabbit isolated sino-atrial node cells. <i>Acta Physiologica Scandinavica</i> , 1998 , 164, 1-12		30
92	Conduction slowing contributes to spontaneous ventricular arrhythmias in intrinsically active murine RyR2-P2328S hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 210-8	2.7	29
91	Sphingosine-1-phosphate promotes the differentiation of human umbilical cord mesenchymal stem cells into cardiomyocytes under the designated culturing conditions. <i>Journal of Biomedical Science</i> , 2011 , 18, 37	13.3	29

90	Mutation-specific effects of polymorphism H558R in SCN5A-related sick sinus syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , 2010 , 21, 564-73	2.7	29
89	Acute atrial arrhythmogenicity and altered Ca(2+) homeostasis in murine RyR2-P2328S hearts. <i>Cardiovascular Research</i> , 2011 , 89, 794-804	9.9	28
88	Delayed conduction and its implications in murine Scn5a(+/-) hearts: independent and interacting effects of genotype, age, and sex. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 461, 29-44	4.6	28
87	Characterization of the effects of ryanodine, TTX, E-4031 and 4-AP on the sinoatrial and atrioventricular nodes. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 96, 452-64	4.7	27
86	Computational evaluation of the roles of Na+ current, iNa, and cell death in cardiac pacemaking and driving. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H165-74	5.2	27
85	Modulation of delayed rectifier potassium current, iK, by isoprenaline in rabbit isolated pacemaker cells. <i>Experimental Physiology</i> , 2000 , 85, 27-35	2.4	27
84	Altered sinoatrial node function and intra-atrial conduction in murine gain-of-function Scn5a+/ΔPQ hearts suggest an overlap syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1510-23	5.2	25
83	Frequency distribution analysis of activation times and regional fibrosis in murine Scn5a+/- hearts: the effects of ageing and sex. <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 591-9	5.6	24
82	Mapping of reentrant spontaneous polymorphic ventricular tachycardia in a Scn5a+/- mouse model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1853-62	5.2	24
81	Regulation of Ca(2+) transient by PP2A in normal and failing heart. <i>Frontiers in Physiology</i> , 2015 , 6, 13	4.6	23
80	Characterization of a right atrial subsidiary pacemaker and acceleration of the pacing rate by HCN over-expression. <i>Cardiovascular Research</i> , 2013 , 100, 160-9	9.9	23
79	Correlations between clinical and physiological consequences of the novel mutation R878C in a highly conserved pore residue in the cardiac Na+ channel. <i>Acta Physiologica</i> , 2008 , 194, 311-23	5.6	23
78	Altered expression of gap junction connexin proteins may partly underlie heart rhythm disturbances in the streptozotocin-induced diabetic rat heart. <i>Molecular and Cellular Biochemistry</i> , 2007 , 305, 145-51	4.2	22
77	Pak1 is required to maintain ventricular Ca ²⁺ homeostasis and electrophysiological stability through SERCA2a regulation in mice. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 938-48	6.4	21
76	The involvement of TRPC3 channels in sinoatrial arrhythmias. <i>Frontiers in Physiology</i> , 2015 , 6, 86	4.6	19
75	Atrial arrhythmogenicity in aged Scn5a+/DeltaKPQ mice modeling long QT type 3 syndrome and its relationship to Na+ channel expression and cardiac conduction. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 460, 593-601	4.6	19
74	Late sodium current associated cardiac electrophysiological and mechanical dysfunction. <i>Pflugers Archiv European Journal of Physiology</i> , 2018 , 470, 461-469	4.6	19
73	The p21-activated kinase 1 (Pak1) signalling pathway in cardiac disease: from mechanistic study to therapeutic exploration. <i>British Journal of Pharmacology</i> , 2018 , 175, 1362-1374	8.6	18

72	Transverse cardiac slicing and optical imaging for analysis of transmural gradients in membrane potential and Ca transients in murine heart. <i>Journal of Physiology</i> , 2018 , 596, 3951-3965	3.9	18
71	PAK1 is a novel cardiac protective signaling molecule. <i>Frontiers of Medicine</i> , 2014 , 8, 399-403	12	18
70	Inhibition of angiotensin II-induced cardiac hypertrophy and associated ventricular arrhythmias by a p21 activated kinase 1 bioactive peptide. <i>PLoS ONE</i> , 2014 , 9, e101974	3.7	18
69	Cardioprotection in ischemia/reperfusion injury: spotlight on sphingosine-1-phosphate and bradykinin signalling. <i>Progress in Biophysics and Molecular Biology</i> , 2010 , 103, 142-7	4.7	16
68	Sinus node dysfunction in ATX-II-induced in-vitro murine model of long QT3 syndrome and rescue effect of ranolazine. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 198-207	4.7	15
67	Heterogeneity of 4-aminopyridine-sensitive current in rabbit sinoatrial node cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H1295-304	5.2	15
66	Smad3 Couples Pak1 With the Antihypertrophic Pathway Through the E3 Ubiquitin Ligase, Fbxo32. <i>Hypertension</i> , 2015 , 66, 1176-83	8.5	14
65	Arrhythmic substrate, slowed propagation and increased dispersion in conduction direction in the right ventricular outflow tract of murine Scn5a ^{+/-} hearts. <i>Acta Physiologica</i> , 2014 , 211, 559-73	5.6	14
64	Abnormal Ca(2+) homeostasis, atrial arrhythmogenesis, and sinus node dysfunction in murine hearts modeling RyR2 modification. <i>Frontiers in Physiology</i> , 2013 , 4, 150	4.6	14
63	Novel roles of PAK1 in the heart. <i>Cellular Logistics</i> , 2012 , 2, 89-94		14
62	Glycyrrhetic acid blocks cardiac sodium channels expressed in <i>Xenopus</i> oocytes. <i>Journal of Ethnopharmacology</i> , 2009 , 125, 318-23	5	13
61	The curious role of sarcomeric proteins in control of diverse processes in cardiac myocytes. <i>Journal of General Physiology</i> , 2010 , 136, 13-9	3.4	12
60	Novel bradykinin signaling in adult rat cardiac myocytes through activation of p21-activated kinase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1283-9	5.2	12
59	Stress-Activated Kinase Mitogen-Activated Kinase Kinase-7 Governs Epigenetics of Cardiac Repolarization for Arrhythmia Prevention. <i>Circulation</i> , 2017 , 135, 683-699	16.7	11
58	The effect of the sphingosine-1-phosphate analogue FTY720 on atrioventricular nodal tissue. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1729-34	5.6	11
57	18 β -Glycyrrhetic acid preferentially blocks late Na current generated by K^+PQ Nav1.5 channels. <i>Acta Pharmacologica Sinica</i> , 2012 , 33, 752-60	8	11
56	Differences in sino-atrial and atrio-ventricular function with age and sex attributable to the Scn5a ^{+/-} mutation in a murine cardiac model. <i>Acta Physiologica</i> , 2010 , 200, 23-33	5.6	11
55	Functional expression of voltage-gated sodium channels Nav1.5 in human breast cancer cell line MDA-MB-231. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2009 , 29, 64-7		11

54	The age-dependence of atrial arrhythmogenicity in Scn5a+/- murine hearts reflects alterations in action potential propagation and recovery. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012 , 39, 518-27	3	9
53	Novel insights into mechanisms for Pak1-mediated regulation of cardiac Ca(2+) homeostasis. <i>Frontiers in Physiology</i> , 2015 , 6, 76	4.6	9
52	Mitogen-activated protein kinase kinase 4 deficiency in cardiomyocytes causes connexin 43 reduction and couples hypertrophic signals to ventricular arrhythmogenesis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 17821-30	5.4	9
51	Cardiac optical mapping - State-of-the-art and future challenges. <i>International Journal of Biochemistry and Cell Biology</i> , 2020 , 126, 105804	5.6	9
50	Decellularized Disc Hydrogels for hBMSCs tissue-specific differentiation and tissue regeneration. <i>Bioactive Materials</i> , 2021 , 6, 3541-3556	16.7	9
49	Segmental composite porous scaffolds with either osteogenesis or anti-bone resorption properties tested in a rabbit ulna defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 34-43	4.4	8
48	Optimal iodine staining of cardiac tissue for X-ray computed tomography. <i>PLoS ONE</i> , 2014 , 9, e105552	3.7	8
47	Unique catalytic activities and scaffolding of p21 activated kinase-1 in cardiovascular signaling. <i>Frontiers in Pharmacology</i> , 2013 , 4, 116	5.6	8
46	Pharmacological changes in cellular Ca2+ homeostasis parallel initiation of atrial arrhythmogenesis in murine Langendorff-perfused hearts. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 969-80	3	8
45	Cardiac arrhythmogenesis: a tale of two clocks?. <i>Cardiovascular Research</i> , 2020 , 116, e205-e209	9.9	8
44	Effect of sphingosine-1-phosphate on L-type calcium current and Ca(2+) transient in rat ventricular myocytes. <i>Molecular and Cellular Biochemistry</i> , 2016 , 419, 83-92	4.2	8
43	A Protocol for Transverse Cardiac Slicing and Optical Mapping in Murine Heart. <i>Frontiers in Physiology</i> , 2019 , 10, 755	4.6	6
42	Plasma membrane Ca -ATPase 1 is required for maintaining atrial Ca homeostasis and electrophysiological stability in the mouse. <i>Journal of Physiology</i> , 2017 , 595, 7383-7398	3.9	6
41	The sinoatrial node: cell size does matter. <i>Circulation Research</i> , 2007 , 101, e81-2	15.7	6
40	Modulation of delayed rectifier potassium current, i K, by isoprenaline in rabbit isolated pacemaker cells. <i>Experimental Physiology</i> , 2000 , 85, 27-35	2.4	6
39	Nav1.5-E3 antibody inhibits cancer progression.. <i>Translational Cancer Research</i> , 2019 , 8, 44-50	0.3	6
38	Mechanistic insights into ventricular arrhythmogenesis of hydroxychloroquine and azithromycin for the treatment of COVID-19		6
37	A potent antiarrhythmic drug N-methyl berbamine extends the action potential through inhibiting both calcium and potassium currents. <i>Journal of Pharmacological Sciences</i> , 2020 , 142, 131-139	3.7	5

36	Pathophysiological Mechanisms of Sino-Atrial Dysfunction and Ventricular Conduction Disease Associated with SCN5A Deficiency: Insights from Mouse Models. <i>Frontiers in Physiology</i> , 2012 , 3, 234	4.6	5
35	Three-dimensional image reconstruction of distribution of Pnmt cell-derived cells in murine heart. <i>Scientific Data</i> , 2017 , 4, 170134	8.2	4
34	A Protocol for Dual Calcium-Voltage Optical Mapping in Murine Sinoatrial Preparation With Optogenetic Pacing. <i>Frontiers in Physiology</i> , 2019 , 10, 954	4.6	4
33	Distinct roles of calmodulin and Ca/calmodulin-dependent protein kinase II in isopreterenol-induced cardiac hypertrophy. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 526, 960-966	3.4	4
32	The SCN5A mutation A1180V is associated with electrocardiographic features of LQT3. <i>Pediatric Cardiology</i> , 2014 , 35, 295-300	2.1	4
31	The c-Jun signaling pathway has a protective effect on nucleus pulposus cells in patients with intervertebral disc degeneration. <i>Experimental and Therapeutic Medicine</i> , 2020 , 20, 123	2.1	4
30	Reactive Oxygen Species Regulate Endoplasmic Reticulum Stress and ER-Mitochondrial Ca Crosstalk to Promote Programmed Necrosis of Rat Nucleus Pulposus Cells under Compression. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 8810698	6.7	4
29	Non-muscarinic and non-nicotinic inhibition by the acetylcholine analogue carbachol of the delayed rectifier potassium current, iK, in rabbit isolated sino-atrial node cells. <i>Experimental Physiology</i> , 1999 , 84, 631-8	2.4	4
28	Growth factors mediated differentiation of mesenchymal stem cells to cardiac polymicrotissue using hanging drop and bioreactor. <i>Cell Biology International</i> , 2015 , 39, 502-7	4.5	3
27	Update on antiarrhythmic drug pharmacology. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 579-592	5.9	3
26	Inhibition by Compound II, a sotalol analogue, of delayed rectifier current (iK) in rabbit isolated sino-atrial node cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998 , 357, 260-7	3.4	3
25	Generation of two induced pluripotent stem cell lines (XACHi0010-A, XACHi0011-A) from a Chinese family with combined oxidative phosphorylation deficiency carrying homozygous and heterozygous C1QBP-L275F mutation. <i>Stem Cell Research</i> , 2020 , 47, 101912	1.6	3
24	An in vivo study of the effect of c-Jun on intervertebral disc degeneration in rats. <i>Bioengineered</i> , 2021 , 12, 4320-4330	5.7	3
23	Antiarrhythmic drugs [An updated classification after 50 years. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 140, 10	5.8	2
22	Transient outward K ⁺ current, i _{to} , in the sinoatrial node. <i>Cardiovascular Research</i> , 2001 , 52, 519-520	9.9	2
21	Synergistic effect of bioactive lipid and condition medium on cardiac differentiation of human mesenchymal stem cells from different tissues. <i>Cell Biochemistry and Function</i> , 2016 , 34, 163-72	4.2	2
20	Pnmt-Derived Cardiomyocytes: Anatomical Localization, Function and Future Perspectives. <i>Frontiers in Physiology</i> , 2019 , 10, 713	4.6	1
19	NON-MUSCARINIC AND NON-NICOTINIC INHIBITION BY THE ACETYLCHOLINE ANALOGUE CARBACHOL OF THE DELAYED RECTIFIER POTASSIUM CURRENT, iK, IN RABBIT ISOLATED SINO-ATRIAL NODE CELLS. <i>Experimental Physiology</i> , 1999 , 84, 631-638	2.4	1

18	Ventricular SK2 upregulation following angiotensin II challenge: Modulation by p21-activated kinase-1. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 164, 110-125	5.8	1
17	Neuropilin-1 is a valuable biomarker for predicting response of advanced non-small cell lung cancer patients to hypofractionated radiotherapy and PD-1 blockade.. <i>International Immunopharmacology</i> , 2022 , 109, 108732	5.8	1
16	Non-Muscarinic and Non-Nicotinic Inhibition by the Acetylcholine Analogue Carbachol of the Delayed Rectifier Potassium Current, i_k , in Rabbit Isolated Sino-Atrial Node Cells. <i>Experimental Physiology</i> , 1999 , 84, 631-638	2.4	0
15	The V2475F CPVT1 mutation yields distinct RyR2 channel populations that differ in their responses to cytosolic Ca and Mg. <i>Journal of Physiology</i> , 2021 , 599, 5179-5201	3.9	0
14	Novel cardiac cell subpopulations: Pnmt-derived cardiomyocytes. <i>Open Biology</i> , 2020 , 10, 200095	7	0
13	Electrophysiological and Proarrhythmic Effects of Hydroxychloroquine Challenge in Guinea-Pig Hearts. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1639-1653	5.9	0
12	Generation of induced pluripotent stem cells (iPSCs) from a Chinese infant (XACHi015-A) with type 2 Long QT syndrome carrying the heterozygous mutation c.1814C>T(p.P605L) in KCNH2. <i>Stem Cell Research</i> , 2021 , 56, 102509	1.6	0
11	High resolution optical mapping of cardiac electrophysiology in pre-clinical models.. <i>Scientific Data</i> , 2022 , 9, 135	8.2	0
10	A dataset of dual calcium and voltage optical mapping in healthy and hypertrophied murine hearts.. <i>Scientific Data</i> , 2021 , 8, 314	8.2	0
9	Ageing Increases Cardiac Electrical Remodelling in Rats and Mice via NOX4/ROS/CaMKII-Mediated Calcium Signalling.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 8538296	6.7	0
8	Response by Lei et al to Letter Regarding Article, "Modernized Classification of Cardiac Antiarrhythmic Drugs". <i>Circulation</i> , 2019 , 139, 1652-1653	16.7	
7	Generation of three iPSC lines (XACHi007-A, XACHi008-A, XACHi009-A) from a Chinese family with long QT syndrome type 5 with heterozygous c.226G>A (p.D76N) mutation in KCNE1 gene. <i>Stem Cell Research</i> , 2020 , 45, 101798	1.6	
6	PS 04-18 THE EFFECT OF THE SPHINGOSINE-1-PHOSPHATE ANALOGUE FTY720 ON ATRIOVENTRICULAR NODAL TISSUE. <i>Journal of Hypertension</i> , 2016 , 34, e138	1.9	
5	16 Delayed conduction and its implications in murine SCN5a+/l hearts: independent and interacting effects of genotype, age and sex. <i>Heart</i> , 2011 , 97, e5-e5	5.1	
4	Nitric Oxide Exerts a Direct Positive Chronotropic Effect through the Activation of a Novel Signal Transduction Pathway in the Sino-Atrial Node. <i>Clinical Science</i> , 2000 , 99, 2P-2P		
3	A Comparative Study of Systolic and Diastolic Mechanical Synchrony in Canine, Primate, and Healthy and Failing Human Hearts. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 750067	5.4	
2	Cardiac & Respiratory Physiology Themed Meeting 2013 , 16-17		
1	Establishment of iPSC line from a Chinese infant (XACHi012-A) with Jervell and Lange-Nielsen syndrome carrying combined KCNQ1 frameshift c.431delC(p.I145Sfs*92) and nonsense c.1175G>A (p.W392X) variants and two iPSC lines from the parents (XACHi013-A, XACHi014-A). <i>Stem Cell Research</i> , 2021 , 53, 102391	1.6	

