Tim J C Jacob

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	1,710 citations	218677 26 h-index	289244 40 g-index
60 all docs	60 docs citations	60 times ranked	1223 citing authors

#	Article	IF	Citations
1	Starvation-induced autophagy is up-regulated via ROS-mediated ClC-3 chloride channel activation in the nasopharyngeal carcinoma cell line CNE-2Z. Biochemical Journal, 2019, 476, 1323-1333.	3.7	7
2	The apoptotic effect of Zoledronic acid on the nasopharyngeal carcinoma cells via <scp>ROS</scp> mediated chloride channel activation. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 1019-1027.	1.9	13
3	Effect of lidocaine on olfactory perception in humans. International Journal of Applied & Basic Medical Research, 2018, 8, 164.	0.5	1
4	Estradiol activates chloride channels via estrogen receptor-Î± in the cell membranes of osteoblasts. American Journal of Physiology - Cell Physiology, 2017, 313, C162-C172.	4.6	32
5	Light and smell stimulus protocol reduced negative frontal EEG asymmetry and improved mood. Open Life Sciences, 2017, 12, 51-61.	1.4	7
6	ClC-3 Chloride Channel Proteins Regulate the Cell Cycle by Up-regulating cyclin D1-CDK4/6 through Suppressing p21/p27 Expression in Nasopharyngeal Carcinoma Cells. Scientific Reports, 2016, 6, 30276.	3.3	34
7	Combined non-adaptive light and smell stimuli lowered blood pressure, reduced heart rate and reduced negative affect. Physiology and Behavior, 2016, 156, 94-105.	2.1	23
8	Ethanol Promotes Cell Migration via Activation of Chloride Channels in Nasopharyngeal Carcinoma Cells. Alcoholism: Clinical and Experimental Research, 2015, 39, 1341-1351.	2.4	5
9	Effects and after-effects of chewing gum on vigilance, heart rate, EEG and mood. Physiology and Behavior, 2014, 133, 244-251.	2.1	29
10	Burst firing versus synchrony in a gap junction connected olfactory bulb mitral cell network model. Frontiers in Computational Neuroscience, 2012, 6, 75.	2.1	7
11	ClCâ€3 is a main component of background chloride channels activated under isotonic conditions by autocrine ATP in nasopharyngeal carcinoma cells. Journal of Cellular Physiology, 2011, 226, 2516-2526.	4.1	23
12	Volume-activated chloride channels contribute to cell-cycle-dependent regulation of HeLa cell migration. Biochemical Pharmacology, 2009, 77, 159-168.	4.4	46
13	Suppression of ClC-3 channel expression reduces migration of nasopharyngeal carcinoma cells. Biochemical Pharmacology, 2008, 75, 1706-1716.	4.4	71
14	Putative Anticataract Properties of Honey Studied by the Action of Flavonoids on a Lens Culture Model. Journal of Health Science, 2008, 54, 196-202.	0.9	12
15	Neuropharmacology of the Olfactory Bulb. Current Molecular Pharmacology, 2008, 1, 181-190.	1.5	18
16	Repetitive Olfactory Exposure to the Biologically Significant Steroid Androstadienone Causes a Hedonic Shift and Gender Dimorphic Changes in Olfactory-Evoked Potentials. Neuropsychopharmacology, 2007, 32, 1822-1829.	5.4	31
17	Blockage of Volume-Activated Chloride Channels Inhibits Migration of Nasopharyngeal Carcinoma Cells. Cellular Physiology and Biochemistry, 2007, 19, 249-258.	1.6	45
18	Roles of volume-activated Cl?currents and regulatory volume decrease in the cell cycle and proliferation in nasopharyngeal carcinoma cells. Cell Proliferation, 2007, 40, 253-267.	5.3	63

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19	A new method for measuring reaction times for odour detection at iso-intensity: Comparison between an unpleasant and pleasant odour. Physiology and Behavior, 2006, 87, 500-505.	2.1	29
20	Changes in the Odor Quality of Androstadienone During Exposure-Induced Sensitization. Chemical Senses, 2006, 31, 3-8.	2.0	24
21	Involvement of regulatory volume decrease in the migration of nasopharyngeal carcinoma cells. Cell Research, 2005, 15, 371-378.	12.0	38
22	Evidence for peripheral plasticity in human odour response. Journal of Physiology, 2004, 554, 236-244.	2.9	107
23	A new non-invasive method for recording the electro-olfactogram using external electrodes. Clinical Neurophysiology, 2004, 115, 1631-1640.	1.5	14
24	Psychophysical evaluation of responses to pleasant and mal-odour stimulation in human subjects; adaptation, dose response and gender differences. International Journal of Psychophysiology, 2003, 48, 67-80.	1.0	64
25	Cell cycle-dependent expression of volume-activated chloride currents in nasopharyngeal carcinoma cells. American Journal of Physiology - Cell Physiology, 2002, 283, C1313-C1323.	4.6	77
26	The correlation between physiological and psychological responses to odour stimulation in human subjects. Clinical Neurophysiology, 2002, 113, 542-551.	1.5	46
27	pH-Dependent channel activity of heterologously-expressed main intrinsic protein (MIP) from rat lens. FEBS Letters, 2002, 512, 199-204.	2.8	13
28	Corrigendum to: pH-Dependent channel activity of heterologously-expressed main intrinsic protein (MIP) from rat lens (FEBS 25772). FEBS Letters, 2002, 516, 287-287.	2.8	0
29	Regulatory volume decrease is actively modulated during the cell cycle. Journal of Cellular Physiology, 2002, 193, 110-119.	4.1	45
30	The role of ClCâ€3 in volumeâ€activated chloride currents and volume regulation in bovine epithelial cells demonstrated by antisense inhibition. Journal of Physiology, 2000, 524, 63-75.	2.9	109
31	Association of intrinsic pI_{Cln} with volume-activated Cl^{â^'} current and volume regulation in a native epithelial cell. American Journal of Physiology - Cell Physiology, 1999, 276, C182-C192.	4.6	70
32	The relationship between cataract, cell swelling and volume regulation. Progress in Retinal and Eye Research, 1999, 18, 223-233.	15.5	37
33	Antisense toMDR1mRNA reduces P-glycoprotein expression, swelling-activated Clâ^'current and volume regulation in bovine ciliary epithelial cells. Journal of Physiology, 1998, 511, 33-44.	2.9	26
34	Chapter 3 Chloride Channels in the Ciliary Epithelium. Current Topics in Membranes, 1997, , 55-68.	0.9	0
35	A Large-Conductance Chloride Channel in Pigmented Ciliary Epithelial Cells Activated by GTPÎ³S. Journal of Membrane Biology, 1997, 158, 167-175.	2.1	37
36	A Nonselective High Conductance Channel in Bovine Pigmented Ciliary Epithelial Cells. Journal of Membrane Biology, 1996, 150, 105-111.	2.1	9

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37	Synaptogenesis and distribution of presynaptic axonal varicosities in low density primary cultures of neocortex: an immunocytochemical study utilizing synaptic vesicle-specific antibodies, and an electrophysiological examination utilizing whole cell recording. Journal of Neurocytology, 1995, 24, 301-317.	1.5	9
38	Lens opacification by antioestrogens: tamoxifen vs ICI 182, 780. British Journal of Pharmacology, 1995, 115, 1347-1348.	5.4	18
39	Control of cellular proliferation in the bovine cornea: An in vitro study. Eye, 1989, 3, 618-625.	2.1	8
40	The human lens epithelium; Morphological and ultrastructural changes associated with steroid therapy. Experimental Eye Research, 1989, 48, 215-224.	2.6	28
41	Fresh and cultured human lens epithelial cells: An electrophysiological study of cell coupling and membrane properties. Experimental Eye Research, 1988, 47, 489-506.	2.6	10
42	Human retinal extract stimulates the proliferation of human lens epithelial cells. Eye, 1988, 2, 304-308.	2.1	5
43	The effects of steroids on the human lens epithelium. Eye, 1987, 1, 722-727.	2.1	16
44	Human lens epithelial cells in culture: a quantitative evaluation of growth rate and proliferative capacity. Experimental Eye Research, 1987, 45, 93-104.	2.6	34
45	The human anterior lens capsule: Cell density, morphology and mitotic index in normal and cataractous lenses. Experimental Eye Research, 1987, 45, 865-874.	2.6	61
46	CHARACTERIZATION OF A CATION CHANNEL ON THE APICAL SURFACE OF THE FROG LENS EPITHELIUM. Quarterly Journal of Experimental Physiology (Cambridge, England), 1985, 70, 403-421.	1.0	34
47	A comparative study of the membrane permeability properties of amphibian and cephalopod mollusc lenses. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1984, 154, 333-341.	1.5	6
48	Effect of 8-methoxypsoralen on rat lens cations, membrane potential and protein levels. Experimental Eye Research, 1984, 38, 509-513.	2.6	18
49	Three types of channel activity in frog lens epithelial cells. Experimental Eye Research, 1984, 38, 657-660.	2.6	7
50	Influence of external calcium and glucose on internal total and ionized calcium in the rat lens.. Journal of Physiology, 1984, 357, 485-493.	2.9	23
51	Calcium and the Physiology of Cataract. Novartis Foundation Symposium, 1984, 106, 132-162.	1.1	54
52	The Lens as a Physicochemical System. , 1984, , 159-206.		9
53	The role of divalent cations in controlling amphibian lens membrane permeability; The mechanisms of toxic cataracts. Experimental Eye Research, 1983, 36, 595-605.	2.6	16
54	A direct measurement of intracellular free calcium within the lens. Experimental Eye Research, 1983, 36, 451-453.	2.6	19

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55	Raised intracellular free calcium within the lens causes opacification and cellular uncoupling in the frog.. Journal of Physiology, 1983, 341, 595-601.	2.9	24
56	Glucose-induced membrane permeability changes in the lens. Experimental Eye Research, 1982, 34, 445-453.	2.6	24
57	Calcium controls both sodium and potassium permeability of lens membranes. Experimental Eye Research, 1981, 33, 85-93.	2.6	28
58	An improved method for investigating the electrical characteristics of the lens. Experimental Eye Research, 1981, 33, 463-465.	2.6	1
59	Electrical coupling between fibre cells in amphibian and cephalopod lenses. Nature, 1981, 290, 704-706.	27.8	17
60	Osmotic influences on lens membrane characteristics. Experimental Eye Research, 1980, 31, 505-512.	2.6	29