

Andras Varro

List of Publications by Year in descending order

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Version: 2024-02-01

303
papers

11,786
citations

27035

58
h-index

45040

94
g-index

310
all docs

310
docs citations

310
times ranked

10539
citing authors

#	ARTICLE	IF	CITATIONS
1	Docosahexaenoic acid normalizes QT interval in long QT type 2 transgenic rabbit models in a genotype-specific fashion. <i>Europace</i> , 2022, 24, 511-522.	0.7	3
2	Species dependent cardiac electrophysiological effects elicited by various potassium channel blocking drugs. <i>Journal of General Physiology</i> , 2022, 154, .	0.9	0
3	In vivo and cellular antiarrhythmic and cardiac electrophysiological effects of desethylamiodarone in dog cardiac preparations. <i>British Journal of Pharmacology</i> , 2022, , .	2.7	2
4	The Inhibition of the Small-Conductance Ca ²⁺ -Activated Potassium Channels Decreases the Sinus Node Pacemaking during Beta-Adrenergic Activation. <i>Pharmaceuticals</i> , 2022, 15, 313.	1.7	1
5	Different effects of amiodarone and dofetilide on the dispersion of repolarization between well-coupled ventricular and Purkinje fibers ¹ . <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 48-55.	0.7	1
6	Cardiac transmembrane ion channels and action potentials: cellular physiology and arrhythmogenic behavior. <i>Physiological Reviews</i> , 2021, 101, 1083-1176.	13.1	87
7	Cardiac electrophysiological effects of ibuprofen in dog and rabbit ventricular preparations: possible implication to enhanced proarrhythmic risk. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 102-109.	0.7	1
8	Blockade of sodium-calcium exchanger via ORM-10962 attenuates cardiac alternans. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 153, 111-122.	0.9	9
9	Mexiletine-like cellular electrophysiological effects of GS967 in canine ventricular myocardium. <i>Scientific Reports</i> , 2021, 11, 9565.	1.6	8
10	The electrophysiological effects of cannabidiol on action potentials and transmembrane potassium currents in rabbit and dog cardiac ventricular preparations. <i>Archives of Toxicology</i> , 2021, 95, 2497-2505.	1.9	11
11	Canine Myocytes Represent a Good Model for Human Ventricular Cells Regarding Their Electrophysiological Properties. <i>Pharmaceuticals</i> , 2021, 14, 748.	1.7	12
12	The development of L-type Ca ²⁺ current mediated alternans does not depend on the restitution slope in canine ventricular myocardium. <i>Scientific Reports</i> , 2021, 11, 16652.	1.6	1
13	Antiarrhythmic and cardiac electrophysiological effects of SZV-270, a novel compound with combined Class I/B and Class III effects, in rabbits and dogs. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 89-101.	0.7	1
14	Effect of ivabradine in heart failure: a meta-analysis of heart failure patients with reduced versus preserved ejection fraction. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 1159-1174.	0.7	2
15	Late Na ⁺ Current Is [Ca ²⁺] _i -Dependent in Canine Ventricular Myocytes. <i>Pharmaceuticals</i> , 2021, 14, 1142.	1.7	4
16	Arrhythmogenic Remodeling in the Failing Heart. <i>Cells</i> , 2021, 10, 3203.	1.8	18
17	Long-Term Endurance Exercise Training Alters Repolarization in a New Rabbit Athlete's Heart Model. <i>Frontiers in Physiology</i> , 2021, 12, 741317.	1.3	4
18	Data-Driven Identification of Stochastic Model Parameters and State Variables: Application to the Study of Cardiac Beat-to-Beat Variability. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 693-704.	3.9	1

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19	Implication of frequency-dependent protocols in antiarrhythmic and proarrhythmic drug testing. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 157, 76-83.	1.4	4
20	Personalised health education against health damage of COVID-19 epidemic in the elderly Hungarian population (PROACTIVE-19): protocol of an adaptive randomised controlled clinical trial. <i>Trials</i> , 2020, 21, 809.	0.7	3
21	Increased Ca ²⁺ content of the sarcoplasmic reticulum provides arrhythmogenic trigger source in swimming-induced rat athlete's heart model. <i>Scientific Reports</i> , 2020, 10, 19596.	1.6	8
22	Discovery and characterization of ORM ¹ 1372, a novel inhibitor of the sodium-calcium exchanger with positive inotropic activity. <i>British Journal of Pharmacology</i> , 2020, 177, 5534-5554.	2.7	13
23	Impaired cytoplasmic domain interactions cause co-assembly defect and loss of function in the p.Glu293Lys KNCJ2 variant isolated from an Andersen-Tawil syndrome patient. <i>Cardiovascular Research</i> , 2020, 117, 1923-1934.	1.8	2
24	Novel human Purkinje electrophysiology model for drug safety and efficacy mechanistic investigations. <i>Journal of Pharmacological and Toxicological Methods</i> , 2020, 105, 106808.	0.3	0
25	Transgenic LQT2, LQT5, and LQT2+5 rabbit models with decreased repolarisation reserve for prediction of drug-induced ventricular arrhythmias. <i>British Journal of Pharmacology</i> , 2020, 177, 3744-3759.	2.7	17
26	The Cardiac Pacemaker Story: Fundamental Role of the Na ⁺ /Ca ²⁺ Exchanger in Spontaneous Automaticity. <i>Frontiers in Pharmacology</i> , 2020, 11, 516.	1.6	13
27	Hidden Cardiotoxicity of Rofecoxib Can be Revealed in Experimental Models of Ischemia/Reperfusion. <i>Cells</i> , 2020, 9, 551.	1.8	16
28	Late sodium current in human, canine and guinea pig ventricular myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 139, 14-23.	0.9	20
29	Electrical Restitution and Its Modifications by Antiarrhythmic Drugs in Undiseased Human Ventricular Muscle. <i>Frontiers in Pharmacology</i> , 2020, 11, 479.	1.6	10
30	Human Purkinje in silico model enables mechanistic investigations into automaticity and pro-arrhythmic abnormalities. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 142, 24-38.	0.9	29
31	The electrophysiological effect of cannabidiol on hERG current and in guinea-pig and rabbit cardiac preparations. <i>Scientific Reports</i> , 2020, 10, 16079.	1.6	23
32	Academia Europaea Position Paper on Translational Medicine: The Cycle Model for Translating Scientific Results into Community Benefits. <i>Journal of Clinical Medicine</i> , 2020, 9, 1532.	1.0	50
33	Definition of hidden drug cardiotoxicity: paradigm change in cardiac safety testing and its clinical implications. <i>European Heart Journal</i> , 2019, 40, 1771-1777.	1.0	88
34	Age-related regulation and region-specific distribution of ion channel subunits promoting atrial fibrillation in human left and right atria. <i>Europace</i> , 2019, 21, 1261-1269.	0.7	21
35	Ablation of the calpain-targeted site in cardiac myosin binding protein-C is cardioprotective during ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 236-246.	0.9	20
36	Examination of the Changes in Calcium Homeostasis in the Delayed Antiarrhythmic Effect of Sodium Nitrite. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5687.	1.8	4

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37	The Novel Inodilator ORM-3819 Relaxes Isolated Porcine Coronary Arteries: Role of Voltage-Gated Potassium Channel Activation. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 218-224.	0.8	4
38	Evaluation of Possible Proarrhythmic Potency: Comparison of the Effect of Dofetilide, Cisapride, Sotalol, Terfenadine, and Verapamil on hERG and Native I_{Kr} Currents and on Cardiac Action Potential. <i>Toxicological Sciences</i> , 2019, 168, 365-380.	1.4	42
39	Novel Na^+/Ca^{2+} Exchanger Inhibitor ORM-10962 Supports Coupled Function of Funny-Current and Na^+/Ca^{2+} Exchanger in Pacemaking of Rabbit Sinus Node Tissue. <i>Frontiers in Pharmacology</i> , 2019, 10, 1632.	1.6	13
40	Development, calibration, and validation of a novel human ventricular myocyte model in health, disease, and drug block. <i>ELife</i> , 2019, 8, .	2.8	131
41	Complex electrophysiological remodeling in postinfarction ischemic heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3036-E3044.	3.3	72
42	Inotropic effect of NCX inhibition depends on the relative activity of the reverse NCX assessed by a novel inhibitor ORM-10962 on canine ventricular myocytes. <i>European Journal of Pharmacology</i> , 2018, 818, 278-286.	1.7	10
43	Comparison of the effects of $I_{K,ACh}$, I_{Kr} , and I_{Na} block in conscious dogs with atrial fibrillation and on action potentials in remodeled atrial trabeculae. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 18-25.	0.7	7
44	Advantageous antiarrhythmic and cellular electrophysiological effect of the metabolite of amiodarone (desethylamiodarone). <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-6.	0.0	0
45	Different electrophysiological effects of the levo- and dextro-rotatory isomers of mexiletine in isolated rabbit cardiac muscle. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 830-836.	0.7	1
46	A novel splice site™ HCN4 Gene mutation, c.1737 + 1 G > T, causes familial bradycardia, reduced heart rate response, impaired chronotropic competence and increased short-term heart rate variability. <i>International Journal of Cardiology</i> , 2017, 241, 364-372.	0.8	12
47	Nucleoside Diphosphate Kinase-C Suppresses cAMP Formation in Human Heart Failure. <i>Circulation</i> , 2017, 135, 881-897.	1.6	24
48	Beat-to-beat variability of cardiac action potential duration: underlying mechanism and clinical implications. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1230-1235.	0.7	18
49	Genomic upregulation of cardiac Cav1.2 and NCX1 by estrogen in women. <i>Biology of Sex Differences</i> , 2017, 8, 26.	1.8	30
50	The Electrogenic Na^+/K^+ Pump Is a Key Determinant of Repolarization Abnormality Susceptibility in Human Ventricular Cardiomyocytes: A Population-Based Simulation Study. <i>Frontiers in Physiology</i> , 2017, 8, 278.	1.3	53
51	Increased Short-Term Beat-to-Beat QT Interval Variability in Patients with Impaired Glucose Tolerance. <i>Frontiers in Endocrinology</i> , 2017, 8, 129.	1.5	19
52	Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. <i>Genome Biology</i> , 2017, 18, 170.	3.8	70
53	Experimentally-Based Computational Investigation into Beat-To-Beat Variability in Ventricular Repolarization and Its Response to Ionic Current Inhibition. <i>PLoS ONE</i> , 2016, 11, e0151461.	1.1	29
54	The investigation of the cellular electrophysiological and antiarrhythmic effects of a novel selective sodium-calcium exchanger inhibitor, GYKB-6635, in canine and guinea-pig hearts. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1090-1101.	0.7	6

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55	A novel transgenic rabbit model with reduced repolarization reserve: long QT syndrome caused by a dominant-negative mutation of the <i>KCNE1</i> gene. <i>British Journal of Pharmacology</i> , 2016, 173, 2046-2061.	2.7	38
56	New in vitro model for proarrhythmia safety screening: IKs inhibition potentiates the QTc prolonging effect of IKr inhibitors in isolated guinea pig hearts. <i>Journal of Pharmacological and Toxicological Methods</i> , 2016, 80, 26-34.	0.3	7
57	Sarcolemmal Ca ²⁺ -entry through L-type Ca ²⁺ channels controls the profile of Ca ²⁺ -activated Cl ⁻ current in canine ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 125-139.	0.9	20
58	Block of Na ⁺ /Ca ²⁺ exchanger by SEA0400 in human right atrial preparations from patients in sinus rhythm and in atrial fibrillation. <i>European Journal of Pharmacology</i> , 2016, 788, 286-293.	1.7	13
59	Rabbit models as tools for preclinical cardiac electrophysiological safety testing: Importance of repolarization reserve. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 121, 157-168.	1.4	26
60	The potential impact of new generation transgenic methods on creating rabbit models of cardiac diseases. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 121, 123-130.	1.4	17
61	Role of the dysfunctional ryanodine receptor - Na ⁺ -Ca ²⁺ -exchanger axis in progression of cardiovascular diseases: What we can learn from pharmacological studies?. <i>European Journal of Pharmacology</i> , 2016, 779, 91-101.	1.7	2
62	Ventricular cycle length irregularity affects the correlation between ventricular rate and coronary flow in isolated, Langendorff perfused guinea pig hearts. <i>Journal of Pharmacological and Toxicological Methods</i> , 2016, 77, 45-52.	0.3	1
63	The Effect of a Novel Highly Selective Inhibitor of the Sodium/Calcium Exchanger (NCX) on Cardiac Arrhythmias in In Vitro and In Vivo Experiments. <i>PLoS ONE</i> , 2016, 11, e0166041.	1.1	47
64	Increased Short-Term Beat-To-Beat Variability of QT Interval in Patients with Acromegaly. <i>PLoS ONE</i> , 2015, 10, e0125639.	1.1	15
65	Combined inhibition of key potassium currents has different effects on cardiac repolarization reserve and arrhythmia susceptibility in dogs and rabbits. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 535-544.	0.7	8
66	Monoamine oxidases are novel sources of cardiovascular oxidative stress in experimental diabetes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 555-561.	0.7	51
67	Short-term beat-to-beat variability of the QT interval is increased and correlates with parameters of left ventricular hypertrophy in patients with hypertrophic cardiomyopathy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 765-772.	0.7	14
68	Contribution of ion currents to beat-to-beat variability of action potential duration in canine ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 1431-1443.	1.3	40
69	Cardioprotection and arrhythmias, Part I. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, v-v.	0.7	0
70	Identification and functional characterisation of a novel <i>KCNJ2</i> mutation, Val302del, causing Andersen-Tawil syndrome. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 569-575.	0.7	3
71	Deranged sodium to sudden death. <i>Journal of Physiology</i> , 2015, 593, 1331-1345.	1.3	46
72	Cardioprotection and arrhythmias, Part 2. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, v-v.	0.7	0

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73	Long-term pretreatment with desethylamiodarone (DEA) or amiodarone (AMIO) protects against coronary artery occlusion induced ventricular arrhythmias in conscious rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 773-777.	0.7	5
74	Novel experimental results in human cardiac electrophysiology: measurement of the Purkinje fibre action potential from the undiseased human heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 803-810.	0.7	7
75	Effects of Chelidonium majus extracts and major alkaloids on hERG potassium channels and on dog cardiac action potential – A safety approach. <i>FÅ-toterapÅ-Åç</i> , 2015, 100, 156-165.	1.1	24
76	Regional Ion Channel Gene Expression Heterogeneity and Ventricular Fibrillation Dynamics in Human Hearts. <i>PLoS ONE</i> , 2014, 9, e82179.	1.1	21
77	Editorial (Thematic Issue: Perspectives of Antiarrhythmic Therapy: New Trails, Challenges and Pitfalls). <i>Current Pharmaceutical Design</i> , 2014, 21, 963-964.	0.9	0
78	Efficacy of selective NCX inhibition by ORM-10103 during simulated ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2014, 740, 539-551.	1.7	13
79	Absolute beat-to-beat variability and instability parameters of <i>ECG</i> intervals: biomarkers for predicting ischaemia-induced ventricular fibrillation. <i>British Journal of Pharmacology</i> , 2014, 171, 1772-1782.	2.7	13
80	Neurogenic Contraction Induced by the Antiarrhythmic Compound, <i>AVE</i> 0118, in Rat Small Mesenteric Arteries. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 315-320.	1.2	1
81	Assessment of Efficacy of Proarrhythmia Biomarkers in Isolated Rabbit Hearts With Attenuated Repolarization Reserve. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 266-276.	0.8	7
82	Characterization of a novel multifunctional resveratrol derivative for the treatment of atrial fibrillation. <i>British Journal of Pharmacology</i> , 2014, 171, 92-106.	2.7	26
83	Selective <i>Na</i> ⁺ / <i>Ca</i> ²⁺ exchanger inhibition prevents <i>Ca</i> ²⁺ overload-induced triggered arrhythmias. <i>British Journal of Pharmacology</i> , 2014, 171, 5665-5681.	2.7	38
84	Genome-Wide Identification of Expression Quantitative Trait Loci (eQTLs) in Human Heart. <i>PLoS ONE</i> , 2014, 9, e97380.	1.1	44
85	Antiarrhythmic Potential of Drugs Targeting the Cardiac Ryanodine Receptor <i>Ca</i> ²⁺ Release Channel: Case Study of Dantrolene. <i>Current Pharmaceutical Design</i> , 2014, 21, 1062-1072.	0.9	7
86	Genome-wide association study of multiple congenital heart disease phenotypes identifies a susceptibility locus for atrial septal defect at chromosome 4p16. <i>Nature Genetics</i> , 2013, 45, 822-824.	9.4	123
87	[Ca ²⁺] _i -induced augmentation of the inward rectifier potassium current (I _{K1}) in canine and human ventricular myocardium. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1621-1635.	1.3	27
88	L-364,373 (R-L3) enantiomers have opposite modulating effects on I _{Ks} in mammalian ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 586-592.	0.7	5
89	Remodeling of the cardiac sodium channel, connexin43, and plakoglobin at the intercalated disk in patients with arrhythmogenic cardiomyopathy. <i>Heart Rhythm</i> , 2013, 10, 412-419.	0.3	130
90	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, 371-379.	2.1	44

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91	Unique Cardiac Purkinje Fiber Transient Outward Current I^2 -Subunit Composition. <i>Circulation Research</i> , 2013, 112, 1310-1322.	2.0	77
92	<scp>ORM</scp>â€10103, a novel specific inhibitor of the <scp>⁺/Ca²⁺</scp></scp> exchanger, decreases early and delayed afterdepolarizations in the canine heart. <i>British Journal of Pharmacology</i> , 2013, 170, 768-778.	2.7	65
93	Involvement of Largeâ€Conductance <scp>C</scp>a²⁺â€Activated <scp>K</scp>⁺ Channels in both Nitric Oxide and Endotheliumâ€Derived Hyperpolarizationâ€Type Relaxation in Human Penile Small Arteries. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 113, 19-24.	1.2	23
94	Ionic mechanisms limiting cardiac repolarization reserve in humans compared to dogs. <i>Journal of Physiology</i> , 2013, 591, 4189-4206.	1.3	122
95	Altered expression of genes for Kir ion channels in dilated cardiomyopathy. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 648-656.	0.7	24
96	Human Electrophysiological and Pharmacological Properties of XEN-D0101. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 61, 408-415.	0.8	52
97	Reorganized PKA-AKAP associations in the failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 511-518.	0.9	75
98	Novel blockers of hyperpolarizationâ€activated current with isoform selectivity in recombinant cells and native tissue. <i>British Journal of Pharmacology</i> , 2012, 166, 602-616.	2.7	44
99	Prolonged Antispasmodic Effect in Isolated Radial Artery Graft and Pronounced Platelet Inhibition Induced by the Inodilator Drug, Levosimendan. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 269-274.	1.2	15
100	Diclofenac Prolongs Repolarization in Ventricular Muscle with Impaired Repolarization Reserve. <i>PLoS ONE</i> , 2012, 7, e53255.	1.1	12
101	A Multiscale Investigation of Repolarization Variability and Its Role in Cardiac Arrhythmogenesis. <i>Biophysical Journal</i> , 2011, 101, 2892-2902.	0.2	102
102	Role of NCX1 and NHE1 in Ventricular Arrhythmia. , 2011, , 543-561.		0
103	Antiarrhythmic effect of desethylamiodarone in conscious rats. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 39, 483-484.	1.2	3
104	Selective Pharmacological Inhibition of the Pacemaker Channel Isoforms (HCN1-4) as New Possible Therapeutical Targets. <i>Current Medicinal Chemistry</i> , 2011, 18, 3662-3674.	1.2	16
105	Role of Ca ²⁺ -Sensitive K ⁺ Currents in Controlling Ventricular Repolarization: Possible Implications for Future Antiarrhythmic Drug Therapy. <i>Current Medicinal Chemistry</i> , 2011, 18, 3622-3639.	1.2	14
106	Mechanism of Reverse Rate-Dependent Action of Cardioactive Agents. <i>Current Medicinal Chemistry</i> , 2011, 18, 3597-3606.	1.2	8
107	Antiarrhythmic effect of acute and chronic amiodarone treatment in conscious rats. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 38, 772-773.	1.2	6
108	Analysis of the contribution of I _{to} to repolarization in canine ventricular myocardium. <i>British Journal of Pharmacology</i> , 2011, 164, 93-105.	2.7	22

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109	Cardiac ventricular repolarization reserve: a principle for understanding drug-related proarrhythmic risk. <i>British Journal of Pharmacology</i> , 2011, 164, 14-36.	2.7	159
110	Minimum Information about a Cardiac Electrophysiology Experiment (MICEE): Standardised reporting for model reproducibility, interoperability, and data sharing. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 4-10.	1.4	75
111	Class I/B antiarrhythmic property of ranolazine, a novel antianginal agent, in dog and human cardiac preparations. <i>European Journal of Pharmacology</i> , 2011, 662, 31-39.	1.7	31
112	Electrophysiological effects of ivabradine in dog and human cardiac preparations: Potential antiarrhythmic actions. <i>European Journal of Pharmacology</i> , 2011, 668, 419-426.	1.7	41
113	Atrial Remodeling and Novel Pharmacological Strategies for Antiarrhythmic Therapy in Atrial Fibrillation. <i>Current Medicinal Chemistry</i> , 2011, 18, 3675-3694.	1.2	16
114	Role of K ⁺ Channels in the Maintenance of Ventricular Fibrillation in Cardiomyopathic Human Hearts. <i>Circulation Research</i> , 2011, 109, 1309-1318.	2.0	49
115	Increased Short-Term Variability of the QT Interval in Professional Soccer Players: Possible Implications for Arrhythmia Prediction. <i>PLoS ONE</i> , 2011, 6, e18751.	1.1	23
116	Mutations in sodium channel β -subunit SCN3B are associated with early-onset lone atrial fibrillation. <i>Cardiovascular Research</i> , 2011, 89, 786-793.	1.8	112
117	Simulation of the Undiseased Human Cardiac Ventricular Action Potential: Model Formulation and Experimental Validation. <i>PLoS Computational Biology</i> , 2011, 7, e1002061.	1.5	960
118	Vasorelaxing effect of levosimendan against 5-hydroxytryptamine-induced contractions in isolated human conduit bypass grafts. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1107-1112.	1.2	8
119	Reverse rate-dependent changes are determined by baseline action potential duration in mammalian and human ventricular preparations. <i>Basic Research in Cardiology</i> , 2010, 105, 315-323.	2.5	51
120	Possible mechanisms of sudden cardiac death in top athletes: a basic cardiac electrophysiological point of view. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 31-40.	1.3	41
121	Usefulness of Short-Term Variability of QT Intervals as a Predictor for Electrical Remodeling and Proarrhythmia in Patients With Nonischemic Heart Failure. <i>American Journal of Cardiology</i> , 2010, 106, 216-220.	0.7	96
122	Biomarkers and endogenous determinants of dofetilide-induced torsades de pointes in β -adrenoceptor-stimulated, anaesthetized rabbits. <i>British Journal of Pharmacology</i> , 2010, 161, 1477-1495.	2.7	12
123	Drug-induced changes in action potential duration are proportional to action potential duration in rat ventricular myocardium. <i>General Physiology and Biophysics</i> , 2010, 29, 309-313.	0.4	3
124	Interspecies Differences and Extracellular Calcium Dependence in the Vasorelaxing Effect of Cromakalim in Isolated Human, Porcine, and Canine Coronary Arteries. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2010, 15, 289-295.	1.0	0
125	Heterogeneous Connexin43 distribution in heart failure is associated with dispersed conduction and enhanced susceptibility to ventricular arrhythmias. <i>European Journal of Heart Failure</i> , 2010, 12, 913-921.	2.9	55
126	Alternative Promoter Usage and Splicing of the Human SCN5A Gene Contribute to Transcript Heterogeneity. <i>DNA and Cell Biology</i> , 2010, 29, 577-587.	0.9	10

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127	Mechanisms of ventricular rate adaptation as a predictor of arrhythmic risk. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1577-H1587.	1.5	70
128	Left-to-Right Atrial Inward Rectifier Potassium Current Gradients in Patients With Paroxysmal Versus Chronic Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2010, 3, 472-480.	2.1	204
129	Gender-related differences in ion-channel and transporter subunit expression in non-diseased human hearts. Journal of Molecular and Cellular Cardiology, 2010, 49, 639-646.	0.9	160
130	Proteome-wide protein concentrations in the human heart. Molecular BioSystems, 2010, 6, 1917.	2.9	68
131	I K1 a crucial component of repolarization reserve is modulated by shifts in $[Ca^{2+}]_i$. FASEB Journal, 2010, 24, 608.2.	0.2	0
132	Herpesvirus-Mediated Delivery of a Genetically Encoded Fluorescent Ca^{2+} Sensor to Canine Cardiomyocytes. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-12.	3.0	13
133	Transcriptional profiling of ion channel genes in Brugada syndrome and other right ventricular arrhythmogenic diseases. European Heart Journal, 2009, 30, 487-496.	1.0	47
134	Reverse rate dependency is an intrinsic property of canine cardiac preparations. Cardiovascular Research, 2009, 84, 237-244.	1.8	54
135	Biseko [®] colloidal solution diminishes the vasoreactivity of human isolated radial arteries [†] . European Journal of Cardio-thoracic Surgery, 2009, 36, 143-147.	0.6	4
136	A Mutation in the β_3 Subunit of the Cardiac Sodium Channel Associated With Brugada ECG Phenotype. Circulation: Cardiovascular Genetics, 2009, 2, 270-278.	5.1	232
137	Transmural expression of ion channels and transporters in human nondiseased and end-stage failing hearts. Pflugers Archiv European Journal of Physiology, 2009, 459, 11-23.	1.3	80
138	The role of the Na^+/Ca^{2+} exchanger, I_{Na} and I_{CaL} in the genesis of dofetilide [®] -induced torsades de pointes in isolated, AV [®] -blocked rabbit hearts. British Journal of Pharmacology, 2009, 156, 920-932.	2.7	35
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