

Joshua P Gray

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

944
citations

19
h-index

30
g-index

32
ext. papers

1,036
ext. citations

4.6
avg, IF

3.56
L-index

#	Paper	IF	Citations
30	Mechanisms mediating the vesicant actions of sulfur mustard after cutaneous exposure. <i>Toxicological Sciences</i> , 2010 , 114, 5-19	4.4	160
29	Application of the Amplex red/horseradish peroxidase assay to measure hydrogen peroxide generation by recombinant microsomal enzymes. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1485-91	7.8	91
28	Paraquat increases cyanide-insensitive respiration in murine lung epithelial cells by activating an NAD(P)H:paraquat oxidoreductase: identification of the enzyme as thioredoxin reductase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7939-49	5.4	54
27	Redox cycling and increased oxygen utilization contribute to diquat-induced oxidative stress and cytotoxicity in Chinese hamster ovary cells overexpressing NADPH-cytochrome P450 reductase. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 874-82	7.8	52
26	Glucagon-like peptide-1 induced signaling and insulin secretion do not drive fuel and energy metabolism in primary rodent pancreatic beta-cells. <i>PLoS ONE</i> , 2009 , 4, e6221	3.7	49
25	Increased oxidative stress and antioxidant expression in mouse keratinocytes following exposure to paraquat. <i>Toxicology and Applied Pharmacology</i> , 2008 , 231, 384-92	4.6	40
24	Role for malic enzyme, pyruvate carboxylation, and mitochondrial malate import in glucose-stimulated insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E1354-62	6	39
23	Regulation of peroxisome proliferator-activated receptor alpha by protein kinase C. <i>Biochemistry</i> , 2005 , 44, 10313-21	3.2	39
22	Inflammatory effects of phthalates in neonatal neutrophils. <i>Pediatric Research</i> , 2010 , 68, 134-9	3.2	38
21	Role of cytochrome P450 reductase in nitrofurantoin-induced redox cycling and cytotoxicity. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1169-79	7.8	33
20	Distinct roles of cytochrome P450 reductase in mitomycin C redox cycling and cytotoxicity. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 1852-63	6.1	29
19	Selective targeting of selenocysteine in thioredoxin reductase by the half mustard 2-chloroethyl ethyl sulfide in lung epithelial cells. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1045-53	4	28
18	UVB light upregulates prostaglandin synthases and prostaglandin receptors in mouse keratinocytes. <i>Toxicology and Applied Pharmacology</i> , 2008 , 232, 14-24	4.6	26
17	Inhibition of NADPH cytochrome P450 reductase by the model sulfur mustard vesicant 2-chloroethyl ethyl sulfide is associated with increased production of reactive oxygen species. <i>Toxicology and Applied Pharmacology</i> , 2010 , 247, 76-82	4.6	25
16	Thymoquinone, a bioactive component of <i>Nigella sativa</i> , normalizes insulin secretion from pancreatic β cells under glucose overload via regulation of malonyl-CoA. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E394-404	6	23
15	Distinct effects of ultraviolet B light on antioxidant expression in undifferentiated and differentiated mouse keratinocytes. <i>Carcinogenesis</i> , 2008 , 29, 219-25	4.6	23
14	Usurping the mitochondrial supremacy: extramitochondrial sources of reactive oxygen intermediates and their role in beta cell metabolism and insulin secretion. <i>Toxicology Mechanisms and Methods</i> , 2010 , 20, 167-74	3.6	21

13	NAD kinase regulates the size of the NADPH pool and insulin secretion in pancreatic β cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E191-9	6	20
12	Curcumin, Hesperidin, and Rutin Selectively Interfere with Apoptosis Signaling and Attenuate Streptozotocin-Induced Oxidative Stress-Mediated Hyperglycemia. <i>Current Neurovascular Research</i> , 2015 , 12, 363-74	1.8	20
11	Plasma membrane electron transport in pancreatic β cells is mediated in part by NQO1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E113-21	6	19
10	Sepiapterin reductase mediates chemical redox cycling in lung epithelial cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 19221-37	5.4	17
9	N-Benzyladriamycin-14-valerate (AD 198): a non-cardiotoxic anthracycline that is cardioprotective through PKC-epsilon activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 658-67	4.7	17
8	Mechanisms of Doxorubicin Toxicity in Pancreatic β Cells. <i>Toxicological Sciences</i> , 2016 , 152, 395-405	4.4	16
7	The ribosomal protein rpl11 associates with and inhibits the transcriptional activity of peroxisome proliferator-activated receptor-alpha. <i>Toxicological Sciences</i> , 2006 , 89, 535-46	4.4	15
6	Potential role of caveolin-1 in acetaminophen-induced hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2010 , 245, 36-46	4.6	13
5	The level of menadione redox-cycling in pancreatic β cells is proportional to the glucose concentration: role of NADH and consequences for insulin secretion. <i>Toxicology and Applied Pharmacology</i> , 2012 , 258, 216-25	4.6	10
4	NAD(P)H-dependent quinone oxidoreductase 1 (NQO1) and cytochrome P450 oxidoreductase (CYP450OR) differentially regulate menadione-mediated alterations in redox status, survival and metabolism in pancreatic β cells. <i>Toxicology Letters</i> , 2016 , 262, 1-11	4.4	10
3	Teaching Electrochemistry in the General Chemistry Laboratory through Corrosion Exercises. <i>Journal of Chemical Education</i> , 2018 , 95, 842-846	2.4	8
2	Evidence of aryl hydrocarbon receptor ligands in Presque Isle Bay of Lake Erie. <i>Aquatic Toxicology</i> , 2003 , 64, 343-58	5.1	8
1	Dermal Toxicity of Sulfur Mustard 2009 , 611-630		1