

Norbert Szentandrassy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,023
citations

18
h-index

30
g-index

54
ext. papers

1,192
ext. citations

4.6
avg, IF

3.34
L-index

#	Paper	IF	Citations
48	Asymmetrical distribution of ion channels in canine and human left-ventricular wall: epicardium versus midmyocardium. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 450, 307-16	4.6	94
47	A multiscale investigation of repolarization variability and its role in cardiac arrhythmogenesis. <i>Biophysical Journal</i> , 2011 , 101, 2892-902	2.9	84
46	Effects of SEA0400 and KB-R7943 on Na ⁺ /Ca ²⁺ exchange current and L-type Ca ²⁺ current in canine ventricular cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005 , 372, 63-70	3.4	83
45	Activation of transient receptor potential vanilloid-3 inhibits human hair growth. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 1605-14	4.3	77
44	Endocardial versus epicardial differences in L-type calcium current in canine ventricular myocytes studied by action potential voltage clamp. <i>Cardiovascular Research</i> , 2003 , 58, 66-75	9.9	63
43	Effects of terpenoid phenol derivatives on calcium current in canine and human ventricular cardiomyocytes. <i>European Journal of Pharmacology</i> , 2004 , 487, 29-36	5.3	44
42	Reverse rate dependency is an intrinsic property of canine cardiac preparations. <i>Cardiovascular Research</i> , 2009 , 84, 237-44	9.9	42
41	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, 315-23	11.8	40
40	Contribution of ion currents to beat-to-beat variability of action potential duration in canine ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1431-1443	4.6	32
39	Effects of thymol on calcium and potassium currents in canine and human ventricular cardiomyocytes. <i>British Journal of Pharmacology</i> , 2002 , 136, 330-8	8.6	31
38	Investigation of the role of TASK-2 channels in rat pulmonary arteries; pharmacological and functional studies following RNA interference procedures. <i>British Journal of Pharmacology</i> , 2006 , 147, 496-505	8.6	29
37	Frequency-dependent effects of omecamtiv mecarbil on cell shortening of isolated canine ventricular cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017 , 390, 1239-1246	3.4	24
36	Electrophysiological effects of risperidone in mammalian cardiac cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002 , 366, 350-6	3.4	24
35	Protein kinase A is activated by the n-3 polyunsaturated fatty acid eicosapentaenoic acid in rat ventricular muscle. <i>Journal of Physiology</i> , 2007 , 582, 349-58	3.9	23
34	The Na ⁺ /Ca ²⁺ exchange blocker SEA0400 fails to enhance cytosolic Ca ²⁺ transient and contractility in canine ventricular cardiomyocytes. <i>Cardiovascular Research</i> , 2008 , 78, 476-84	9.9	22
33	Effect of thymol on calcium handling in mammalian ventricular myocardium. <i>Life Sciences</i> , 2004 , 74, 909-8	8.8	21
32	Tetrodotoxin blocks L-type Ca ²⁺ channels in canine ventricular cardiomyocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 464, 167-74	4.6	19

31	Effect of thymol on kinetic properties of Ca and K currents in rat skeletal muscle. <i>BMC Pharmacology</i> , 2003 , 3, 9		18
30	Hypotonic stress influence the membrane potential and alter the proliferation of keratinocytes in vitro. <i>Experimental Dermatology</i> , 2007 , 16, 302-10	4	17
29	Effect of partial blockade of the Na(+)/Ca(2+)-exchanger on Ca(2+) handling in isolated rat ventricular myocytes. <i>European Journal of Pharmacology</i> , 2007 , 576, 1-6	5.3	17
28	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, 125-39 ^{5.8}		16
27	Action potential contour contributes to species differences in repolarization response to β adrenergic stimulation. <i>Europace</i> , 2018 , 20, 1543-1552	3.9	14
26	Contribution of I _{Ks} to ventricular repolarization in canine myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 698-706	4.6	14
25	Ca-activated Cl current is antiarrhythmic by reducing both spatial and temporal heterogeneity of cardiac repolarization. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 109, 27-37	5.8	13
24	Effects of the PKC inhibitors chelerythrine and bisindolylmaleimide I (GF 109203X) on delayed rectifier K ⁺ currents. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011 , 383, 141-8	3.4	13
23	Cytosolic calcium changes affect the incidence of early afterdepolarizations in canine ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 527-34	2.4	11
22	Efficacy of selective NCX inhibition by ORM-10103 during simulated ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2014 , 740, 539-51	5.3	11
21	Asynchronous activation of calcium and potassium currents by isoproterenol in canine ventricular myocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014 , 387, 457-67	3.4	10
20	Late sodium current in human, canine and guinea pig ventricular myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 139, 14-23	5.8	9
19	Tetrodotoxin blockade on canine cardiac L-type Ca ²⁺ channels depends on pH and redox potential. <i>Marine Drugs</i> , 2013 , 11, 2140-53	6	9
18	Transient receptor potential melastatin 4 channel inhibitor 9-phenanthrol inhibits K but not Ca currents in canine ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018 , 96, 1022-41029 ⁹		
17	9-Anthracene carboxylic acid is more suitable than DIDS for characterization of calcium-activated chloride current during canine ventricular action potential. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 87-100	3.4	8
16	Effects of ropinirole on action potential characteristics and the underlying ion currents in canine ventricular myocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010 , 382, 213-20	3.4	8
15	SEA0400 fails to alter the magnitude of intracellular Ca ²⁺ transients and contractions in Langendorff-perfused guinea pig heart. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 378, 65-71	3.4	7
14	Effects of norfluoxetine on the action potential and transmembrane ion currents in canine ventricular cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 203-10	3.4	7

13	Time Course of Low-Frequency Oscillatory Behavior in Human Ventricular Repolarization Following Enhanced Sympathetic Activity and Relation to Arrhythmogenesis. <i>Frontiers in Physiology</i> , 2019 , 10, 1547-1557	4.6	6
12	Effects of tacrolimus on action potential configuration and transmembrane ion currents in canine ventricular cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013 , 386, 239-46	3.4	6
11	Ion current profiles in canine ventricular myocytes obtained by the "onion peeling" technique. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 158, 153-162	5.8	6
10	Effects of pioglitazone on cardiac ion currents and action potential morphology in canine ventricular myocytes. <i>European Journal of Pharmacology</i> , 2013 , 710, 10-9	5.3	5
9	Oxidative shift in tissue redox potential increases beat-to-beat variability of action potential duration. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 563-8	2.4	5
8	Effects of articaine and ropivacaine on calcium handling and contractility in canine ventricular myocardium. <i>European Journal of Anaesthesiology</i> , 2010 , 27, 153-61	2.3	5
7	Effects of the antiarrhythmic agent EGIS-7229 (S 21407) on calcium and potassium currents in canine ventricular cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2001 , 363, 604-11	3.4	5
6	Mexiletine-like cellular electrophysiological effects of GS967 in canine ventricular myocardium. <i>Scientific Reports</i> , 2021 , 11, 9565	4.9	4
5	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, 309-13	2.1	3
4	Blockade of sodium-calcium exchanger via ORM-10962 attenuates cardiac alternans. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 153, 111-122	5.8	3
3	Canine Myocytes Represent a Good Model for Human Ventricular Cells Regarding Their Electrophysiological Properties. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	3
2	Pharmacological Modulation and (Patho)Physiological Roles of TRPM4 Channel-Part 2: TRPM4 in Health and Disease.. <i>Pharmaceuticals</i> , 2021 , 15,	5.2	1
1	Exploring the Coordination of Cardiac Ion Channels With Action Potential Clamp Technique.. <i>Frontiers in Physiology</i> , 2022 , 13, 864002	4.6	