

Elisabetta Cerbai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1359900/publications.pdf>

Version: 2024-02-01

223
papers

7,138
citations

57681

46
h-index

84171

75
g-index

228
all docs

228
docs citations

228
times ranked

8966
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute appendicitis in a patient immunised with COVID-19 vaccine: A case report with morphological analysis. <i>British Journal of Clinical Pharmacology</i> , 2023, 89, 551-555.	1.1	3
2	Optical clearing in cardiac imaging: A comparative study. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 168, 10-17.	1.4	10
3	Genotype-Driven Pathogenesis of Atrial Fibrillation in Hypertrophic Cardiomyopathy: The Case of Different TNNT2 Mutations. <i>Frontiers in Physiology</i> , 2022, 13, 864547.	1.3	5
4	Sex-Related Differences in Genetic Cardiomyopathies. <i>Journal of the American Heart Association</i> , 2022, 11, e024947.	1.6	18
5	Photoresponsive Polymer-Based Biomimetic Contractile Units as Building Block for Artificial Muscles. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	5
6	Dual Carbonic Anhydrase IX/XII Inhibitors and Carbon Monoxide Releasing Molecules Modulate LPS-Mediated Inflammation in Mouse Macrophages. <i>Antioxidants</i> , 2021, 10, 56.	2.2	16
7	Of hits, players, and goalkeepers: the case of arrhythmias in diabetes. <i>Cardiovascular Research</i> , 2021, , .	1.8	0
8	Toward an in vitro human pacemaker. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 989-990.	1.3	0
9	The HCN channel as a pharmacological target: Why, where, and how to block it. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 166, 173-181.	1.4	11
10	Fast Optical Investigation of Cardiac Electrophysiology by Parallel Detection in Multiwell Plates. <i>Frontiers in Physiology</i> , 2021, 12, 692496.	1.3	7
11	Systematic large-scale assessment of the genetic architecture of left ventricular noncompaction reveals diverse etiologies. <i>Genetics in Medicine</i> , 2021, 23, 856-864.	1.1	45
12	Mesoscopic Optical Imaging of Whole Mouse Heart. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
13	Ion Channel Impairment and Myofilament Ca ²⁺ Sensitization: Two Parallel Mechanisms Underlying Arrhythmogenesis in Hypertrophic Cardiomyopathy. <i>Cells</i> , 2021, 10, 2789.	1.8	11
14	OUP accepted manuscript. <i>Cardiovascular Research</i> , 2021, , .	1.8	0
15	Modelling genetic diseases for drug development: Hypertrophic cardiomyopathy. <i>Pharmacological Research</i> , 2020, 160, 105176.	3.1	12
16	Targeting Cyclic Guanosine Monophosphate to Treat Heart Failure. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1795-1807.	1.2	71
17	Abnormalities in sodium current and calcium homeostasis as drivers of arrhythmogenesis in hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2020, 116, 1585-1599.	1.8	40
18	The hyperpolarization-activated cyclic nucleotide-gated 4 channel as a potential anti-seizure drug target. <i>British Journal of Pharmacology</i> , 2020, 177, 3712-3729.	2.7	14

#	ARTICLE	IF	CITATIONS
19	Arrhythmia susceptibility in a rat model of acute atrial dilation. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 154, 21-29.	1.4	5
20	Pirfenidone is a cardioprotective drug: Mechanisms of action and preclinical evidence. <i>Pharmacological Research</i> , 2020, 155, 104694.	3.1	52
21	Neural Effects on Cardiac Electrophysiology. , 2020, , 973-985.		0
22	Defining the diagnostic effectiveness of genes for inclusion in panels: the experience of two decades of genetic testing for hypertrophic cardiomyopathy at a single center. <i>Genetics in Medicine</i> , 2019, 21, 284-292.	1.1	54
23	Optical Investigation of Action Potential and Calcium Handling Maturation of hiPSC-Cardiomyocytes on Biomimetic Substrates. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3799.	1.8	27
24	Electrophysiological and Contractile Effects of Disopyramide in Patients With Obstructive Hypertrophic Cardiomyopathy. <i>JACC Basic To Translational Science</i> , 2019, 4, 795-813.	1.9	35
25	Angiotensin-II Drives Human Satellite Cells Toward Hypertrophy and Myofibroblast Trans-Differentiation by Two Independent Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4912.	1.8	11
26	Editorial: The Role of Calcium Handling in Heart Failure and Heart Failure Associated Arrhythmias. <i>Frontiers in Physiology</i> , 2019, 10, 1.	1.3	309
27	Design of Biocompatible Liquid Cristal Elastomers Reproducing the Mechanical Properties of Human Cardiac Muscle. <i>Biophysical Journal</i> , 2019, 116, 264a.	0.2	0
28	Letter to the Editor. <i>Journal of Physiology</i> , 2019, 597, 2965-2966.	1.3	1
29	Development of Light-Responsive Liquid Crystalline Elastomers to Assist Cardiac Contraction. <i>Circulation Research</i> , 2019, 124, e44-e54.	2.0	44
30	EC18 as a Tool To Understand the Role of HCN4 Channels in Mediating Hyperpolarization-Activated Current in Tissues. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 584-589.	1.3	12
31	Pharmacological Inhibition of Serine Proteases to Reduce Cardiac Inflammation and Fibrosis in Atrial Fibrillation. <i>Frontiers in Pharmacology</i> , 2019, 10, 1420.	1.6	12
32	Neural Effects on Cardiac Electrophysiology. , 2019, , 1-13.		0
33	Late sodium current inhibitors to treat exercise-induced obstruction in hypertrophic cardiomyopathy: an <i>in vitro</i> study in human myocardium. <i>British Journal of Pharmacology</i> , 2018, 175, 2635-2652.	2.7	49
34	Sex-related differences in chronic heart failure. <i>International Journal of Cardiology</i> , 2018, 255, 145-151.	0.8	41
35	Selective HCN1 block as a strategy to control oxaliplatin-induced neuropathy. <i>Neuropharmacology</i> , 2018, 131, 403-413.	2.0	58
36	The importance of integrated left atrial evaluation: From hypertension to heart failure with preserved ejection fraction. <i>International Journal of Clinical Practice</i> , 2018, 72, e13050.	0.8	18

#	ARTICLE	IF	CITATIONS
37	Arterial hypertension and atrial fibrillation. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 51-61.	0.6	4
38	Reply to Entcheva: The impact of T-tubules on action potential propagation in cardiac tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E562-E563.	3.3	0
39	Myocardial 123I-metaiodobenzylguanidine imaging in hypertension and left ventricular hypertrophy. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 461-470.	1.4	1
40	Whole Heart Cytoarchitecture at Micron-Scale Resolution. <i>Biophysical Journal</i> , 2018, 114, 384a.	0.2	0
41	Selective Blockade of HCN1/HCN2 Channels as a Potential Pharmacological Strategy Against Pain. <i>Frontiers in Pharmacology</i> , 2018, 9, 1252.	1.6	40
42	Altered Ca ²⁺ and Na ⁺ Homeostasis in Human Hypertrophic Cardiomyopathy: Implications for Arrhythmogenesis. <i>Frontiers in Physiology</i> , 2018, 9, 1391.	1.3	53
43	Novel pharmacological approaches for paediatric hypertrophic cardiomyopathy. <i>Progress in Pediatric Cardiology</i> , 2018, 51, 46-54.	0.2	0
44	Hyperpolarization-activated cyclic-nucleotide-gated channels: pathophysiological, developmental, and pharmacological insights into their function in cellular excitability. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 977-984.	0.7	20
45	Real-time optical manipulation of cardiac conduction in intact hearts. <i>Journal of Physiology</i> , 2018, 596, 3841-3858.	1.3	42
46	Real-Time Optical Manipulation of Cardiac Conduction in Intact Hearts. <i>Biophysical Journal</i> , 2018, 114, 166a.	0.2	0
47	Synthesis of novel benzenesulfamide derivatives with inhibitory activity against human cytosolic carbonic anhydrase I and II and <i>Vibrio cholerae</i> I [±] - and I ² -class enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1125-1136.	2.5	14
48	Resistant hypertension: an overview. <i>Minerva Cardiology and Angiology</i> , 2018, 66, 337-348.	0.4	5
49	Atrial Remodeling in Hypertrophic Cardiomyopathy. <i>Biophysical Journal</i> , 2017, 112, 556a.	0.2	0
50	Ranolazine Prevents Phenotype Development in a Mouse Model of Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	76
51	Quantitative assessment of passive electrical properties of the cardiac T-tubular system by FRAP microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5737-5742.	3.3	46
52	The effects of gender on electrical therapies for the heart: physiology, epidemiology, and access to therapies. <i>Europace</i> , 2017, 19, 1418-1426.	0.7	16
53	Optical Mapping in Rat Models of Atrial Dilation. <i>Biophysical Journal</i> , 2017, 112, 100a.	0.2	0
54	Measuring Electrical Conductivity of the Cardiac T-Tubular System. <i>Biophysical Journal</i> , 2017, 112, 161a.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Content of mitochondrial calcium uniporter (MCU) in cardiomyocytes is regulated by microRNA-1 in physiologic and pathologic hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9006-E9015.	3.3	70
56	Liquid Crystalline Networks toward Regenerative Medicine and Tissue Repair. Small, 2017, 13, 1702677.	5.2	46
57	The Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels: from Biophysics to Pharmacology of a Unique Family of Ion Channels. Pharmacological Reviews, 2017, 69, 354-395.	7.1	103
58	Pathogenesis of Hypertrophic Cardiomyopathy is Mutation Rather Than Disease Specific: A Comparison of the Cardiac Troponin T E163R and R92Q Mouse Models. Journal of the American Heart Association, 2017, 6, .	1.6	51
59	Novel Sulfamide-Containing Compounds as Selective Carbonic Anhydrase I Inhibitors. Molecules, 2017, 22, 1049.	1.7	24
60	T-Tubular Electrical Defects Contribute to Blunted β -Adrenergic Response in Heart Failure. International Journal of Molecular Sciences, 2016, 17, 1471.	1.8	12
61	HCN Channels Modulators: The Need for Selectivity. Current Topics in Medicinal Chemistry, 2016, 16, 1764-1791.	1.0	54
62	Diffusion Properties of Cardiac T-Tubular System. Biophysical Journal, 2016, 110, 182a.	0.2	0
63	Effects of Beta-Adrenergic Stimulation on Rat Failing Cardiomyocytes. Biophysical Journal, 2016, 110, 435a-436a.	0.2	0
64	Optogenetics design of mechanically-based stimulation patterns for cardiac defibrillation. Scientific Reports, 2016, 6, 35628.	1.6	105
65	Biochemical and Electrophysiological Modification of Amyloid Transthyretin on Cardiomyocytes. Biophysical Journal, 2016, 111, 2024-2038.	0.2	19
66	Mechanisms of pro-arrhythmic abnormalities in ventricular repolarisation and anti-arrhythmic therapies in human hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2016, 96, 72-81.	0.9	102
67	R4496C RyR2 mutation impairs atrial and ventricular contractility. Journal of General Physiology, 2016, 147, 39-52.	0.9	22
68	Novel insights on the relationship between T-tubular defects and contractile dysfunction in a mouse model of hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2016, 91, 42-51.	0.9	52
69	Structural and Functional Defects of T-Tubular System and Their Implications in Calcium Release and Contraction in a Mouse Model of Hypertrophic Cardiomyopathy. Biophysical Journal, 2015, 108, 262a.	0.2	0
70	Myocardial Dysfunction in Hypertrophic Cardiomyopathy: Primary Effects of Sarcomeric Mutations Versus Secondary EC-Coupling Remodelling. Biophysical Journal, 2015, 108, 293a.	0.2	0
71	Life-Long Treatment with Late Sodium Current Blocker Reduces Myocardial Dysfunction and Remodeling in a Mouse Model of Hypertrophic Cardiomyopathy. Biophysical Journal, 2015, 108, 291a.	0.2	1
72	Mechanical Effects of Late Na-Current Blockers in Human Hypertrophic Cardiomyopathy Myocardium. Biophysical Journal, 2015, 108, 293a.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Pharmacological perspectives in sarcopenia: a potential role for renin-angiotensin system blockers?. <i>Clinical Cases in Mineral and Bone Metabolism</i> , 2015, 12, 135-8.	1.0	23
74	Updates on HCN Channels in the Heart: Function, Dysfunction and Pharmacology. <i>Current Drug Targets</i> , 2015, 16, 868-876.	1.0	23
75	Simultaneous recording of t-tubular electrical activity and Ca ²⁺ -release in heart failure. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
76	291Myocardial dysfunction in hypertrophic cardiomyopathy: primary effects of sarcomeric mutations versus secondary cardiomyocyte remodeling?. <i>Cardiovascular Research</i> , 2014, 103, S53.2-S53.	1.8	0
77	Increased CAMKII Activity Impairs Contractile Function in Human HCM Myocardium. <i>Biophysical Journal</i> , 2014, 106, 348a.	0.2	0
78	Defects in T-tubular electrical activity underlie local alterations of calcium release in heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15196-15201.	3.3	78
79	Impact of detubulation on force and kinetics of cardiac muscle contraction. <i>Journal of General Physiology</i> , 2014, 143, 783-797.	0.9	49
80	E-C Coupling Alterations and Spontaneous Activity in Mice Carrying Cardiac Troponin T Mutations. <i>Biophysical Journal</i> , 2014, 106, 644a.	0.2	0
81	Spatio-Temporal Relationship Between T-Tubular Electrical Activity and Ca ²⁺ Release in Heart Failure. <i>Biophysical Journal</i> , 2014, 106, 447a.	0.2	3
82	Beta-Adrenergic Response in Human HCM Myocardium: Effects of Ranolazine. <i>Biophysical Journal</i> , 2014, 106, 347a.	0.2	0
83	Isolation and Functional Characterization of Human Ventricular Cardiomyocytes from Fresh Surgical Samples. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	37
84	P686Abnormal electrical activity of remodelled T-tubules promotes asynchronous Ca ²⁺ release in heart failure. <i>Cardiovascular Research</i> , 2014, 103, S125.4-S125.	1.8	0
85	P633Ranolazine reduces arrhythmogenicity in transgenic mouse models of hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2014, 103, S115.2-S115.	1.8	0
86	The transverse-axial tubular system of cardiomyocytes. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4695-4710.	2.4	50
87	Spatiotemporal Relationship between Ca ²⁺ Release and Action Potential in Cardiomyocytes Probed by Random Access Microscopy. <i>Biophysical Journal</i> , 2013, 104, 202a.	0.2	0
88	Molecular and Functional Evidence of HCN4 and Caveolin-3 Interaction During Cardiomyocyte Differentiation from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 1717-1727.	1.1	34
89	Altered calcium regulation in isolated cardiomyocytes from Egr-1 knock-out mice. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 1135-1142.	0.7	19
90	Determinants of Mechanical Dysfunction in Myocardium with Reduced Density of T-Tubules. <i>Biophysical Journal</i> , 2013, 104, 107a.	0.2	0

#	ARTICLE	IF	CITATIONS
91	Determinants of Abnormal Excitation-Contraction Coupling in Cardiomyocytes from Patients with Hypertrophic Cardiomyopathy. <i>Biophysical Journal</i> , 2013, 104, 106a.	0.2	0
92	Response to Letter Regarding Article, "Late Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathy." <i>Circulation</i> , 2013, 128, e157.	1.6	11
93	Regulation of intracellular Na ⁺ in health and disease: pathophysiological mechanisms and implications for treatment. <i>Global Cardiology Science & Practice</i> , 2013, 2013, 30.	0.3	18
94	Late Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2013, 127, 575-584.	1.6	347
95	Chronic Atrial Fibrillation Alters the Functional Properties of I _f in the Human Atrium. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1391-1400.	0.8	39
96	Human amniotic fluid stem cell differentiation along smooth muscle lineage. <i>FASEB Journal</i> , 2013, 27, 4853-4865.	0.2	31
97	Probing cell activity in random access modality. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
98	Probing the spatiotemporal relationship between intracellular Ca ²⁺ release and action potential propagation in cardiomyocytes by ultrafast multi-photon random access microscopy. , 2013, , .		0
99	Action potential propagation in transverse-axial tubular system is impaired in heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5815-5819.	3.3	94
100	Novel blockers of hyperpolarization-activated current with isoform selectivity in recombinant cells and native tissue. <i>British Journal of Pharmacology</i> , 2012, 166, 602-616.	2.7	44
101	Mathematical modelling of the action potential of human embryonic stem cell derived cardiomyocytes. <i>BioMedical Engineering OnLine</i> , 2012, 11, 61.	1.3	23
102	Long-term treatment with ivabradine in post-myocardial infarcted rats counteracts f _h channel overexpression. <i>British Journal of Pharmacology</i> , 2012, 165, 1457-1466.	2.7	55
103	Impact of R4496C RyR2 Mutation on Myocardial Contractility. <i>Biophysical Journal</i> , 2011, 100, 291a.	0.2	0
104	Functional Expression and Subcellular Localization of f-Channels in Native Human and hESC-Derived Cardiomyocytes. <i>Biophysical Journal</i> , 2011, 100, 197a.	0.2	0
105	Probing T-Tubular Electrophysiology by Random Access Two-Photon Microscopy in Cardiac Myocytes. <i>Biophysical Journal</i> , 2011, 100, 182a.	0.2	0
106	The effect of losartan treatment on the response of diabetic cardiomyocytes to ATP depletion. <i>Pharmacological Research</i> , 2011, 63, 225-232.	3.1	10
107	Enhanced Propagation of Calcium-Induced Calcium-Release (CICR) from the Cell Periphery to the Core Increases Contractility of Detubulated Myocardium. <i>Biophysical Journal</i> , 2011, 100, 293a.	0.2	0
108	Growth Factor-Induced Mobilization of Cardiac Progenitor Cells Reduces the Risk of Arrhythmias, in a Rat Model of Chronic Myocardial Infarction. <i>PLoS ONE</i> , 2011, 6, e17750.	1.1	31

#	ARTICLE	IF	CITATIONS
109	Selective Pharmacological Inhibition of the Pacemaker Channel Isoforms (HCN1-4) as New Possible Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2011, 18, 3662-3674.	1.2	16
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	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
112	Nitric Oxide/Reactive Oxygen Species Generation and Nitroso/Redox Imbalance in Heart Failure: From Molecular Mechanisms to Therapeutic Implications. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 289-331.	2.5	74
113	Heart rate reduction with ivabradine prevents the global phenotype of left ventricular remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H366-H373.	1.5	47
114	Electrophysiological Characterization of Isolated Human Atrial Myocytes Exposed to Tegaserod. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 106, 416-421.	1.2	4
115	Oleuropein aglycon prevents cytotoxic amyloid aggregation of human amylin α . <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 726-735.	1.9	107
116	Prenatal exposure to carbon monoxide delays postnatal cardiac maturation. <i>Laboratory Investigation</i> , 2010, 90, 1582-1593.	1.7	14
117	Italy's stem-cell challenge gaining momentum. <i>Nature</i> , 2010, 463, 729-729.	13.7	2
118	Effects of Chronic Atrial Fibrillation on Active and Passive Force Generation in Human Atrial Myofibrils. <i>Circulation Research</i> , 2010, 107, 144-152.	2.0	44
119	Acetaminophen, via its reactive metabolite N-acetyl-p-benzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. <i>FASEB Journal</i> , 2010, 24, 4904-4916.	0.2	102
120	Cardiac and Electrophysiological Effects of Primary and Refined Extracts from <i>Leonurus cardiaca</i> L. (Ph.Eur.). <i>Planta Medica</i> , 2010, 76, 572-582.	0.7	41
121	Cellular Mechanisms of Contractile Impairment in Human Chronic Atrial Fibrillation. <i>Biophysical Journal</i> , 2010, 98, 360a.	0.2	0
122	Functional Expression and Subcellular Localization of F-Channels in Human Ventricular and hESC-Derived Cardiomyocytes. <i>Biophysical Journal</i> , 2010, 98, 707a.	0.2	0
123	Design, Synthesis, and Preliminary Biological Evaluation of New Isoform-Selective f-Current Blockers. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6773-6777.	2.9	35
124	Enhanced ROS production by NADPH oxidase is correlated to changes in antioxidant enzyme activity in human heart failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 331-338.	1.8	76
125	Acetaminophen, via its reactive metabolite N-acetyl-p-benzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. <i>FASEB Journal</i> , 2010, 24, 4904-4916.	0.2	19
126	Identifying needs and opportunities for advancing translational research in cardiovascular disease. <i>Cardiovascular Research</i> , 2009, 83, 425-435.	1.8	28

#	ARTICLE	IF	CITATIONS
127	Beating to time: calcium clocks, voltage clocks, and cardiac pacemaker activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H561-H562.	1.5	8
128	Modulation of cardiac ionic homeostasis by 3-iodothyronamine. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3082-3090.	1.6	34
129	Losartan counteracts the hyper-reactivity to angiotensin II and ROCK1 over-activation in aortas isolated from streptozotocin-injected diabetic rats. <i>Cardiovascular Diabetology</i> , 2009, 8, 32.	2.7	23
130	Impact of RyR2 Mutation Responsible for Catecholaminergic Polymorphic Ventricular Tachycardia (CPTV) on the Short Term Interval-Force Relationship of Atrial and Ventricular Myocardium. <i>Biophysical Journal</i> , 2009, 96, 111a.	0.2	0
131	Electrophysiological Evaluation of Novel Blockers of If Current. <i>Biophysical Journal</i> , 2009, 96, 477a.	0.2	0
132	Electrophysiologic changes in heart failure: focus on pacemaker channels This article is one of a selection of papers from the NATO Advanced Research Workshop on Translational Knowledge for Heart Health (published in part 1 of a 2-part Special Issue).. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 84-90.	0.7	10
133	Action Potential Modelling Predicts Electrophysiological and Pharmacological Features of Human Embryonic Stem Cell-derived Cardiomyocytes. <i>Biophysical Journal</i> , 2009, 96, 664a.	0.2	0
134	From in vivo plasma composition to in vitro cardiac electrophysiology and in silico virtual heart: the extracellular calcium enigma. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2203-2223.	1.6	24
135	Do amniotic fluid-derived stem cells differentiate into neurons in vitro?. <i>Nature Biotechnology</i> , 2008, 26, 269-270.	9.4	24
136	Functional coupling of angiotensin II type 1 receptor with insulin resistance of energy substrate uptakes in immortalized cardiomyocytes (HL-1 cells). <i>British Journal of Pharmacology</i> , 2008, 153, 907-914.	2.7	16
137	Expression of the hyperpolarization-activated current, If, in cultured adult rat ventricular cardiomyocytes and its modulation by hypertrophic factors. <i>Pharmacological Research</i> , 2008, 57, 100-109.	3.1	15
138	Molecular basis of funny current (If) in normal and failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 289-299.	0.9	158
139	Role of potassium currents in cardiac arrhythmias. <i>Europace</i> , 2008, 10, 1133-1137.	0.7	130
140	Holt-Oram Syndrome and Atrial Fibrillation. <i>Circulation Research</i> , 2008, 102, 1304-1306.	2.0	13
141	Characterization of a novel SCN5A mutation associated with Brugada syndrome reveals involvement of DIIIS4-S5 linker in slow inactivation. <i>Cardiovascular Research</i> , 2007, 76, 418-429.	1.8	40
142	Cardiac effects of 3-iodothyronamine: a new aminergic system modulating cardiac function. <i>FASEB Journal</i> , 2007, 21, 1597-1608.	0.2	125
143	hERG channels as a therapeutic target in heart disease. <i>Future Cardiology</i> , 2007, 3, 657-666.	0.5	3
144	Dopamine Agonists and Valvular Heart Disease. <i>New England Journal of Medicine</i> , 2007, 356, 1676-1680.	13.9	5

#	ARTICLE	IF	CITATIONS
145	NADPH oxidase-dependent redox signaling in human heart failure: Relationship between the left and right ventricle. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 826-834.	0.9	59
146	Expression and modulation of f-channels in chronic atrial fibrillation: A study in human atrium. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S6-S7.	0.9	0
147	Ranolazine normalizes action potential repolarization of hypertrophied ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S10-S11.	0.9	0
148	Effect of ivabradine on structural and electrophysiological remodelling in a rat model of heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S13.	0.9	0
149	3-Iodothyronamine affects calcium handling in rat ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S21-S22.	0.9	2
150	The effect of losartan on expression of beta-adrenoceptors in cardiomyocytes of diabetic and normoglycemic rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S30-S31.	0.9	0
151	3-Iodothyronamine modulates sarcoplasmic reticulum calcium release. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S40.	0.9	0
152	Molecular and functional development of cardiomyocytes differentiated from human embryonic stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S90-S91.	0.9	0
153	Fetal bovine serum is essential for cardiac differentiation of human embryonic stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S91.	0.9	0
154	5-HT ₂ receptors enable cardiac differentiation of mouse embryonic stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S92.	0.9	0
155	NADPH oxidase is related with lipid peroxidation and redox-sensitive kinase activation in human failing hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S153.	0.9	0
156	Losartan ameliorates diabetic vascular hyper-reactivity to angiotensin ii by reducing rock1 expression and activity. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S230.	0.9	1
157	The effect of losartan on time to rigor occurrence of diabetic cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S241.	0.9	0
158	Developmental Changes in Cardiomyocytes Differentiated from Human Embryonic Stem Cells: A Molecular and Electrophysiological Approach. <i>Stem Cells</i> , 2007, 25, 1136-1144.	1.4	348
159	ATP Modulates Cell Proliferation and Elicits Two Different Electrophysiological Responses in Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2007, 25, 1840-1849.	1.4	76
160	Fetal bovine serum enables cardiac differentiation of human embryonic stem cells. <i>Differentiation</i> , 2007, 75, 669-681.	1.0	62
161	Quantification of midkine gene expression in <i>Patella caerulea</i> (Mollusca, Gastropoda) exposed to cadmium. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 75, 120-124.	0.9	5
162	Tension generation and relaxation in single myofibrils from human atrial and ventricular myocardium. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 454, 63-73.	1.3	85

#	ARTICLE	IF	CITATIONS
163	If in non-pacemaker cells: Role and pharmacological implications. <i>Pharmacological Research</i> , 2006, 53, 416-423.	3.1	55
164	Functional remodeling in post-myocardial infarcted rats: focus on beta-adrenoceptor subtypes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 258-266.	0.9	27
165	3-Iodothyronamine affects calcium handling in isolated cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 925.	0.9	0
166	Design, synthesis and preliminary biological evaluation of zatebradine analogues as potential blockers of the hyperpolarization-activated current. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1211-1220.	1.4	22
167	n-3 polyunsaturated fatty acids supplementation decreases asymmetric dimethyl arginine and arachidonate accumulation in aging spontaneously hypertensive rats. <i>European Journal of Nutrition</i> , 2005, 44, 327-333.	1.8	22
168	Pharmacological modulation of the hyperpolarization-activated current (If) in human atrial myocytes: focus on G protein-coupled receptors. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 453-460.	0.9	20
169	Prenatal exposure to carbon monoxide temporarily impairs maturation of rat cardiomyocytes: Electrophysiological evidence. <i>Experimental and Clinical Cardiology</i> , 2005, 10, 165-9.	1.3	0
170	Prenatal Exposure to Carbon Monoxide Affects Postnatal Cellular Electrophysiological Maturation of the Rat Heart. <i>Circulation</i> , 2004, 109, 419-423.	1.6	26
171	Restoration of Cardiomyocyte Functional Properties by Angiotensin II Receptor Blockade in Diabetic Rats. <i>Diabetes</i> , 2004, 53, 1927-1933.	0.3	41
172	Angiotensin AT2 receptor: the younger sibling attracts attention. <i>Cardiovascular Research</i> , 2004, 62, 7-8.	1.8	1
173	Atrial natriuretic peptide modulates the hyperpolarization-activated current (If) in human atrial myocytes. <i>Cardiovascular Research</i> , 2004, 63, 528-536.	1.8	47
174	Treatment With Irbesartan Counteracts the Functional Remodeling of Ventricular Myocytes From Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 804-812.	0.8	20
175	733 A molecular basis for HCN channel over-expression. <i>European Heart Journal</i> , 2003, 24, 131.	1.0	4
176	P2728 Chronic exposure to endothelin-1 prolongs repolarization and hampers rapid delayed rectifier current of cardiac HL-1 cells. <i>European Heart Journal</i> , 2003, 24, 507.	1.0	0
177	Does Recombinant Human Interleukin-11 Exert Direct Electrophysiologic Effects on Single Human Atrial Myocytes?. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 39, 425-434.	0.8	12
178	SELECTIVITY OF DIFFERENT CALCIUM ANTAGONISTS ON T- AND L-TYPE CALCIUM CURRENTS IN GUINEA-PIG VENTRICULAR MYOCYTES. <i>Pharmacological Research</i> , 2002, 46, 491-497.	3.1	37
179	Functional expression of the hyperpolarization-activated, non-selective cation current If in immortalized HL-1 cardiomyocytes. <i>Journal of Physiology</i> , 2002, 545, 81-92.	1.3	76
180	The Properties of the Pacemaker Current If in Human Ventricular Myocytes are Modulated by Cardiac Disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2001, 33, 441-448.	0.9	121

#	ARTICLE	IF	CITATIONS
181	Myocardial remodeling and arrhythmogenesis in moderate cardiac hypertrophy in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H142-H150.	1.5	44
182	Long-term treatment of spontaneously hypertensive rats with losartan and electrophysiological remodeling of cardiac myocytes. <i>Cardiovascular Research</i> , 2000, 45, 388-396.	1.8	61
183	Local Anaesthetic, Antibacterial and Antifungal Properties of Sesquiterpenes from Myrrh. <i>Planta Medica</i> , 2000, 66, 356-358.	0.7	127
184	ISOLATED CARDIAC CELLS FOR ELECTROPHARMACOLOGICAL STUDIES. <i>Pharmacological Research</i> , 2000, 42, 1-8.	3.1	11
185	Electrophysiologic Effects of Lercanidipine on Repolarizing Potassium Currents. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 584-591.	0.8	3
186	Modulation of the pacemaker current I_f by β_2 -adrenoceptor subtypes in ventricular myocytes isolated from hypertensive and normotensive rats. <i>Cardiovascular Research</i> , 1999, 42, 121-129.	1.8	16
187	Influence of postnatal-development on I_f occurrence and properties in neonatal rat ventricular myocytes. <i>Cardiovascular Research</i> , 1999, 42, 416-423.	1.8	83
188	Effect of 5-HT ₄ receptor stimulation on the pacemaker current I_f in human isolated atrial myocytes. <i>Cardiovascular Research</i> , 1998, 40, 516-522.	1.8	83
189	Electrophysiologic Study of Lercanidipine and Its Enantiomers. <i>Journal of Cardiovascular Pharmacology</i> , 1997, 29, S1-S9.	0.8	5
190	Characteristics of L-type calcium channel blockade by lacidipine in guinea-pig ventricular myocytes. <i>British Journal of Pharmacology</i> , 1997, 120, 667-675.	2.7	15
191	The pacemaker current I_f in single human atrial myocytes and the effect of β_2 -adrenoceptor and A ₁ -adenosine receptor stimulation. <i>British Journal of Pharmacology</i> , 1997, 122, 963-969.	2.7	66
192	Protective effect of darodipine, a calcium antagonist, on rat cardiomyocytes against oxygen radical-mediated injury. <i>British Journal of Pharmacology</i> , 1997, 122, 1353-1360.	2.7	9
193	Characterization of the Hyperpolarization-Activated Current, I_{h} , in Ventricular Myocytes From Human Failing Heart. <i>Circulation</i> , 1997, 95, 568-571.	1.6	162
194	The effect of oxygen free radicals on calcium current and dihydropyridine binding sites in guinea-pig ventricular myocytes. <i>British Journal of Pharmacology</i> , 1996, 118, 1278-1284.	2.7	59
195	Calcium-Dependent Electrophysiological Alterations in Hypertrophied Rat Cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 425-429.	1.0	10
196	Occurrence and Properties of the Hyperpolarization-Activated Current I_{h} in Ventricular Myocytes From Normotensive and Hypertensive Rats During Aging. <i>Circulation</i> , 1996, 94, 1674-1681.	1.6	145
197	β_2 -Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study. <i>British Journal of Pharmacology</i> , 1995, 116, 1835-1842.	2.7	40
198	Cellular electrophysiological aspects of myocardial protection. <i>Pharmacological Research</i> , 1995, 31, 243-249.	3.1	2

#	ARTICLE	IF	CITATIONS
199	Cardiac electrophysiology of propionyl-L-carnitine. <i>Developments in Cardiovascular Medicine</i> , 1995, , 253-260.	0.1	0
200	Temperature modulates calcium homeostasis and ventricular arrhythmias in myocardial preparations. <i>Cardiovascular Research</i> , 1994, 28, 391-399.	1.8	23
201	Damage limitation of oxidative injury by the calcium antagonist darodipine: a patch clamp study in rat ventricular myocytes. <i>Pharmacological Research</i> , 1994, 30, 350-351.	3.1	1
202	Electrophysiological Basis for the Enhanced Cardiac Arrhythmogenic Effect of Isoprenaline in Aged Spontaneously Hypertensive Rats. <i>Journal of Molecular and Cellular Cardiology</i> , 1994, 26, 849-860.	0.9	31
203	Ionic basis of action potential prolongation of hypertrophied cardiac myocytes isolated from hypertensive rats of different ages. <i>Cardiovascular Research</i> , 1994, 28, 1180-1187.	1.8	156
204	Characterization of the hyperpolarization-activated current, I(f), in ventricular myocytes isolated from hypertensive rats.. <i>Journal of Physiology</i> , 1994, 481, 585-591.	1.3	122
205	Enhanced susceptibility to isoprenaline-induced automaticity in papillary muscle of aged spontaneously hypertensive rats. <i>Pharmacological Research</i> , 1992, 25, 115-116.	3.1	0
206	Prolonged propionyl-L-carnitine pre-treatment of rabbit: Biochemical, hemodynamic and electrophysiological effects on myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 1992, 24, 219-232.	0.9	33
207	β_1 - and β_2 -adrenoceptors in sheep cardiac ventricular muscle. <i>Journal of Molecular and Cellular Cardiology</i> , 1992, 24, 753-763.	0.9	38
208	Cardiac electrophysiological effects of a new dihydropyridine calcium antagonist (BBR 2160). <i>Pharmacological Research</i> , 1991, 23, 87-94.	3.1	2
209	Cellular electrophysiological basis for oxygen radical-induced arrhythmias. A patch-clamp study in guinea pig ventricular myocytes.. <i>Circulation</i> , 1991, 84, 1773-1782.	1.6	90
210	Cardiac Electrophysiologic Effects of a New Calcium Antagonist, Lacidipine. <i>Journal of Cardiovascular Pharmacology</i> , 1990, 15, 604-609.	0.8	13
211	Histamine and abnormal automaticity in barium- and strophanthidin-treated sheep Purkinje fibers. <i>Agents and Actions</i> , 1990, 31, 1-10.	0.7	7
212	Cardiac β_2 -adrenoceptors: Regulation and new electrophysiological findings. <i>Journal of the Autonomic Nervous System</i> , 1990, 30, S117-S121.	1.9	3
213	Effect of BBR 2160 on ica recorded from guinea-pig isolated myocytes. <i>Pharmacological Research</i> , 1990, 22, 121-122.	3.1	0
214	Electrophysiological characterization of cardiac β_2 -adrenoceptors in sheep Purkinje fibers. <i>Journal of Molecular and Cellular Cardiology</i> , 1990, 22, 859-870.	0.9	30
215	Survey of barium in Italian drinking water supplies. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1989, 43, 833-837.	1.3	6
216	Electropharmacological effects of a new dihydropyridine (BBR 2160) on guinea-pig papillary muscles and sheep purkinje fibres. <i>Pharmacological Research</i> , 1989, 21, 441-442.	3.1	3

#	ARTICLE	IF	CITATIONS
217	Antiarrhythmic properties of naloxone: an electrophysiological study on sheep cardiac Purkinje fibers. <i>European Journal of Pharmacology</i> , 1989, 162, 491-500.	1.7	13
218	The alpha subunit of the GTP binding protein activates muscarinic potassium channels of the atrium. <i>Science</i> , 1988, 240, 1782-1783.	6.0	62
219	Electrophysiological effects mediated by the stimulation of cardiac β_2 -adrenoceptors with tulobuterol. <i>Cardiovascular Drugs and Therapy</i> , 1987, 1, 101-107.	1.3	8
220	The role of temperature on the development of oscillatory afterpotentials and triggered activity. <i>Journal of Molecular and Cellular Cardiology</i> , 1986, 18, 1313-1316.	0.9	10
221	Electrophysiological mechanisms for the antiarrhythmic action of mexiletine on digitalisâ€, reperfusionâ€and reoxygenationâ€induced arrhythmias. <i>British Journal of Pharmacology</i> , 1985, 86, 805-815.	2.7	25
222	The Funny Current in Cardiac Non-Pacemaker Cells: Functional Role and Pharmacological Modulation. , 0, , .		3
223	PARADOXICAL PROLONGATION OF QT INTERVAL DURING EXERCISE IN PATIENTS WITH HCM: CELLULAR MECHANISMS AND IMPLICATIONS FOR DIASTOLIC FUNCTION. <i>European Heart Journal Open</i> , 0, , .	0.9	1