

Carl W White

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,296
citations

147566

31
h-index

233125

45
g-index

67
all docs

67
docs citations

67
times ranked

2513
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanoluciferase biosensor to investigate endogenous chemokine secretion and receptor binding. <i>IScience</i> , 2021, 24, 102011.	1.9	6
2	Detection of genome-edited and endogenously expressed G protein-coupled receptors. <i>FEBS Journal</i> , 2021, 288, 2585-2601.	2.2	10
3	The use of fluorescence correlation spectroscopy to monitor cell surface β_2 -adrenoceptors at low expression levels in human embryonic stem cell-derived cardiomyocytes and fibroblasts. <i>FASEB Journal</i> , 2021, 35, e21398.	0.2	6
4	Subtype selective fluorescent ligands based on ICI 118,551 to study the human β_2 -adrenoceptor in CRISPR/Cas9 genome-edited HEK293T cells at low expression levels. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00779.	1.1	6
5	CRISPR-Mediated Protein Tagging with Nanoluciferase to Investigate Native Chemokine Receptor Function and Conformational Changes. <i>Cell Chemical Biology</i> , 2020, 27, 499-510.e7.	2.5	41
6	Optimised insert design for improved single-molecule imaging and quantification through CRISPR-Cas9 mediated knock-in. <i>Scientific Reports</i> , 2019, 9, 14219.	1.6	19
7	What makes the β_1 -adrenoceptor gene product assume an β_1 -adrenoceptor phenotype?. <i>British Journal of Pharmacology</i> , 2019, 176, 2358-2365.	2.7	8
8	NanoBRET: The Bright Future of Proximity-Based Assays. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 56.	2.0	121
9	Complex Formation between VEGFR2 and the β_2 -Adrenoceptor. <i>Cell Chemical Biology</i> , 2019, 26, 830-841.e9.	2.5	27
10	NanoBRET ligand binding at a GPCR under endogenous promotion facilitated by CRISPR/Cas9 genome editing. <i>Cellular Signalling</i> , 2019, 54, 27-34.	1.7	34
11	Inhibition of CXCR4 signalling and ligand binding by CXCL17. <i>FASEB Journal</i> , 2019, 33, 503.8.	0.2	1
12	Using CRISPR/Cas9 and NanoLuc to investigate endogenous CXCR4 ligand binding, internalization and β -arrestin2 recruitment. <i>FASEB Journal</i> , 2019, 33, 811.4.	0.2	1
13	Using nanoBRET and CRISPR/Cas9 to monitor proximity to a genome-edited protein in real-time. <i>Scientific Reports</i> , 2017, 7, 3187.	1.6	50
14	Editor's Highlight: Pulmonary Vascular Thrombosis in Rats Exposed to Inhaled Sulfur Mustard. <i>Toxicological Sciences</i> , 2017, 159, 461-469.	1.4	12
15	Fluorescence- and bioluminescence-based approaches to study GPCR ligand binding. <i>British Journal of Pharmacology</i> , 2016, 173, 3028-3037.	2.7	102
16	Mutations of Vasopressin Receptor 2 Including Novel L312S Have Differential Effects on Trafficking. <i>Molecular Endocrinology</i> , 2016, 30, 889-904.	3.7	39
17	Chlorine inhalation-induced myocardial depression and failure. <i>Physiological Reports</i> , 2015, 3, e12439.	0.7	32
18	Development of a P2X1-purinoreceptor mediated contractile response in the aged mouse prostate gland through slowing down of ATP breakdown. <i>Neurourology and Urodynamics</i> , 2015, 34, 292-298.	0.8	10

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19	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. <i>Toxicology Letters</i> , 2015, 235, 161-171.	0.4	58
20	Flavanone silibinin treatment attenuates nitrogen mustard-induced toxic effects in mouse skin. <i>Toxicology and Applied Pharmacology</i> , 2015, 285, 71-78.	1.3	26
21	Sarcoendoplasmic Reticulum Ca ²⁺ ATPase. A Critical Target in Chlorine Inhalation-Induced Cardiotoxicity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 492-502.	1.4	36
22	Cutaneous Injury-Related Structural Changes and Their Progression following Topical Nitrogen Mustard Exposure in Hairless and Haired Mice. <i>PLoS ONE</i> , 2014, 9, e85402.	1.1	19
23	Histopathological and immunohistochemical evaluation of nitrogen mustard-induced cutaneous effects in SKH-1 hairless and C57BL/6 mice. <i>Experimental and Toxicologic Pathology</i> , 2014, 66, 129-138.	2.1	32
24	Catalytic antioxidant AEOL 10150 treatment ameliorates sulfur mustard analog 2-chloroethyl ethyl sulfide-associated cutaneous toxic effects. <i>Free Radical Biology and Medicine</i> , 2014, 72, 285-295.	1.3	36
25	Myeloperoxidase deficiency attenuates nitrogen mustard-induced skin injuries. <i>Toxicology</i> , 2014, 320, 25-33.	2.0	18
26	Antifibrinolytic Mechanisms in Acute Airway Injury after Sulfur Mustard Analog Inhalation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 559-567.	1.4	26
27	Tissue factor pathway inhibitor prevents airway obstruction, respiratory failure and death due to sulfur mustard analog inhalation. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 86-95.	1.3	26
28	Rho kinase activation mediates adrenergic and cholinergic smooth muscle contractile responses in the mouse prostate gland. <i>European Journal of Pharmacology</i> , 2013, 721, 313-321.	1.7	11
29	Adenosine A2A receptor-dependent proliferation of pulmonary endothelial cells is mediated through calcium mobilization, PI3-kinase and ERK1/2 pathways. <i>Biochemical and Biophysical Research Communications</i> , 2013, 434, 566-571.	1.0	13
30	Human Tracheobronchial Basal Cells. Normal versus Remodeling/Repairing Phenotypes <i>In Vivo</i> and <i>In Vitro</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 1127-1134.	1.4	53
31	Male contraception via simultaneous knockout of β -adrenoceptors and P2X1-purinoceptors in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20825-20830.	3.3	37
32	Age-related changes in the innervation of the prostate gland. <i>Organogenesis</i> , 2013, 9, 206-215.	0.4	40
33	Interaction and Localization of Synthetic Nanoparticles in Healthy and Cystic Fibrosis Airway Epithelial Cells: Effect of Ozone Exposure. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2012, 25, 7-15.	0.7	13
34	Identification and Profiling of Novel β -Adrenoceptor-CXC Chemokine Receptor 2 Heteromer. <i>Journal of Biological Chemistry</i> , 2012, 287, 12952-12965.	1.6	49
35	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. <i>Toxicology Letters</i> , 2011, 205, 293-301.	0.4	48
36	Novel drug targets for the pharmacotherapy of benign prostatic hyperplasia (BPH). <i>British Journal of Pharmacology</i> , 2011, 163, 891-907.	2.7	65

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37	AEOL10150: A novel therapeutic for rescue treatment after toxic gas lung injury. <i>Free Radical Biology and Medicine</i> , 2011, 50, 602-608.	1.3	53
38	Mechanisms of sulfur mustard analog 2-chloroethyl ethyl sulfide-induced DNA damage in skin epidermal cells and fibroblasts. <i>Free Radical Biology and Medicine</i> , 2011, 51, 2272-2280.	1.3	51
39	2-Chloroethyl ethyl sulfide causes microvesication and inflammation-related histopathological changes in male hairless mouse skin. <i>Toxicology</i> , 2011, 282, 129-138.	2.0	39
40	Role of Reactive Oxygen and Nitrogen Species in Olfactory Epithelial Injury by the Sulfur Mustard Analogue 2-Chloroethyl Ethyl Sulfide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 323-331.	1.4	27
41	Contractions of the Mouse Prostate Elicited by Acetylcholine Are Mediated by M ₃ Muscarinic Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 870-877.	1.3	14
42	Efficacy of Glutathione in Ameliorating Sulfur Mustard Analog-Induced Toxicity in Cultured Skin Epidermal Cells and in SKH-1 Mouse Skin In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 450-459.	1.3	55
43	SERCA2 Regulates Non-CF and CF Airway Epithelial Cell Response to Ozone. <i>PLoS ONE</i> , 2011, 6, e27451.	1.1	19
44	Characterisation of the prostanoid receptor mediating inhibition of smooth muscle contractility in the rat prostate gland. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010, 381, 321-328.	1.4	8
45	Dimethylthiourea protects against chlorine induced changes in airway function in a murine model of irritant induced asthma. <i>Respiratory Research</i> , 2010, 11, 138.	1.4	44
46	Treatment with the catalytic metalloporphyrin AEOL 10150 reduces inflammation and oxidative stress due to inhalation of the sulfur mustard analog 2-chloroethyl ethyl sulfide. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1188-1196.	1.3	65
47	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 489-496.	1.3	13
48	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. <i>Chemical Research in Toxicology</i> , 2010, 23, 1034-1044.	1.7	61
49	A Role for Mitochondrial Oxidative Stress in Sulfur Mustard Analog 2-Chloroethyl Ethyl Sulfide-Induced Lung Cell Injury and Antioxidant Protection. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 732-739.	1.3	83
50	Inflammatory Biomarkers of Sulfur Mustard Analog 2-Chloroethyl Ethyl Sulfide-Induced Skin Injury in SKH-1 Hairless Mice. <i>Toxicological Sciences</i> , 2009, 108, 194-206.	1.4	75
51	Bcl-2 Suppresses Sarcoplasmic/Endoplasmic Reticulum Ca ²⁺ -ATPase Expression in Cystic Fibrosis Airways. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 816-826.	2.5	28
52	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
53	Activation of a novel isoform of methionine adenosyl transferase 2A and increased S-adenosylmethionine turnover in lung epithelial cells exposed to hyperoxia. <i>Free Radical Biology and Medicine</i> , 2006, 40, 348-358.	1.3	8
54	Endothelial Akt activation by hyperoxia: Role in cell survival. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1108-1118.	1.3	35

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55	Purinergic signaling and kinase activation for survival in pulmonary oxidative stress and disease. <i>Free Radical Biology and Medicine</i> , 2006, 41, 29-40.	1.3	43
56	Stimulation of HIF-1 α , HIF-2 α , and VEGF by prolyl 4-hydroxylase inhibition in human lung endothelial and epithelial cells. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1002-1013.	1.3	84
57	Effect of Preterm Birth on Hypoxia-Inducible Factors and Vascular Endothelial Growth Factor in Primate Lungs. <i>Pediatric Pulmonology</i> , 2005, 40, 538-546.	1.0	53
58	Extracellular ATP-mediated Signaling for Survival in Hyperoxia-induced Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2004, 279, 16317-16325.	1.6	66
59	Thioredoxin liquefies and decreases the viscoelasticity of cystic fibrosis sputum. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L931-L938.	1.3	29
60	Cigarette smoke extract increases S-adenosylmethionine and cystathionine in human lung epithelial-like (A549) cells. <i>Chemico-Biological Interactions</i> , 2004, 147, 87-97.	1.7	27
61	Potential Role for Antiangiogenic Proteins in the Evolution of Bronchopulmonary Dysplasia. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 137-145.	2.5	25
62	Hypoxia Protects Human Lung Microvascular Endothelial and Epithelial-like Cells against Oxygen Toxicity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 179-187.	1.4	36
63	Elevated expression of hexokinase II protects human lung epithelial-like A549 cells against oxidative injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L573-L584.	1.3	73