

Karin R Sipido

List of Publications by Year in Descending Order

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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.

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 | Human iPSC model reveals a central role for NOX4 and oxidative stress in Duchenne cardiomyopathy.. <i>Stem Cell Reports</i> , 2022 , | 8 | 2 |
| 127 | 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 , | 9.9 | 3 |
| 126 | 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 | 5.7 | 1 |
| 125 | Cx43 hemichannel microdomain signaling at the intercalated disc enhances cardiac excitability. <i>Journal of Clinical Investigation</i> , 2021 , 131, | 15.9 | 13 |
| 124 | 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, | 5.3 | 2 |
| 123 | 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 | 6.7 | 2 |
| 122 | Edward Carmeliet: his contributions and scientific legacy. <i>Journal of Physiology</i> , 2021 , 599, 4727-4729 | 3.9 | |
| 121 | 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 | 2.1 | 3 |
| 120 | Overcoming fragmentation of health research in Europe: lessons from COVID-19. <i>Lancet, The</i> , 2020 , 395, 1970-1971 | 40 | 8 |
| 119 | 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 | 3.9 | 4 |
| 118 | Calcium Signaling in Cardiomyocyte Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020 , 12, | 10.2 | 26 |
| 117 | Myofibroblast modulation of cardiac myocyte structure and function. <i>Scientific Reports</i> , 2019 , 9, 8879 | 4.9 | 24 |
| 116 | Hot topics and trends in cardiovascular research. <i>European Heart Journal</i> , 2019 , 40, 2363-2374 | 9.5 | 23 |
| 115 | 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 | 15.1 | 61 |
| 114 | Extracellular SPARC increases cardiomyocyte contraction during health and disease. <i>PLoS ONE</i> , 2019 , 14, e0209534 | 3.7 | 12 |
| 113 | The Cardiovascular Research community calls for action to address the growing burden of cardiovascular disease. <i>Cardiovascular Research</i> , 2019 , 115, e96-e98 | 9.9 | 4 |
| 112 | Irreproducible results in preclinical cardiovascular research: opportunities in times of need. <i>Cardiovascular Research</i> , 2019 , 115, e34-e36 | 9.9 | 2 |

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| 111 | 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 | 3.7 | 3 |
| 110 | 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 | 5.8 | 14 |
| 109 | Hyperactive ryanodine receptors in human heart failure and ischaemic cardiomyopathy reside outside of couplons. <i>Cardiovascular Research</i> , 2018 , 114, 1512-1524 | 9.9 | 24 |
| 108 | A Changing Landscape in Cardiovascular Research Publication Output: Bridging the Translational Gap. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 1584-1589 | 15.1 | 6 |
| 107 | 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 | 5.8 | 11 |
| 106 | CardioScape mapping the cardiovascular funding landscape in Europe. <i>European Heart Journal</i> , 2018 , 39, 2423-2430 | 9.5 | 4 |
| 105 | Myocyte Remodeling Due to Fibro-Fatty Infiltrations Influences Arrhythmogenicity. <i>Frontiers in Physiology</i> , 2018 , 9, 1381 | 4.6 | 7 |
| 104 | Improving public health by improving clinical trial guidelines and their application. <i>European Heart Journal</i> , 2017 , 38, 1632-1637 | 9.5 | 15 |
| 103 | Global fibroblast activation throughout the left ventricle but localized fibrosis after myocardial infarction. <i>Scientific Reports</i> , 2017 , 7, 10801 | 4.9 | 34 |
| 102 | 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 | 9.9 | 10 |
| 101 | Cardiovascular Research turns the spotlight onto the right ventricle. <i>Cardiovascular Research</i> , 2017 , 113, e45-e46 | 9.9 | 1 |
| 100 | Editorial highlights from Cardiovascular Research. <i>Cardiovascular Research</i> , 2017 , 113, e64-e68 | 9.9 | 0 |
| 99 | Activin A Modulates CRIPTO-1/HNF4 Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. <i>Stem Cells International</i> , 2017 , 2017, 4651238 | 5 | 7 |
| 98 | Mapping cross-border collaboration and communication in cardiovascular research from 1992 to 2012. <i>European Heart Journal</i> , 2017 , 38, 1249-1258 | 9.5 | 24 |
| 97 | Scientific Panel for Health: better research for better health. <i>Lancet, The</i> , 2016 , 388, 865-6 | 4.0 | 4 |
| 96 | 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 | 5.2 | 16 |
| 95 | 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> , 2016 , 133, e22 | 16.7 | |
| 94 | 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 | 3.9 | 21 |

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| 93 | Na ⁺ /Ca ²⁺ exchange and Na ⁺ /K ⁺ -ATPase in the heart. <i>Journal of Physiology</i> , 2015 , 593, 1361-82 | 3.9 | 114 |
| 92 | A systematic approach for assessing Ca ²⁺ handling in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 431-3 | 1.2 | 1 |
| 91 | Measuring Ca ²⁺ sparks in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 490-7 | 1.2 | 1 |
| 90 | Further insights into blood pressure induced premature beats: Transient depolarizations are associated with fast myocardial deformation upon pressure decline. <i>Heart Rhythm</i> , 2015 , 12, 2305-15 | 6.7 | 6 |
| 89 | 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> , 2015 , 89, 326-34 | 5.8 | 16 |
| 88 | Basic methods for monitoring intracellular Ca ²⁺ in cardiac myocytes using Fluo-3. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 392-7 | 1.2 | 9 |
| 87 | Characterizing the trigger for sarcoplasmic reticulum Ca ²⁺ release in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 398-402 | 1.2 | 3 |
| 86 | Measuring sarcoplasmic reticulum Ca ²⁺ content, fractional release, and Ca ²⁺ buffering in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 403-7 | 1.2 | 4 |
| 85 | Assessing Ca ²⁺ -removal pathways in cardiac myocytes. <i>Cold Spring Harbor Protocols</i> , 2015 , 2015, 498-503 | 1.2 | 3 |
| 84 | Ryanodine receptor cluster fragmentation and redistribution in persistent atrial fibrillation enhance calcium release. <i>Cardiovascular Research</i> , 2015 , 108, 387-98 | 9.9 | 58 |
| 83 | Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. <i>Cardiovascular Research</i> , 2014 , 101, 97-107 | 9.9 | 33 |
| 82 | Reversible and irreversible differentiation of cardiac fibroblasts. <i>Cardiovascular Research</i> , 2014 , 101, 411-22 | 9.9 | 60 |
| 81 | The continuum of personalized cardiovascular medicine: a position paper of the European Society of Cardiology. <i>European Heart Journal</i> , 2014 , 35, 3250-7 | 9.5 | 66 |
| 80 | FKBP12.6 overexpression does not protect against remodelling after myocardial infarction. <i>Experimental Physiology</i> , 2013 , 98, 134-48 | 2.4 | 4 |
| 79 | Role of nitric oxide and oxidative stress in a sheep model of persistent atrial fibrillation. <i>Europace</i> , 2013 , 15, 754-60 | 3.9 | 33 |
| 78 | Intracellular dyssynchrony of diastolic cytosolic [Ca ²⁺] decay in ventricular cardiomyocytes in cardiac remodeling and human heart failure. <i>Circulation Research</i> , 2013 , 113, 527-38 | 15.7 | 44 |
| 77 | Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2013 , 108, 309 | 11.8 | 172 |
| 76 | Combined Na ⁽⁺⁾ /Ca ⁽²⁺⁾ exchanger and L-type calcium channel block as a potential strategy to suppress arrhythmias and maintain ventricular function. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 371-9 | 6.4 | 39 |

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| 75 | Selective modulation of coupled ryanodine receptors during microdomain activation of calcium/calmodulin-dependent kinase II in the dyadic cleft. <i>Circulation Research</i> , 2013 , 113, 1242-52 | 15.7 | 30 |
| 74 | Can body surface microvolt T-wave alternans distinguish concordant and discordant intracardiac alternans?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013 , 36, 1007-16 | 1.6 | 6 |
| 73 | Alternative strategies in arrhythmia therapy: evaluation of Na/Ca exchange as an anti-arrhythmic target. <i>Pharmacology & Therapeutics</i> , 2012 , 134, 26-42 | 13.9 | 41 |
| 72 | Data-based theoretical identification of subcellular calcium compartments and estimation of calcium dynamics in cardiac myocytes. <i>Journal of Physiology</i> , 2012 , 590, 4423-46 | 3.9 | 9 |
| 71 | Histological correlate of a cardiac magnetic resonance imaged microvascular obstruction in a porcine model of ischemia-reperfusion. <i>Cardiovascular Pathology</i> , 2012 , 21, 129-31 | 3.8 | 23 |
| 70 | 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, 410-7 | 15.1 | 72 |
| 69 | Connexin mimetic peptides inhibit Cx43 hemichannel opening triggered by voltage and intracellular Ca ²⁺ elevation. <i>Basic Research in Cardiology</i> , 2012 , 107, 304 | 11.8 | 111 |
| 68 | 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, 1050-7 | 6.7 | 8 |
| 67 | 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 | 5.8 | 52 |
| 66 | 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, 1017-25 | 5.8 | 36 |
| 65 | Subcellular heterogeneity of ryanodine receptor properties in ventricular myocytes with low T-tubule density. <i>PLoS ONE</i> , 2011 , 6, e25100 | 3.7 | 43 |
| 64 | Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. <i>British Journal of Pharmacology</i> , 2011 , 163, 469-83 | 8.6 | 66 |
| 63 | Microdomain [Ca ²⁺] near ryanodine receptors as reported by L-type Ca ²⁺ and Na ⁺ /Ca ²⁺ exchange currents. <i>Journal of Physiology</i> , 2011 , 589, 2569-83 | 3.9 | 54 |
| 62 | Alliance for biomedical research in Europe. <i>EMBO Molecular Medicine</i> , 2011 , 3, 505-6 | 12 | |
| 61 | Blink and you'll see it: how to detect Ca ²⁺ quarks. <i>Circulation Research</i> , 2011 , 108, 154-6 | 15.7 | 0 |
| 60 | Non-invasive characterization of the area-at-risk using magnetic resonance imaging in chronic ischaemia. <i>Cardiovascular Research</i> , 2011 , 89, 166-74 | 9.9 | 12 |
| 59 | Nitric oxide delays atrial tachycardia-induced electrical remodelling in a sheep model. <i>Europace</i> , 2011 , 13, 747-54 | 3.9 | 6 |
| 58 | Sudden death of a young adult associated with Bacillus cereus food poisoning. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 4379-81 | 9.7 | 134 |

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| 57 | Sex-specific regulation of contractile function by 17 β -estradiol in mouse cardiomyocytes. <i>FASEB Journal</i> , 2011 , 25, 1060-6 | 0.9 | |
| 56 | Targeting sarcoplasmic reticulum Ca ²⁺ uptake to improve heart failure: hit or miss. <i>Circulation Research</i> , 2010 , 106, 230-3 | 15.7 | 14 |
| 55 | Early exercise training after myocardial infarction prevents contractile but not electrical remodelling or hypertrophy. <i>Cardiovascular Research</i> , 2010 , 86, 72-81 | 9.9 | 19 |
| 54 | 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> , 2010 , 402, 531-6 | 3.4 | 10 |
| 53 | Closed-chest animal model of chronic coronary artery stenosis. Assessment with magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2010 , 26, 299-308 | 2.5 | 10 |
| 52 | 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> , 2009 , 119, 408-16 | 16.7 | 146 |
| 51 | 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. <i>Circulation Research</i> , 2009 , 105, 876-85 | 15.7 | 130 |
| 50 | Targeting Na ⁺ /Ca ²⁺ Exchange as an Antiarrhythmic Strategy 2009 , 313-338 | | |
| 49 | Remodeling of T-tubules and reduced synchrony of Ca ²⁺ release in myocytes from chronically ischemic myocardium. <i>Circulation Research</i> , 2008 , 102, 338-46 | 15.7 | 187 |
| 48 | Targeting calcium handling in arrhythmias. <i>Europace</i> , 2008 , 10, 1364-9 | 3.9 | 28 |
| 47 | Pharmacological inhibition of na/ca exchange results in increased cellular Ca ²⁺ load attributable to the predominance of forward mode block. <i>Circulation Research</i> , 2008 , 102, 1398-405 | 15.7 | 71 |
| 46 | Crosstalk between L-type Ca ²⁺ channels and the sarcoplasmic reticulum: alterations during cardiac remodelling. <i>Cardiovascular Research</i> , 2008 , 77, 315-24 | 9.9 | 55 |
| 45 | Mechanisms of postsystolic thickening in ischemic myocardium: mathematical modelling and comparison with experimental ischemic substrates. <i>Ultrasound in Medicine and Biology</i> , 2007 , 33, 1963-70 | 3.5 | 55 |
| 44 | 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, 147-60 | 3.9 | 49 |
| 43 | 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, S8-14 | 1.4 | 34 |
| 42 | Na/Ca exchange and cardiac ventricular arrhythmias. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1099, 339-48 | 6.5 | 53 |
| 41 | Early exercise training normalizes myofilament function and attenuates left ventricular pump dysfunction in mice with a large myocardial infarction. <i>Circulation Research</i> , 2007 , 100, 1079-88 | 15.7 | 99 |
| 40 | Reduced force generating capacity in myocytes from chronically ischemic, hibernating myocardium. <i>Circulation Research</i> , 2007 , 100, 229-37 | 15.7 | 26 |

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| 39 | CaM or cAMP: linking beta-adrenergic stimulation to Ca^{2+} release in Ca^{2+} release. <i>Circulation Research</i> , 2007 , 100, 296-8 | 15.7 | 18 |
| 38 | 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, 1460-72 | 5.8 | 36 |
| 37 | Temporal patterns of electrical remodeling in canine ventricular hypertrophy: focus on IKs downregulation and blunted beta-adrenergic activation. <i>Cardiovascular Research</i> , 2006 , 72, 90-100 | 9.9 | 46 |
| 36 | The amiodarone derivative KB130015 [2-methyl-3-(3,5-diiodo-4-carboxymethoxybenzyl)benzofuran] induces an Na^{+} -dependent increase of $[\text{Ca}^{2+}]$ in ventricular myocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 162-8 | 4.7 | 7 |
| 35 | Calcium overload, spontaneous calcium release, and ventricular arrhythmias. <i>Heart Rhythm</i> , 2006 , 3, 977-9 | 9.7 | 36 |
| 34 | Increased phospholamban phosphorylation limits the force-frequency response in the MLP-/- mouse with heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 350-60 | 5.8 | 17 |
| 33 | 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, 308-17 | 5.8 | 50 |
| 32 | Myocardial hibernation: a double-edged sword. <i>Circulation Research</i> , 2004 , 94, 1005-7 | 15.7 | 11 |
| 31 | Cellular mechanisms of contractile dysfunction in hibernating myocardium. <i>Circulation Research</i> , 2004 , 94, 794-801 | 15.7 | 58 |
| 30 | Understanding cardiac alternans: the answer lies in the Ca^{2+} store. <i>Circulation Research</i> , 2004 , 94, 570-2 | 15.7 | 21 |
| 29 | 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 | 9.9 | 223 |
| 28 | Magnesium-inhibited, TRPM6/7-like channel in cardiac myocytes: permeation of divalent cations and pH-mediated regulation. <i>Journal of Physiology</i> , 2004 , 559, 761-76 | 3.9 | 71 |
| 27 | $[\text{Na}^{+}]$ in the subsarcolemmal space and modulation of $[\text{Ca}^{2+}]$ and contraction in cardiac myocytes. <i>Cell Calcium</i> , 2004 , 35, 603-12 | 4 | 46 |
| 26 | Nonexcitatory stimulation as a novel treatment for heart failure: cause for excitement?. <i>European Heart Journal</i> , 2004 , 25, 626-8 | 9.5 | |
| 25 | Probing the contribution of IKs to canine ventricular repolarization: key role for beta-adrenergic receptor stimulation. <i>Circulation</i> , 2003 , 107, 2753-60 | 16.7 | 206 |
| 24 | Increased Na^{+} concentration and altered Na/K pump activity in hypertrophied canine ventricular cells. <i>Cardiovascular Research</i> , 2003 , 57, 1035-43 | 9.9 | 62 |
| 23 | Intracellular Na in animal models of hypertrophy and heart failure: contractile function and arrhythmogenesis. <i>Cardiovascular Research</i> , 2003 , 57, 887-96 | 9.9 | 113 |
| 22 | Ca^{2+} transport ATPase isoforms SERCA2a and SERCA2b are targeted to the same sites in the murine heart. <i>Cell Calcium</i> , 2003 , 34, 457-64 | 4 | 37 |

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| 21 | Intracellular Na ⁺ and altered Na ⁺ transport mechanisms in cardiac hypertrophy and failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 5-25 | 5.8 | 59 |
| 20 | Triggering controversy in cardiac excitation-contraction coupling. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 133-5 | 5.8 | 2 |
| 19 | Ca ²⁺ uptake by the sarcoplasmic reticulum in ventricular myocytes of the SERCA2b/b mouse is impaired at higher Ca ²⁺ loads only. <i>Circulation Research</i> , 2003 , 92, 881-7 | 15.7 | 24 |
| 18 | Accumulation of slowly activating delayed rectifier potassium current (I _{Ks}) in canine ventricular myocytes. <i>Journal of Physiology</i> , 2003 , 551, 777-86 | 3.9 | 82 |
| 17 | Role of the Na/Ca exchanger in arrhythmias in compensated hypertrophy. <i>Annals of the New York Academy of Sciences</i> , 2002 , 976, 438-45 | 6.5 | 17 |
| 16 | Mind the model: effect of instrumentation on inducibility of atrial fibrillation in a sheep model. <i>Journal of Cardiovascular Electrophysiology</i> , 2002 , 13, 62-7 | 2.7 | 7 |
| 15 | Mechanisms underlying the frequency dependence of contraction and [Ca ²⁺] _i transients in mouse ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 543, 889-98 | 3.9 | 95 |
| 14 | Altered Na/Ca exchange activity in cardiac hypertrophy and heart failure: a new target for therapy?. <i>Cardiovascular Research</i> , 2002 , 53, 782-805 | 9.9 | 154 |
| 13 | Spatial and temporal inhomogeneities during Ca ²⁺ release from the sarcoplasmic reticulum in pig ventricular myocytes. <i>Circulation Research</i> , 2002 , 91, 1023-30 | 15.7 | 91 |
| 12 | 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, 1387-92 | 2.7 | 40 |
| 11 | 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, 838-46 | 15.7 | 88 |
| 10 | Enhanced Ca ²⁺ release and Na/Ca exchange activity in hypertrophied canine ventricular myocytes: potential link between contractile adaptation and arrhythmogenesis. <i>Circulation</i> , 2000 , 102, 2137-44 | 16.7 | 223 |
| 9 | Repolarizing K ⁺ currents I _{TO1} and I _{Ks} are larger in right than left canine ventricular midmyocardium. <i>Circulation</i> , 1999 , 99, 206-10 | 16.7 | 178 |
| 8 | Downregulation of delayed rectifier K ⁽⁺⁾ currents in dogs with chronic complete atrioventricular block and acquired torsades de pointes. <i>Circulation</i> , 1999 , 100, 2455-61 | 16.7 | 204 |
| 7 | 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 (Pt 2), 439-51 | 3.9 | 87 |
| 6 | 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, 357-60 | 6.5 | 14 |
| 5 | Cellular basis of biventricular hypertrophy and arrhythmogenesis in dogs with chronic complete atrioventricular block and acquired torsade de pointes. <i>Circulation</i> , 1998 , 98, 1136-47 | 16.7 | 142 |
| 4 | 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, 977-89 | 5.8 | 36 |

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| 3 | Low efficiency of Ca ²⁺ entry through the Na(+)-Ca ²⁺ exchanger as trigger for Ca ²⁺ release from the sarcoplasmic reticulum. A comparison between L-type Ca ²⁺ current and reverse-mode Na(+)-Ca ²⁺ exchange. <i>Circulation Research</i> , 1997 , 81, 1034-44 | 15.7 | 130 |
| 2 | [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, 871-8 | 4.6 | 23 |
| 1 | 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, 102-9 | 15.7 | 99 |