

Ian Findlay

List of Publications by Citations

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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 | Inwardly rectifying potassium channels: their structure, function, and physiological roles. <i>Physiological Reviews</i> , 2010 , 90, 291-366 | 47.9 | 990 |
| 49 | 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 |
| 48 | 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 |
| 47 | ATP maintains ATP-inhibited K ⁺ channels in an operational state. <i>Pflügers Archiv European Journal of Physiology</i> , 1986 , 407, 238-40 | 4.6 | 119 |
| 46 | 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 |
| 45 | ATP-sensitive K ⁺ channels in rat ventricular myocytes are blocked and inactivated by internal divalent cations. <i>Pflügers Archiv European Journal of Physiology</i> , 1987 , 410, 313-20 | 4.6 | 102 |
| 44 | Acetylcholine stimulates a Ca ²⁺ -dependent Cl ⁻ conductance in mouse lacrimal acinar cells. <i>Pflügers Archiv European Journal of Physiology</i> , 1985 , 403, 328-30 | 4.6 | 96 |
| 43 | 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 |
| 42 | 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 |
| 41 | ATP ⁴⁻ and ATP.Mg inhibit the ATP-sensitive K ⁺ channel of rat ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1988 , 412, 37-41 | 4.6 | 82 |
| 40 | 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 |
| 39 | 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 |
| 38 | Dualistic behavior of ATP-sensitive K ⁺ channels toward intracellular nucleoside diphosphates. <i>Neuron</i> , 1994 , 12, 1049-58 | 13.9 | 67 |
| 37 | 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 |
| 36 | Physiological modulation of inactivation in L-type Ca ²⁺ channels: one switch. <i>Journal of Physiology</i> , 2004 , 554, 275-83 | 3.9 | 57 |
| 35 | 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 |
| 34 | Voltage-activated Ca ²⁺ currents in insulin-secreting cells. <i>FEBS Letters</i> , 1985 , 189, 281-5 | 3.8 | 51 |

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| 33 | ATP-sensitive K channels in heart muscle. Spare channels. <i>FEBS Letters</i> , 1991 , 279, 95-7 | 3.8 | 49 |
| 32 | 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 |
| 31 | 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 |
| 30 | Interactive Regulation of the ATP-Sensitive Potassium Channel of Cardiac Muscle. <i>Journal of Cardiovascular Pharmacology</i> , 1994 , 24, S6-S11 | 3.1 | 33 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Calcium currents in insulin-secreting beta-cells. <i>Annals of the New York Academy of Sciences</i> , 1989 , 560, 403-9 | 6.5 | 17 |
| 16 | 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 |

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|----|--|-----|----|
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | The role of the cuticular stress detector, CSD1 in locomotion and limb autotomy in the crab <i>Cardnus maenas</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1978 , 125, 79-90 | 2.3 | 7 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Automatic Activity Arising in Cardiac Muscle Sleeves of the Pulmonary Vein.. <i>Biomolecules</i> , 2021 , 12, | 5.9 | 1 |
| 2 | 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 | |
| 1 | Pharmacological regulation of the cardiac ATP-sensitive K ⁺ channel. <i>Developments in Cardiovascular Medicine</i> , 1996 , 305-312 | | |