Arie O Verkerk

List of Publications by Year
in descending order

184	9,067	38660 50	48187 88
papers	citations	h-index	g-index

192	192	192	8572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maturation of hiPSC-derived cardiomyocytes promotes adult alternative splicing of SCN5A and reveals changes in sodium current associated with cardiac arrhythmia. Cardiovascular Research, 2023, 119, 167-182.	1.8	13
2	Chronically elevated branched chain amino acid levels are pro-arrhythmic. Cardiovascular Research, 2022, 118, 1742-1757.	1.8	24
3	Conditional immortalization of human atrial myocytes for the generation of in vitro models of atrial fibrillation. Nature Biomedical Engineering, 2022, 6, 389-402.	11.6	16
4	Acetylcholine Reduces IKr and Prolongs Action Potentials in Human Ventricular Cardiomyocytes. Biomedicines, 2022, 10, 244.	1.4	3
5	Patient-Specific TBX5-G125R Variant Induces Profound Transcriptional Deregulation and Atrial Dysfunction. Circulation, 2022, 145, 606-619.	1.6	15
6	Genome-wide association analyses identify new Brugada syndrome risk loci and highlight a new mechanism of sodium channel regulation in disease susceptibility. Nature Genetics, 2022, 54, 232-239.	9.4	55
7	shRNAs Targeting a Common KCNQ1 Variant Could Alleviate Long-QT1 Disease Severity by Inhibiting a Mutant Allele. International Journal of Molecular Sciences, 2022, 23, 4053.	1.8	0
8	BS-514-01 SCN10ASHORT AS A NOVEL GENE THERAPY TARGET TO TREAT CONDUCTION DEFECTS. Heart Rhythm, 2022, 19, S30-S31.	0.3	1
9	Carbamazepine Increases the Risk of Sudden Cardiac Arrest by a Reduction of the Cardiac Sodium Current. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	8
10	The zebrafishgrimemutant uncovers an evolutionarily conserved role for Tmem161b in the control of cardiac rhythm. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
11	Dynamic Clamp in Electrophysiological Studies on Stem Cellâ€“Derived Cardiomyocytesâ€”Why and How?. Journal of Cardiovascular Pharmacology, 2021, 77, 267-279.	0.8	10
12	Sulfonylurea antidiabetics are associated with lower risk of outâ€ofâ€hospital cardiac arrest: Realâ€world data from a populationâ€based study. British Journal of Clinical Pharmacology, 2021, 87, 3588-3598.	1.1	10
13	Patch-Clamp Recordings of Action Potentials From Human Atrial Myocytes: Optimization Through Dynamic Clamp. Frontiers in Pharmacology, 2021, 12, 649414.	1.6	16
14	Low human dystrophin levels prevent cardiac electrophysiological and structural remodelling in a Duchenne mouse model. Scientific Reports, 2021, 11, 9779.	1.6	6
15	HCN4 current during human sinoatrial node-like action potentials. Progress in Biophysics and Molecular Biology, 2021, 166, 105-118.	1.4	11
16	A Variant Noncoding Region Regulates Prrx1 and Predisposes to Atrial Arrhythmias. Circulation Research, 2021, 129, 420-434.	2.0	11
17	Targeting the Microtubule EB1-CLASP2 Complex Modulates Na _V 1.5 at Intercalated Discs. Circulation Research, 2021, 129, 349-365.	2.0	23
18	Variant Intronic Enhancer Controls SCN10A-short Expression and Heart Conduction. Circulation, 2021, 144, 229-242.	1.6	20

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19	A variant noncoding region regulates Prrx1 and predisposes to atrial arrhythmias. European Heart Journal, 2021, 42, .	1.0	0
20	Functional Role of the HCN4 Encoded â€˜Funny Currentâ€™ in Human Sinus Node Pacemaker Cells. , 2021, , .		0
21	Istaroxime treatment ameliorates calcium dysregulation in a zebrafish model of phospholamban R14del cardiomyopathy. Nature Communications, 2021, 12, 7151.	5.8	18
22	The Linkage Phase of the Polymorphism KCNH2-K897T Influences the Electrophysiological Phenotype in hiPSC Models of LQT2. Frontiers in Physiology, 2021, 12, 755642.	1.3	6
23	Differential effects on out-of-hospital cardiac arrest of dihydropyridines: real-world data from population-based cohorts across two European countries. European Heart Journal - Cardiovascular Pharmacotherapy, 2020, 6, 347-355.	1.4	21
24	Genome-Wide Analysis Identifies an Essential Human TBX3 Pacemaker Enhancer. Circulation Research, 2020, 127, 1522-1535.	2.0	22
25	Isogenic Sets of hiPSC-CMs Harboring Distinct KCNH2 Mutations Differ Functionally and in Susceptibility to Drug-Induced Arrhythmias. Stem Cell Reports, 2020, 15, 1127-1139.	2.3	23
26	Ultrarapid Delayed Rectifier K+ Channelopathies in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2020, 8, 536.	1.8	12
27	The sodium channel Na V 1.5 impacts on early murine embryonic cardiac development, structure and function in a nonâ€electrogenic manner. Acta Physiologica, 2020, 230, e13493.	1.8	8
28	Cryopreservation of human pluripotent stem cell-derived cardiomyocytes is not detrimental to their molecular and functional properties. Stem Cell Research, 2020, 43, 101698.	0.3	30
29	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Can Be Improved by Lowering Accumulation of Fatty Acid Oxidation Intermediates. International Journal of Molecular Sciences, 2020, 21, 2589.	1.8	24
30	Validation of quantitative measure of repolarization reserve as a novel marker of drug induced proarrhythmia. Journal of Molecular and Cellular Cardiology, 2020, 145, 122-132.	0.9	10
31	Toward Biological Pacing by Cellular Delivery of Hcn2/SkM1. Frontiers in Physiology, 2020, 11, 588679.	1.3	5
32	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Do not Improve with Carnitine Supplementation. Frontiers in Pharmacology, 2020, 11, 616834.	1.6	5
33	Self-restoration of cardiac excitation rhythm by anti-arrhythmic ion channel gating. ELife, 2020, 9, .	2.8	12
34	â€˜Matureâ€™ resting membrane potentials in human-induced pluripotent stem cell-derived cardiomyocytes: fact or artefact?. Europace, 2019, 21, 1928-1928.	0.7	4
35	Acetylcholine Delays Atrial Activation to Facilitate Atrial Fibrillation. Frontiers in Physiology, 2019, 10, 1105.	1.3	19
36	Down the rabbit hole: deciphering the short QT syndrome. European Heart Journal, 2019, 40, 854-856.	1.0	1

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37	Cardiomyocyte Progenitor Cells as a Functional Gene Delivery Vehicle for Long-Term Biological Pacing. Molecules, 2019, 24, 181.	1.7	7
38	Genetic variation in GNB5 causes bradycardia by increasing IK,ACh augmenting cholinergic response. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	19
39	Aquaporin Channels in the Heartâ€"Physiology and Pathophysiology. International Journal of Molecular Sciences, 2019, 20, 2039.	1.8	26
40	Transcriptome analysis of mouse and human sinoatrial node cells reveals a conserved genetic program. Development (Cambridge), 2019, 146, .	1.2	54
41	Absence of Functional Nav1.8 Channels in Non-diseased Atrial and Ventricular Cardiomyocytes. Cardiovascular Drugs and Therapy, 2019, 33, 649-660.	1.3	23
42	RBM20 Mutations Induce an Arrhythmogenic Dilated Cardiomyopathy Related to Disturbed Calcium Handling. Circulation, 2018, 138, 1330-1342.	1.6	152
43	Pharmacodynamics and Pharmacokinetics of Lidocaine in a Rodent Model of Diabetic Neuropathy. Anesthesiology, 2018, 128, 609-619.	1.3	14
44	P470Microtubule plus-end tracking protein complex: a novel pharmacological target for modulating Nav1.5 trafficking and function. Cardiovascular Research, 2018, 114, S113-S113.	1.8	0
45	Disease Modifiers of Inherited SCN5A Channelopathy. Frontiers in Cardiovascular Medicine, 2018, 5, 137.	1.1	28
46	Neurokinin-3 receptor activation selectively prolongs atrial refractoriness by inhibition of a background K+ channel. Nature Communications, 2018, 9, 4357.	5.8	9
47	Long QT Syndrome and Sinus Bradycardiaâ€"A Mini Review. Frontiers in Cardiovascular Medicine, 2018, 5, 106.	1.1	29
48	Enhanced late sodium current underlies pro-arrhythmic intracellular sodium and calcium dysregulation in murine sodium channelopathy. International Journal of Cardiology, 2018, 263, 54-62.	0.8	16
49	Revised roles of ISL1 in a hES cell-based model of human heart chamber specification. ELife, 2018, 7, .	2.8	38
50	KV4.3 Expression Modulates NaV1.5 Sodium Current. Frontiers in Physiology, 2018, 9, 178.	1.3	30
51	Identification of an INa-dependent and Ito-mediated proarrhythmic mechanism in cardiomyocytes derived from pluripotent stem cells of a Brugada syndrome patient. Scientific Reports, 2018, 8, 11246.	1.6	31
52	Embryonic Tbx3+ cardiomyocytes form the mature cardiac conduction system by progressive fate restriction. Development (Cambridge), 2018, 145, .	1.2	27
53	Gain-of-function mutation in SCN5A causes ventricular arrhythmias and early onset atrial fibrillation. International Journal of Cardiology, 2017, 236, 187-193.	0.8	30
54	Pacing Discovery. Circulation Research, 2017, 120, 1524-1526.	2.0	0

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55	Anti-arrhythmic potential of the late sodium current inhibitor GS-458967 in murine Scn5a-1798insD+/â^' and human SCN5A-1795insD+/â^' iPSC-derived cardiomyocytes. Cardiovascular Research, 2017, 113, 829-838.	1.8	41
56	The Brugada Syndrome Susceptibility Gene HEY2 Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneity. Circulation Research, 2017, 121, 537-548.	2.0	63
57	Response by Veerman et al to Letter Regarding Article, â€œThe Brugada Syndrome Susceptibility Gene HEY2 Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneityâ€. Circulation Research, 2017, 121, e21.	2.0	0
58	Human iPSC-Derived Cardiomyocytes for Investigation of Disease Mechanisms and Therapeutic Strategies in Inherited Arrhythmia Syndromes: Strengths and Limitations. Cardiovascular Drugs and Therapy, 2017, 31, 325-344.	1.3	62
59	A COUP-TFII Human Embryonic Stem Cell Reporter Line to Identify and Select Atrial Cardiomyocytes. Stem Cell Reports, 2017, 9, 1765-1779.	2.3	44
60	Cardiac Subtype-Specific Modeling of Kv1.5 Ion Channel Deficiency Using Human Pluripotent Stem Cells. Frontiers in Physiology, 2017, 8, 469.	1.3	38
61	Patch-Clamp Recording from Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Improving Action Potential Characteristics through Dynamic Clamp. International Journal of Molecular Sciences, 2017, 18, 1873.	1.8	55
62	Bradycardic Effects of Mutations in the HCN4 Gene at Different Levels of Autonomic Tone in Humans. , 2017, , .		0
63	Switch From Fetal to Adult SCN5A Isoform in Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes Unmasks the Cellular Phenotype of a Conduction Diseaseâ€“Causing Mutation. Journal of the American Heart Association, 2017, 6, .	1.6	54
64	Sphingosineâ€1â€Phosphate Receptor 1 Regulates Cardiac Function by Modulating Ca ²⁺ Sensitivity and Na ⁺ /H ⁺ Exchange and Mediates Protection by Ischemic Preconditioning. Journal of the American Heart Association, 2016, 5, .	1.6	51
65	<scp>TECRL</scp>, a new lifeâ€threatening inherited arrhythmia gene associated with overlapping clinical features of both <scp>LQTS</scp> and <scp>CPVT</scp>. EMBO Molecular Medicine, 2016, 8, 1390-1408.	3.3	98
66	hiPSC-derived cardiomyocytes from Brugada Syndrome patients without identified mutations do not exhibit clear cellular electrophysiological abnormalities. Scientific Reports, 2016, 6, 30967.	1.6	64
67	Readthrough-Promoting Drugs Gentamicin and PTC124 Fail to Rescue Na _v 1.5 Function of Human-Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes Carrying Nonsense Mutations in the Sodium Channel Gene SCN5A. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	28
68	Orphan nuclear receptor Nur77 affects cardiomyocyte calcium homeostasis and adverse cardiac remodelling. Scientific Reports, 2015, 5, 15404.	1.6	33
69	Atrialâ€like cardiomyocytes from human pluripotent stem cells are a robust preclinical model for assessing atrialâ€selective pharmacology. EMBO Molecular Medicine, 2015, 7, 394-410.	3.3	310
70	Chemokine ligand 9 modulates cardiac repolarization via Cxcr3 receptor binding. International Journal of Cardiology, 2015, 201, 49-52.	0.8	2
71	Real-time simulation of IK1 in cardiomyocytes derived from human induced pluripotent stem cells. , 2015, , .		0
72	Immaturity of Human Stem-Cell-Derived Cardiomyocytes in Culture: Fatal Flaw or Soluble Problem?. Stem Cells and Development, 2015, 24, 1035-1052.	1.1	229

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73	Expansion and patterning of cardiovascular progenitors derived from human pluripotent stem cells. Nature Biotechnology, 2015, 33, 970-979.	9.4	165
74	Ion channelopathies in human induced pluripotent stem cell derived cardiomyocytes: a dynamic clamp study with virtual IK1. Frontiers in Physiology, 2015, 6, 7.	1.3	96
75	Ca2+ cycling properties are conserved despite bradycardic effects of heart failure in sinoatrial node cells. Frontiers in Physiology, 2015, 6, 18.	1.3	9
76	Pacemaker Activity of the Human Sinoatrial Node: An Update on the Effects of Mutations in HCN4 on the Hyperpolarization-Activated Current. International Journal of Molecular Sciences, 2015, 16, 3071-3094.	1.8	89
77	Dyscholesterolemia Protects Against Ischemia-Induced Ventricular Arrhythmias. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1481-1490.	2.1	22
78	Reply to Christ et al.: LQT1 and JLNS phenotypes in hiPSC-derived cardiomyocytes are due to KCNQ1 mutations. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1969-E1969.	3.3	4
79	Recessive cardiac phenotypes in induced pluripotent stem cell models of Jervell and Lange-Nielsen syndrome: Disease mechanisms and pharmacological rescue. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5383-92.	3.3	153
80	Coxsackie and Adenovirus Receptor Is a Modifier of Cardiac Conduction and Arrhythmia Vulnerability in the Setting of Myocardial Ischemia. Journal of the American College of Cardiology, 2014, 63, 549-559.	1.2	58
81	PDZ Domainâ€"Binding Motif Regulates Cardiomyocyte Compartment-Specific Na _V 1.5 Channel Expression and Function. Circulation, 2014, 130, 147-160.	1.6	113
82	THE SCN5A1795INSD/+ MUTATION RESULTS IN INCREASED INTRACELLULAR CALCIUM CONCENTRATIONS IN HUMAN CARDIOMYOCYTES DERIVED FROM INDUCED PLURIPOTENT STEM CELLS. Heart Rhythm, 2014, 11, 2136.	0.3	0
83	HCN4 Mutations in Multiple Families With Bradycardia and Left Ventricular Noncompaction Cardiomyopathy. Journal of the American College of Cardiology, 2014, 64, 745-756.	1.2	173
84	Pacemaker activity of the human sinoatrial node: effects of HCN4 mutations on the hyperpolarization-activated current. Europace, 2014, 16, 384-395.	0.7	37
85	0150: PDZ domain proteins interacting with Nav1.5 differentially regulate Nav1.5 channel pools in mouse cardiomyocytes. Archives of Cardiovascular Diseases Supplements, 2014, 6, 40-41.	0.0	0
86	Dynamic Clamp as a Tool to Study the Functional Effects of Individual Membrane Currents. Methods in Molecular Biology, 2014, 1183, 309-326.	0.4	8
87	Abstract 14019: Electrophysiological Effects of the Late Sodium Current Inhibitor GS967 in Scn5a -1798insD Mouse and Human SCN5A -1795insD iPSC-derived Cardiomyocytes. Circulation, 2014, 130, .	1.6	0
88	Common variants at SCN5A-SCN10A and HEY2 are associated with Brugada syndrome, a rare disease with high risk of sudden cardiac death. Nature Genetics, 2013, 45, 1044-1049.	9.4	467
89	Acetylsalicylic acid prevents platelet-induced proarrhythmic effects on intracellular Ca2+ homeostasis in ventricular myocytes. International Journal of Cardiology, 2013, 167, 303-305.	0.8	3
90	Electrophysiological changes in heart failure and their implications for arrhythmogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2432-2441.	1.8	84

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91	Sodium current inhibition by nanosecond pulsed electric field (nsPEF)â€"fact or artifact?. Bioelectromagnetics, 2013, 34, 162-164.	0.9	4
92	Early repolarization in mice causes overestimation of ventricular activation time by the QRS duration. Cardiovascular Research, 2013, 97, 182-191.	1.8	49
93	Unique Cardiac Purkinje Fiber Transient Outward Current Î²-Subunit Composition. Circulation Research, 2013, 112, 1310-1322.	2.0	77
94	Hyperpolarization-Activated Current, , in Mathematical Models of Rabbit Sinoatrial Node Pacemaker Cells. BioMed Research International, 2013, 2013, 1-18.	0.9	20
95	Slow Delayed Rectifier Potassium Current Blockade Contributes Importantly to Drug-Induced Long QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 1002-1009.	2.1	41
96	Intracardiac Origin of Heart Rate Variability, Pacemaker Funny Current and their Possible Association with Critical Illness. Current Cardiology Reviews, 2013, 9, 82-96.	0.6	39
97	Calcium Transient and Sodium-Calcium Exchange Current in Human versus Rabbit Sinoatrial Node Pacemaker Cells. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	19
98	Intracardiac Origin of Heart Rate Variability, Pacemaker Funny Current and their Possible Association with Critical Illness. Current Cardiology Reviews, 2013, 9, 82-96.	0.6	41
99	Zebrafish: a novel research tool for cardiac (patho)electrophysiology and ion channel disorders. Frontiers in Physiology, 2012, 3, 255.	1.3	79
100	Effects of Acetylcholine and Noradrenalin on Action Potentials of Isolated Rabbit Sinoatrial and Atrial Myocytes. Frontiers in Physiology, 2012, 3, 174.	1.3	42
101	T-box transcription factor TBX3 reprogrammes mature cardiac myocytes into pacemaker-like cells. Cardiovascular Research, 2012, 94, 439-449.	1.8	136
102	Intercalated disc abnormalities, reduced Na+ current density, and conduction slowing in desmoglein-2 mutant mice prior to cardiomyopathic changes. Cardiovascular Research, 2012, 95, 409-418.	1.8	180
103	A Diet Rich in Unsaturated Fatty Acids Prevents Progression Toward Heart Failure in a Rabbit Model of Pressure and Volume Overload. Circulation: Heart Failure, 2012, 5, 376-384.	1.6	20
104	Electrophysiologic Remodeling of the Left Ventricle in Pressure Overload-Induced Right Ventricular Failure. Journal of the American College of Cardiology, 2012, 59, 2193-2202.	1.2	46
105	Functional Na _V 1.8 Channels in Intracardiac Neurons. Circulation Research, 2012, 111, 333-343.	2.0	131
106	Induced pluripotent stem cell derived cardiomyocytes as models for cardiac arrhythmias. Frontiers in Physiology, 2012, 3, 346.	1.3	168
107	Dietary Omega-3 Polyunsaturated Fatty Acids Suppress NHE-1 Upregulation in a Rabbit Model of Volume- and Pressure-Overload. Frontiers in Physiology, 2012, 3, 76.	1.3	8
108	Cardiomyocytes Derived From Pluripotent Stem Cells Recapitulate Electrophysiological Characteristics of an Overlap Syndrome of Cardiac Sodium Channel Disease. Circulation, 2012, 125, 3079-3091.	1.6	245

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109	The Chemical Compound PTC124 Does Not Affect Cellular Electrophysiology of Cardiac Ventricular Myocytes. Cardiovascular Drugs and Therapy, 2012, 26, 41-45.	1.3	8
110	Identification and Functional Characterization of Cardiac Pacemaker Cells in Zebrafish. PLoS ONE, 2012, 7, e47644.	1.1	154
111	Reconstituted High-Density Lipoprotein Shortens Cardiac Repolarization. Journal of the American College of Cardiology, 2011, 58, 40-44.	1.2	34
112	Pacemaker Activity of the SA Node: Insights from Dynamic-Clamp Experiments. , 2011, , 101-117.		0
113	Etiology-dependency of ionic remodeling in cardiomyopathic rabbits. International Journal of Cardiology, 2011, 148, 154-160.	0.8	6
114	Activated human platelet products induce proarrhythmic effects in ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2011, 51, 347-356.	0.9	5
115	Sexâ€deparities in cardiac electrophysiology: Lâ€type Ca²⁺ current and the Na⁺â€“Ca²⁺ exchanger go hand in hand. Journal of Physiology, 2011, 589, 1247-1248.	1.3	1
116	Fever-triggered ventricular arrhythmias in Brugada syndrome and type 2 long-QT syndrome. Netherlands Heart Journal, 2010, 18, 165-169.	0.3	47
117	Effects of muscarinic receptor stimulation on Ca2+ transient, cAMP production and pacemaker frequency of rabbit sinoatrial node cells. Basic Research in Cardiology, 2010, 105, 73-87.	2.5	51
118	Incorporated Fish Oil Fatty Acids Prevent Action Potential Shortening Induced by Circulating Fish Oil Fatty Acids. Frontiers in Physiology, 2010, 1, 149.	1.3	16
119	Re-Evaluation of the Action Potential Upstroke Velocity as a Measure of the Na+ Current in Cardiac Myocytes at Physiological Conditions. PLoS ONE, 2010, 5, e15772.	1.1	60
120	Mechanism of right precordial ST-segment elevation in structural heart disease: Excitation failure by current-to-load mismatch. Heart Rhythm, 2010, 7, 238-248.	0.3	117
121	Role of the R1135H KCNH2 mutation in Brugada syndrome. International Journal of Cardiology, 2010, 144, 149-151.	0.8	38
122	Relative importance of funny current in human versus rabbit sinoatrial node. Journal of Molecular and Cellular Cardiology, 2010, 48, 799-801.	0.9	19
123	Gene Expression Profiling of the Forming Atrioventricular Node Using a Novel Tbx3 -Based Node-Specific Transgenic Reporter. Circulation Research, 2009, 105, 61-69.	2.0	80
124	Genetically Determined Differences in Sodium Current Characteristics Modulate Conduction Disease Severity in Mice With Cardiac Sodium Channelopathy. Circulation Research, 2009, 104, 1283-1292.	2.0	86
125	The cardiac sodium channel displays differential distribution in the conduction system and transmural heterogeneity in the murine ventricular myocardium. Basic Research in Cardiology, 2009, 104, 511-522.	2.5	103
126	Fish oil curtails the human action potential dome in a heterogeneous manner: Implication for arrhythmogenesis. International Journal of Cardiology, 2009, 132, 138-140.	0.8	8

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127	Pacemaker activity of the human sinoatrial node: Role of the hyperpolarization-activated current, If. International Journal of Cardiology, 2009, 132, 318-336.	0.8	61
128	Genetic Background Determines Magnitude of Late Sodium Current, Extent of Intracellular Na+ and Ca2+ Dysregulation, and Severity of Cardiomyopathy in Murine Sodium Channelopathy. Heart Rhythm, 2009, 6, 1686.	0.3	2
129	Dietary fish oil reduces pacemaker current and heart rate in rabbit. Heart Rhythm, 2009, 6, 1485-1492.	0.3	44
130	TBX3 Overexpression Reprograms Neonatal Cardiac Myocytes Toward Pacemaker Cells. Heart Rhythm, 2009, 6, 1688-1689.	0.3	0
131	Intracellular calcium modulation of voltage-gated sodium channels in ventricular myocytes. Cardiovascular Research, 2009, 81, 72-81.	1.8	71
132	Development of a Genetically Engineered Cardiac Pacemaker: Insights from Dynamic Action Potential Clamp Experiments. , 2009, , 399-415.		1
133	Is sodium current present in human sinoatrial node cells?. International Journal of Biological Sciences, 2009, 5, 201-204.	2.6	35
134	Engineering physiologically controlled pacemaker cells with lentiviral HCN4 gene transfer. Journal of Gene Medicine, 2008, 10, 487-497.	1.4	33
135	Chronic inhibition of the Na⁺/H⁺â€•exchanger causes regression of hypertrophy, heart failure, and ionic and electrophysiological remodelling. British Journal of Pharmacology, 2008, 154, 1266-1275.	2.7	70
136	Dynamic action potential clamp as a powerful tool in the development of a gene-based bio-pacemaker. , 2008, 2008, 133-6.		1
137	Acute Administration of Fish Oil Inhibits Triggered Activity in Isolated Myocytes From Rabbits and Patients With Heart Failure. Circulation, 2008, 117, 536-544.	1.6	72
138	Effects of heart failure on brain-type Na+ channels in rabbit ventricular myocytes: Reply. Europace, 2008, 10, 257-258.	0.7	2
139	Response to Letter Regarding Article â€œAcute Administration of Fish Oil Inhibits Triggered Activity in Isolated Myocytes From Rabbits and Patients With Heart Failureâ€• Circulation, 2008, 118, .	1.6	0
140	Pro- and antiarrhythmic properties of a diet rich in fish oil. Cardiovascular Research, 2007, 73, 316-325.	1.8	94
141	Tbx3 controls the sinoatrial node gene program and imposes pacemaker function on the atria. Genes and Development, 2007, 21, 1098-1112.	2.7	346
142	Effects of heart failure on brain-type Na+ channels in rabbit ventricular myocytes. Europace, 2007, 9, 571-577.	0.7	41
143	Pacemaker current (If) in the human sinoatrial node. European Heart Journal, 2007, 28, 2472-2478.	1.0	148
144	Single Cells Isolated from Human Sinoatrial Node: Action Potentials and Numerical Reconstruction of Pacemaker Current. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 904-7.	0.5	26

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145	Computational Model of Rabbit SA Node Pacemaker Activity Probed with Action Potential and Calcium Transient Clamp. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 156-9.	0.5	3
146	Dietary fish oil reduces the incidence of triggered arrhythmias in pig ventricular myocytes. Heart Rhythm, 2007, 4, 1452-1460.	0.3	34
147	Diversity in cardiac sodium channel disease phenotype in transgenic mice carrying a single SCN5A mutation. Netherlands Heart Journal, 2007, 15, 235-238.	0.3	4
148	Gender disparities in torsade de pointes ventricular tachycardia. Netherlands Heart Journal, 2007, 15, 405-411.	0.3	9
149	P5-5. Heart Rhythm, 2006, 3, S261.	0.3	0
150	Dietary fish oil reduces the occurrence of early afterdepolarizations in pig ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2006, 41, 914-917.	0.9	29
151	Cellular basis of sex disparities in human cardiac electrophysiology. Acta Physiologica, 2006, 187, 459-477.	1.8	26
152	Long-QT syndrome-related sodium channel mutations probed by the dynamic action potential clamp technique. Journal of Physiology, 2006, 570, 237-250.	1.3	43
153	Overlap Syndrome of Cardiac Sodium Channel Disease in Mice Carrying the Equivalent Mutation of Human SCN5A -1795insD. Circulation, 2006, 114, 2584-2594.	1.6	174
154	Larger Cell Size in Rabbits With Heart Failure Increases Myocardial Conduction Velocity and QRS Duration. Circulation, 2006, 113, 806-813.	1.6	97
155	Incorporated sarcolemmal fish oil fatty acids shorten pig ventricular action potentials. Cardiovascular Research, 2006, 70, 509-520.	1.8	83
156	Novel Brugada syndromeâ€causing mutation in ionâ€conducting pore of cardiac Na⁺ channel does not affect ion selectivity properties. Acta Physiologica Scandinavica, 2005, 185, 291-301.	2.3	51
157	Gender Disparities in Cardiac Cellular Electrophysiology and Arrhythmia Susceptibility in Human Failing Ventricular Myocytes. International Heart Journal, 2005, 46, 1105-1118.	0.5	56
158	Right Ventricular Fibrosis and Conduction Delay in a Patient With Clinical Signs of Brugada Syndrome. Circulation, 2005, 112, 2769-2777.	1.6	401
159	Role of sequence variations in the human ether-a-go-go-related gene (HERG, KCNH2) in the Brugada syndrome. Cardiovascular Research, 2005, 68, 441-453.	1.8	63
160	HERG Channel (Dys)function Revealed by Dynamic Action Potential Clamp Technique. Biophysical Journal, 2005, 88, 566-578.	0.2	90
161	Ca2+-activated Cl- current reduces transmural electrical heterogeneity within the rabbit left ventricle. Acta Physiologica Scandinavica, 2004, 180, 239-247.	2.3	27
162	Identification of swelling-activated Cl - current in rabbit cardiac Purkinje cells. Cellular and Molecular Life Sciences, 2004, 61, 1106-1113.	2.4	4

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163	Role of Ca2+ -activated Clâ^' current during proarrhythmic early afterdepolarizations in sheep and human ventricular myocytes. Acta Physiologica Scandinavica, 2003, 179, 143-148.	2.3	12
164	Genetic control of sodium channel function. Cardiovascular Research, 2003, 57, 961-973.	1.8	157
165	Ionic Remodeling of Sinoatrial Node Cells by Heart Failure. Circulation, 2003, 108, 760-766.	1.6	102
166	Conduction slowing by the gap junctional uncoupler carbenoxolone. Cardiovascular Research, 2003, 60, 288-297.	1.8	82
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