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	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
2	Macrophages Contribute to Sex Differences in Obesityâ€dependent Microvascular Dysfunction. FASEB Journal, 2022, 36, .	0.5	0
3	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
4	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
5	A Glutathione Precursor Reduces Oxidative Injury to Cultured Embryonic Cardiomyocytes. American Journal of Therapeutics, 2020, 27, e431-e438.	0.9	2
6	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
7	Obesity Increases Microvascular Contractility in Response to Sympathetic Nerve Stimulation. FASEB Journal, 2020, 34, 1-1.	0.5	0
8	Storeâ€Operated Calcium Entry Regulates Macrophage Chemotaxis. FASEB Journal, 2020, 34, 1-1.	0.5	0
9	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
10	Improved exercise capacity in cyclophilinâ€D 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
11	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
12	Hydrogen Sulfide inhibits storeâ€operated calcium influx by selectively targeting STIM1â€Orai3 interactions.. FASEB Journal, 2018, 32, 750.37.	0.5	0
13	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
14	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
15	The Regulation of Tumor Cell Invasion and Metastasis by Endoplasmic Reticulum-to-Mitochondrial Ca2+ Transfer. Frontiers in Oncology, 2017, 7, 171.	2.8	28
16	Retinoic Acid Regulates Calcium Signaling to Promote Mouse Ovarian Granulosa Cell Proliferation. Biology of Reproduction, 2016, 95, 70-70.	2.7	14
17	Hydrogen sulfide depletion contributes to microvascular remodeling in obesity. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1071-H1080.	3.2	16
18	N-(3-oxo-acyl) homoserine lactone inhibits tumor growth independent of Bcl-2 proteins. Oncotarget, 2016, 7, 5924-5942.	1.8	18

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19	Structural transition in Bcl-xL and its potential association with mitochondrial calcium ion transport. Scientific Reports, 2015, 5, 10609.	3.3	17
20	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
21	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
22	Determining Membrane Protein Topology Using Fluorescence Protease Protection (FPP). Journal of Visualized Experiments, 2015, , .	0.3	13
23	Crosstalk Between Retinoic Acid and Calcium Signaling Pathways Regulates Granulosa Cell Proliferation. FASEB Journal, 2015, 29, 685.7.	0.5	0
24	A Role for Hydrogen Sulfide in Obesityâ€dependent Microvascular Remodeling. FASEB Journal, 2015, 29, 636.1.	0.5	0
25	Macrophages Cause Reduced Biosynthesis of Hydrogen Sulfide in the Obese Microvasculature. FASEB Journal, 2015, 29, 636.2.	0.5	0
26	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
27	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
28	Mclâ€1 and VDAC interaction promotes mitochondrial Ca 2+ uptake and ROS production (1159.12). FASEB Journal, 2014, 28, 1159.12.	0.5	0
29	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
30	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
31	Cytoplasmic [InsP3] Drop Induces Transient High-Open-Probability Gating Mode in Type 1 InsP3R Channel. Biophysical Journal, 2013, 104, 121a-122a.	0.5	0
32	Defective Nrf2-dependent redox signalling contributes to microvascular dysfunction in type 2 diabetes. Cardiovascular Research, 2013, 100, 143-150.	3.8	66
33	An interaction between Bclâ€XL and VDAC facilitates mitochondrial Ca2+ uptake and bioenergetics. FASEB Journal, 2013, 27, .	0.5	0
34	Defective Nrf2â€Dependent Redox Signaling Contributes To Microvascular Dysfunction In Type 2 Diabetes. FASEB Journal, 2013, 27, 924.8.	0.5	0
35	Cystathionine Gammaâ€Lyase Deficiency Impairs H2S Biosynthesis And Vessel Reactivity In Typeâ€2 Diabetes. FASEB Journal, 2013, 27, 1091.3.	0.5	1
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Inositol Trisphosphate Receptor Ca2+ Release Channels. Physiological Reviews, 2007, 87, 593-658.	28.8	1,066
47	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
48	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
49	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
50	The endoplasmic reticulum gateway to apoptosis by Bcl-XL modulation of the InsP3R. Nature Cell Biology, 2005, 7, 1021-1028.	10.3	383
51	Nuclear Patch Clamp Electrophysiology of Inositol Trisphosphate Receptor Ca2+ Release Channels. , 2005, , 203-229.		1
52	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
53	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