

Wei Liu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,151
citations

331670

21
h-index

454955

30
g-index

51
all docs

51
docs citations

51
times ranked

1382
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective role of m6A binding protein YTHDC2 on CCNB2 in manganese-induced spermatogenesis dysfunction. <i>Chemico-Biological Interactions</i> , 2022, 351, 109754.	4.0	8
2	Protective role of mRNA demethylase FTO on axon guidance molecules of nigro-striatal projection system in manganese-induced parkinsonism. <i>Journal of Hazardous Materials</i> , 2022, 426, 128099.	12.4	21
3	Advances on the Influence of Methylmercury Exposure during Neurodevelopment. <i>Chemical Research in Toxicology</i> , 2022, 35, 43-58.	3.3	11
4	Shedding New Light on Methylmercury-induced Neurotoxicity Through the Crosstalk Between Autophagy and Apoptosis. <i>Toxicology Letters</i> , 2022, , .	0.8	5
5	<i>Drosophila</i> carrying epilepsy-associated variants in the vitamin B6 metabolism gene <i>PNPO</i> display allele- and diet-dependent phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
6	Suppression of axonal attractant netrin-1 injured dopaminergic neuronal and motor function of mice during manganese overexposure. <i>Metallomics</i> , 2022, 14, .	2.4	1
7	Unbalanced ER-mitochondrial calcium homeostasis promotes mitochondrial dysfunction and associated apoptotic pathways activation in methylmercury exposed rat cortical neurons. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	3.0	4
8	Sirtuin 3 is required for the protective effect of Resveratrol on Manganese-induced disruption of mitochondrial biogenesis in primary cultured neurons. <i>Journal of Neurochemistry</i> , 2021, 156, 121-135.	3.9	33
9	The Roles of Oxidative Stress in Regulating Autophagy in Methylmercury-induced Neurotoxicity. <i>Neuroscience</i> , 2021, 469, 175-190.	2.3	9
10	Manganese-induced alpha-synuclein overexpression aggravates mitochondrial damage by repressing PINK1/Parkin-mediated mitophagy. <i>Food and Chemical Toxicology</i> , 2021, 152, 112213.	3.6	13
11	Mechanisms of oxidative stress in methylmercury-induced neurodevelopmental toxicity. <i>NeuroToxicology</i> , 2021, 85, 33-46.	3.0	22
12	The effects of mTOR or Vps34-mediated autophagy on methylmercury-induced neuronal apoptosis in rat cerebral cortex. <i>Food and Chemical Toxicology</i> , 2021, 155, 112386.	3.6	11
13	Manganese induces autophagy dysregulation: The role of S-nitrosylation in regulating autophagy related proteins in vivo and in vitro. <i>Science of the Total Environment</i> , 2020, 698, 134294.	8.0	30
14	Manganese activates autophagy to alleviate endoplasmic reticulum stress-induced apoptosis via PERK pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 328-341.	3.6	28
15	IRE1 signaling pathway mediates protective autophagic response against manganese-induced neuronal apoptosis in vivo and in vitro. <i>Science of the Total Environment</i> , 2020, 712, 136480.	8.0	48
16	Prepubertal overexposure to manganese induce precocious puberty through GABAA receptor/nitric oxide pathway in immature female rats. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109898.	6.0	11
17	Alpha-synuclein is involved in manganese-induced spatial memory and synaptic plasticity impairments via TrkB/Akt/Fyn-mediated phosphorylation of NMDA receptors. <i>Cell Death and Disease</i> , 2020, 11, 834.	6.3	33
18	Fluoxetine and Riluzole Mitigates Manganese-Induced Disruption of Glutamate Transporters and Excitotoxicity via Ephrin-A3/GLAST-GLT-1/Glu Signaling Pathway in Striatum of Mice. <i>Neurotoxicity Research</i> , 2020, 38, 508-523.	2.7	6

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19	Manganese exposure caused reproductive toxicity of male mice involving activation of GnRH secretion in the hypothalamus by prostaglandin E2 receptors EP1 and EP2. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110712.	6.0	14
20	Resveratrol prevents benzo(a)pyrene-induced disruption of mitochondrial homeostasis via the AMPK signaling pathway in primary cultured neurons. <i>Environmental Pollution</i> , 2020, 261, 114207.	7.5	27
21	Oxidative stress accelerates synaptic glutamate dyshomeostasis and NMDARs disorder during methylmercury-induced neuronal apoptosis in rat cerebral cortex. <i>Environmental Toxicology</i> , 2020, 35, 683-696.	4.0	13
22	AKT activator SC79 protects hepatocytes from TNF- α -mediated apoptosis and alleviates Gal/LPS-induced liver injury. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G387-G396.	3.4	51
23	Mn-Induced Neurocytes Injury and Autophagy Dysfunction in Alpha-Synuclein Wild-Type and Knock-Out Mice: Highlighting the Role of Alpha-Synuclein. <i>Neurotoxicity Research</i> , 2019, 36, 66-80.	2.7	30
24	Corynoxine B ameliorates HMGB1-dependent autophagy dysfunction during manganese exposure in SH-SY5Y human neuroblastoma cells. <i>Food and Chemical Toxicology</i> , 2019, 124, 336-348.	3.6	22
25	Occupational manganese exposure, reproductive hormones, and semen quality in male workers: A cross-sectional study. <i>Toxicology and Industrial Health</i> , 2019, 35, 53-62.	1.4	21
26	Methyl-mercury induces apoptosis through ROS-mediated endoplasmic reticulum stress and mitochondrial apoptosis pathways activation in rat cortical neurons. <i>Free Radical Research</i> , 2019, 53, 26-44.	3.3	46
27	Manganese-induced alpha-synuclein overexpression impairs synaptic vesicle fusion by disrupting the Rab3 cycle in primary cultured neurons. <i>Toxicology Letters</i> , 2018, 285, 34-42.	0.8	11
28	Effect of the cross-talk between autophagy and endoplasmic reticulum stress on Mn-induced alpha-synuclein oligomerization. <i>Environmental Toxicology</i> , 2018, 33, 315-324.	4.0	22
29	Mn Inhibits GSH Synthesis via Downregulation of Neuronal EAAC1 and Astrocytic xCT to Cause Oxidative Damage in the Striatum of Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-15.	4.0	27
30	Alpha-Synuclein and Calpains Disrupt SNARE-Mediated Synaptic Vesicle Fusion During Manganese Exposure in SH-SY5Y Cells. <i>Cells</i> , 2018, 7, 258.	4.1	18
31	Sulforaphane Prevents Methylmercury-Induced Oxidative Damage and Excitotoxicity Through Activation of the Nrf2-ARE Pathway. <i>Molecular Neurobiology</i> , 2017, 54, 375-391.	4.0	44
32	Alpha-lipoic acid reduces methylmercury-induced neuronal injury in rat cerebral cortex via antioxidation pathways. <i>Environmental Toxicology</i> , 2017, 32, 931-943.	4.0	16
33	Manganese exposure disrupts SNARE protein complex-mediated vesicle fusion in primary cultured neurons. <i>Environmental Toxicology</i> , 2017, 32, 705-716.	4.0	9
34	VPS34 Acetylation Controls Its Lipid Kinase Activity and the Initiation of Canonical and Non-canonical Autophagy. <i>Molecular Cell</i> , 2017, 67, 907-921.e7.	9.7	110
35	The role of Nitrosylation in manganese-induced autophagy dysregulation in SH-SY5Y cells. <i>Environmental Toxicology</i> , 2017, 32, 2428-2439.	4.0	23
36	Inhibition of Calpains Protects Mn-Induced Neurotransmitter release disorders in Synaptosomes from Mice: Involvement of SNARE Complex and Synaptic Vesicle Fusion. <i>Scientific Reports</i> , 2017, 7, 3701.	3.3	14

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37	Memantine, a Low-Affinity NMDA Receptor Antagonist, Protects against Methylmercury-Induced Cytotoxicity of Rat Primary Cultured Cortical Neurons, Involvement of Ca ²⁺ Dyshomeostasis Antagonism, and Indirect Antioxidation Effects. <i>Molecular Neurobiology</i> , 2017, 54, 5034-5050.	4.0	17
38	Protective effects of Alpha-lipoic acid on MeHg-induced oxidative damage and intracellular Ca ²⁺ dyshomeostasis in primary cultured neurons. <i>Free Radical Research</i> , 2016, 50, 542-556.	3.3	19
39	Manganese-Disrupted Interaction of Dopamine D1 and NMDAR in the Striatum to Injury Learning and Memory Ability of Mice. <i>Molecular Neurobiology</i> , 2016, 53, 6745-6758.	4.0	22
40	Tea Polyphenols Protect Against Methylmercury-Induced Cell Injury in Rat Primary Cultured Astrocytes, Involvement of Oxidative Stress and Glutamate Uptake/Metabolism Disorders. <i>Molecular Neurobiology</i> , 2016, 53, 2995-3009.	4.0	22
41	Inhibition of Calpain Prevents Manganese-Induced Cell Injury and Alpha-Synuclein Oligomerization in Organotypic Brain Slice Cultures. <i>PLoS ONE</i> , 2015, 10, e0119205.	2.5	16
42	Alpha-lipoic acid protects against methylmercury-induced neurotoxic effects via inhibition of oxidative stress in rat cerebral cortex. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 157-166.	4.0	16
43	Melatonin Inhibits Manganese-Induced Motor Dysfunction and Neuronal Loss in Mice: Involvement of Oxidative Stress and Dopaminergic Neurodegeneration. <i>Molecular Neurobiology</i> , 2015, 51, 68-88.	4.0	38
44	Excitotoxicity and oxidative damages induced by methylmercury in rat cerebral cortex and the protective effects of tea polyphenols. <i>Environmental Toxicology</i> , 2014, 29, 269-283.	4.0	20
45	Exploring Cross-Talk Between Oxidative Damage and Excitotoxicity and the Effects of Riluzole in the Rat Cortex After Exposure to Methylmercury. <i>Neurotoxicity Research</i> , 2014, 26, 40-51.	2.7	22
46	Alpha-Synuclein is Involved in Manganese-Induced ER Stress via PERK Signal Pathway in Organotypic Brain Slice Cultures. <i>Molecular Neurobiology</i> , 2014, 49, 399-412.	4.0	31
47	Endoplasmic reticulum stress signaling involvement in manganese-induced nerve cell damage in organotypic brain slice cultures. <i>Toxicology Letters</i> , 2013, 222, 239-246.	0.8	26
48	MK-801 Protects against Intracellular Ca ²⁺ Overloading and Improves N-methyl-d-aspartate Receptor Expression in Cerebral Cortex of Methylmercury-Poisoned Rats. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 162-171.	2.3	12
49	Oxidative stress involvement in manganese-induced alpha-synuclein oligomerization in organotypic brain slice cultures. <i>Toxicology</i> , 2013, 305, 71-78.	4.2	46
50	Protective effects of MK-801 on methylmercury-induced neuronal injury in rat cerebral cortex: Involvement of oxidative stress and glutamate metabolism dysfunction. <i>Toxicology</i> , 2012, 300, 112-120.	4.2	26