Brian J Day

List of Publications by Year
in descending order

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	Optimization of Lipophilic Metalloporphyrins Modifies Disease Outcomes in a Rat Model of Parkinsonism. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 1-10.	2.5	2
2	Single-Cell RNA Sequencing Reveals a Unique Monocyte Population in Bronchoalveolar Lavage Cells of Mice Challenged With Afghanistan Particulate Matter and Allergen. Toxicological Sciences, 2021, 182, 297-309.	3.1	7
3	Role of Particulate Matter from Afghanistan and Iraq in Deployment-Related Lung Disease. Chemical Research in Toxicology, 2021, 34, 2408-2423.	3.3	7
4	The thiocyanate analog selenocyanate is a more potent antimicrobial pro-drug that also is selectively detoxified by the host. Free Radical Biology and Medicine, 2020, 146, 324-332.	2.9	14
5	IL-33/ST2 signaling modulates Afghanistan particulate matter induced airway hyperresponsiveness in mice. Toxicology and Applied Pharmacology, 2020, 404, 115186.	2.8	8
6	Nicotine-Free e-Cigarette Vapor Exposure Stimulates IL6 and Mucin Production in Human Primary Small Airway Epithelial Cells . Journal of Inflammation Research, 2020, Volume 13, 175-185.	3.5	30
7	Myeloperoxidase inhibition decreases morbidity and oxidative stress in mice with cystic fibrosis-like lung inflammation. Free Radical Biology and Medicine, 2020, 152, 91-99.	2.9	18
8	The science of licking your wounds: Function of oxidants in the innate immune system. Biochemical Pharmacology, 2019, 163, 451-457.	4.4	21
9	Neuroprotective effects of a catalytic antioxidant in a rat nerve agent model. Redox Biology, 2019, 20, 275-284.	9.0	21
10	5-Aminosalicylic Acid Modulates the Immune Response in Chronic Beryllium Disease Subjects. Lung, 2018, 196, 103-114.	3.3	2
11	Afghanistan Particulate Matter Enhances Pro-Inflammatory Responses in IL-13-Exposed Human Airway Epithelium via TLR2 Signaling. Toxicological Sciences, 2018, 166, 345-353.	3.1	10
12	Post-translational Activation of Glutamate Cysteine Ligase with Dimercaprol. Journal of Biological Chemistry, 2017, 292, 5532-5545.	3.4	7
13	Pre-clinical therapeutic development of a series of metalloporphyrins for Parkinson's disease. Toxicology and Applied Pharmacology, 2017, 326, 34-42.	2.8	11
14	Scavenging reactive oxygen species inhibits status epilepticus-induced neuroinflammation. Experimental Neurology, 2017, 298, 13-22.	4.1	66
15	From the Cover: Catalytic Antioxidant Rescue of Inhaled Sulfur Mustard Toxicity. Toxicological Sciences, 2016, 154, 341-353.	3.1	14
16	Antioxidants as potential medical countermeasures for chemical warfare agents and toxic industrial chemicals. Biochemical Pharmacology, 2016, 100, 1-11.	4.4	21
17	The effect of an oral anti-oxidant, N-Acetyl-cysteine, on inflammatory and oxidative markers in pulmonary sarcoidosis. Respiratory Medicine, 2016, 112, 106-111.	2.9	9
18	Biochemical mechanisms and therapeutic potential of pseudohalide thiocyanate in human health. Free Radical Research, 2015, 49, 695-710.	3.3	66

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19	Photodynamic therapy of cancer â€" Challenges of multidrug resistance. Journal of Innovative Optical Health Sciences, 2015, 08, 1530002.	1.0	25
20	Glutathione Depletion Accelerates Cigarette Smoke-Induced Inflammation and Airspace Enlargement. Toxicological Sciences, 2015, 147, 466-474.	3.1	34
21	Reactive oxygen species mediate cognitive deficits in experimental temporal lobe epilepsy. Neurobiology of Disease, 2015, 82, 289-297.	4.4	86
22	Antiinflammatory and Antimicrobial Effects of Thiocyanate in a Cystic Fibrosis Mouse Model. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 193-205.	2.9	51
23	Antioxidant therapeutics: Pandoraâ€²s box. Free Radical Biology and Medicine, 2014, 66, 58-64.	2.9	54
24	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.	2.9	36
25	Targeting the Achilles Heel of Multidrug-Resistant Cancer by Exploiting the Fitness Cost of Resistance. Chemical Reviews, 2014, 114, 5753-5774.	47.7	172
26	Î³Î´ T cells recognize the insulin B:9â€"23 peptide antigen when it is dimerized through thiol oxidation. Molecular Immunology, 2014, 60, 116-128.	2.2	13
27	Nebulized thiocyanate improves lung infection outcomes in mice. British Journal of Pharmacology, 2013, 169, 1166-1177.	5.4	34
28	Selective Metabolism of Hypothiocyanous Acid by Mammalian Thioredoxin Reductase Promotes Lung Innate Immunity and Antioxidant Defense. Journal of Biological Chemistry, 2013, 288, 18421-18428.	3.4	61
29	THIOCYANATE: A potentially useful therapeutic agent with host defense and antioxidant properties. Biochemical Pharmacology, 2012, 84, 1381-1387.	4.4	125
30	A Synthetic Chalcone as a Potent Inducer of Glutathione Biosynthesis. Journal of Medicinal Chemistry, 2012, 55, 1382-1388.	6.4	43
31	Mitochondrial oxidative stress and epilepsy in SOD2 deficient mice: Attenuation by a lipophilic metalloporphyrin. Neurobiology of Disease, 2012, 45, 1068-1076.	4.4	77
32	AEOL10150: A novel therapeutic for rescue treatment after toxic gas lung injury. Free Radical Biology and Medicine, 2011, 50, 602-608.	2.9	53
33	2â€²,5â€²-Dihydroxychalcone-induced glutathione is mediated by oxidative stress and kinase signaling pathways. Free Radical Biology and Medicine, 2011, 51, 1146-1154.	2.9	22
34	Targeting maladaptive glutathione responses in lung disease. Biochemical Pharmacology, 2011, 81, 187-193.	4.4	33
35	Lung glutathione adaptive responses to cigarette smoke exposure. Respiratory Research, 2011, 12, 133.	3.6	60
36	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.	2.9	27

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37	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.	2.5	55
38	Macropinocytosis of Extracellular Glutathione Ameliorates Tumor Necrosis Factor Î± Release in Activated Macrophages. PLoS ONE, 2011, 6, e25704.	2.5	19
39	Hypertonic saline increases lung epithelial lining fluid glutathione and thiocyanate: two protective CFTR-dependent thiols against oxidative injury. Respiratory Research, 2010, 11, 119.	3.6	60
40	Dimethylthiourea protects against chlorine induced changes in airway function in a murine model of irritant induced asthma. Respiratory Research, 2010, 11, 138.	3.6	44
41	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.	2.9	65
42	Glutathione Transport Is a Unique Function of the ATP-binding Cassette Protein ABCG2. Journal of Biological Chemistry, 2010, 285, 16582-16587.	3.4	62
43	Aging Adversely Affects the Cigarette Smokeâ€“induced Glutathione Adaptive Response in the Lung. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1114-1122.	5.6	64
44	CasiopeÃ¤na Ilgly-induced oxidative stress and mitochondrial dysfunction in human lung cancer A549 and H157 cells. Toxicology, 2010, 268, 176-183.	4.2	100
45	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.	2.5	83
46	Catalase and glutathione peroxidase mimics. Biochemical Pharmacology, 2009, 77, 285-296.	4.4	223
47	Select cyclopentenone prostaglandins trigger glutathione efflux and the role of ABCG2 transport. Free Radical Biology and Medicine, 2009, 47, 722-730.	2.9	9
48	Sulfur mustard analog induces oxidative stress and activates signaling cascades in the skin of SKH-1 hairless mice. Free Radical Biology and Medicine, 2009, 47, 1640-1651.	2.9	76
49	Inhibition of Mitochondrial Hydrogen Peroxide Production by Lipophilic Metalloporphyrins. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 970-976.	2.5	40
50	Mycoplasma pneumoniae Infection and Environmental Tobacco Smoke Inhibit Lung Glutathione Adaptive Responses and Increase Oxidative Stress. Infection and Immunity, 2008, 76, 4455-4462.	2.2	40
51	Antioxidants as Potential Therapeutics for Lung Fibrosis. Antioxidants and Redox Signaling, 2008, 10, 355-370.	5.4	119
52	An Orally Active Catalytic Metalloporphyrin Protects against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine NeurotoxicityIn Vivo. Journal of Neuroscience, 2007, 27, 4326-4333.	3.6	92
53	Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. International Journal of Radiation Oncology Biology Physics, 2007, 67, 573-580.	0.8	96
54	Harnessing drug resistance: Using ABC transporter proteins to target cancer cells. Biochemical Pharmacology, 2007, 74, 1677-1685.	4.4	34

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55	Selected flavonoids potentiate the toxicity of cisplatin in human lung adenocarcinoma cells: a role for glutathione depletion. International Journal of Oncology, 2007, 31, 161-8.	3.3	20
56	Flavonoid-induced glutathione depletion: Potential implications for cancer treatment. Free Radical Biology and Medicine, 2006, 41, 65-76.	2.9	115
57	Role for Cystic Fibrosis Transmembrane Conductance Regulator Protein in a Glutathione Response to Bronchopulmonary Pseudomonas Infection. Infection and Immunity, 2004, 72, 2045-2051.	2.2	77
58	Catalytic antioxidants: a radical approach to new therapeutics. Drug Discovery Today, 2004, 9, 557-566.	6.4	176
59	Flavin-dependent antioxidant properties of a new series of meso-N,Nâ€²-dialkyl-imidazolium substituted manganese(III) porphyrins. Biochemical Pharmacology, 2004, 67, 77-85.	4.4	75
60	Antioxidant imbalance in the lungs of cystic fibrosis transmembrane conductance regulator protein mutant mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L31-L38.	2.9	87
61	Neuroprotection from Delayed Postischemic Administration of a Metalloporphyrin Catalytic Antioxidant. Journal of Neuroscience, 2001, 21, 4582-4592.	3.6	153
62	Dependence of excitotoxic neurodegeneration on mitochondrial aconitase inactivation. Journal of Neurochemistry, 2001, 78, 746-755.	3.9	91
63	Metalloporphyrins are potent inhibitors of lipid peroxidation. Free Radical Biology and Medicine, 1999, 26, 730-736.	2.9	149
64	Manganic Porphyrins Possess Catalase Activity and Protect Endothelial Cells against Hydrogen Peroxide-Mediated Injury. Archives of Biochemistry and Biophysics, 1997, 347, 256-262.	3.0	285
65	Extracellular superoxide dismutase is upregulated with inducible nitric oxide synthase after NF-ÎºB activation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L1002-L1006.	2.9	35