

Ian Findlay

List of Publications by Year in Descending Order

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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.

50
papers

2,998
citations

27
h-index

54
g-index

54
ext. papers

3,208
ext. citations

5
avg. IF

4.91
L-index

#	Paper	IF	Citations
50	Automatic Activity Arising in Cardiac Muscle Sleeves of the Pulmonary Vein.. <i>Biomolecules</i> , 2021 , 12,	5.9	1
49	Selective inhibition of electrical conduction within the pulmonary veins by β -adrenergic receptors activation in the Rat. <i>Scientific Reports</i> , 2020 , 10, 5390	4.9	2
48	A TTX-sensitive resting Na ⁺ permeability contributes to the catecholaminergic automatic activity in rat pulmonary vein. <i>Journal of Cardiovascular Electrophysiology</i> , 2015 , 26, 311-9	2.7	17
47	ANO1 contributes to angiotensin-II-activated Ca ²⁺ -dependent Cl ⁻ current in human atrial fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 68, 12-9	5.8	12
46	The β -subunit of Na(v)1.5 cardiac sodium channel is required for a dominant negative effect through β interaction. <i>PLoS ONE</i> , 2012 , 7, e48690	3.7	25
45	Inwardly rectifying potassium channels: their structure, function, and physiological roles. <i>Physiological Reviews</i> , 2010 , 90, 291-366	47.9	990
44	Catecholaminergic automatic activity in the rat pulmonary vein: electrophysiological differences between cardiac muscle in the left atrium and pulmonary vein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H102-8	5.2	37
43	Physiological modulation of voltage-dependent inactivation in the cardiac muscle L-type calcium channel: a modelling study. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 96, 482-98	4.7	18
42	In silico risk assessment for drug-induction of cardiac arrhythmia. <i>Progress in Biophysics and Molecular Biology</i> , 2008 , 98, 52-60	4.7	15
41	Microstructure-based Monte Carlo simulation of Ca ²⁺ dynamics evoking cardiac calcium channel inactivation. <i>Journal of Physiological Sciences</i> , 2008 , 58, 471-80	2.3	
40	Ectopic activity in the rat pulmonary vein can arise from simultaneous activation of alpha1- and beta1-adrenoceptors. <i>British Journal of Pharmacology</i> , 2007 , 150, 899-905	8.6	32
39	Contractile and relaxant properties of rat-isolated pulmonary veins related to localization and histology. <i>Fundamental and Clinical Pharmacology</i> , 2007 , 21, 55-65	3.1	9
38	Physiological modulation of inactivation in L-type Ca ²⁺ channels: one switch. <i>Journal of Physiology</i> , 2004 , 554, 275-83	3.9	57
37	Is there an A-type K ⁺ current in guinea pig ventricular myocytes?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H598-604	5.2	15
36	Low-voltage triggering of Ca ²⁺ release from the sarcoplasmic reticulum in cardiac muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C1544-52	5.4	3
35	Intracellular Cs ⁺ activates the PKA pathway, revealing a fast, reversible, Ca ²⁺ -dependent inactivation of L-type Ca ²⁺ current. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C310-8	5.4	21
34	Voltage- and cation-dependent inactivation of L-type Ca ²⁺ channel currents in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 541, 731-40	3.9	30

33	beta-Adrenergic stimulation modulates Ca ²⁺ and voltage-dependent inactivation of L-type Ca ²⁺ channel currents in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 541, 741-51	3.9	31
32	Beta-adrenergic and muscarinic agonists modulate inactivation of L-type Ca ²⁺ channel currents in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 545, 375-88	3.9	15
31	Voltage-dependent inactivation of L-type Ca ²⁺ currents in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 545, 389-97	3.9	15
30	Extracellular links in Kir subunits control the unitary conductance of SUR/Kir6.0 ion channels. <i>EMBO Journal</i> , 1999 , 18, 3317-24	13	31
29	Pharmacological regulation of the cardiac ATP-sensitive K ⁺ channel. <i>Developments in Cardiovascular Medicine</i> , 1996 , 305-312		
28	Dualistic behavior of ATP-sensitive K ⁺ channels toward intracellular nucleoside diphosphates. <i>Neuron</i> , 1994 , 12, 1049-58	13.9	67
27	The ATP sensitive potassium channel of cardiac muscle and action potential shortening during metabolic stress. <i>Cardiovascular Research</i> , 1994 , 28, 760-1	9.9	23
26	Interactive Regulation of the ATP-Sensitive Potassium Channel of Cardiac Muscle. <i>Journal of Cardiovascular Pharmacology</i> , 1994 , 24, S6-S11	3.1	33
25	Effects of glibenclamide upon ATP-sensitive K channels during metabolic inhibition of isolated rat cardiac myocytes. <i>Cardiovascular Drugs and Therapy</i> , 1993 , 7 Suppl 3, 495-7	3.9	5
24	Molecular cloning, functional expression and localization of an inward rectifier potassium channel in the mouse brain. <i>FEBS Letters</i> , 1993 , 336, 375-80	3.8	66
23	Activation of ATP-sensitive K channels by a K channel opener (SR 44866) and the effect upon electrical and mechanical activity of frog skeletal muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1991 , 418, 261-5	4.6	23
22	ATP-sensitive K channels in heart muscle. Spare channels. <i>FEBS Letters</i> , 1991 , 279, 95-7	3.8	49
21	Action potential duration and activation of ATP-sensitive potassium current in isolated guinea-pig ventricular myocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1029, 167-72	3.8	83
20	Calcium currents in insulin-secreting beta-cells. <i>Annals of the New York Academy of Sciences</i> , 1989 , 560, 403-9	6.5	17
19	Effects of tolbutamide, glibenclamide and diazoxide upon action potentials recorded from rat ventricular muscle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989 , 984, 1-5	3.8	69
18	Effects of pyridine nucleotides on the gating of ATP-sensitive potassium channels in insulin-secreting cells. <i>Journal of Membrane Biology</i> , 1988 , 102, 205-16	2.3	53
17	Effects of ADP upon the ATP-sensitive K ⁺ channel in rat ventricular myocytes. <i>Journal of Membrane Biology</i> , 1988 , 101, 83-92	2.3	93
16	ATP ⁴⁻ and ATP.Mg inhibit the ATP-sensitive K ⁺ channel of rat ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1988 , 412, 37-41	4.6	82

15	Calcium-dependent inactivation of the ATP-sensitive K ⁺ channel of rat ventricular myocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988 , 943, 297-304	3.8	42
14	ATP-sensitive K ⁺ channels in rat ventricular myocytes are blocked and inactivated by internal divalent cations. <i>Pflugers Archiv European Journal of Physiology</i> , 1987 , 410, 313-20	4.6	102
13	ATP maintains ATP-inhibited K ⁺ channels in an operational state. <i>Pflugers Archiv European Journal of Physiology</i> , 1986 , 407, 238-40	4.6	119
12	ATP-sensitive K ⁺ channels in an insulin-secreting cell line are inhibited by D-glyceraldehyde and activated by membrane permeabilization. <i>Journal of Membrane Biology</i> , 1986 , 93, 271-9	2.3	70
11	Acetylcholine stimulates a Ca ²⁺ -dependent C1- conductance in mouse lacrimal acinar cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1985 , 403, 328-30	4.6	96
10	ATP-sensitive inward rectifier and voltage- and calcium-activated K ⁺ channels in cultured pancreatic islet cells. <i>Journal of Membrane Biology</i> , 1985 , 88, 165-72	2.3	138
9	High-conductance K ⁺ channel in pancreatic islet cells can be activated and inactivated by internal calcium. <i>Journal of Membrane Biology</i> , 1985 , 83, 169-75	2.3	136
8	Quinine inhibits Ca ²⁺ -independent K ⁺ channels whereas tetraethylammonium inhibits Ca ²⁺ -activated K ⁺ channels in insulin-secreting cells. <i>FEBS Letters</i> , 1985 , 185, 4-8	3.8	114
7	Voltage-activated Ca ²⁺ currents in insulin-secreting cells. <i>FEBS Letters</i> , 1985 , 189, 281-5	3.8	51
6	Short and reversible uncoupling evokes little change in the gap junctions of pancreatic acinar cells. <i>Journal of Ultrastructure Research</i> , 1983 , 83, 69-84		28
5	Effects of CO ₂ , acetylcholine and caerulein in ⁴⁵ Ca efflux from isolated mouse pancreatic fragments. <i>Pflugers Archiv European Journal of Physiology</i> , 1981 , 392, 163-7	4.6	4
4	The incidence of autotomy in an estuarine population of the crab <i>Carcinus maenas</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1979 , 59, 341-354	1.1	30
3	The role of the cuticular stress detector, CSD1 in locomotion and limb autotomy in the crab <i>Carcinus maenas</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1978 , 125, 79-90	2.3	7
2	The Nervous Control of Limb Autotomy in the Hermit Crab <i>Pagurus Bernhardus</i> (L.) and the Role of the Cuticular Stress Detector, CSD1. <i>Journal of Experimental Biology</i> , 1977 , 70, 93-104	3	10
1	Autotomy in <i>Carcinus maenas</i> : The role of the basi-ischiopodite posterior levator muscles. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1976 , 110, 367-381	2.3	12