Carl White

List of Publications by Year in descending order

53 papers	2,931 citations	279798 23 h-index	345221 36 g-index
55 all docs	55 docs citations	55 times ranked	3605 citing authors

#	Article	IF	Citations
1	Inositol Trisphosphate Receptor Ca2+ Release Channels. Physiological Reviews, 2007, 87, 593-658.	28.8	1,066
2	The endoplasmic reticulum gateway to apoptosis by Bcl-XL modulation of the InsP3R. Nature Cell Biology, 2005, 7, 1021-1028.	10.3	383
3	Apoptosis Protection by Mcl-1 and Bcl-2 Modulation of Inositol 1,4,5-Trisphosphate Receptor-dependent Ca2+ Signaling. Journal of Biological Chemistry, 2010, 285, 13678-13684.	3.4	156
4	Apoptosis regulation by Bcl-x _L modulation of mammalian inositol 1,4,5-trisphosphate receptor channel isoform gating. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12565-12570.	7.1	141
5	An Interaction between Bcl-xL and the Voltage-dependent Anion Channel (VDAC) Promotes Mitochondrial Ca2+ Uptake. Journal of Biological Chemistry, 2013, 288, 19870-19881.	3.4	121
6	Mcl-1 promotes lung cancer cell migration by directly interacting with VDAC to increase mitochondrial Ca2+ uptake and reactive oxygen species generation. Cell Death and Disease, 2014, 5, e1482-e1482.	6.3	121
7	Bcl-2 proteins regulate ER membrane permeability to luminal proteins during ER stress-induced apoptosis. Cell Death and Differentiation, 2011, 18, 38-47.	11.2	96
8	The Proapoptotic Factors Bax and Bak Regulate T Cell Proliferation through Control of Endoplasmic Reticulum Ca2+ Homeostasis. Immunity, 2007, 27, 268-280.	14.3	92
9	Defective Nrf2-dependent redox signalling contributes to microvascular dysfunction in type 2 diabetes. Cardiovascular Research, 2013, 100, 143-150.	3.8	66
10	Mode Switching Is the Major Mechanism of Ligand Regulation of InsP3 Receptor Calcium Release Channels. Journal of General Physiology, 2007, 130, 631-645.	1.9	59
11	Graded recruitment and inactivation of single InsP3receptor Ca2+-release channels: implications for quartal Ca2+release. Journal of Physiology, 2006, 573, 645-662.	2.9	57
12	CIB1, a Ubiquitously Expressed Ca2+-binding Protein Ligand of the InsP3 Receptor Ca2+ Release Channel. Journal of Biological Chemistry, 2006, 281, 20825-20833.	3.4	53
13	Calcium signals and calpain-dependent necrosis are essential for release of coxsackievirus B from polarized intestinal epithelial cells. Molecular Biology of the Cell, 2011, 22, 3010-3021.	2.1	42
14	Microvascular Endothelial Dysfunction in Obesity Is Driven by Macrophage-Dependent Hydrogen Sulfide Depletion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 889-899.	2.4	42
15	Inositol 1,4,5-trisphosphate receptors modulate Ca2+ sparks and Ca2+ store content in vas deferens myocytes. American Journal of Physiology - Cell Physiology, 2003, 285, C195-C204.	4.6	41
16	Distinct roles of mitochondria- and ER-localized Bcl-x_Lin apoptosis resistance and Ca²⁺homeostasis. Molecular Biology of the Cell, 2012, 23, 2605-2618.	2.1	40
17	Depletion of H ₂ S during obesity enhances store-operated Ca ²⁺ entry in adipose tissue macrophages to increase cytokine production. Science Signaling, 2015, 8, ra128.	3.6	40
18	Carbachol triggers RyRâ€dependent Ca2+release via activation of IP3receptors in isolated rat gastric myocytes. Journal of Physiology, 2002, 542, 725-733.	2.9	36

#	Article	IF	Citations
19	Piracy of Prostaglandin E2/EP Receptorâ€“Mediated Signaling by Kaposi's Sarcoma-Associated Herpes Virus (HHV-8) for Latency Gene Expression: Strategy of a Successful Pathogen. Cancer Research, 2010, 70, 3697-3708.	0.9	32
20	Determination of the membrane topology of lemur tyrosine kinase 2 (LMTK2) by fluorescence protease protection. American Journal of Physiology - Cell Physiology, 2013, 304, C164-C169.	4.6	28
21	The Regulation of Tumor Cell Invasion and Metastasis by Endoplasmic Reticulum-to-Mitochondrial Ca2+ Transfer. Frontiers in Oncology, 2017, 7, 171.	2.8	28
22	Calcium homeostasis in vascular smooth muscle cells is altered in type 2 diabetes by Bcl-2 protein modulation of InsP₃R calcium release channels. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H124-H134.	3.2	24
23	Increase in cytosolic Ca²⁺ produced by hypoxia and other depolarizing stimuli activates a nonâ€selective cation channel in chemoreceptor cells of rat carotid body. Journal of Physiology, 2014, 592, 1975-1992.	2.9	24
24	Role of cystathionine-Î³-lyase in hypoxia-induced changes in TASK activity, intracellular [Ca 2+] and ventilation in mice. Respiratory Physiology and Neurobiology, 2017, 246, 98-106.	1.6	23
25	N-(3-oxo-acyl) homoserine lactone inhibits tumor growth independent of Bcl-2 proteins. Oncotarget, 2016, 7, 5924-5942.	1.8	18
26	Structural transition in Bcl-xL and its potential association with mitochondrial calcium ion transport. Scientific Reports, 2015, 5, 10609.	3.3	17
27	Hydrogen sulfide and hypoxia-induced changes in TASK (K2P3/9) activity and intracellular Ca2+ concentration in rat carotid body glomus cells. Respiratory Physiology and Neurobiology, 2015, 215, 30-38.	1.6	17
28	Hydrogen sulfide depletion contributes to microvascular remodeling in obesity. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1071-H1080.	3.2	16
29	Retinoic Acid Regulates Calcium Signaling to Promote Mouse Ovarian Granulosa Cell Proliferation. Biology of Reproduction, 2016, 95, 70-70.	2.7	14
30	Determining Membrane Protein Topology Using Fluorescence Protease Protection (FPP). Journal of Visualized Experiments, 2015, , .	0.3	13
31	The ability of baroreflex activation to improve blood pressure and resistance vessel function in spontaneously hypertensive rats is dependent on stimulation parameters. Hypertension Research, 2021, 44, 932-940.	2.7	8
32	Improved exercise capacity in cyclophilinâ€Ð knockout mice associated with enhanced oxygen utilization efficiency and augmented glucose uptake via AMPKâ€TBC1D1 signaling nexus. FASEB Journal, 2019, 33, 11443-11457.	0.5	7
33	Ca2+oscillations in rat carotid body type 1 cells in normoxia and hypoxia. American Journal of Physiology - Cell Physiology, 2020, 318, C430-C438.	4.6	4
34	A Glutathione Precursor Reduces Oxidative Injury to Cultured Embryonic Cardiomyocytes. American Journal of Therapeutics, 2020, 27, e431-e438.	0.9	2
35	Extracellular cysteines C226 and C232 mediate hydrogen sulfide-dependent inhibition of Orai3-mediated store-operated calcium entry. American Journal of Physiology - Cell Physiology, 2022, 322, C38-C48.	4.6	2
36	Nuclear Patch Clamp Electrophysiology of Inositol Trisphosphate Receptor Ca2+ Release Channels. , 2005, , 203-229.		1

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37	Cystathionine Gammaâ€Lyase Deficiency Impairs H2S Biosynthesis And Vessel Reactivity In Typeâ€2 Diabetes. FASEB Journal, 2013, 27, 1091.3.	0.5	1
38	Cytoplasmic [InsP3] Drop Induces Transient High-Open-Probability Gating Mode in Type 1 InsP3R Channel. Biophysical Journal, 2013, 104, 121a-122a.	0.5	0
39	Paraoxonase 2 Mediates Metabolic Reprogramming of Murine Tracheal Epithelial Cells in Response to the Quorum Sensing Molecule Nâ€(3â€oxododecanoyl)â€homoserine Lactone. FASEB Journal, 2021, 35, .	0.5	0
40	Calcium Homeostasis in Vascular Smooth Muscle Cells is altered in Type 2 Diabetes by Bclâ€2 Protein Modulation of InsP 3 R Calcium Release Channels. FASEB Journal, 2011, 25, lb473.	0.5	0
41	Smooth muscle glutathione depletion contributes to increased myogenic tone in resistance arteries of typeâ€2 diabetic mice. FASEB Journal, 2012, 26, 1057.7.	0.5	0
42	An interaction between Bclâ€XL and VDAC facilitates mitochondrial Ca2+ uptake and bioenergetics. FASEB Journal, 2013, 27, .	0.5	0
43	Defective Nrf2â€Dependent Redox Signaling Contributes To Microvascular Dysfunction In Type 2 Diabetes. FASEB Journal, 2013, 27, 924.8.	0.5	0
44	Mclâ€1 and VDAC interaction promotes mitochondrial Ca 2+ uptake and ROS production (1159.12). FASEB Journal, 2014, 28, 1159.12.	0.5	0
45	Crosstalk Between Retinoic Acid and Calcium Signaling Pathways Regulates Granulosa Cell Proliferation. FASEB Journal, 2015, 29, 685.7.	0.5	0
46	A Role for Hydrogen Sulfide in Obesityâ€dependent Microvascular Remodeling. FASEB Journal, 2015, 29, 636.1.	0.5	0
47	Macrophages Cause Reduced Biosynthesis of Hydrogen Sulfide in the Obese Microvasculature. FASEB Journal, 2015, 29, 636.2.	0.5	0
48	Hydrogen Sulfide inhibits storeâ€operated calcium influx by selectively targeting STIM1â€Orai3 interactions.. FASEB Journal, 2018, 32, 750.37.	0.5	0
49	MILD HYPOXIA/ACIDOSIS INCREASE THE FREQUENCY OF CALCIUM OSCILLATIONS TO AUGMENT SECRETORY ACTIVITY IN RAT CAROTID BODY CHEMORECEPTORS. FASEB Journal, 2019, 33, 552.2.	0.5	0
50	Obesity Increases Microvascular Contractility in Response to Sympathetic Nerve Stimulation. FASEB Journal, 2020, 34, 1-1.	0.5	0
51	Storeâ€Operated Calcium Entry Regulates Macrophage Chemotaxis. FASEB Journal, 2020, 34, 1-1.	0.5	0
52	Lactate and Shortâ€Chain Fatty Acids on Ca²⁺ Oscillations in Rat Carotid Body Type 1 Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
53	Macrophages Contribute to Sex Differences in Obesityâ€dependent Microvascular Dysfunction. FASEB Journal, 2022, 36, .	0.5	0