

Brian J Day

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,884
citations

101543

36
h-index

123424

61
g-index

65
all docs

65
docs citations

65
times ranked

4818
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganic Porphyrins Possess Catalase Activity and Protect Endothelial Cells against Hydrogen Peroxide-Mediated Injury. <i>Archives of Biochemistry and Biophysics</i> , 1997, 347, 256-262.	3.0	285
2	Catalase and glutathione peroxidase mimics. <i>Biochemical Pharmacology</i> , 2009, 77, 285-296.	4.4	223
3	Catalytic antioxidants: a radical approach to new therapeutics. <i>Drug Discovery Today</i> , 2004, 9, 557-566.	6.4	176
4	Targeting the Achilles Heel of Multidrug-Resistant Cancer by Exploiting the Fitness Cost of Resistance. <i>Chemical Reviews</i> , 2014, 114, 5753-5774.	47.7	172
5	Neuroprotection from Delayed Postischemic Administration of a Metalloporphyrin Catalytic Antioxidant. <i>Journal of Neuroscience</i> , 2001, 21, 4582-4592.	3.6	153
6	Metalloporphyrins are potent inhibitors of lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 1999, 26, 730-736.	2.9	149
7	THIOCYANATE: A potentially useful therapeutic agent with host defense and antioxidant properties. <i>Biochemical Pharmacology</i> , 2012, 84, 1381-1387.	4.4	125
8	Antioxidants as Potential Therapeutics for Lung Fibrosis. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 355-370.	5.4	119
9	Flavonoid-induced glutathione depletion: Potential implications for cancer treatment. <i>Free Radical Biology and Medicine</i> , 2006, 41, 65-76.	2.9	115
10	Caspase-3 Induced oxidative stress and mitochondrial dysfunction in human lung cancer A549 and H157 cells. <i>Toxicology</i> , 2010, 268, 176-183.	4.2	100
11	Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 573-580.	0.8	96
12	An Orally Active Catalytic Metalloporphyrin Protects against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Neurotoxicity <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2007, 27, 4326-4333.	3.6	92
13	Dependence of excitotoxic neurodegeneration on mitochondrial aconitase inactivation. <i>Journal of Neurochemistry</i> , 2001, 78, 746-755.	3.9	91
14	Antioxidant imbalance in the lungs of cystic fibrosis transmembrane conductance regulator protein mutant mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L31-L38.	2.9	87
15	Reactive oxygen species mediate cognitive deficits in experimental temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2015, 82, 289-297.	4.4	86
16	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.	2.5	83
17	Role for Cystic Fibrosis Transmembrane Conductance Regulator Protein in a Glutathione Response to Bronchopulmonary Pseudomonas Infection. <i>Infection and Immunity</i> , 2004, 72, 2045-2051.	2.2	77
18	Mitochondrial oxidative stress and epilepsy in SOD2 deficient mice: Attenuation by a lipophilic metalloporphyrin. <i>Neurobiology of Disease</i> , 2012, 45, 1068-1076.	4.4	77

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19	Sulfur mustard analog induces oxidative stress and activates signaling cascades in the skin of SKH-1 hairless mice. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1640-1651.	2.9	76
20	Flavin-dependent antioxidant properties of a new series of meso-N,N ^ε -dialkyl-imidazolium substituted manganese(III) porphyrins. <i>Biochemical Pharmacology</i> , 2004, 67, 77-85.	4.4	75
21	Biochemical mechanisms and therapeutic potential of pseudohalide thiocyanate in human health. <i>Free Radical Research</i> , 2015, 49, 695-710.	3.3	66
22	Scavenging reactive oxygen species inhibits status epilepticus-induced neuroinflammation. <i>Experimental Neurology</i> , 2017, 298, 13-22.	4.1	66
23	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.	2.9	65
24	Aging Adversely Affects the Cigarette Smoke-induced Glutathione Adaptive Response in the Lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1114-1122.	5.6	64
25	Glutathione Transport Is a Unique Function of the ATP-binding Cassette Protein ABCG2. <i>Journal of Biological Chemistry</i> , 2010, 285, 16582-16587.	3.4	62
26	Selective Metabolism of Hypothiocyanous Acid by Mammalian Thioredoxin Reductase Promotes Lung Innate Immunity and Antioxidant Defense. <i>Journal of Biological Chemistry</i> , 2013, 288, 18421-18428.	3.4	61
27	Hypertonic saline increases lung epithelial lining fluid glutathione and thiocyanate: two protective CFTR-dependent thiols against oxidative injury. <i>Respiratory Research</i> , 2010, 11, 119.	3.6	60
28	Lung glutathione adaptive responses to cigarette smoke exposure. <i>Respiratory Research</i> , 2011, 12, 133.	3.6	60
29	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.	2.5	55
30	Antioxidant therapeutics: Pandora's box. <i>Free Radical Biology and Medicine</i> , 2014, 66, 58-64.	2.9	54
31	AEOL10150: A novel therapeutic for rescue treatment after toxic gas lung injury. <i>Free Radical Biology and Medicine</i> , 2011, 50, 602-608.	2.9	53
32	Antiinflammatory and Antimicrobial Effects of Thiocyanate in a Cystic Fibrosis Mouse Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 193-205.	2.9	51
33	Dimethylthiourea protects against chlorine induced changes in airway function in a murine model of irritant induced asthma. <i>Respiratory Research</i> , 2010, 11, 138.	3.6	44
34	A Synthetic Chalcone as a Potent Inducer of Glutathione Biosynthesis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1382-1388.	6.4	43
35	Inhibition of Mitochondrial Hydrogen Peroxide Production by Lipophilic Metalloporphyrins. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 970-976.	2.5	40
36	<i>Mycoplasma pneumoniae</i> Infection and Environmental Tobacco Smoke Inhibit Lung Glutathione Adaptive Responses and Increase Oxidative Stress. <i>Infection and Immunity</i> , 2008, 76, 4455-4462.	2.2	40

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37	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.	2.9	36
38	Extracellular superoxide dismutase is upregulated with inducible nitric oxide synthase after NF- κ B activation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1997, 273, L1002-L1006.	2.9	35
39	Harnessing drug resistance: Using ABC transporter proteins to target cancer cells. <i>Biochemical Pharmacology</i> , 2007, 74, 1677-1685.	4.4	34
40	Nebulized thiocyanate improves lung infection outcomes in mice. <i>British Journal of Pharmacology</i> , 2013, 169, 1166-1177.	5.4	34
41	Glutathione Depletion Accelerates Cigarette Smoke-Induced Inflammation and Airspace Enlargement. <i>Toxicological Sciences</i> , 2015, 147, 466-474.	3.1	34
42	Targeting maladaptive glutathione responses in lung disease. <i>Biochemical Pharmacology</i> , 2011, 81, 187-193.	4.4	33
43	<p>Nicotine-Free e-Cigarette Vapor Exposure Stimulates IL6 and Mucin Production in Human Primary Small Airway Epithelial Cells</p>. <i>Journal of Inflammation Research</i> , 2020, Volume 13, 175-185.	3.5	30
44	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.	2.9	27
45	Photodynamic therapy of cancer â€” Challenges of multidrug resistance. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1530002.	1.0	25
46	2â€™,5â€™-Dihydroxychalcone-induced glutathione is mediated by oxidative stress and kinase signaling pathways. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1146-1154.	2.9	22
47	Antioxidants as potential medical countermeasures for chemical warfare agents and toxic industrial chemicals. <i>Biochemical Pharmacology</i> , 2016, 100, 1-11.	4.4	21
48	The science of licking your wounds: Function of oxidants in the innate immune system. <i>Biochemical Pharmacology</i> , 2019, 163, 451-457.	4.4	21
49	Neuroprotective effects of a catalytic antioxidant in a rat nerve agent model. <i>Redox Biology</i> , 2019, 20, 275-284.	9.0	21
50	Selected flavonoids potentiate the toxicity of cisplatin in human lung adenocarcinoma cells: a role for glutathione depletion. <i>International Journal of Oncology</i> , 2007, 31, 161-8.	3.3	20
51	Macropinocytosis of Extracellular Glutathione Ameliorates Tumor Necrosis Factor α Release in Activated Macrophages. <i>PLoS ONE</i> , 2011, 6, e25704.	2.5	19
52	Myeloperoxidase inhibition decreases morbidity and oxidative stress in mice with cystic fibrosis-like lung inflammation. <i>Free Radical Biology and Medicine</i> , 2020, 152, 91-99.	2.9	18
53	From the Cover: Catalytic Antioxidant Rescue of Inhaled Sulfur Mustard Toxicity. <i>Toxicological Sciences</i> , 2016, 154, 341-353.	3.1	14
54	The thiocyanate analog selenocyanate is a more potent antimicrobial pro-drug that also is selectively detoxified by the host. <i>Free Radical Biology and Medicine</i> , 2020, 146, 324-332.	2.9	14

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55	Î³Î³ T cells recognize the insulin B:9â€™23 peptide antigen when it is dimerized through thiol oxidation. <i>Molecular Immunology</i> , 2014, 60, 116-128.	2.2	13
56	Pre-clinical therapeutic development of a series of metalloporphyrins for Parkinson's disease. <i>Toxicology and Applied Pharmacology</i> , 2017, 326, 34-42.	2.8	11
57	Afghanistan Particulate Matter Enhances Pro-Inflammatory Responses in IL-13-Exposed Human Airway Epithelium via TLR2 Signaling. <i>Toxicological Sciences</i> , 2018, 166, 345-353.	3.1	10
58	Select cyclopentenone prostaglandins trigger glutathione efflux and the role of ABCG2 transport. <i>Free Radical Biology and Medicine</i> , 2009, 47, 722-730.	2.9	9
59	The effect of an oral anti-oxidant, N-Acetyl-cysteine, on inflammatory and oxidative markers in pulmonary sarcoidosis. <i>Respiratory Medicine</i> , 2016, 112, 106-111.	2.9	9
60	IL-33/ST2 signaling modulates Afghanistan particulate matter induced airway hyperresponsiveness in mice. <i>Toxicology and Applied Pharmacology</i> , 2020, 404, 115186.	2.8	8
61	Post-translational Activation of Glutamate Cysteine Ligase with Dimercaprol. <i>Journal of Biological Chemistry</i> , 2017, 292, 5532-5545.	3.4	7
62	Single-Cell RNA Sequencing Reveals a Unique Monocyte Population in Bronchoalveolar Lavage Cells of Mice Challenged With Afghanistan Particulate Matter and Allergen. <i>Toxicological Sciences</i> , 2021, 182, 297-309.	3.1	7
63	Role of Particulate Matter from Afghanistan and Iraq in Deployment-Related Lung Disease. <i>Chemical Research in Toxicology</i> , 2021, 34, 2408-2423.	3.3	7
64	5-Aminosalicylic Acid Modulates the Immune Response in Chronic Beryllium Disease Subjects. <i>Lung</i> , 2018, 196, 103-114.	3.3	2
65	Optimization of Lipophilic Metalloporphyrins Modifies Disease Outcomes in a Rat Model of Parkinsonism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 1-10.	2.5	2