Carl W White

List of Publications by Year
in descending order

63	2,296	147566 31	233125 45
papers	citations	h-index	g-index

67	67	67	2513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NanoBRET: The Bright Future of Proximity-Based Assays. Frontiers in Bioengineering and Biotechnology, 2019, 7, 56.	2.0	121
2	Fluorescenceâ€•and bioluminescenceâ€based approaches to study GPCR ligand binding. British Journal of Pharmacology, 2016, 173, 3028-3037.	2.7	102
3	Stimulation of HIF-1Î±, HIF-2Î±, and VEGF by prolyl 4-hydroxylase inhibition in human lung endothelial and epithelial cells. Free Radical Biology and Medicine, 2005, 38, 1002-1013.	1.3	84
4	A Role for Mitochondrial Oxidative Stress in Sulfur Mustard Analog 2-Chloroethyl Ethyl Sulfide-Induced Lung Cell Injury and Antioxidant Protection. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 732-739.	1.3	83
5	Inflammatory Biomarkers of Sulfur Mustard Analog 2-Chloroethyl Ethyl Sulfideâ€“Induced Skin Injury in SKH-1 Hairless Mice. Toxicological Sciences, 2009, 108, 194-206.	1.4	75
6	Elevated expression of hexokinase II protects human lung epithelial-like A549 cells against oxidative injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L573-L584.	1.3	73
7	Extracellular ATP-mediated Signaling for Survival in Hyperoxia-induced Oxidative Stress. Journal of Biological Chemistry, 2004, 279, 16317-16325.	1.6	66
8	Treatment with the catalytic metalloporphyrin AEOL 10150 reduces inflammation and oxidative stress due to inhalation of the sulfur mustard analog 2-chloroethyl ethyl sulfide. Free Radical Biology and Medicine, 2010, 48, 1188-1196.	1.3	65
9	Novel drug targets for the pharmacotherapy of benign prostatic hyperplasia (BPH). British Journal of Pharmacology, 2011, 163, 891-907.	2.7	65
10	Biological and Molecular Mechanisms of Sulfur Mustard Analogue-Induced Toxicity in JB6 and HaCaT Cells: Possible Role of Ataxia Telangiectasia-Mutated/Ataxia Telangiectasia-Rad3-Related Cell Cycle Checkpoint Pathway. Chemical Research in Toxicology, 2010, 23, 1034-1044.	1.7	61
11	Nitrogen mustard exposure of murine skin induces DNA damage, oxidative stress and activation of MAPK/Akt-AP1 pathway leading to induction of inflammatory and proteolytic mediators. Toxicology Letters, 2015, 235, 161-171.	0.4	58
12	Efficacy of Glutathione in Ameliorating Sulfur Mustard Analog-Induced Toxicity in Cultured Skin Epidermal Cells and in SKH-1 Mouse Skin In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2011, 336, 450-459.	1.3	55
13	Effect of Preterm Birth on Hypoxia-Inducible Factors and Vascular Endothelial Growth Factor in Primate Lungs. Pediatric Pulmonology, 2005, 40, 538-546.	1.0	53
14	AEOL10150: A novel therapeutic for rescue treatment after toxic gas lung injury. Free Radical Biology and Medicine, 2011, 50, 602-608.	1.3	53
15	Human Tracheobronchial Basal Cells. Normal versus Remodeling/Repairing PhenotypesIn VivoandIn Vitro. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 1127-1134.	1.4	53
16	Mechanisms of sulfur mustard analog 2-chloroethyl ethyl sulfide-induced DNA damage in skin epidermal cells and fibroblasts. Free Radical Biology and Medicine, 2011, 51, 2272-2280.	1.3	51
17	Using nanoBRET and CRISPR/Cas9 to monitor proximity to a genome-edited protein in real-time. Scientific Reports, 2017, 7, 3187.	1.6	50
18	Identification and Profiling of Novel Î±1A-Adrenoceptor-CXC Chemokine Receptor 2 Heteromer. Journal of Biological Chemistry, 2012, 287, 12952-12965.	1.6	49

#	Article	IF	Citations
19	Sulfur mustard analog, 2-chloroethyl ethyl sulfide-induced skin injury involves DNA damage and induction of inflammatory mediators, in part via oxidative stress, in SKH-1 hairless mouse skin. Toxicology Letters, 2011, 205, 293-301.	0.4	48
20	Cholesterol Interferes with the MTT Assay in Human Epithelial-Like (A549) and Endothelial (HLMVE and) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	47
21	Dimethylthiourea protects against chlorine induced changes in airway function in a murine model of irritant induced asthma. Respiratory Research, 2010, 11, 138.	1.4	44
22	Purinergic signaling and kinase activation for survival in pulmonary oxidative stress and disease. Free Radical Biology and Medicine, 2006, 41, 29-40.	1.3	43
23	CRISPR-Mediated Protein Tagging with Nanoluciferase to Investigate Native Chemokine Receptor Function and Conformational Changes. Cell Chemical Biology, 2020, 27, 499-510.e7.	2.5	41
24	Age-related changes in the innervation of the prostate gland. Organogenesis, 2013, 9, 206-215.	0.4	40
25	2-Chloroethyl ethyl sulfide causes microvesication and inflammation-related histopathological changes in male hairless mouse skin. Toxicology, 2011, 282, 129-138.	2.0	39
26	Mutations of Vasopressin Receptor 2 Including Novel L312S Have Differential Effects on Trafficking. Molecular Endocrinology, 2016, 30, 889-904.	3.7	39
27	Male contraception via simultaneous knockout of Î± _{1A} -adrenoceptors and P2X1-purinoceptors in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20825-20830.	3.3	37
28	Hypoxia Protects Human Lung Microvascular Endothelial and Epithelial-like Cells against Oxygen Toxicity. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 179-187.	1.4	36
29	Catalytic antioxidant AEOL 10150 treatment ameliorates sulfur mustard analog 2-chloroethyl ethyl sulfide-associated cutaneous toxic effects. Free Radical Biology and Medicine, 2014, 72, 285-295.	1.3	36
30	Sarcoendoplasmic Reticulum Ca²⁺ ATPase. A Critical Target in Chlorine Inhalationâ€“Induced Cardiotoxicity. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 492-502.	1.4	36
31	Endothelial Akt activation by hyperoxia: Role in cell survival. Free Radical Biology and Medicine, 2006, 40, 1108-1118.	1.3	35
32	NanoBRET ligand binding at a GPCR under endogenous promotion facilitated by CRISPR/Cas9 genome editing. Cellular Signalling, 2019, 54, 27-34.	1.7	34
33	Histopathological and immunohistochemical evaluation of nitrogen mustard-induced cutaneous effects in SKH-1 hairless and C57BL/6 mice. Experimental and Toxicologic Pathology, 2014, 66, 129-138.	2.1	32
34	Chlorine inhalation-induced myocardial depression and failure. Physiological Reports, 2015, 3, e12439.	0.7	32
35	Thioredoxin liquefies and decreases the viscoelasticity of cystic fibrosis sputum. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L931-L938.	1.3	29
36	Bcl-2 Suppresses Sarcoplasmic/Endoplasmic Reticulum Ca²⁺-ATPase Expression in Cystic Fibrosis Airways. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 816-826.	2.5	28

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37	Cigarette smoke extract increases S-adenosylmethionine and cystathionine in human lung epithelial-like (A549) cells. Chemico-Biological Interactions, 2004, 147, 87-97.	1.7	27
38	Role of Reactive Oxygen and Nitrogen Species in Olfactory Epithelial Injury by the Sulfur Mustard Analogue 2-Chloroethyl Ethyl Sulfide. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 323-331.	1.4	27
39	Complex Formation between VEGFR2 and the Î²2-Adrenoceptor. Cell Chemical Biology, 2019, 26, 830-841.e9.	2.5	27
40	Tissue factor pathway inhibitor prevents airway obstruction, respiratory failure and death due to sulfur mustard analog inhalation. Toxicology and Applied Pharmacology, 2013, 272, 86-95.	1.3	26
41	Antifibrinolytic Mechanisms in Acute Airway Injury after Sulfur Mustard Analog Inhalation. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 559-567.	1.4	26
42	Flavanone silibinin treatment attenuates nitrogen mustard-induced toxic effects in mouse skin. Toxicology and Applied Pharmacology, 2015, 285, 71-78.	1.3	26
43	Potential Role for Antiangiogenic Proteins in the Evolution of Bronchopulmonary Dysplasia. Antioxidants and Redox Signaling, 2004, 6, 137-145.	2.5	25
44	Cutaneous Injury-Related Structural Changes and Their Progression following Topical Nitrogen Mustard Exposure in Hairless and Haired Mice. PLoS ONE, 2014, 9, e85402.	1.1	19
45	Optimised insert design for improved single-molecule imaging and quantification through CRISPR-Cas9 mediated knock-in. Scientific Reports, 2019, 9, 14219.	1.6	19
46	SERCA2 Regulates Non-CF and CF Airway Epithelial Cell Response to Ozone. PLoS ONE, 2011, 6, e27451.	1.1	19
47	Myeloperoxidase deficiency attenuates nitrogen mustard-induced skin injuries. Toxicology, 2014, 320, 25-33.	2.0	18
48	Contractions of the Mouse Prostate Elicited by Acetylcholine Are Mediated by M₃ Muscarinic Receptors. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 870-877.	1.3	14
49	The Residual Nonadrenergic Contractile Response to Nerve Stimulation of the Mouse Prostate Is Mediated by Acetylcholine but Not ATP in a Comparison with the Mouse Vas Deferens. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 489-496.	1.3	13
50	Interaction and Localization of Synthetic Nanoparticles in Healthy and Cystic Fibrosis Airway Epithelial Cells: Effect of Ozone Exposure. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2012, 25, 7-15.	0.7	13
51	Adenosine A2A receptor-dependent proliferation of pulmonary endothelial cells is mediated through calcium mobilization, PI3-kinase and ERK1/2 pathways. Biochemical and Biophysical Research Communications, 2013, 434, 566-571.	1.0	13
52	Editorâ€™s Highlight: Pulmonary Vascular Thrombosis in Rats Exposed to Inhaled Sulfur Mustard. Toxicological Sciences, 2017, 159, 461-469.	1.4	12
53	Rho kinase activation mediates adrenergic and cholinergic smooth muscle contractile responses in the mouse prostate gland. European Journal of Pharmacology, 2013, 721, 313-321.	1.7	11
54	Development of a P2X1-purinoceptor mediated contractile response in the aged mouse prostate gland through slowing down of ATP breakdown. Neurourology and Urodynamics, 2015, 34, 292-298.	0.8	10

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55	Detection of genomeâ€edited and endogenously expressed G proteinâ€coupled receptors. FEBS Journal, 2021, 288, 2585-2601.	2.2	10
56	Activation of a novel isoform of methionine adenosyl transferase 2A and increased S-adenosylmethionine turnover in lung epithelial cells exposed to hyperoxia. Free Radical Biology and Medicine, 2006, 40, 348-358.	1.3	8
57	Characterisation of the prostanoid receptor mediating inhibition of smooth muscle contractility in the rat prostate gland. Naunyn-Schmiedeberg's Archives of Pharmacology, 2010, 381, 321-328.	1.4	8
58	What makes the Î±_{1A}â€adrenoceptor gene product assume an Î±_{1L}â€adrenoceptor phenotype?. British Journal of Pharmacology, 2019, 176, 2358-2365.	2.7	8
59	A nanoluciferase biosensor to investigate endogenous chemokine secretion and receptor binding. IScience, 2021, 24, 102011.	1.9	6
60	The use of fluorescence correlation spectroscopy to monitor cell surface Î²2â€adrenoceptors at low expression levels in human embryonic stem cellâ€derived cardiomyocytes and fibroblasts. FASEB Journal, 2021, 35, e21398.	0.2	6
61	Subtype selective fluorescent ligands based on ICI 118,551 to study the human Î²2â€adrenoceptor in CRISPR/Cas9 genomeâ€edited HEK293T cells at low expression levels. Pharmacology Research and Perspectives, 2021, 9, e00779.	1.1	6
62	Inhibition of CXCR4 signalling and ligand binding by CXCL17. FASEB Journal, 2019, 33, 503.8.	0.2	1
63	Using CRISPR/Cas9 and NanoLuc to investigate â€œendogenousâ€•CXCR4 ligand binding, internalization and Î²â€arrestin2 recruitment. FASEB Journal, 2019, 33, 811.4.	0.2	1