Keith M Erikson

List of Publications by Year in Descending Order

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	Elevated whole blood manganese is associated with impaired cognition in older adults, NHANES 2013-2014 cycle.. *NeuroToxicology*, **2022**, 91, 94-99	4.4	
65	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. *Nutritional Neuroscience*, **2021**, 1-15	3.6	1
64	Genetic differences in ethanol consumption: effects on iron, copper, and zinc regulation in mouse hippocampus. *BioMetals*, **2021**, 34, 1059-1066	3.4	0
63	The influence of sex and strain on trace element dysregulation in the brain due to diet-induced obesity. *Journal of Trace Elements in Medicine and Biology*, **2021**, 63, 126661	4.1	2
62	YAC128 mouse model of Huntington disease is protected against subtle chronic manganese (Mn)-induced behavioral and neuropathological changes. *NeuroToxicology*, **2021**, 87, 94-105	4.4	2
61	HuntingtonW disease genotype suppresses global manganese-responsive processes in pre-manifest and manifest YAC128 mice. *Metallomics*, **2020**, 12, 1118-1130	4.5	10
60	Diet-Induced Obesity Disrupts Trace Element Homeostasis and Gene Expression in the Olfactory Bulb. *Nutrients*, **2020**, 12,	6.7	1
59	Iron and manganese-related CNS toxicity: mechanisms, diagnosis and treatment. *Expert Review of Neurotherapeutics*, **2019**, 19, 243-260	4.3	23
58	Manganese: Its Role in Disease and Health. *Metal Ions in Life Sciences*, **2019**, 19,	2.6	18
57	The impact of obesity on brain iron levels and synuclein expression is regionally dependent. *Nutritional Neuroscience*, **2019**, 22, 335-343	3.6	8
56	MFe adipose tissue macrophages compensate for tissue iron perturbations in mice. *American Journal of Physiology - Cell Physiology*, **2018**, 315, C319-C329	5.4	10
55	Manganese. *Advances in Nutrition*, **2017**, 8, 520-521	10	32
54	The Effects of Dietary Fat and Iron Interaction on Brain Regional Iron Contents and Stereotypical Behaviors in Male C57BL/6J Mice. *Frontiers in Nutrition*, **2016**, 3, 20	6.2	6
53	PARK2 patient neuroprogenitors show increased mitochondrial sensitivity to copper. *Neurobiology of Disease*, **2015**, 73, 204-12	7.5	37
52	Dietary-Induced Obesity Disturbs Iron Homeostasis and Alpha-Synuclein Expression in C57BL/6J Mouse Brains. *FASEB Journal*, **2015**, 29, 920.7	0.9	
51	Obesity alters adipose tissue macrophage iron content and tissue iron distribution. *Diabetes*, **2014**, 63, 421-32	0.9	100
50	Manganese accumulation in membrane fractions of primary astrocytes is associated with decreased aminobutyric acid (GABA) uptake, and is exacerbated by oleic acid and palmitate. *Environmental Toxicology and Pharmacology*, **2014**, 37, 1148-56	5.8	7

49	Effects of developmental manganese, stress, and the combination of both on monoamines, growth, and corticosterone. *Toxicology Reports*, **2014**, 1, 1046-1061	4.8	25
48	Manganese-exposed developing rats display motor deficits and striatal oxidative stress that are reversed by Trolox. *Archives of Toxicology*, **2013**, 87, 1231-44	5.8	62
47	Waterborne manganese exposure alters plasma, brain, and liver metabolites accompanied by changes in stereotypic behaviors. *Neurotoxicology and Teratology*, **2012**, 34, 27-36	3.9	29
46	Genetic risk for Parkinson's disease correlates with alterations in neuronal manganese sensitivity between two human subjects. *NeuroToxicology*, **2012**, 33, 1443-1449	4.4	39
45	In vivo manganese exposure modulates Erk, Akt and Darpp-32 in the striatum of developing rats, and impairs their motor function. *PLoS ONE*, **2012**, 7, e33057	3.7	68
44	The Neurochemical Alterations Associated with Manganese Toxicity **2012**, 549-567		
43	The Importance of Trace Elements for Neurological Function **2011**, 423-439		3
42	Changes in dietary iron exacerbate regional brain manganese accumulation as determined by magnetic resonance imaging. *Toxicological Sciences*, **2011**, 120, 146-53	4.4	77
41	Disease-toxicant screen reveals a neuroprotective interaction between Huntington's disease and manganese exposure. *Journal of Neurochemistry*, **2010**, 112, 227-37	6	59
40	Ferroportin is a manganese-responsive protein that decreases manganese cytotoxicity and accumulation. *Journal of Neurochemistry*, **2010**, 112, 1190-8	6	118
39	Manganese exposure inhibits the clearance of extracellular GABA and influences taurine homeostasis in the striatum of developing rats. *NeuroToxicology*, **2010**, 31, 639-46	4.4	29
38	Altered manganese homeostasis and manganese toxicity in a Huntington's disease striatal cell model are not explained by defects in the iron transport system. *Toxicological Sciences*, **2010**, 117, 169-79	4.4	47
37	Transport and Biological Impact of Manganese **2010**, 127-141		1
36	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. *Brain Research*, **2009**, 1281, 1-14	3.7	36
35	Manganese and its role in Parkinson's disease: from transport to neuropathology. *NeuroMolecular Medicine*, **2009**, 11, 252-66	4.6	213
34	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
33	Iron overload alters iron-regulatory genes and proteins, down-regulates osteoblastic phenotype, and is associated with apoptosis in fetal rat calvaria cultures. *Bone*, **2009**, 45, 972-9	4.7	65
32	Duration of airborne-manganese exposure in rhesus monkeys is associated with brain regional changes in biomarkers of neurotoxicity. *NeuroToxicology*, **2008**, 29, 377-85	4.4	59

31	Manganese exposure alters extracellular GABA, GABA receptor and transporter protein and mRNA levels in the developing rat brain. *NeuroToxicology*, **2008**, 29, 1044-53	4.4	44
30	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
29	Manganese Transport into the Brain: Putative Mechanisms **2008**, 10, 695-700		
28	Manganese neurotoxicity: a focus on the neonate **2007**, 113, 369-77		178
27	Manganese inhalation by rhesus monkeys is associated with brain regional changes in biomarkers of neurotoxicity. *Toxicological Sciences*, **2007**, 97, 459-66	4.4	88
26	Brain manganese accumulation is inversely related to gamma-amino butyric acid uptake in male and female rats. *Toxicological Sciences*, **2007**, 95, 188-95	4.4	38
25	Inhibition of DAT function attenuates manganese accumulation in the globus pallidus. *Environmental Toxicology and Pharmacology*, **2007**, 23, 179-84	5.8	59
24	The effects of manganese on glutamate, dopamine and gamma-aminobutyric acid regulation. *Neurochemistry International*, **2006**, 48, 426-33	4.4	114
23	Increased manganese uptake by primary astrocyte cultures with altered iron status is mediated primarily by divalent metal transporter. *NeuroToxicology*, **2006**, 27, 125-30	4.4	78
22	Effects of inhaled manganese on biomarkers of oxidative stress in the rat brain. *NeuroToxicology*, **2006**, 27, 788-97	4.4	37
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	Interactions between excessive manganese exposures and dietary iron-deficiency in neurodegeneration. *Environmental Toxicology and Pharmacology*, **2005**, 19, 415-21	5.8	158
19	Manganese accumulation in striatum of mice exposed to toxic doses is dependent upon a functional dopamine transporter. *Environmental Toxicology and Pharmacology*, **2005**, 20, 390-4	5.8	48
18	Persistent alterations in biomarkers of oxidative stress resulting from combined in utero and neonatal manganese inhalation. *Biological Trace Element Research*, **2005**, 104, 151-63	4.5	27
17	Manganese dosimetry: species differences and implications for neurotoxicity. *Critical Reviews in Toxicology*, **2005**, 35, 1-32	5.7	238
16	Manganese exposure and induced oxidative stress in the rat brain. *Science of the Total Environment*, **2004**, 334-335, 409-16	10.2	119
15	Airborne manganese exposure differentially affects end points of oxidative stress in an age- and sex-dependent manner. *Biological Trace Element Research*, **2004**, 100, 49-62	4.5	31
14	Manganese neurotoxicity. *Annals of the New York Academy of Sciences*, **2004**, 1012, 115-28	6.5	365

13	Globus pallidus: a target brain region for divalent metal accumulation associated with dietary iron deficiency. *Journal of Nutritional Biochemistry*, **2004**, 15, 335-41	6.3	98
12	Oxidative stress is induced in the rat brain following repeated inhalation exposure to manganese sulfate. *Biological Trace Element Research*, **2003**, 93, 113-26	4.5	50
11	Manganese neurotoxicity and glutamate-GABA interaction. *Neurochemistry International*, **2003**, 43, 475-80	4.4	164
10	Manganese accumulates in iron-deficient rat brain regions in a heterogeneous fashion and is associated with neurochemical alterations. *Biological Trace Element Research*, **2002**, 87, 143-56	4.5	138
9	Manganese causes differential regulation of glutamate transporter (GLAST) taurine transporter and metallothionein in cultured rat astrocytes. *NeuroToxicology*, **2002**, 23, 595-602	4.4	93
8	Effects of manganese (Mn) on the developing rat brain: oxidative-stress related endpoints. *NeuroToxicology*, **2002**, 23, 169-75	4.4	37
7	Glutamate/aspartate transporter (GLAST), taurine transporter and metallothionein mRNA levels are differentially altered in astrocytes exposed to manganese chloride, manganese phosphate or manganese sulfate. *NeuroToxicology*, **2002**, 23, 281-8	4.4	45
6	Neurobehavioral analysis of developmental iron deficiency in rats. *Behavioural Brain Research*, **2002** , 134, 517-24	3.4	97
5	Iron deficiency decreases dopamine D1 and D2 receptors in rat brain. *Pharmacology Biochemistry and Behavior*, **2001**, 69, 409-18	3.9	221
4	Iron deficiency alters dopamine transporter functioning in rat striatum. *Journal of Nutrition*, **2000**, 130, 2831-7	4.1	202
3	Iron deficiency in young rats alters the distribution of vitamin A between plasma and liver and between hepatic retinol and retinyl esters. *Journal of Nutrition*, **1999**, 129, 1223-8	4.1	45
2	In vivo dopamine metabolism is altered in iron-deficient anemic rats. *Journal of Nutrition*, **1997**, 127, 2282-8	4.1	138
1	Regional brain iron, ferritin and transferrin concentrations during iron deficiency and iron repletion in developing rats. *Journal of Nutrition*, **1997**, 127, 2030-8	4.1	177