Ian Findlay

List of Publications by Year in descending order

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54 papers	3,520 citations	185998 28 h-index	197535 49 g-index
54 all docs	54 docs citations	54 times ranked	2831 citing authors

#	Article	IF	Citations
1	Inwardly Rectifying Potassium Channels: Their Structure, Function, and Physiological Roles. Physiological Reviews, 2010, 90, 291-366.	13.1	1,272
2	ATP-sensitive inward rectifier and voltage- and calcium-activated K+ channels in cultured pancreatic islet cells. Journal of Membrane Biology, 1985, 88, 165-172.	1.0	146
3	High-conductance K+ channel in pancreatic islet cells can be activated and inactivated by internal calcium. Journal of Membrane Biology, 1985, 83, 169-175.	1.0	143
4	ATP maintains ATP-inhibited K+ channels in an operational state. Pflugers Archiv European Journal of Physiology, 1986, 407, 238-240.	1.3	133
5	Quinine inhibits Ca2+ -independent K+ channels whereas tetraethylammonium inhibits Ca2+ -activated K+ channels in insulin-secreting cells. FEBS Letters, 1985, 185, 4-8.	1.3	125
6	ATP-sensitive K+ channels in rat ventricular myocytes are blocked and inactivated by internal divalent cations. Pflugers Archiv European Journal of Physiology, 1987, 410, 313-320.	1.3	123
7	Acetylcholine stimulates a Ca2+-dependent Cl? conductance in mouse lacrimal acinar cells. Pflugers Archiv European Journal of Physiology, 1985, 403, 328-330.	1.3	105
8	Action potential duration and activation of ATP-sensitive potassium current in isolated guinea-pig ventricular myocytes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1029, 167-172.	1.4	104
9	Effects of ADP upon the ATP-sensitive K+ channel in rat ventricular myocytes. Journal of Membrane Biology, 1988, 101, 83-92.	1.0	103
10	ATP4â^' and ATPÂ·Mg inhibit the ATP-sensitive K+ channel of rat ventricular myocytes. Pflugers Archiv European Journal of Physiology, 1988, 412, 37-41.	1.3	94
11	Effects of tolbutamide, glibenclamide and diazoxide upon action potentials recorded from rat ventricular muscle. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 1-5.	1.4	86
12	ATP-sensitive K+ channels in an insulin-secreting cell line are inhibited byd-glyceraldehyde and activated by membrane permeabilization. Journal of Membrane Biology, 1986, 93, 271-279.	1.0	71
13	Dualistic behavior of ATP-sensitive K+ channels toward intracellular nucleoside diphosphates. Neuron, 1994, 12, 1049-1058.	3.8	69
14	Molecular cloning, functional expression and localization of an inward rectifier potassium channel in the mouse brain. FEBS Letters, 1993, 336, 375-380.	1.3	67
15	Physiological modulation of inactivation in L-type Ca2+channels: one switch. Journal of Physiology, 2004, 554, 275-283.	1.3	63
16	ATP-sensitive K channels in heart muscle Spare channels. FEBS Letters, 1991, 279, 95-97.	1.3	60
17	Effects of pyridine nucleotides on the gating of ATP-sensitive potassium channels in insulin-secreting cells. Journal of Membrane Biology, 1988, 102, 205-216.	1.0	55
18	Voltage-activated Ca2+ currents in insulin-secreting cells. FEBS Letters, 1985, 189, 281-285.	1.3	52

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19	Calcium-dependent inactivation of the ATP-sensitive K+ channel of rat ventricular myocytes. Biochimica Et Biophysica Acta - Biomembranes, 1988, 943, 297-304.	1.4	46
20	Catecholaminergic automatic activity in the rat pulmonary vein: electrophysiological differences between cardiac muscle in the left atrium and pulmonary vein. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H102-H108.	1.5	41
21	The incidence of autotomy in an estuarine population of the crabCarcinus maenas. Journal of the Marine Biological Association of the United Kingdom, 1979, 59, 341-354.	0.4	39
22	Extracellular links in Kir subunits control the unitary conductance of SUR/Kir6.0 ion channels. EMBO Journal, 1999, 18, 3317-3324.	3.5	37
23	Interactive Regulation of the ATP-Sensitive Potassium Channel of Cardiac Muscle. Journal of Cardiovascular Pharmacology, 1994, 24, S6-S11.	0.8	35
24	Ectopic activity in the rat pulmonary vein can arise from simultaneous activation of Î± 1 - and Î² 1 -adrenoceptors. British Journal of Pharmacology, 2007, 150, 899-905.	2.7	35
25	Voltageâ€•and cationâ€dependent inactivation of Lâ€type Ca 2+ channel currents in guineaâ€pig ventricular myocytes. Journal of Physiology, 2002, 541, 731-740.	1.3	34
26	Short and reversible uncoupling evokes little change in the gap junctions of pancreatic acinar cells. Journal of Ultrastructure Research, 1983, 83, 69-84.	1.4	33
27	Î²â€Adrenergic stimulation modulates Ca 2+ â€•and voltageâ€dependent inactivation of Lâ€type Ca 2+ channel currents in guineaâ€pig ventricular myocytes. Journal of Physiology, 2002, 541, 741-751.	1.3	32
28	The Î²1-Subunit of Nav1.5 Cardiac Sodium Channel Is Required for a Dominant Negative Effect through Î±-Î± Interaction. PLoS ONE, 2012, 7, e48690.	1.1	29
29	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. Pflugers Archiv European Journal of Physiology, 1991, 418, 261-265.	1.3	26
30	The ATP sensitive potassium channel of cardiac muscle and action potential shortening during metabolic stress. Cardiovascular Research, 1994, 28, 760-761.	1.8	26
31	Physiological modulation of voltage-dependent inactivation in the cardiac muscle L-type calcium channel: A modelling study. Progress in Biophysics and Molecular Biology, 2008, 96, 482-498.	1.4	22
32	Intracellular Cs⁺activates the PKA pathway, revealing a fast, reversible, Ca²⁺-dependent inactivation of L-type Ca²⁺current. American Journal of Physiology - Cell Physiology, 2003, 285, C310-C318.	2.1	21
33	A TTXâ€Sensitive Resting Na⁺ Permeability Contributes to the Catecholaminergic Automatic Activity in Rat Pulmonary Vein. Journal of Cardiovascular Electrophysiology, 2015, 26, 311-319.	0.8	20
34	Calcium Currents in Insulin-Secreting ?-Cells. Annals of the New York Academy of Sciences, 1989, 560, 403-409.	1.8	19
35	Is there an A-type K⁺ current in guinea pig ventricular myocytes?. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H598-H604.	1.5	17
36	In silico risk assessment for drug-induction of cardiac arrhythmia. Progress in Biophysics and Molecular Biology, 2008, 98, 52-60.	1.4	17

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37	Î²â€adrenergic and muscarinic agonists modulate inactivation of lâ€type ca 2+ Channel Currents in Guineaâ€Pig Ventricular Myocytes. Journal of Physiology, 2002, 545, 375-388.	1.3	16
38	Voltageâ€dependent inactivation of lâ€type ca 2+ Currents in Guineaâ€Pig Ventricular Myocytes. Journal of Physiology, 2002, 545, 389-397.	1.3	16
39	ANO1 contributes to Angiotensin-II-activated Ca2+-dependent Clâ¯ current in human atrial fibroblasts. Journal of Molecular and Cellular Cardiology, 2014, 68, 12-19.	0.9	15
40	Autotomy inCarcinus maenas: The role of the basi-ischiopodite posterior levator muscles. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1976, 110, 367-381.	0.7	13
41	The Nervous Control of Limb Autotomy in the Hermit Crab Pagurus Bernhardus (L.) and the Role of the Cuticular Stress Detector, CSD1. Journal of Experimental Biology, 1977, 70, 93-104.	0.8	13
42	The role of the cuticular stress detector, CSD1 in locomotion and limb autotomy in the crabCardnus maenas. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1978, 125, 79-90.	0.7	10
43	Contractile and relaxant properties of rat-isolated pulmonary veins related to localization and histology. Fundamental and Clinical Pharmacology, 2007, 21, 55-65.	1.0	9
44	Spiky: An ImageJ Plugin for Data Analysis of Functional Cardiac and Cardiomyocyte Studies. Journal of Imaging, 2022, 8, 95.	1.7	7
45	Effects of glibenclamide upon ATP-sensitive K channels during metabolic inhibition of isolated rat cardiac myocytes. Cardiovascular Drugs and Therapy, 1993, 7, 495-497.	1.3	6
46	Effects of CO2, acetylcholine and caerulein on45Ca efflux from isolated mouse pancreatic fragments. Pflugers Archiv European Journal of Physiology, 1981, 392, 163-167.	1.3	4
47	Low-voltage triggering of Ca²⁺ release from the sarcoplasmic reticulum in cardiac muscle cells. American Journal of Physiology - Cell Physiology, 2003, 285, C1544-C1552.	2.1	4
48	Automatic Activity Arising in Cardiac Muscle Sleeves of the Pulmonary Vein. Biomolecules, 2022, 12, 23.	1.8	4
49	Selective inhibition of electrical conduction within the pulmonary veins by Î±1-adrenergic receptors activation in the Rat. Scientific Reports, 2020, 10, 5390.	1.6	3
50	A simulation study of voltage-dependent inactivation in the cardiac L-type calcium channel. Journal of Molecular and Cellular Cardiology, 2007, 42, S20.	0.9	0
51	Monte Carlo simulation of Ca2+ influx through L-type calcium channel in Cardiac Myocytes. Journal of Molecular and Cellular Cardiology, 2008, 45, S31.	0.9	0
52	Microstructure-Based Monte Carlo Simulation of Ca2+ Dynamics Evoking Cardiac Calcium Channel Inactivation. Journal of Physiological Sciences, 2008, 58, 471-480.	0.9	0
53	The Î²1-Subunit of NaV1.5 Cardiac Sodium Channel is required for a Dominant Negative Effect through Î±-Î± Interaction. Biophysical Journal, 2013, 104, 133a.	0.2	0
54	Pharmacological regulation of the cardiac ATP-sensitive K+ channel. Developments in Cardiovascular Medicine, 1996, , 305-312.	0.1	0