Vanessa A Fitsanakis

List of Publications by Citations

33 papers	1,366 citations	20 h-index	34 g-index
34 ext. papers	1,515 ext. citations	4.4 avg, IF	3.99 L-index

#	Paper	IF	Citations
33	Manganese ethylene-bis-dithiocarbamate and selective dopaminergic neurodegeneration in rat: a link through mitochondrial dysfunction. *Journal of Neurochemistry*, **2003**, 84, 336-46	6	167
32	The effects of manganese on glutamate, dopamine and gamma-aminobutyric acid regulation. *Neurochemistry International*, **2006**, 48, 426-33	4.4	114
31	Manganese (Mn) and iron (Fe): interdependency of transport and regulation. *Neurotoxicity Research* , **2010**, 18, 124-31	4.3	105
30	Manganese exposure is cytotoxic and alters dopaminergic and GABAergic neurons within the basal ganglia. *Journal of Neurochemistry*, **2009**, 110, 378-89	6	93
29	The importance of glutamate, glycine, and gamma-aminobutyric acid transport and regulation in manganese, mercury and lead neurotoxicity. *Toxicology and Applied Pharmacology*, **2005**, 204, 343-54	4.6	90
28	Changes in dietary iron exacerbate regional brain manganese accumulation as determined by magnetic resonance imaging. *Toxicological Sciences*, **2011**, 120, 146-53	4.4	77
27	Catalysis of catechol oxidation by metal-dithiocarbamate complexes in pesticides. *Free Radical Biology and Medicine*, **2002**, 33, 1714-23	7.8	74
26	Measuring brain manganese and iron accumulation in rats following 14 weeks of low-dose manganese treatment using atomic absorption spectroscopy and magnetic resonance imaging. *Toxicological Sciences*, **2008**, 103, 116-24	4.4	62
25	Exposure to glyphosate- and/or Mn/Zn-ethylene-bis-dithiocarbamate-containing pesticides leads to degeneration of □aminobutyric acid and dopamine neurons in Caenorhabditis elegans. *Neurotoxicity Research*, **2012**, 21, 281-90	4.3	59
24	The use of magnetic resonance imaging (MRI) in the study of manganese neurotoxicity. *NeuroToxicology*, **2006**, 27, 798-806	4.4	56
23	Exposure to Mn/Zn ethylene-bis-dithiocarbamate and glyphosate pesticides leads to neurodegeneration in Caenorhabditis elegans. *NeuroToxicology*, **2011**, 32, 331-41	4.4	55
22	Chronic exposure to a glyphosate-containing pesticide leads to mitochondrial dysfunction and increased reactive oxygen species production in Caenorhabditis elegans. *Environmental Toxicology and Pharmacology*, **2018**, 57, 46-52	5.8	45
21	Alterations of oxidative stress biomarkers due to in utero and neonatal exposures of airborne manganese. *Biological Trace Element Research*, **2006**, 111, 199-215	4.5	42
20	Effects of inhaled manganese on biomarkers of oxidative stress in the rat brain. *NeuroToxicology*, **2006**, 27, 788-97	4.4	37
19	A chronic iron-deficient/high-manganese diet in rodents results in increased brain oxidative stress and behavioral deficits in the morris water maze. *Neurotoxicity Research*, **2009**, 15, 167-78	4.3	32
18	The in vitro uptake of glutamate in GLAST and GLT-1 transfected mutant CHO-K1 cells is inhibited by manganese. *Biological Trace Element Research*, **2005**, 107, 221-30	4.5	28
17	Putative proteins involved in manganese transport across the blood-brain barrier. *Human and Experimental Toxicology*, **2007**, 26, 295-302	3.4	26

16	A model for the analysis of competitive relaxation effects of manganese and iron in vivo. *NMR in Biomedicine*, **2009**, 22, 391-404	4.4	25
15	Brain accumulation of depleted uranium in rats following 3- or 6-month treatment with implanted depleted uranium pellets. *Biological Trace Element Research*, **2006**, 111, 185-97	4.5	21
14	Differential deposition of manganese in the rat brain following subchronic exposure to manganese: a T1-weighted magnetic resonance imaging study. *Israel Medical Association Journal*, **2008**, 10, 793-8	0.9	21
13	Acute exposure to a glyphosate-containing herbicide formulation inhibits Complex II and increases hydrogen peroxide in the model organism Caenorhabditis elegans. *Environmental Toxicology and Pharmacology*, **2019**, 66, 36-42	5.8	20
12	Exposure of C. elegans eggs to a glyphosate-containing herbicide leads to abnormal neuronal morphology. *Neurotoxicology and Teratology*, **2016**, 55, 23-31	3.9	19
11	Caenorhabditis elegans chronically exposed to a Mn/Zn ethylene-bis-dithiocarbamate fungicide show mitochondrial Complex I inhibition and increased reactive oxygen species. *NeuroToxicology*, **2016**, 56, 170-179	4.4	18
10	Blood-brain barrier and cell-cell interactions: methods for establishing in vitro models of the blood-brain barrier and transport measurements. *Methods in Molecular Biology*, **2006**, 341, 1-15	1.4	17
9	Manganese transport by rat brain endothelial (RBE4) cell-based transwell model in the presence of astrocyte conditioned media. *Journal of Neuroscience Research*, **2005**, 81, 235-43	4.4	17
8	Characteristics of manganese (Mn) transport in rat brain endothelial (RBE4) cells, an in vitro model of the blood-brain barrier. *NeuroToxicology*, **2006**, 27, 60-70	4.4	16
7	Acute exposure to a Mn/Zn ethylene-bis-dithiocarbamate fungicide leads to mitochondrial dysfunction and increased reactive oxygen species production in Caenorhabditis elegans. *NeuroToxicology*, **2016**, 57, 112-120	4.4	16
6	Caenorhabditis elegans as a Model to Assess Reproductive and Developmental Toxicity **2017**, 303-314		3
5	Transport of a manganese/zinc ethylene-bis-dithiocarbamate fungicide may involve pre-synaptic dopaminergic transporters. *Neurotoxicology and Teratology*, **2018**, 68, 66-71	3.9	3
4	Society of Toxicology Develops Learning Framework for Undergraduate Toxicology Courses Following the Vision and Change Core Concepts Model. *Toxicological Sciences*, **2019**, 170, 20-24	4.4	2
3	Caenorhabditis elegans: an elegant model organism for evaluating the neuroprotective and neurotherapeutic potential of nutraceuticals **2021**, 411-430		0
2	Changes in Dietary Iron Levels Affect Brain Manganese Accumulation and Distribution. *Cell Biology and Toxicology*, **2009**, 25, 185-215	7.4	
1	Caenorhabditis elegans as a model to assess reproductive and developmental toxicity **2022**, 253-264		