

Keith M Erikson

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.

66

papers

4,454

citations

37

h-index

66

g-index

67

ext. papers

4,941

ext. citations

4.6

avg, IF

5.27

L-index

#	Paper	IF	Citations
66	Manganese neurotoxicity. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1012, 115-28	6.5	365
65	Manganese dosimetry: species differences and implications for neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2005 , 35, 1-32	5.7	238
64	Iron deficiency decreases dopamine D1 and D2 receptors in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2001 , 69, 409-18	3.9	221
63	Manganese and its role in Parkinson's disease: from transport to neuropathology. <i>NeuroMolecular Medicine</i> , 2009 , 11, 252-66	4.6	213
62	Iron deficiency alters dopamine transporter functioning in rat striatum. <i>Journal of Nutrition</i> , 2000 , 130, 2831-7	4.1	202
61	Manganese neurotoxicity: a focus on the neonate 2007 , 113, 369-77		178
60	Regional brain iron, ferritin and transferrin concentrations during iron deficiency and iron repletion in developing rats. <i>Journal of Nutrition</i> , 1997 , 127, 2030-8	4.1	177
59	Manganese neurotoxicity and glutamate-GABA interaction. <i>Neurochemistry International</i> , 2003 , 43, 475-80	4.1	164
58	Interactions between excessive manganese exposures and dietary iron-deficiency in neurodegeneration. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 415-21	5.8	158
57	In vivo dopamine metabolism is altered in iron-deficient anemic rats. <i>Journal of Nutrition</i> , 1997 , 127, 2282-8	4.8	138
56	Manganese accumulates in iron-deficient rat brain regions in a heterogeneous fashion and is associated with neurochemical alterations. <i>Biological Trace Element Research</i> , 2002 , 87, 143-56	4.5	138
55	Manganese exposure and induced oxidative stress in the rat brain. <i>Science of the Total Environment</i> , 2004 , 334-335, 409-16	10.2	119
54	Ferroportin is a manganese-responsive protein that decreases manganese cytotoxicity and accumulation. <i>Journal of Neurochemistry</i> , 2010 , 112, 1190-8	6	118
53	The effects of manganese on glutamate, dopamine and gamma-aminobutyric acid regulation. <i>Neurochemistry International</i> , 2006 , 48, 426-33	4.4	114
52	Obesity alters adipose tissue macrophage iron content and tissue iron distribution. <i>Diabetes</i> , 2014 , 63, 421-32	0.9	100
51	Globus pallidus: a target brain region for divalent metal accumulation associated with dietary iron deficiency. <i>Journal of Nutritional Biochemistry</i> , 2004 , 15, 335-41	6.3	98
50	Neurobehavioral analysis of developmental iron deficiency in rats. <i>Behavioural Brain Research</i> , 2002 , 134, 517-24	3.4	97

49	Manganese causes differential regulation of glutamate transporter (GLAST) taurine transporter and metallothionein in cultured rat astrocytes. <i>NeuroToxicology</i> , 2002 , 23, 595-602	4.4	93
48	Manganese inhalation by rhesus monkeys is associated with brain regional changes in biomarkers of neurotoxicity. <i>Toxicological Sciences</i> , 2007 , 97, 459-66	4.4	88
47	Increased manganese uptake by primary astrocyte cultures with altered iron status is mediated primarily by divalent metal transporter. <i>NeuroToxicology</i> , 2006 , 27, 125-30	4.4	78
46	Changes in dietary iron exacerbate regional brain manganese accumulation as determined by magnetic resonance imaging. <i>Toxicological Sciences</i> , 2011 , 120, 146-53	4.4	77
45	In vivo manganese exposure modulates Erk, Akt and Darpp-32 in the striatum of developing rats, and impairs their motor function. <i>PLoS ONE</i> , 2012 , 7, e33057	3.7	68
44	Iron overload alters iron-regulatory genes and proteins, down-regulates osteoblastic phenotype, and is associated with apoptosis in fetal rat calvaria cultures. <i>Bone</i> , 2009 , 45, 972-9	4.7	65
43	Manganese-exposed developing rats display motor deficits and striatal oxidative stress that are reversed by Trolox. <i>Archives of Toxicology</i> , 2013 , 87, 1231-44	5.8	62
42	Measuring brain manganese and iron accumulation in rats following 14 weeks of low-dose manganese treatment using atomic absorption spectroscopy and magnetic resonance imaging. <i>Toxicological Sciences</i> , 2008 , 103, 116-24	4.4	62
41	Disease-toxicant screen reveals a neuroprotective interaction between Huntington's disease and manganese exposure. <i>Journal of Neurochemistry</i> , 2010 , 112, 227-37	6	59
40	Duration of airborne-manganese exposure in rhesus monkeys is associated with brain regional changes in biomarkers of neurotoxicity. <i>NeuroToxicology</i> , 2008 , 29, 377-85	4.4	59
39	Inhibition of DAT function attenuates manganese accumulation in the globus pallidus. <i>Environmental Toxicology and Pharmacology</i> , 2007 , 23, 179-84	5.8	59
38	Oxidative stress is induced in the rat brain following repeated inhalation exposure to manganese sulfate. <i>Biological Trace Element Research</i> , 2003 , 93, 113-26	4.5	50
37	Manganese accumulation in striatum of mice exposed to toxic doses is dependent upon a functional dopamine transporter. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 20, 390-4	5.8	48
36	Altered manganese homeostasis and manganese toxicity in a Huntington's disease striatal cell model are not explained by defects in the iron transport system. <i>Toxicological Sciences</i> , 2010 , 117, 169-79	4.4	47
35	Glutamate/aspartate transporter (GLAST), taurine transporter and metallothionein mRNA levels are differentially altered in astrocytes exposed to manganese chloride, manganese phosphate or manganese sulfate. <i>NeuroToxicology</i> , 2002 , 23, 281-8	4.4	45
34	Iron deficiency in young rats alters the distribution of vitamin A between plasma and liver and between hepatic retinol and retinyl esters. <i>Journal of Nutrition</i> , 1999 , 129, 1223-8	4.1	45
33	Manganese exposure alters extracellular GABA, GABA receptor and transporter protein and mRNA levels in the developing rat brain. <i>NeuroToxicology</i> , 2008 , 29, 1044-53	4.4	44
32	Alterations of oxidative stress biomarkers due to in utero and neonatal exposures of airborne manganese. <i>Biological Trace Element Research</i> , 2006 , 111, 199-215	4.5	42

31	Genetic risk for Parkinson's disease correlates with alterations in neuronal manganese sensitivity between two human subjects. <i>NeuroToxicology</i> , 2012 , 33, 1443-1449	4.4	39
30	Brain manganese accumulation is inversely related to gamma-amino butyric acid uptake in male and female rats. <i>Toxicological Sciences</i> , 2007 , 95, 188-95	4.4	38
29	PARK2 patient neuroprogenitors show increased mitochondrial sensitivity to copper. <i>Neurobiology of Disease</i> , 2015 , 73, 204-12	7.5	37
28	Effects of inhaled manganese on biomarkers of oxidative stress in the rat brain. <i>NeuroToxicology</i> , 2006 , 27, 788-97	4.4	37
27	Effects of manganese (Mn) on the developing rat brain: oxidative-stress related endpoints. <i>NeuroToxicology</i> , 2002 , 23, 169-75	4.4	37
26	Extracellular norepinephrine, norepinephrine receptor and transporter protein and mRNA levels are differentially altered in the developing rat brain due to dietary iron deficiency and manganese exposure. <i>Brain Research</i> , 2009 , 1281, 1-14	3.7	36
25	Manganese. <i>Advances in Nutrition</i> , 2017 , 8, 520-521	10	32
24	A chronic iron-deficient/high-manganese diet in rodents results in increased brain oxidative stress and behavioral deficits in the morris water maze. <i>Neurotoxicity Research</i> , 2009 , 15, 167-78	4.3	32
23	Airborne manganese exposure differentially affects end points of oxidative stress in an age- and sex-dependent manner. <i>Biological Trace Element Research</i> , 2004 , 100, 49-62	4.5	31
22	Waterborne manganese exposure alters plasma, brain, and liver metabolites accompanied by changes in stereotypic behaviors. <i>Neurotoxicology and Teratology</i> , 2012 , 34, 27-36	3.9	29
21	Manganese exposure inhibits the clearance of extracellular GABA and influences taurine homeostasis in the striatum of developing rats. <i>NeuroToxicology</i> , 2010 , 31, 639-46	4.4	29
20	Persistent alterations in biomarkers of oxidative stress resulting from combined in utero and neonatal manganese inhalation. <i>Biological Trace Element Research</i> , 2005 , 104, 151-63	4.5	27
19	Effects of developmental manganese, stress, and the combination of both on monoamines, growth, and corticosterone. <i>Toxicology Reports</i> , 2014 , 1, 1046-1061	4.8	25
18	Iron and manganese-related CNS toxicity: mechanisms, diagnosis and treatment. <i>Expert Review of Neurotherapeutics</i> , 2019 , 19, 243-260	4.3	23
17	Manganese: Its Role in Disease and Health. <i>Metal Ions in Life Sciences</i> , 2019 , 19,	2.6	18
16	Huntington's disease genotype suppresses global manganese-responsive processes in pre-manifest and manifest YAC128 mice. <i>Metallomics</i> , 2020 , 12, 1118-1130	4.5	10
15	MFe adipose tissue macrophages compensate for tissue iron perturbations in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 315, C319-C329	5.4	10
14	The impact of obesity on brain iron levels and β synuclein expression is regionally dependent. <i>Nutritional Neuroscience</i> , 2019 , 22, 335-343	3.6	8

13	Manganese accumulation in membrane fractions of primary astrocytes is associated with decreased GABA uptake, and is exacerbated by oleic acid and palmitate. <i>Environmental Toxicology and Pharmacology</i> , 2014 , 37, 1148-56	5.8	7
12	The Effects of Dietary Fat and Iron Interaction on Brain Regional Iron Contents and Stereotypical Behaviors in Male C57BL/6J Mice. <i>Frontiers in Nutrition</i> , 2016 , 3, 20	6.2	6
11	The Importance of Trace Elements for Neurological Function 2011 , 423-439		3
10	The influence of sex and strain on trace element dysregulation in the brain due to diet-induced obesity. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 63, 126661	4.1	2
9	YAC128 mouse model of Huntington disease is protected against subtle chronic manganese (Mn)-induced behavioral and neuropathological changes. <i>NeuroToxicology</i> , 2021 , 87, 94-105	4.4	2
8	Transport and Biological Impact of Manganese 2010 , 127-141		1
7	The impact of a high-fat diet on physical activity and dopamine neurochemistry in the striatum is sex and strain dependent in C57BL/6J and DBA/2J mice. <i>Nutritional Neuroscience</i> , 2021 , 1-15	3.6	1
6	Diet-Induced Obesity Disrupts Trace Element Homeostasis and Gene Expression in the Olfactory Bulb. <i>Nutrients</i> , 2020 , 12,	6.7	1
5	Genetic differences in ethanol consumption: effects on iron, copper, and zinc regulation in mouse hippocampus. <i>BioMetals</i> , 2021 , 34, 1059-1066	3.4	0
4	Manganese Transport into the Brain: Putative Mechanisms 2008 , 10, 695-700		
3	Dietary-Induced Obesity Disturbs Iron Homeostasis and Alpha-Synuclein Expression in C57BL/6J Mouse Brains. <i>FASEB Journal</i> , 2015 , 29, 920.7	0.9	
2	The Neurochemical Alterations Associated with Manganese Toxicity 2012 , 549-567		
1	Elevated whole blood manganese is associated with impaired cognition in older adults, NHANES 2013-2014 cycle.. <i>NeuroToxicology</i> , 2022 , 91, 94-99	4.4	