

# Karin R Sipido

## List of Publications by Citations

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128  
papers

5,710  
citations

44  
h-index

72  
g-index

164  
ext. papers

6,432  
ext. citations

8.4  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
128	Reduced synchrony of Ca <sup>2+</sup> release with loss of T-tubules-a comparison to Ca <sup>2+</sup> release in human failing cardiomyocytes. <i>Cardiovascular Research</i> , <b>2004</b> , 62, 63-73	9.9	223
127	Enhanced Ca(2+) release and Na/Ca exchange activity in hypertrophied canine ventricular myocytes: potential link between contractile adaptation and arrhythmogenesis. <i>Circulation</i> , <b>2000</b> , 102, 2137-44	16.7	223
126	Probing the contribution of IKs to canine ventricular repolarization: key role for beta-adrenergic receptor stimulation. <i>Circulation</i> , <b>2003</b> , 107, 2753-60	16.7	206
125	Downregulation of delayed rectifier K(+) currents in dogs with chronic complete atrioventricular block and acquired torsades de pointes. <i>Circulation</i> , <b>1999</b> , 100, 2455-61	16.7	204
124	Remodeling of T-tubules and reduced synchrony of Ca <sup>2+</sup> release in myocytes from chronically ischemic myocardium. <i>Circulation Research</i> , <b>2008</b> , 102, 338-46	15.7	187
123	Repolarizing K+ currents ITO1 and IKs are larger in right than left canine ventricular midmyocardium. <i>Circulation</i> , <b>1999</b> , 99, 206-10	16.7	178
122	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 309	11.8	172
121	Altered Na/Ca exchange activity in cardiac hypertrophy and heart failure: a new target for therapy?. <i>Cardiovascular Research</i> , <b>2002</b> , 53, 782-805	9.9	154
120	Ventricular phosphodiesterase-5 expression is increased in patients with advanced heart failure and contributes to adverse ventricular remodeling after myocardial infarction in mice. <i>Circulation</i> , <b>2009</b> , 119, 408-16	16.7	146
119	Cellular basis of biventricular hypertrophy and arrhythmogenesis in dogs with chronic complete atrioventricular block and acquired torsade de pointes. <i>Circulation</i> , <b>1998</b> , 98, 1136-47	16.7	142
118	Sudden death of a young adult associated with Bacillus cereus food poisoning. <i>Journal of Clinical Microbiology</i> , <b>2011</b> , 49, 4379-81	9.7	134
117	Ultrastructural and functional remodeling of the coupling between Ca <sup>2+</sup> influx and sarcoplasmic reticulum Ca <sup>2+</sup> release in right atrial myocytes from experimental persistent atrial fibrillation. <i>Circulation Research</i> , <b>2009</b> , 105, 876-85	15.7	130
116	Low efficiency of Ca <sup>2+</sup> entry through the Na(+)-Ca <sup>2+</sup> exchanger as trigger for Ca <sup>2+</sup> release from the sarcoplasmic reticulum. A comparison between L-type Ca <sup>2+</sup> current and reverse-mode Na(+)-Ca <sup>2+</sup> exchange. <i>Circulation Research</i> , <b>1997</b> , 81, 1034-44	15.7	130
115	Na+/Ca <sup>2+</sup> exchange and Na+/K+-ATPase in the heart. <i>Journal of Physiology</i> , <b>2015</b> , 593, 1361-82	3.9	114
114	Intracellular Na in animal models of hypertrophy and heart failure: contractile function and arrhythmogenesis. <i>Cardiovascular Research</i> , <b>2003</b> , 57, 887-96	9.9	113
113	Connexin mimetic peptides inhibit Cx43 hemichannel opening triggered by voltage and intracellular Ca <sup>2+</sup> elevation. <i>Basic Research in Cardiology</i> , <b>2012</b> , 107, 304	11.8	111
112	Early exercise training normalizes myofilament function and attenuates left ventricular pump dysfunction in mice with a large myocardial infarction. <i>Circulation Research</i> , <b>2007</b> , 100, 1079-88	15.7	99

111	Inhibition and rapid recovery of Ca <sup>2+</sup> current during Ca <sup>2+</sup> release from sarcoplasmic reticulum in guinea pig ventricular myocytes. <i>Circulation Research</i> , <b>1995</b> , 76, 102-9	15.7	99
110	Mechanisms underlying the frequency dependence of contraction and [Ca <sup>2+</sup> ] <sub>i</sub> transients in mouse ventricular myocytes. <i>Journal of Physiology</i> , <b>2002</b> , 543, 889-98	3.9	95
109	Spatial and temporal inhomogeneities during Ca <sup>2+</sup> release from the sarcoplasmic reticulum in pig ventricular myocytes. <i>Circulation Research</i> , <b>2002</b> , 91, 1023-30	15.7	91
108	Replacement of the muscle-specific sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase isoform SERCA2a by the nonmuscle SERCA2b homologue causes mild concentric hypertrophy and impairs contraction-relaxation of the heart. <i>Circulation Research</i> , <b>2001</b> , 89, 838-46	15.7	88
107	T-type Ca <sup>2+</sup> current as a trigger for Ca <sup>2+</sup> release from the sarcoplasmic reticulum in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , <b>1998</b> , 508 ( Pt 2), 439-51	3.9	87
106	Accumulation of slowly activating delayed rectifier potassium current (I <sub>Ks</sub> ) in canine ventricular myocytes. <i>Journal of Physiology</i> , <b>2003</b> , 551, 777-86	3.9	82
105	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> , <b>2012</b> , 59, 410-7	15.1	72
104	Pharmacological inhibition of Na <sup>+</sup> /Ca <sup>2+</sup> exchange results in increased cellular Ca <sup>2+</sup> load attributable to the predominance of forward mode block. <i>Circulation Research</i> , <b>2008</b> , 102, 1398-405	15.7	71
103	Magnesium-inhibited, TRPM6/7-like channel in cardiac myocytes: permeation of divalent cations and pH-mediated regulation. <i>Journal of Physiology</i> , <b>2004</b> , 559, 761-76	3.9	71
102	The continuum of personalized cardiovascular medicine: a position paper of the European Society of Cardiology. <i>European Heart Journal</i> , <b>2014</b> , 35, 3250-7	9.5	66
101	Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. <i>British Journal of Pharmacology</i> , <b>2011</b> , 163, 469-83	8.6	66
100	Increased Na <sup>+</sup> concentration and altered Na <sup>+</sup> /K pump activity in hypertrophied canine ventricular cells. <i>Cardiovascular Research</i> , <b>2003</b> , 57, 1035-43	9.9	62
99	Myofibroblast Phenotype and Reversibility of Fibrosis in Patients With End-Stage Heart Failure. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2267-2282	15.1	61
98	Reversible and irreversible differentiation of cardiac fibroblasts. <i>Cardiovascular Research</i> , <b>2014</b> , 101, 411-22	9.9	60
97	Intracellular Na <sup>+</sup> and altered Na <sup>+</sup> transport mechanisms in cardiac hypertrophy and failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2003</b> , 35, 5-25	5.8	59
96	Ryanodine receptor cluster fragmentation and redistribution in persistent atrial fibrillation enhance calcium release. <i>Cardiovascular Research</i> , <b>2015</b> , 108, 387-98	9.9	58
95	Cellular mechanisms of contractile dysfunction in hibernating myocardium. <i>Circulation Research</i> , <b>2004</b> , 94, 794-801	15.7	58
94	Mechanisms of postsystolic thickening in ischemic myocardium: mathematical modelling and comparison with experimental ischemic substrates. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1963-70	3.5	55

93	Crosstalk between L-type Ca <sup>2+</sup> channels and the sarcoplasmic reticulum: alterations during cardiac remodelling. <i>Cardiovascular Research</i> , <b>2008</b> , 77, 315-24	9.9	55
92	Microdomain [Ca <sup>2+</sup> ] near ryanodine receptors as reported by L-type Ca <sup>2+</sup> and Na <sup>+</sup> /Ca <sup>2+</sup> exchange currents. <i>Journal of Physiology</i> , <b>2011</b> , 589, 2569-83	3.9	54
91	Na/Ca exchange and cardiac ventricular arrhythmias. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1099, 339-48	6.5	53
90	Dyssynchrony of Ca <sup>2+</sup> release from the sarcoplasmic reticulum as subcellular mechanism of cardiac contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 390-400	5.8	52
89	A SERCA2 pump with an increased Ca <sup>2+</sup> affinity can lead to severe cardiac hypertrophy, stress intolerance and reduced life span. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 41, 308-17	5.8	50
88	Window Ca <sup>2+</sup> current and its modulation by Ca <sup>2+</sup> release in hypertrophied cardiac myocytes from dogs with chronic atrioventricular block. <i>Journal of Physiology</i> , <b>2007</b> , 579, 147-60	3.9	49
87	Temporal patterns of electrical remodeling in canine ventricular hypertrophy: focus on IKs downregulation and blunted beta-adrenergic activation. <i>Cardiovascular Research</i> , <b>2006</b> , 72, 90-100	9.9	46
86	[Na <sup>+</sup> ] in the subsarcolemmal fuzzy space and modulation of [Ca <sup>2+</sup> ] <sub>i</sub> and contraction in cardiac myocytes. <i>Cell Calcium</i> , <b>2004</b> , 35, 603-12	4	46
85	Intracellular dyssynchrony of diastolic cytosolic [Ca <sup>2+</sup> ] decay in ventricular cardiomyocytes in cardiac remodeling and human heart failure. <i>Circulation Research</i> , <b>2013</b> , 113, 527-38	15.7	44
84	Subcellular heterogeneity of ryanodine receptor properties in ventricular myocytes with low T-tubule density. <i>PLoS ONE</i> , <b>2011</b> , 6, e25100	3.7	43
83	Alternative strategies in arrhythmia therapy: evaluation of Na/Ca exchange as an anti-arrhythmic target. <i>Pharmacology &amp; Therapeutics</i> , <b>2012</b> , 134, 26-42	13.9	41
82	Different patterns of angiotensin II and atrial natriuretic peptide secretion in a sheep model of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2001</b> , 12, 1387-92	2.7	40
81	Combined Na <sup>+</sup> /Ca <sup>2+</sup> exchanger and L-type calcium channel block as a potential strategy to suppress arrhythmias and maintain ventricular function. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2013</b> , 6, 371-9	6.4	39
80	Ca <sup>2+</sup> transport ATPase isoforms SERCA2a and SERCA2b are targeted to the same sites in the murine heart. <i>Cell Calcium</i> , <b>2003</b> , 34, 457-64	4	37
79	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> , <b>2011</b> , 50, 1017-25	5.8	36
78	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> , <b>1997</b> , 29, 977-89	5.8	36
77	Inactivation of Smad5 in endothelial cells and smooth muscle cells demonstrates that Smad5 is required for cardiac homeostasis. <i>American Journal of Pathology</i> , <b>2007</b> , 170, 1460-72	5.8	36
76	Calcium overload, spontaneous calcium release, and ventricular arrhythmias. <i>Heart Rhythm</i> , <b>2006</b> , 3, 977-87	6.7	36

75	Global fibroblast activation throughout the left ventricle but localized fibrosis after myocardial infarction. <i>Scientific Reports</i> , <b>2017</b> , 7, 10801	4.9	34
74	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> , <b>2007</b> , 40, S8-14	1.4	34
73	Role of nitric oxide and oxidative stress in a sheep model of persistent atrial fibrillation. <i>Europace</i> , <b>2013</b> , 15, 754-60	3.9	33
72	Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. <i>Cardiovascular Research</i> , <b>2014</b> , 101, 97-107	9.9	33
71	Selective modulation of coupled ryanodine receptors during microdomain activation of calcium/calmodulin-dependent kinase II in the dyadic cleft. <i>Circulation Research</i> , <b>2013</b> , 113, 1242-52	15.7	30
70	Targeting calcium handling in arrhythmias. <i>Europace</i> , <b>2008</b> , 10, 1364-9	3.9	28
69	Reduced force generating capacity in myocytes from chronically ischemic, hibernating myocardium. <i>Circulation Research</i> , <b>2007</b> , 100, 229-37	15.7	26
68	Calcium Signaling in Cardiomyocyte Function. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2020</b> , 12,	10.2	26
67	Myofibroblast modulation of cardiac myocyte structure and function. <i>Scientific Reports</i> , <b>2019</b> , 9, 8879	4.9	24
66	Hyperactive ryanodine receptors in human heart failure and ischaemic cardiomyopathy reside outside of couplons. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1512-1524	9.9	24
65	Ca <sup>2+</sup> uptake by the sarcoplasmic reticulum in ventricular myocytes of the SERCA2b/b mouse is impaired at higher Ca <sup>2+</sup> loads only. <i>Circulation Research</i> , <b>2003</b> , 92, 881-7	15.7	24
64	Mapping cross-border collaboration and communication in cardiovascular research from 1992 to 2012. <i>European Heart Journal</i> , <b>2017</b> , 38, 1249-1258	9.5	24
63	Hot topics and trends in cardiovascular research. <i>European Heart Journal</i> , <b>2019</b> , 40, 2363-2374	9.5	23
62	Histological correlate of a cardiac magnetic resonance imaged microvascular obstruction in a porcine model of ischemia-reperfusion. <i>Cardiovascular Pathology</i> , <b>2012</b> , 21, 129-31	3.8	23
61	[Ca <sup>2+</sup> ] <sub>i</sub> -dependent membrane currents in guinea-pig ventricular cells in the absence of Na/Ca exchange. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1995</b> , 430, 871-8	4.6	23
60	Understanding cardiac alternans: the answer lies in the Ca <sup>2+</sup> store. <i>Circulation Research</i> , <b>2004</b> , 94, 570-2	15.7	21
59	Calcium/calmodulin-dependent kinase II and nitric oxide synthase 1-dependent modulation of ryanodine receptors during $\beta$ -adrenergic stimulation is restricted to the dyadic cleft. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5923-5939	3.9	21
58	Early exercise training after myocardial infarction prevents contractile but not electrical remodelling or hypertrophy. <i>Cardiovascular Research</i> , <b>2010</b> , 86, 72-81	9.9	19

57	CaM or cAMP: linking beta-adrenergic stimulation to <del>Reaky</del> <del>RRy</del> Rs. <i>Circulation Research</i> , <b>2007</b> , 100, 296-8	15.7	18
56	Increased phospholamban phosphorylation limits the force-frequency response in the MLP-/- mouse with heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 40, 350-60	5.8	17
55	Role of the Na/Ca exchanger in arrhythmias in compensated hypertrophy. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 976, 438-45	6.5	17
54	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> , <b>2016</b> , 311, H1075-H1090	5.2	16
53	Calcium release near L-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> , <b>2015</b> , 89, 326-34	5.8	16
52	Improving public health by improving clinical trial guidelines and their application. <i>European Heart Journal</i> , <b>2017</b> , 38, 1632-1637	9.5	15
51	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> , <b>2018</b> , 117, 1-18	5.8	14
50	Targeting sarcoplasmic reticulum Ca <sup>2+</sup> uptake to improve heart failure: hit or miss. <i>Circulation Research</i> , <b>2010</b> , 106, 230-3	15.7	14
49	Efficiency of L-type Ca <sup>2+</sup> current compared to reverse mode Na/Ca exchange or T-type Ca <sup>2+</sup> current as trigger for Ca <sup>2+</sup> release from the sarcoplasmic reticulum. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 853, 357-60	6.5	14
48	Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	13
47	Extracellular SPARC increases cardiomyocyte contraction during health and disease. <i>PLoS ONE</i> , <b>2019</b> , 14, e0209534	3.7	12
46	Non-invasive characterization of the area-at-risk using magnetic resonance imaging in chronic ischaemia. <i>Cardiovascular Research</i> , <b>2011</b> , 89, 166-74	9.9	12
45	Low-flow support of the chronic pressure-overloaded right ventricle induces reversed remodeling. <i>Journal of Heart and Lung Transplantation</i> , <b>2018</b> , 37, 151-160	5.8	11
44	Myocardial hibernation: a double-edged sword. <i>Circulation Research</i> , <b>2004</b> , 94, 1005-7	15.7	11
43	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> , <b>2017</b> , 113, 1403-1417	9.9	10
42	Inhibition of the calcium-activated chloride current in cardiac ventricular myocytes by N-(p-aminocinnamoyl)anthranilic acid (ACA). <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 402, 531-6	3.4	10
41	Closed-chest animal model of chronic coronary artery stenosis. Assessment with magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>2010</b> , 26, 299-308	2.5	10
40	Basic methods for monitoring intracellular Ca <sup>2+</sup> in cardiac myocytes using Fluo-3. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 392-7	1.2	9

39	Data-based theoretical identification of subcellular calcium compartments and estimation of calcium dynamics in cardiac myocytes. <i>Journal of Physiology</i> , <b>2012</b> , 590, 4423-46	3.9	9
38	Overcoming fragmentation of health research in Europe: lessons from COVID-19. <i>Lancet, The</i> , <b>2020</b> , 395, 1970-1971	4.0	8
37	Microvolt T-wave alternans and beat-to-beat variability of repolarization during early postischemic remodeling in a pig heart. <i>Heart Rhythm</i> , <b>2011</b> , 8, 1050-7	6.7	8
36	Activin A Modulates CRIPTO-1/HNF4 Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. <i>Stem Cells International</i> , <b>2017</b> , 2017, 4651238	5	7
35	The amiodarone derivative KB130015 [2-methyl-3-(3,5-diiodo-4-carboxymethoxybenzyl)benzofuran] induces an Na <sup>+</sup> -dependent increase of [Ca <sup>2+</sup> ] in ventricular myocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 316, 162-8	4.7	7
34	Mind the model: effect of instrumentation on inducibility of atrial fibrillation in a sheep model. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2002</b> , 13, 62-7	2.7	7
33	Myocyte Remodeling Due to Fibro-Fatty Infiltrations Influences Arrhythmogenicity. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1381	4.6	7
32	Further insights into blood pressure induced premature beats: Transient depolarizations are associated with fast myocardial deformation upon pressure decline. <i>Heart Rhythm</i> , <b>2015</b> , 12, 2305-15	6.7	6
31	A Changing Landscape in Cardiovascular Research Publication Output: Bridging the Translational Gap. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 1584-1589	15.1	6
30	Can body surface microvolt T-wave alternans distinguish concordant and discordant intracardiac alternans?. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2013</b> , 36, 1007-16	1.6	6
29	Nitric oxide delays atrial tachycardia-induced electrical remodelling in a sheep model. <i>Europace</i> , <b>2011</b> , 13, 747-54	3.9	6
28	Scientific Panel for Health: better research for better health. <i>Lancet, The</i> , <b>2016</b> , 388, 865-6	4.0	4
27	The Cardiovascular Research community calls for action to address the growing burden of cardiovascular disease. <i>Cardiovascular Research</i> , <b>2019</b> , 115, e96-e98	9.9	4
26	FKBP12.6 overexpression does not protect against remodelling after myocardial infarction. <i>Experimental Physiology</i> , <b>2013</b> , 98, 134-48	2.4	4
25	Measuring sarcoplasmic reticulum Ca <sup>2+</sup> content, fractional release, and Ca <sup>2+</sup> buffering in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 403-7	1.2	4
24	Altered adrenergic response in myocytes bordering a chronic myocardial infarction underlies in vivo triggered activity and repolarization instability. <i>Journal of Physiology</i> , <b>2020</b> , 598, 2875-2895	3.9	4
23	CardioScope mapping the cardiovascular funding landscape in Europe. <i>European Heart Journal</i> , <b>2018</b> , 39, 2423-2430	9.5	4
22	Health research and knowledge translation for achieving the sustainable development goals: tackling the hurdles. <i>European Journal of Public Health</i> , <b>2020</b> , 30, i36-i40	2.1	3

21	Characterizing the trigger for sarcoplasmic reticulum Ca <sup>2+</sup> release in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 398-402	1.2	3
20	Assessing Ca <sup>2+</sup> -removal pathways in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 498-503	1.2	3
19	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> , <b>2022</b> ,	9.9	3
18	RNA-sequencing reveals that STRN, ZNF484 and WNK1 add to the value of mitochondrial MT-CO1 and COX10 as markers of unstable coronary artery disease. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225621	3.7	3
17	Triggering controversy in cardiac excitation-contraction coupling. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2003</b> , 35, 133-5	5.8	2
16	Human iPSC model reveals a central role for NOX4 and oxidative stress in Duchenne cardiomyopathy.. <i>Stem Cell Reports</i> , <b>2022</b> ,	8	2
15	Ca <sup>2+</sup> release via InsP3Rs enhances RyR recruitment during Ca <sup>2+</sup> transients by increasing dyadic [Ca <sup>2+</sup> ] in cardiomyocytes. <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	2
14	Irreproducible results in preclinical cardiovascular research: opportunities in times of need. <i>Cardiovascular Research</i> , <b>2019</b> , 115, e34-e36	9.9	2
13	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> , <b>2021</b> , 18, 1976-1987	6.7	2
12	A systematic approach for assessing Ca <sup>2+</sup> handling in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 431-3	1.2	1
11	Measuring Ca <sup>2+</sup> sparks in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , <b>2015</b> , 2015, 490-7	1.2	1
10	Cardiovascular Research turns the spotlight onto the right ventricle. <i>Cardiovascular Research</i> , <b>2017</b> , 113, e45-e46	9.9	1
9	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> , <b>2021</b> , 9, 737840	5.7	1
8	Editorial highlights from Cardiovascular Research. <i>Cardiovascular Research</i> , <b>2017</b> , 113, e64-e68	9.9	0
7	Blink and you'll see it: how to detect Ca <sup>2+</sup> quarks. <i>Circulation Research</i> , <b>2011</b> , 108, 154-6	15.7	0
6	Letter by Sipido and Glözel Regarding Article, "Poorly Cited Articles in Peer-Reviewed Cardiovascular Journals from 1997 to 2007: Analysis of 5-Year Citation Rates". <i>Circulation</i> , <b>2016</b> , 133, e22	16.7	
5	Alliance for biomedical research in Europe. <i>EMBO Molecular Medicine</i> , <b>2011</b> , 3, 505-6	12	
4	Targeting Na <sup>+</sup> /Ca <sup>2+</sup> Exchange as an Antiarrhythmic Strategy <b>2009</b> , 313-338		



- 3 Nonexcitatory stimulation as a novel treatment for heart failure: cause for excitement?. *European Heart Journal*, **2004**, 25, 626-8 9.5
- 2 Sex-specific regulation of contractile function by 17 $\beta$ -estradiol in mouse cardiomyocytes. *FASEB Journal*, **2011**, 25, 1060.6 0.9
- 1 Edward Carmeliet: his contributions and scientific legacy. *Journal of Physiology*, **2021**, 599, 4727-4729 3.9