

Karin R Sipido

List of Publications by Year in descending order

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157
papers

7,189
citations

47006

47
h-index

62596

80
g-index

164
all docs

164
docs citations

164
times ranked

6916
citing authors

#	ARTICLE	IF	CITATIONS
1	Human iPSC model reveals a central role for NOX4 and oxidative stress in Duchenne cardiomyopathy. <i>Stem Cell Reports</i> , 2022, 17, 352-368.	4.8	15
2	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2022, 118, 3016-3051.	3.8	30
3	MSK-Mediated Phosphorylation of Histone H3 Ser28 Couples MAPK Signalling with Early Gene Induction and Cardiac Hypertrophy. <i>Cells</i> , 2022, 11, 604.	4.1	8
4	Using a Genetic Algorithm to Parameterize a Mathematical Model of a Porcine Ventricular Cardiomyocyte. <i>Biophysical Journal</i> , 2021, 120, 333a.	0.5	0
5	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	54
6	Calcium and postoperative atrial fibrillation: round up the usual suspects!. <i>Cardiovascular Research</i> , 2021, 117, 1614-1615.	3.8	0
7	Ca ²⁺ release via InsP3Rs enhances RyR recruitment during Ca ²⁺ transients by increasing dyadic [Ca ²⁺] in cardiomyocytes. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	10
8	Discrete sites of frequent premature ventricular complexes cluster within the infarct border zone and coincide with high frequency of delayed afterdepolarizations under adrenergic stimulation. <i>Heart Rhythm</i> , 2021, 18, 1976-1987.	0.7	16
9	Edward Carmeliet: his contributions and scientific legacy. <i>Journal of Physiology</i> , 2021, 599, 4727-4729.	2.9	0
10	Ventricular Arrhythmias in Ischemic Cardiomyopathy—New Avenues for Mechanism-Guided Treatment. <i>Cells</i> , 2021, 10, 2629.	4.1	21
11	OUP accepted manuscript. <i>Cardiovascular Research</i> , 2021, , .	3.8	0
12	Incomplete Assembly of the Dystrophin-Associated Protein Complex in 2D and 3D-Cultured Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 737840.	3.7	10
13	Calcium Signaling in Cardiomyocyte Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035428.	5.5	58
14	Altered adrenergic response in myocytes bordering a chronic myocardial infarction underlies in vivo triggered activity and repolarization instability. <i>Journal of Physiology</i> , 2020, 598, 2875-2895.	2.9	20
15	Health research and knowledge translation for achieving the sustainable development goals: tackling the hurdles. <i>European Journal of Public Health</i> , 2020, 30, i36-i40.	0.3	4
16	Overcoming fragmentation of health research in Europe: lessons from COVID-19. <i>Lancet, The</i> , 2020, 395, 1970-1971.	13.7	14
17	The Cardiovascular Research community calls for action to address the growing burden of cardiovascular disease. <i>Cardiovascular Research</i> , 2019, 115, e96-e98.	3.8	17
18	Myofibroblast modulation of cardiac myocyte structure and function. <i>Scientific Reports</i> , 2019, 9, 8879.	3.3	49

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19	Hot topics and trends in cardiovascular research. <i>European Heart Journal</i> , 2019, 40, 2363-2374.	2.2	40
20	Myofibroblast Phenotype and Reversibility of Fibrosis in Patients With End-Stage Heart Failure. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2267-2282.	2.8	119
21	Extracellular SPARC increases cardiomyocyte contraction during health and disease. <i>PLoS ONE</i> , 2019, 14, e0209534.	2.5	19
22	Irreproducible results in preclinical cardiovascular research: opportunities in times of need. <i>Cardiovascular Research</i> , 2019, 115, e34-e36.	3.8	4
23	RNA-sequencing reveals that STRN, ZNF484 and WNK1 add to the value of mitochondrial MT-COI and COX10 as markers of unstable coronary artery disease. <i>PLoS ONE</i> , 2019, 14, e0225621.	2.5	5
24	Open access and Plan S: a "prisoner's dilemma". <i>European Heart Journal</i> , 2019, 40, 3745-3747.	2.2	0
25	Contractile responses to endothelin-1 are regulated by PKC phosphorylation of cardiac myosin binding protein-C in rat ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 117, 1-18.	1.9	19
26	Hyperactive ryanodine receptors in human heart failure and ischaemic cardiomyopathy reside outside of couplons. <i>Cardiovascular Research</i> , 2018, 114, 1512-1524.	3.8	47
27	A Changing Landscape in Cardiovascular Research Publication Output. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1584-1589.	2.8	9
28	Low-flow support of the chronic pressure-overloaded right ventricle induces reversed remodeling. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 151-160.	0.6	15
29	CardioScape mapping the cardiovascular funding landscape in Europe. <i>European Heart Journal</i> , 2018, 39, 2423-2430.	2.2	6
30	Myocyte Remodeling Due to Fibro-Fatty Infiltrations Influences Arrhythmogenicity. <i>Frontiers in Physiology</i> , 2018, 9, 1381.	2.8	12
31	Mapping cross-border collaboration and communication in cardiovascular research from 1992 to 2012. <i>European Heart Journal</i> , 2017, 38, ehv459.	2.2	34
32	Improving public health by improving clinical trial guidelines and their application. <i>European Heart Journal</i> , 2017, 38, 1632-1637.	2.2	19
33	Peer review: (r)evolution needed. <i>Cardiovascular Research</i> , 2017, 113, e54-e56.	3.8	7
34	Global fibroblast activation throughout the left ventricle but localized fibrosis after myocardial infarction. <i>Scientific Reports</i> , 2017, 7, 10801.	3.3	59
35	Impaired calcium homeostasis is associated with sudden cardiac death and arrhythmias in a genetic equivalent mouse model of the human HRC-Ser96Ala variant. <i>Cardiovascular Research</i> , 2017, 113, 1403-1417.	3.8	14
36	Cardiovascular Research turns the spotlight onto the right ventricle. <i>Cardiovascular Research</i> , 2017, 113, e45-e46.	3.8	2

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37	The generosity of the Cardiovascular Research community. <i>Cardiovascular Research</i> , 2017, 113, 1701-1702.	3.8	7
38	Editorial highlights from <i>Cardiovascular Research</i> . <i>Cardiovascular Research</i> , 2017, 113, e64-e68.	3.8	2
39	Activin A Modulates CRIPTO-1/HNF4 α Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-17.	2.5	11
40	Calcium/calmodulin-dependent kinase II and nitric oxide synthase 1-dependent modulation of ryanodine receptors during β -adrenergic stimulation is restricted to the dyadic cleft. <i>Journal of Physiology</i> , 2016, 594, 5923-5939.	2.9	33
41	"A picture is worth a thousand words": image highlights from <i>Cardiovascular Research</i> . <i>Cardiovascular Research</i> , 2016, 112, 622-625.	3.8	1
42	Scientific Panel for Health: better research for better health. <i>Lancet</i> , The, 2016, 388, 865-866.	13.7	8
43	Virtual issue: focus on cardiovascular protection. <i>Cardiovascular Research</i> , 2016, 111, 125-127.	3.8	0
44	Reduced mitochondrial respiration in the ischemic as well as in the remote nonischemic region in postmyocardial infarction remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1075-H1090.	3.2	21
45	Letter by Sipido and GlÄnzl Regarding Article, "Poorly Cited Articles in Peer-Reviewed Cardiovascular Journals from 1997 to 2007: Analysis of 5-Year Citation Rates". <i>Circulation</i> , 2016, 133, e22.	1.6	0
46	Spotlight on atrial fibrillation in <i>Cardiovascular Research</i> . <i>Cardiovascular Research</i> , 2016, 109, 463-464.	3.8	0
47	Calcium release near I-type calcium channels promotes beat-to-beat variability in ventricular myocytes from the chronic AV block dog. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 326-334.	1.9	22
48	Basic Methods for Monitoring Intracellular Ca ²⁺ in Cardiac Myocytes Using Fluo-3. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076950.	0.3	12
49	Characterizing the Trigger for Sarcoplasmic Reticulum Ca ²⁺ Release in Cardiac Myocytes. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076968.	0.3	3
50	Measuring Sarcoplasmic Reticulum Ca ²⁺ Content, Fractional Release, and Ca ²⁺ Buffering in Cardiac Myocytes. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076976.	0.3	4
51	Assessing Ca ²⁺ -Removal Pathways in Cardiac Myocytes. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot076992.	0.3	3
52	Ryanodine receptor cluster fragmentation and redistribution in persistent atrial fibrillation enhance calcium release. <i>Cardiovascular Research</i> , 2015, 108, 387-398.	3.8	93
53	Welcome to <i>Cardiovascular Research</i> in 2015. <i>Cardiovascular Research</i> , 2015, 105, 1-2.	3.8	0
54	Na ⁺ /Ca ²⁺ exchange and Na ⁺ /K ⁺ -ATPase in the heart. <i>Journal of Physiology</i> , 2015, 593, 1361-1382.	2.9	160

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55	A Systematic Approach for Assessing Ca ²⁺ Handling in Cardiac Myocytes. Cold Spring Harbor Protocols, 2015, 2015, pdb.top066142.	0.3	1
56	Measuring Ca ²⁺ Sparks in Cardiac Myocytes. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot076984.	0.3	1
57	Further insights into blood pressure induced premature beats: Transient depolarizations are associated with fast myocardial deformation upon pressure decline. Heart Rhythm, 2015, 12, 2305-2315.	0.7	8
58	Hot topics and networks in Cardiovascular Research. Cardiovascular Research, 2015, 108, 313-318.	3.8	2
59	Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. Cardiovascular Research, 2014, 101, 97-107.	3.8	46
60	Reversible and irreversible differentiation of cardiac fibroblasts. Cardiovascular Research, 2014, 101, 411-422.	3.8	77
61	Cardiovascular Research as a forum for publications from China: present, past, and future. Cardiovascular Research, 2014, 104, 383-387.	3.8	1
62	The continuum of personalized cardiovascular medicine: a position paper of the European Society of Cardiology. European Heart Journal, 2014, 35, 3250-3257.	2.2	81
63	Bedside to bench: a look at experimental research with a clinical trial checklist. Cardiovascular Research, 2014, 101, 1-3.	3.8	11
64	FKBP12.6 overexpression does not protect against remodelling after myocardial infarction. Experimental Physiology, 2013, 98, 134-148.	2.0	6
65	Role of nitric oxide and oxidative stress in a sheep model of persistent atrial fibrillation. Europace, 2013, 15, 754-760.	1.7	38
66	Intracellular Dyssynchrony of Diastolic Cytosolic [Ca ²⁺] Decay in Ventricular Cardiomyocytes in Cardiac Remodeling and Human Heart Failure. Circulation Research, 2013, 113, 527-538.	4.5	50
67	T-tubules and ryanodine receptor microdomains: on the road to translation. Cardiovascular Research, 2013, 98, 159-161.	3.8	18
68	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. Basic Research in Cardiology, 2013, 108, 309.	5.9	216
69	Combined Na ⁺ /Ca ²⁺ Exchanger and L-Type Calcium Channel Block as a Potential Strategy to Suppress Arrhythmias and Maintain Ventricular Function. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 371-379.	4.8	44
70	Selective Modulation of Coupled Ryanodine Receptors During Microdomain Activation of Calcium/Calmodulin-Dependent Kinase II in the Dyadic Cleft. Circulation Research, 2013, 113, 1242-1252.	4.5	37
71	What does the future hold for Cardiovascular Research?. Cardiovascular Research, 2013, 97, 1-3.	3.8	4
72	Can Body Surface Microvolt T _w Wave Alternans Distinguish Concordant and Discordant Intracardiac Alternans?. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 1007-1016.	1.2	6

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73	Data-based theoretical identification of subcellular calcium compartments and estimation of calcium dynamics in cardiac myocytes. <i>Journal of Physiology</i> , 2012, 590, 4423-4446.	2.9	10
74	Impairment of trafficking by downregulation of an anchor protein: Novel insights into additional mechanisms responsible for heart failure. <i>Heart Rhythm</i> , 2012, 9, 821-822.	0.7	0
75	Histological correlate of a cardiac magnetic resonance imaged microvascular obstruction in a porcine model of ischemia-reperfusion. <i>Cardiovascular Pathology</i> , 2012, 21, 129-131.	1.6	33
76	Transcriptome Characterization of Estrogen-Treated Human Myocardium Identifies Myosin Regulatory Light Chain Interacting Protein as a Sex-Specific Element Influencing Contractile Function. <i>Journal of the American College of Cardiology</i> , 2012, 59, 410-417.	2.8	95
77	Connexin mimetic peptides inhibit Cx43 hemichannel opening triggered by voltage and intracellular Ca ²⁺ elevation. <i>Basic Research in Cardiology</i> , 2012, 107, 304.	5.9	132
78	Alternative strategies in arrhythmia therapy: Evaluation of Na/Ca exchange as an anti-arrhythmic target. , 2012, 134, 26-42.		56
79	The growing burden of cardiovascular disease. <i>European Heart Journal</i> , 2012, 33, 1540-1.	2.2	4
80	Microvolt T-wave alternans and beat-to-beat variability of repolarization during early postischemic remodeling in a pig heart. <i>Heart Rhythm</i> , 2011, 8, 1050-1057.	0.7	14
81	Dyssynchrony of Ca ²⁺ release from the sarcoplasmic reticulum as subcellular mechanism of cardiac contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 390-400.	1.9	65
82	Exercise training does not improve cardiac function in compensated or decompensated left ventricular hypertrophy induced by aortic stenosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 1017-1025.	1.9	44
83	Subcellular Heterogeneity of Ryanodine Receptor Properties in Ventricular Myocytes with Low T-Tubule Density. <i>PLoS ONE</i> , 2011, 6, e25100.	2.5	53
84	Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. <i>British Journal of Pharmacology</i> , 2011, 163, 469-483.	5.4	75
85	Microdomain [Ca ²⁺] near ryanodine receptors as reported by Ca ²⁺ and Na ⁺ /Ca ²⁺ exchange currents. <i>Journal of Physiology</i> , 2011, 589, 2569-2583.	2.9	70
86	Medical societies unite to support research in Europe. <i>European Journal of Immunology</i> , 2011, 41, 1187-1188.	2.9	2
87	Alliance for biomedical research in Europe. <i>EMBO Molecular Medicine</i> , 2011, 3, 505-506.	6.9	1
88	Blink and You'll See It. <i>Circulation Research</i> , 2011, 108, 154-156.	4.5	1
89	Non-invasive characterization of the area-at-risk using magnetic resonance imaging in chronic ischaemia. <i>Cardiovascular Research</i> , 2011, 89, 166-174.	3.8	16
90	Nitric oxide delays atrial tachycardia-induced electrical remodelling in a sheep model. <i>Europace</i> , 2011, 13, 747-754.	1.7	10

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91	Sudden Death of a Young Adult Associated with Bacillus cereus Food Poisoning. Journal of Clinical Microbiology, 2011, 49, 4379-4381.	3.9	183
92	Sex-specific regulation of contractile function by 17 β -estradiol in mouse cardiomyocytes. FASEB Journal, 2011, 25, 1060.6.	0.5	0
93	A new Alliance: biomedical societies in Europe unite to support research. European Heart Journal, 2011, 32, 2224-4a.	2.2	0
94	Closed-chest animal model of chronic coronary artery stenosis. Assessment with magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2010, 26, 299-308.	1.5	10
95	Targeting Sarcoplasmic Reticulum Ca ²⁺ Uptake to Improve Heart Failure. Circulation Research, 2010, 106, 230-233.	4.5	15
96	Early exercise training after myocardial infarction prevents contractile but not electrical remodelling or hypertrophy. Cardiovascular Research, 2010, 86, 72-81.	3.8	22
97	Inhibition of the calcium-activated chloride current in cardiac ventricular myocytes by N-(p-aminocinnamoyl)anthranilic acid (ACA). Biochemical and Biophysical Research Communications, 2010, 402, 531-536.	2.1	13
98	Response to Letter Regarding Article, "Ventricular Phosphodiesterase-5 Expression Is Increased in Patients With Advanced Heart Failure and Contributes to Adverse Ventricular Remodeling After Myocardial Infarction in Mice". Circulation, 2009, 120, .	1.6	0
99	Identifying needs and opportunities for advancing translational research in cardiovascular disease. Cardiovascular Research, 2009, 83, 425-435.	3.8	28
100	Ventricular Phosphodiesterase-5 Expression Is Increased in Patients With Advanced Heart Failure and Contributes to Adverse Ventricular Remodeling After Myocardial Infarction in Mice. Circulation, 2009, 119, 408-416.	1.6	169
101	Ultrastructural and Functional Remodeling of the Coupling Between Ca ²⁺ Influx and Sarcoplasmic Reticulum Ca ²⁺ Release in Right Atrial Myocytes From Experimental Persistent Atrial Fibrillation. Circulation Research, 2009, 105, 876-885.	4.5	160
102	Dofetilide as Activator of Na/Ca Exchange: New Perspectives on an "Old" Drug. Cardiovascular Drugs and Therapy, 2009, 23, 189-192.	2.6	2
103	FKBP12.6 Overexpression Blunts Cardiomyocyte Remodeling After Left-ventricular Pressure-overload. Biophysical Journal, 2009, 96, 110a-111a.	0.5	0
104	Remodeling of T-Tubules and Reduced Synchrony of Ca ²⁺ Release in Myocytes From Chronically Ischemic Myocardium. Circulation Research, 2008, 102, 338-346.	4.5	208
105	Targeting calcium handling in arrhythmias. Europace, 2008, 10, 1364-1369.	1.7	35
106	Pharmacological Inhibition of Na/Ca Exchange Results in Increased Cellular Ca ²⁺ Load Attributable to the Predominance of Forward Mode Block. Circulation Research, 2008, 102, 1398-1405.	4.5	83
107	Early Exercise Training Normalizes Myofilament Function and Attenuates Left Ventricular Pump Dysfunction in Mice With a Large Myocardial Infarction. Circulation Research, 2007, 100, 1079-1088.	4.5	112
108	Crosstalk between L-type Ca ²⁺ channels and the sarcoplasmic reticulum: alterations during cardiac remodelling. Cardiovascular Research, 2007, 77, 315-324.	3.8	63

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109	Reduced Force Generating Capacity in Myocytes From Chronically Ischemic, Hibernating Myocardium. <i>Circulation Research</i> , 2007, 100, 229-237.	4.5	29
110	How Old Is Your Heart?. <i>Circulation Research</i> , 2007, 101, 323-325.	4.5	1
111	CaM or cAMP. <i>Circulation Research</i> , 2007, 100, 296-298.	4.5	18
112	Inactivation of Smad5 in Endothelial Cells and Smooth Muscle Cells Demonstrates that Smad5 Is Required for Cardiac Homeostasis. <i>American Journal of Pathology</i> , 2007, 170, 1460-1472.	3.8	38
113	Mechanisms of Postsystolic Thickening in Ischemic Myocardium: Mathematical Modelling and Comparison With Experimental Ischemic Substrates. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1963-1970.	1.5	61
114	Window Ca ²⁺ current and its modulation by Ca ²⁺ release in hypertrophied cardiac myocytes from dogs with chronic atrioventricular block. <i>Journal of Physiology</i> , 2007, 579, 147-160.	2.9	58
115	Cellular basis for triggered ventricular arrhythmias that occur in the setting of compensated hypertrophy and heart failure: considerations for diagnosis and treatment. <i>Journal of Electrocardiology</i> , 2007, 40, S8-S14.	0.9	35
116	Na/Ca Exchange and Cardiac Ventricular Arrhythmias. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 339-348.	3.8	63
117	Calcium overload, spontaneous calcium release, and ventricular arrhythmias. <i>Heart Rhythm</i> , 2006, 3, 977-979.	0.7	40
118	Increased phospholamban phosphorylation limits the force-frequency response in the <i>MLP</i> mouse with heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 350-360.	1.9	18
119	A SERCA2 pump with an increased Ca ²⁺ affinity can lead to severe cardiac hypertrophy, stress intolerance and reduced life span. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 308-317.	1.9	54
120	Temporal patterns of electrical remodeling in canine ventricular hypertrophy: Focus on I _{Ks} downregulation and blunted β^2 -adrenergic activation. <i>Cardiovascular Research</i> , 2006, 72, 90-100.	3.8	54
121	The Amiodarone Derivative KB130015 [2-Methyl-3-(3,5-diiodo-4-carboxymethoxybenzyl)benzofuran] Induces an Na ⁺ -Dependent Increase of [Ca ²⁺] in Ventricular Myocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 162-168.	2.5	7
122	Something old, something new: Changing views on the cellular mechanisms of heart failure. <i>Cardiovascular Research</i> , 2005, 68, 167-174.	3.8	28
123	Myocardial Hibernation. <i>Circulation Research</i> , 2004, 94, 1005-1007.	4.5	13
124	Sodium Calcium Exchange in the Heart. <i>Circulation Research</i> , 2004, 95, 549-551.	4.5	24
125	Cellular Mechanisms of Contractile Dysfunction in Hibernating Myocardium. <i>Circulation Research</i> , 2004, 94, 794-801.	4.5	62
126	Understanding Cardiac Alternans. <i>Circulation Research</i> , 2004, 94, 570-572.	4.5	25

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127	Reduced synchrony of Ca ²⁺ release with loss of T-tubules—a comparison to Ca ²⁺ release in human failing cardiomyocytes. <i>Cardiovascular Research</i> , 2004, 62, 63-73.	3.8	265
128	Magnesium-inhibited, TRPM6/7-like channel in cardiac myocytes: permeation of divalent cations and pH-mediated regulation. <i>Journal of Physiology</i> , 2004, 559, 761-776.	2.9	87
129	[Na ⁺] in the subsarcolemmal “fuzzy” space and modulation of [Ca ²⁺] _i and contraction in cardiac myocytes. <i>Cell Calcium</i> , 2004, 35, 603-612.	2.4	52
130	Nonexcitatory stimulation as a novel treatment for heart failure: cause for excitement?. <i>European Heart Journal</i> , 2004, 25, 626-628.	2.2	0
131	Ca ²⁺ transport ATPase isoforms SERCA2a and SERCA2b are targeted to the same sites in the murine heart. <i>Cell Calcium</i> , 2003, 34, 457-464.	2.4	39
132	Intracellular Na ⁺ and altered Na ⁺ transport mechanisms in cardiac hypertrophy and failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 5-25.	1.9	71
133	Triggering controversy in cardiac excitation–contraction coupling. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 133-135.	1.9	2
134	Ca ²⁺ Uptake by the Sarcoplasmic Reticulum in Ventricular Myocytes of the SERCA2 b/b Mouse Is Impaired at Higher Ca ²⁺ Loads Only. <i>Circulation Research</i> , 2003, 92, 881-887.	4.5	26
135	Probing the Contribution of I _{Ks} to Canine Ventricular Repolarization. <i>Circulation</i> , 2003, 107, 2753-2760.	1.6	230
136	Increased Na ⁺ concentration and altered Na/K pump activity in hypertrophied canine ventricular cells. <i>Cardiovascular Research</i> , 2003, 57, 1035-1043.	3.8	78
137	Intracellular Na in animal models of hypertrophy and heart failure: contractile function and arrhythmogenesis. <i>Cardiovascular Research</i> , 2003, 57, 887-896.	3.8	137
138	Accumulation of slowly activating delayed rectifier potassium current (I _{Ks}) in canine ventricular myocytes. <i>Journal of Physiology</i> , 2003, 551, 777-786.	2.9	93
139	Altered Na/Ca exchange activity in cardiac hypertrophy and heart failure: a new target for therapy?. <i>Cardiovascular Research</i> , 2002, 53, 782-805.	3.8	191
140	Spatial and Temporal Inhomogeneities During Ca ²⁺ Release From the Sarcoplasmic Reticulum in Pig Ventricular Myocytes. <i>Circulation Research</i> , 2002, 91, 1023-1030.	4.5	100
141	Mind the Model: Effect of Instrumentation on Inducibility of Atrial Fibrillation in a Sheep Model. <i>Journal of Cardiovascular Electrophysiology</i> , 2002, 13, 62-67.	1.7	7
142	Mechanisms Underlying the Frequency Dependence of Contraction and [Ca ²⁺] _i Transients in Mouse Ventricular Myocytes. <i>Journal of Physiology</i> , 2002, 543, 889-898.	2.9	109
143	Role of the Na/Ca Exchanger in Arrhythmias in Compensated Hypertrophy. <i>Annals of the New York Academy of Sciences</i> , 2002, 976, 438-445.	3.8	19
144	Different Patterns of Angiotensin II and Atrial Natriuretic Peptide Secretion in a Sheep Model of Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2001, 12, 1387-1392.	1.7	41

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145	Replacement of the Muscle-Specific Sarcoplasmic Reticulum Ca ²⁺ -ATPase Isoform SERCA2a by the Nonmuscle SERCA2b Homologue Causes Mild Concentric Hypertrophy and Impairs Contraction-Relaxation of the Heart. <i>Circulation Research</i> , 2001, 89, 838-846.	4.5	93
146	Enhanced Ca ²⁺ Release and Na/Ca Exchange Activity in Hypertrophied Canine Ventricular Myocytes. <i>Circulation</i> , 2000, 102, 2137-2144.	1.6	261
147	Local Ca ²⁺ Release in Heart Failure. <i>Circulation Research</i> , 2000, 87, 966-968.	4.5	6
148	Repolarizing K ⁺ Currents <i>I_{TO1}</i> and <i>I_{Ks}</i> Are Larger in Right Than Left Canine Ventricular Midmyocardium. <i>Circulation</i> , 1999, 99, 206-210.	1.6	200
149	Downregulation of Delayed Rectifier K ⁺ Currents in Dogs With Chronic Complete Atrioventricular Block and Acquired Torsades de Pointes. <i>Circulation</i> , 1999, 100, 2455-2461.	1.6	236
150	T-type Ca ²⁺ -current as a trigger for Ca ²⁺ -release from the sarcoplasmic reticulum in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 1998, 508, 439-451.	2.9	106
151	Efficiency of L-type Ca ²⁺ Current Compared to Reverse Mode Na/Ca Exchange or T-type Ca ²⁺ Current as Trigger for Ca ²⁺ Release from the Sarcoplasmic Reticulum. <i>Annals of the New York Academy of Sciences</i> , 1998, 853, 357-360.	3.8	14
152	Cellular Basis of Biventricular Hypertrophy and Arrhythmogenesis in Dogs With Chronic Complete Atrioventricular Block and Acquired Torsade de Pointes. <i>Circulation</i> , 1998, 98, 1136-1147.	1.6	171
153	Monensin-induced Reversal of Positive Force-Frequency Relationship in Cardiac Muscle: Role of Intracellular Sodium in Rest-dependent Potentiation of Contraction. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 977-989.	1.9	44
154	Low Efficiency of Ca ²⁺ Entry Through the Na ⁺ -Ca ²⁺ Exchanger as Trigger for Ca ²⁺ Release From the Sarcoplasmic Reticulum. <i>Circulation Research</i> , 1997, 81, 1034-1044.	4.5	158
155	[Ca ²⁺] _i -dependent membrane currents in guinea-pig ventricular cells in the absence of Na/Ca exchange. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 430, 871-878.	2.8	29
156	Inhibition and Rapid Recovery of Ca ²⁺ Current During Ca ²⁺ Release From Sarcoplasmic Reticulum in Guinea Pig Ventricular Myocytes. <i>Circulation Research</i> , 1995, 76, 102-109.	4.5	116
157	Temporal Changes in Beat-to-Beat Variability of Repolarization Predict Imminent Nonsustained Ventricular Tachycardia in Patients With Ischemic and Nonischemic Dilated Cardiomyopathy. <i>Journal of the American Heart Association</i> , 0, , .	3.7	5