

# Norbert Szentandrás

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,341  
citations

361413

20  
h-index

377865

34  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetrical distribution of ion channels in canine and human left-ventricular wall: epicardium versus midmyocardium. Pflugers Archiv European Journal of Physiology, 2005, 450, 307-316.	2.8	118
2	A Multiscale Investigation of Repolarization Variability and Its Role in Cardiac Arrhythmogenesis. Biophysical Journal, 2011, 101, 2892-2902.	0.5	102
3	Activation of Transient Receptor Potential Vanilloid-3 Inhibits Human Hair Growth. Journal of Investigative Dermatology, 2011, 131, 1605-1614.	0.7	101
4	Effects of SEA0400 and KB-R7943 on Na <sup>+</sup> /Ca <sup>2+</sup> exchange current and L-type Ca <sup>2+</sup> current in canine ventricular cardiomyocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2005, 372, 63-70.	3.0	97
5	Endocardial versus epicardial differences in L-type calcium current in canine ventricular myocytes studied by action potential voltage clamp. Cardiovascular Research, 2003, 58, 66-75.	3.8	78
6	Effects of terpenoid phenol derivatives on calcium current in canine and human ventricular cardiomyocytes. European Journal of Pharmacology, 2004, 487, 29-36.	3.5	58
7	Reverse rate dependency is an intrinsic property of canine cardiac preparations. Cardiovascular Research, 2009, 84, 237-244.	3.8	54
8	Reverse rate-dependent changes are determined by baseline action potential duration in mammalian and human ventricular preparations. Basic Research in Cardiology, 2010, 105, 315-323.	5.9	51
9	Contribution of ion currents to beat-to-beat variability of action potential duration in canine ventricular myocytes. Pflugers Archiv European Journal of Physiology, 2015, 467, 1431-1443.	2.8	40
10	Effects of thymol on calcium and potassium currents in canine and human ventricular cardiomyocytes. British Journal of Pharmacology, 2002, 136, 330-338.	5.4	39
11	Investigation of the role of TASK-2 channels in rat pulmonary arteries; pharmacological and functional studies following RNA interference procedures. British Journal of Pharmacology, 2006, 147, 496-505.	5.4	33
12	Frequency-dependent effects of omecamtiv mecarbil on cell shortening of isolated canine ventricular cardiomyocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 1239-1246.	3.0	33
13	Electrophysiological effects of risperidone in mammalian cardiac cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 366, 350-356.	3.0	28
14	Protein kinase A is activated by then-3 polyunsaturated fatty acid eicosapentaenoic acid in rat ventricular muscle. Journal of Physiology, 2007, 582, 349-358.	2.9	27
15	The Na <sup>+</sup> /Ca <sup>2+</sup> exchange blocker SEA0400 fails to enhance cytosolic Ca <sup>2+</sup> transient and contractility in canine ventricular cardiomyocytes. Cardiovascular Research, 2008, 78, 476-484.	3.8	27
16	Effect of thymol on calcium handling in mammalian ventricular myocardium. Life Sciences, 2004, 74, 909-921.	4.3	25
17	Effect of partial blockade of the Na <sup>+</sup> /Ca <sup>2+</sup> -exchanger on Ca <sup>2+</sup> handling in isolated rat ventricular myocytes. European Journal of Pharmacology, 2007, 576, 1-6.	3.5	22
18	Action potential contour contributes to species differences in repolarization response to $\hat{I}^2$ -adrenergic stimulation. Europace, 2018, 20, 1543-1552.	1.7	22

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19	Hypotonic stress influence the membrane potential and alter the proliferation of keratinocytes in vitro. <i>Experimental Dermatology</i> , 2007, 16, 302-310.	2.9	21
20	Tetrodotoxin blocks L-type Ca <sup>2+</sup> channels in canine ventricular cardiomyocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 464, 167-174.	2.8	21
21	Effect of thymol on kinetic properties of Ca and K currents in rat skeletal muscle. <i>BMC Pharmacology</i> , 2003, 3, 9.	0.4	20
22	Sarcolemmal Ca <sup>2+</sup> -entry through L-type Ca <sup>2+</sup> channels controls the profile of Ca <sup>2+</sup> -activated Cl <sup>-</sup> current in canine ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 125-139.	1.9	20
23	Late sodium current in human, canine and guinea pig ventricular myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 139, 14-23.	1.9	20
24	Transient receptor potential melastatin 4 channel inhibitor 9-phenanthrol inhibits K <sup>+</sup> but not Ca <sup>2+</sup> currents in canine ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1022-1029.	1.4	19
25	Ca <sup>2+</sup> -activated Cl <sup>-</sup> 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.	1.9	18
26	Contribution of I <sub>Ks</sub> to ventricular repolarization in canine myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2006, 452, 698-706.	2.8	17
27	Effects of the PKC inhibitors chelerythrine and bisindolylmaleimide I (GF 109203X) on delayed rectifier K <sup>+</sup> currents. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 141-148.	3.0	16
28	Asynchronous activation of calcium and potassium currents by isoproterenol in canine ventricular myocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 457-467.	3.0	15
29	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.	2.8	14
30	Efficacy of selective NCX inhibition by ORM-10103 during simulated ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2014, 740, 539-551.	3.5	13
31	Cytosolic calcium changes affect the incidence of early afterdepolarizations in canine ventricular myocytes. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 527-534.	1.4	13
32	Therapeutic Approaches of Ryanodine Receptor-Associated Heart Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4435.	4.1	13
33	Canine Myocytes Represent a Good Model for Human Ventricular Cells Regarding Their Electrophysiological Properties. <i>Pharmaceuticals</i> , 2021, 14, 748.	3.8	12
34	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.	1.9	11
35	Tetrodotoxin Blockade on Canine Cardiac L-Type Ca <sup>2+</sup> Channels Depends on pH and Redox Potential. <i>Marine Drugs</i> , 2013, 11, 2140-2153.	4.6	10
36	SEA0400 fails to alter the magnitude of intracellular Ca <sup>2+</sup> transients and contractions in Langendorff-perfused guinea pig heart. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 378, 65-71.	3.0	9

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37	9â€“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.	3.0	9
38	Blockade of sodiumâ€“calcium exchanger via ORM-10962 attenuates cardiac alternans. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 153, 111-122.	1.9	9
39	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.	3.0	8
40	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, 213-220.	3.0	8
41	Mexiletine-like cellular electrophysiological effects of GS967 in canine ventricular myocardium. <i>Scientific Reports</i> , 2021, 11, 9565.	3.3	8
42	Electrophysiological Effects of the Transient Receptor Potential Melastatin 4 Channel Inhibitor (4-Chloro-2-(2-chlorophenoxy)acetamido) Benzoic Acid (CBA) in Canine Left Ventricular Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9499.	4.1	8
43	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, 563-568.	1.4	7
44	Effects of articaine and ropivacaine on calcium handling and contractility in canine ventricular myocardium. <i>European Journal of Anaesthesiology</i> , 2010, 27, 153-161.	1.7	6
45	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, 239-246.	3.0	6
46	Effects of pioglitazone on cardiac ion currents and action potential morphology in canine ventricular myocytes. <i>European Journal of Pharmacology</i> , 2013, 710, 10-19.	3.5	6
47	Pharmacological Modulation and (Patho)Physiological Roles of TRPM4 Channelâ€“Part 2: TRPM4 in Health and Disease. <i>Pharmaceuticals</i> , 2022, 15, 40.	3.8	6
48	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, 604-611.	3.0	5
49	Late Sodium Current of the Heart: Where Do We Stand and Where Are We Going?. <i>Pharmaceuticals</i> , 2022, 15, 231.	3.8	5
50	Late Na <sup>+</sup> Current Is [Ca <sup>2+</sup> ] <sub>i</sub> -Dependent in Canine Ventricular Myocytes. <i>Pharmaceuticals</i> , 2021, 14, 1142.	3.8	4
51	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.	0.9	3
52	Astaxanthin Exerts Anabolic Effects via Pleiotropic Modulation of the Excitable Tissue. <i>International Journal of Molecular Sciences</i> , 2022, 23, 917.	4.1	2
53	Pharmacological Modulation and (Patho)Physiological Roles of TRPM4 Channelâ€“Part 1: Modulation of TRPM4. <i>Pharmaceuticals</i> , 2022, 15, 81.	3.8	2
54	Exploring the Coordination of Cardiac Ion Channels With Action Potential Clamp Technique. <i>Frontiers in Physiology</i> , 2022, 13, 864002.	2.8	2