

Marcelo Farina

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1559769/marcelo-farina-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

194 papers	7,535 citations	49 h-index	76 g-index
205 ext. papers	8,348 ext. citations	4.3 avg, IF	5.83 L-index

#	Paper	IF	Citations
194	Metals, oxidative stress and neurodegeneration: a focus on iron, manganese and mercury. <i>Neurochemistry International</i> , 2013 , 62, 575-94	4.4	347
193	Mechanisms of methylmercury-induced neurotoxicity: evidence from experimental studies. <i>Life Sciences</i> , 2011 , 89, 555-63	6.8	290
192	Oxidative stress in MeHg-induced neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2011 , 256, 405-17	4.6	240
191	Involvement of glutamate and reactive oxygen species in methylmercury neurotoxicity. <i>Brazilian Journal of Medical and Biological Research</i> , 2007 , 40, 285-91	2.8	214
190	Importance of the lipid peroxidation biomarkers and methodological aspects FOR malondialdehyde quantification. <i>Quimica Nova</i> , 2009 , 32, 169-174	1.6	181
189	Methylmercury neurotoxicity is associated with inhibition of the antioxidant enzyme glutathione peroxidase. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 449-57	7.8	179
188	Prenatal methylmercury exposure hampers glutathione antioxidant system ontogenesis and causes long-lasting oxidative stress in the mouse brain. <i>Toxicology and Applied Pharmacology</i> , 2008 , 227, 147-54	4.6	168
187	Ascorbic acid treatment, similarly to fluoxetine, reverses depressive-like behavior and brain oxidative damage induced by chronic unpredictable stress. <i>Journal of Psychiatric Research</i> , 2012 , 46, 331-40	5.3	160
186	Probucol increases glutathione peroxidase-1 activity and displays long-lasting protection against methylmercury toxicity in cerebellar granule cells. <i>Toxicological Sciences</i> , 2009 , 112, 416-26	4.4	113
185	Diphenyl diselenide, a simple organoselenium compound, decreases methylmercury-induced cerebral, hepatic and renal oxidative stress and mercury deposition in adult mice. <i>Brain Research Bulletin</i> , 2009 , 79, 77-84	3.9	108
184	Biomarkers of mercury toxicity: Past, present, and future trends. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017 , 20, 119-154	8.6	106
183	Mercurial-induced hydrogen peroxide generation in mouse brain mitochondria: protective effects of quercetin. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1919-26	4	102
182	The methylmercury-L-cysteine conjugate is a substrate for the L-type large neutral amino acid transporter. <i>Journal of Neurochemistry</i> , 2008 , 107, 1083-90	6	100
181	Methylmercury and brain development: A review of recent literature. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 38, 99-107	4.1	92
180	Toxicity of ethylmercury (and Thimerosal): a comparison with methylmercury. <i>Journal of Applied Toxicology</i> , 2013 , 33, 700-11	4.1	84
179	Cerebellar thiol status and motor deficit after lactational exposure to methylmercury. <i>Environmental Research</i> , 2006 , 102, 22-8	7.9	84
178	Comparative study on the response of rat primary astrocytes and microglia to methylmercury toxicity. <i>Glia</i> , 2011 , 59, 810-20	9	82

177	Effects of traumatic brain injury of different severities on emotional, cognitive, and oxidative stress-related parameters in mice. <i>Journal of Neurotrauma</i> , 2010 , 27, 1883-93	5.4	79
176	Differential susceptibility following beta-amyloid peptide-(1-40) administration in C57BL/6 and Swiss albino mice: Evidence for a dissociation between cognitive deficits and the glutathione system response. <i>Behavioural Brain Research</i> , 2007 , 177, 205-13	3.4	75
175	Methylmercury increases glutamate release from brain synaptosomes and glutamate uptake by cortical slices from suckling rat pups: modulatory effect of ebselen. <i>Toxicological Sciences</i> , 2003 , 73, 135-44	4.4	75
174	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003 , 144, 351-7	4.4	75
173	Improved neuroprotective effects of resveratrol-loaded polysorbate 80-coated poly(lactide) nanoparticles in MPTP-induced Parkinsonism. <i>Nanomedicine</i> , 2015 , 10, 1127-38	5.6	73
172	Agmatine abolishes restraint stress-induced depressive-like behavior and hippocampal antioxidant imbalance in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 50, 143-50	5.5	73
171	Protective effects of Polygala paniculata extract against methylmercury-induced neurotoxicity in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2005 , 57, 1503-8	4.8	72
170	Maternal milk as methylmercury source for suckling mice: neurotoxic effects involved with the cerebellar glutamatergic system. <i>Toxicological Sciences</i> , 2004 , 81, 172-8	4.4	72
169	Positive correlation between elevated plasma cholesterol levels and cognitive impairments in LDL receptor knockout mice: relevance of cortico-cerebral mitochondrial dysfunction and oxidative stress. <i>Neuroscience</i> , 2011 , 197, 99-106	3.9	71
168	Effects of inorganic selenium administration in methylmercury-induced neurotoxicity in mouse cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2010 , 28, 631-7	2.7	71
167	Methylmercury-induced alterations in astrocyte functions are attenuated by ebselen. <i>NeuroToxicology</i> , 2011 , 32, 291-9	4.4	69
166	Comparative study of quercetin and its two glycoside derivatives quercitrin and rutin against methylmercury (MeHg)-induced ROS production in rat brain slices. <i>Archives of Toxicology</i> , 2010 , 84, 89-97	5.8	68
165	Protective effects of ascorbic acid on behavior and oxidative status of restraint-stressed mice. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 68-79	3.3	66
164	Folic acid prevents depressive-like behavior and hippocampal antioxidant imbalance induced by restraint stress in mice. <i>Experimental Neurology</i> , 2013 , 240, 112-21	5.7	65
163	Increase in serum S100B protein level after a swimming race. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003 , 28, 710-6		65
162	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
161	Neuropeptide Y (NPY) prevents depressive-like behavior, spatial memory deficits and oxidative stress following amyloid- β (1-40) administration in mice. <i>Behavioural Brain Research</i> , 2013 , 244, 107-15	3.4	62
160	The intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): a new rodent model to test palliative and neuroprotective agents for Parkinson's disease. <i>Current Pharmaceutical Design</i> , 2011 , 17, 489-507	3.3	61

159	Profile of nonprotein thiols, lipid peroxidation and delta-aminolevulinate dehydratase activity in mouse kidney and liver in response to acute exposure to mercuric chloride and sodium selenite. <i>Toxicology</i> , 2003 , 184, 179-87	4.4	60
158	Effects of 2,3-dimercapto-1-propanesulfonic acid (DMPS) on methylmercury-induced locomotor deficits and cerebellar toxicity in mice. <i>Toxicology</i> , 2007 , 239, 195-203	4.4	58
157	Reaction of diphenyl diselenide with hydrogen peroxide and inhibition of delta-aminolevulinate dehydratase from rat liver and cucumber leaves. <i>Brazilian Journal of Medical and Biological Research</i> , 2002 , 35, 623-31	2.8	58
156	Guanosine and synthetic organoselenium compounds modulate methylmercury-induced oxidative stress in rat brain cortical slices: involvement of oxidative stress and glutamatergic system. <i>Toxicology in Vitro</i> , 2009 , 23, 302-7	3.6	55
155	Anticonvulsant effect of GMP depends on its conversion to guanosine. <i>Brain Research</i> , 2004 , 1005, 182-6	3.7	55
154	Mechanisms of manganese-induced neurotoxicity in primary neuronal cultures: the role of manganese speciation and cell type. <i>Toxicological Sciences</i> , 2011 , 124, 414-23	4.4	54
153	Motor impairment induced by oral exposure to methylmercury in adult mice. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 169-75	5.8	54
152	Glia and methylmercury neurotoxicity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 1091-101	3.2	53
151	Probucol, a lipid-lowering drug, prevents cognitive and hippocampal synaptic impairments induced by amyloid β peptide in mice. <i>Experimental Neurology</i> , 2012 , 233, 767-75	5.7	53
150	Structure-activity relationship of flavonoids derived from medicinal plants in preventing methylmercury-induced mitochondrial dysfunction. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 272-278	5.8	53
149	Additive pro-oxidative effects of methylmercury and ebselen in liver from suckling rat pups. <i>Toxicology Letters</i> , 2004 , 146, 227-35	4.4	53
148	Glutathione antioxidant system and methylmercury-induced neurotoxicity: An intriguing interplay. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129285	4	52
147	Oxidative stress-mediated inhibition of brain creatine kinase activity by methylmercury. <i>NeuroToxicology</i> , 2010 , 31, 454-60	4.4	52
146	Oxidative Stress in Methylmercury-Induced Cell Toxicity. <i>Toxics</i> , 2018 , 6,	4.7	49
145	Diphenyl diselenide, a simple glutathione peroxidase mimetic, inhibits human LDL oxidation in vitro. <i>Atherosclerosis</i> , 2008 , 201, 92-100	3.1	48
144	Comparative study on methyl- and ethylmercury-induced toxicity in C6 glioma cells and the potential role of LAT-1 in mediating mercurial-thiol complexes uptake. <i>NeuroToxicology</i> , 2013 , 38, 1-8	4.4	47
143	Complex methylmercury-cysteine alters mercury accumulation in different tissues of mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 789-92	3.1	47
142	Antinociceptive properties of the hydroalcoholic extract and the flavonoid rutin obtained from <i>Polygala paniculata</i> L. in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 306-15	3.1	47

141	Selenoxides inhibit delta-aminolevulinic acid dehydratase. <i>Toxicology Letters</i> , 2001 , 119, 27-37	4.4	47
140	Epigallocatechin-3-gallate protects rat brain mitochondria against cadmium-induced damage. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2618-23	4.7	46
139	A study of the relative importance of the peroxiredoxin-, catalase-, and glutathione-dependent systems in neural peroxide metabolism. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 69-77	7.8	46
138	Mechanisms of the inhibitory effects of selenium and mercury on the activity of delta-aminolevulinic acid dehydratase from mouse liver, kidney and brain. <i>Toxicology Letters</i> , 2003 , 139, 55-66	4.4	46
137	Age-related cognitive decline in hypercholesterolemic LDL receptor knockout mice (LDLr ^{-/-}): evidence of antioxidant imbalance and increased acetylcholinesterase activity in the prefrontal cortex. <i>Journal of Alzheimer's Disease</i> , 2012 , 32, 495-511	4.3	45
136	Involvement of glutathione, ERK1/2 phosphorylation and BDNF expression in the antidepressant-like effect of zinc in rats. <i>Behavioural Brain Research</i> , 2008 , 188, 316-23	3.4	45
135	Probucol increases striatal glutathione peroxidase activity and protects against 3-nitropropionic acid-induced pro-oxidative damage in rats. <i>PLoS ONE</i> , 2013 , 8, e67658	3.7	45
134	Guanosine prevents behavioral alterations in the forced swimming test and hippocampal oxidative damage induced by acute restraint stress. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 127, 7-14	3.9	43
133	Diphenyl diselenide decreases serum levels of total cholesterol and tissue oxidative stress in cholesterol-fed rabbits. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 105, 17-23	3.1	41
132	Postnatal methylmercury exposure induces hyperlocomotor activity and cerebellar oxidative stress in mice: dependence on the neurodevelopmental period. <i>Neurochemical Research</i> , 2006 , 31, 563-9	4.6	41
131	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129284	4	40
130	Probucol modulates oxidative stress and excitotoxicity in Huntington's disease models in vitro. <i>Brain Research Bulletin</i> , 2012 , 87, 397-405	3.9	40
129	Antioxidant effect of diphenyl diselenide against sodium nitroprusside (SNP) induced lipid peroxidation in human platelets and erythrocyte membranes: an in vitro evaluation. <i>Chemico-Biological Interactions</i> , 2006 , 164, 126-35	5	40
128	Zinc reverses malathion-induced impairment in antioxidant defenses. <i>Toxicology Letters</i> , 2009 , 187, 137-43	4.3	39
127	Increased susceptibility to amyloid- β -induced neurotoxicity in mice lacking the low-density lipoprotein receptor. <i>Journal of Alzheimer's Disease</i> , 2014 , 41, 43-60	4.3	38
126	Low toxicity of diphenyl diselenide in rabbits: a long-term study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 47-55	3.1	38
125	Cipura paludosa extract prevents methyl mercury-induced neurotoxicity in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 127-31	3.1	38
124	Molecular Pathways Associated With Methylmercury-Induced Nrf2 Modulation. <i>Frontiers in Genetics</i> , 2018 , 9, 373	4.5	38

123	Long-term and low-dose malathion exposure causes cognitive impairment in adult mice: evidence of hippocampal mitochondrial dysfunction, astrogliosis and apoptotic events. <i>Archives of Toxicology</i> , 2016 , 90, 647-60	5.8	37
122	Diphenyl diselenide confers neuroprotection against hydrogen peroxide toxicity in hippocampal slices. <i>Brain Research</i> , 2008 , 1199, 138-47	3.7	37
121	Behavioral effects of developmental methylmercury drinking water exposure in rodents. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 117-124	4.1	36
120	Methylmercury-Induced Neurotoxicity: Focus on Pro-oxidative Events and Related Consequences. <i>Advances in Neurobiology</i> , 2017 , 18, 267-286	2.1	36
119	Modulation of methylmercury uptake by methionine: prevention of mitochondrial dysfunction in rat liver slices by a mimicry mechanism. <i>Toxicology and Applied Pharmacology</i> , 2011 , 252, 28-35	4.6	35
118	Time course evaluation of behavioral impairments in the pilocarpine model of epilepsy. <i>Epilepsy and Behavior</i> , 2016 , 55, 92-100	3.2	34
117	Protective effects of diphenyl diselenide in a mouse model of brain toxicity. <i>Chemico-Biological Interactions</i> , 2013 , 206, 18-26	5	34
116	Does methylmercury-induced hypercholesterolemia play a causal role in its neurotoxicity and cardiovascular disease?. <i>Toxicological Sciences</i> , 2012 , 130, 373-82	4.4	34
115	Lactational exposure to malathion inhibits brain acetylcholinesterase in mice. <i>NeuroToxicology</i> , 2006 , 27, 1101-5	4.4	34
114	Paraquat and Maneb Exposure Alters Rat Neural Stem Cell Proliferation by Inducing Oxidative Stress: New Insights on Pesticide-Induced Neurodevelopmental Toxicity. <i>Neurotoxicity Research</i> , 2018 , 34, 820-833	4.3	33
113	Developmental exposure to manganese induces lasting motor and cognitive impairment in rats. <i>NeuroToxicology</i> , 2015 , 50, 28-37	4.4	32
112	Lactational exposure to inorganic mercury: evidence of neurotoxic effects. <i>Neurotoxicology and Teratology</i> , 2007 , 29, 360-7	3.9	32
111	Effects of aluminum sulfate on erythropoiesis in rats. <i>Toxicology Letters</i> , 2002 , 132, 131-9	4.4	32
110	Diphenyl diselenide administration enhances cortical mitochondrial number and activity by increasing hemoxygenase type 1 content in a methylmercury-induced neurotoxicity mouse model. <i>Molecular and Cellular Biochemistry</i> , 2014 , 390, 1-8	4.2	31
109	Antinociceptive effect of the Polygala sabulosa hydroalcoholic extract in mice: evidence for the involvement of glutamatergic receptors and cytokine pathways. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008 , 103, 43-7	3.1	31
108	Probucol affords neuroprotection in a 6-OHDA mouse model of Parkinson's disease. <i>Neurochemical Research</i> , 2013 , 38, 660-8	4.6	29
107	Behavioral, morphological, and biochemical changes after in ovo exposure to methylmercury in chicks. <i>Toxicological Sciences</i> , 2008 , 106, 180-5	4.4	29
106	Antioxidant and acetylcholinesterase response to repeated malathion exposure in rat cerebral cortex and hippocampus. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008 , 102, 365-9	3.1	29

105	Interaction between metals and chelating agents affects glutamate binding on brain synaptic membranes. <i>Neurochemical Research</i> , 2003 , 28, 1859-65	4.6	29
104	Oxidative stress, caspase-3 activation and cleavage of ROCK-1 play an essential role in MeHg-induced cell death in primary astroglial cells. <i>Food and Chemical Toxicology</i> , 2018 , 113, 328-336	4.7	28
103	Diphenyl diselenide modulates oxLDL-induced cytotoxicity in macrophage by improving the redox signaling. <i>Biochimie</i> , 2013 , 95, 1544-51	4.6	28
102	17Estradiol decreases methylmercury-induced neurotoxicity in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2009 , 27, 293-7	5.8	28
101	Behavioral impairments related to lead-induced developmental neurotoxicity in chicks. <i>Archives of Toxicology</i> , 2008 , 82, 445-51	5.8	28
100	Diphenyl diselenide protects neuronal cells against oxidative stress and mitochondrial dysfunction: Involvement of the glutathione-dependent antioxidant system. <i>Redox Biology</i> , 2019 , 20, 118-129	11.3	28
99	Diphenyl diselenide prevents cortico-cerebral mitochondrial dysfunction and oxidative stress induced by hypercholesterolemia in LDL receptor knockout mice. <i>Neurochemical Research</i> , 2013 , 38, 2028-36	4.6	27
98	Both creatine and its product phosphocreatine reduce oxidative stress and afford neuroprotection in an in vitro Parkinson's model. <i>ASN Neuro</i> , 2014 , 6,	5.3	26
97	High fat and highly thermolyzed fat diets promote insulin resistance and increase DNA damage in rats. <i>Experimental Biology and Medicine</i> , 2009 , 234, 1296-304	3.7	26
96	Synergistic neurotoxicity induced by methylmercury and quercetin in mice. <i>Food and Chemical Toxicology</i> , 2009 , 47, 645-9	4.7	26
95	Atorvastatin Prevents Cognitive Deficits Induced by Intracerebroventricular Amyloid- β -40 Administration in Mice: Involvement of Glutamatergic and Antioxidant Systems. <i>Neurotoxicity Research</i> , 2015 , 28, 32-42	4.3	24
94	Estrogen attenuates manganese-induced glutamate transporter impairment in rat primary astrocytes. <i>Neurotoxicity Research</i> , 2013 , 23, 124-30	4.3	24
93	Hematological changes in rats chronically exposed to oral aluminum. <i>Toxicology</i> , 2005 , 209, 29-37	4.4	24
92	Sex- and structure-specific differences in antioxidant responses to methylmercury during early development. <i>NeuroToxicology</i> , 2016 , 56, 118-126	4.4	23
91	Hypercholesterolemia induces short-term spatial memory impairments in mice: up-regulation of acetylcholinesterase activity as an early and causal event?. <i>Journal of Neural Transmission</i> , 2014 , 121, 415-26	4.3	23
90	MPP-Lesioned Mice: an Experimental Model of Motor, Emotional, Memory/Learning, and Striatal Neurochemical Dysfunctions. <i>Molecular Neurobiology</i> , 2017 , 54, 6356-6377	6.2	23
89	Temporal effects of newly developed oximes (K027, K048) on malathion-induced acetylcholinesterase inhibition and lipid peroxidation in mouse prefrontal cortex. <i>NeuroToxicology</i> , 2008 , 29, 184-9	4.4	23
88	Probucol mitigates streptozotocin-induced cognitive and biochemical changes in mice. <i>Neuroscience</i> , 2015 , 284, 590-600	3.9	22

87	Anxiolytic-like, stimulant and neuroprotective effects of <i>Ilex paraguariensis</i> extracts in mice. <i>Neuroscience</i> , 2015 , 292, 13-21	3.9	22
86	Hemolytic effects of sodium selenite and mercuric chloride in human blood. <i>Drug and Chemical Toxicology</i> , 2005 , 28, 397-407	2.3	22
85	Delta-aminolevulinate dehydratase inhibition by phenyl selenoacetylene: effect of reaction with hydrogen peroxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002 , 90, 214-9		22
84	Antioxidant responses and lipid peroxidation following intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in rats: increased susceptibility of olfactory bulb. <i>Life Sciences</i> , 2007 , 80, 1906-14	6.8	21
83	One-step liquid-liquid extraction of cocaine from urine samples for gas chromatographic analysis. <i>Forensic Science International</i> , 2002 , 127, 204-7	2.6	21
82	Succinobucol, a Lipid-Lowering Drug, Protects Against 3-Nitropropionic Acid-Induced Mitochondrial Dysfunction and Oxidative Stress in SH-SY5Y Cells via Upregulation of Glutathione Levels and Glutamate Cysteine Ligase Activity. <i>Molecular Neurobiology</i> , 2016 , 53, 1280-1295	6.2	20
81	Assessing mercury intoxication in isolated/remote populations: Increased S100B mRNA in blood in exposed riverine inhabitants of the Amazon. <i>NeuroToxicology</i> , 2018 , 68, 151-158	4.4	20
80	Succinobucol versus probucol: higher efficiency of succinobucol in mitigating 3-NP-induced brain mitochondrial dysfunction and oxidative stress in vitro. <i>Mitochondrion</i> , 2013 , 13, 125-33	4.9	20
79	Methylmercury-induced developmental toxicity is associated with oxidative stress and cofilin phosphorylation. Cellular and human studies. <i>NeuroToxicology</i> , 2017 , 59, 197-209	4.4	20
78	l-Glutamylcysteine ameliorates oxidative injury in neurons and astrocytes in vitro and increases brain glutathione in vivo. <i>NeuroToxicology</i> , 2011 , 32, 518-25	4.4	19
77	Effects of K074 and pralidoxime on antioxidant and acetylcholinesterase response in malathion-poisoned mice. <i>NeuroToxicology</i> , 2011 , 32, 888-95	4.4	19
76	Antioxidants and metallothionein levels in mercury-treated mice. <i>Cell Biology and Toxicology</i> , 2006 , 22, 429-38	7.4	19
75	Post-translational modifications in MeHg-induced neurotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2068-2081	6.9	19
74	Agmatine attenuates reserpine-induced oral dyskinesia in mice: Role of oxidative stress, nitric oxide and glutamate NMDA receptors. <i>Behavioural Brain Research</i> , 2016 , 312, 64-76	3.4	18
73	Methylmercury increases S100B content in rat cerebrospinal fluid. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 249-53	5.8	18
72	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021 , 46, 120-130	4.6	18
71	Agmatine attenuates depressive-like behavior and hippocampal oxidative stress following amyloid (A β -40) administration in mice. <i>Behavioural Brain Research</i> , 2018 , 353, 51-56	3.4	18
70	Methionine stimulates motor impairment and cerebellar mercury deposition in methylmercury-exposed mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 46-56	3.2	16

69	Expression of tyrosine hydroxylase increases the resistance of human neuroblastoma cells to oxidative insults. <i>Toxicological Sciences</i> , 2010 , 113, 150-7	4.4	16
68	Organic and inorganic forms of selenium inhibited differently fish (<i>Rhamdia quelen</i>) and rat (<i>Rattus norvegicus albinus</i>) delta-aminolevulinate dehydratase. <i>Environmental Research</i> , 2005 , 98, 46-54	7.9	16
67	Mercury in Our Food. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1459-1461	4	15
66	Diphenyl ditelluride targets brain selenoproteins in vivo: inhibition of cerebral thioredoxin reductase and glutathione peroxidase in mice after acute exposure. <i>Molecular and Cellular Biochemistry</i> , 2012 , 370, 173-82	4.2	15
65	Protective effects of organoselenium compounds against methylmercury-induced oxidative stress in mouse brain mitochondrial-enriched fractions. <i>Brazilian Journal of Medical and Biological Research</i> , 2011 , 44, 1156-63	2.8	15
64	Clarified AB[?] Juice as an Anticonvulsant Agent Mechanistic Study of GABAergic Targets. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 2678089	6.7	14
63	Methylmercury exposure for 14 days (short-term) produces behavioral and biochemical changes in mouse cerebellum, liver, and serum. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 1145-1155	3.2	14
62	Acute exposure of rabbits to diphenyl diselenide: a toxicological evaluation. <i>Journal of Applied Toxicology</i> , 2010 , 30, 761-8	4.1	14
61	Effects of ethanol and diphenyl diselenide exposure on the activity of delta-aminolevulinate dehydratase from mouse liver and brain. <i>Food and Chemical Toxicology</i> , 2006 , 44, 588-94	4.7	14
60	Is there an association between hypercholesterolemia and depression? Behavioral evidence from the LDLr(-/-) mouse experimental model. <i>Behavioural Brain Research</i> , 2016 , 311, 31-38	3.4	14
59	GABA-A receptor modulators alter emotionality and hippocampal theta rhythm in an animal model of long-lasting anxiety. <i>Brain Research</i> , 2013 , 1532, 21-31	3.7	13
58	Effects of lifestyle modifications on cognitive impairments in a mouse model of hypercholesterolemia. <i>Neuroscience Letters</i> , 2013 , 541, 193-8	3.3	13
57	Comparison of alterations in amino acids content in cultured astrocytes or neurons exposed to methylmercury separately or in co-culture. <i>Neurochemistry International</i> , 2009 , 55, 136-42	4.4	13
56	High Cholesterol Diet Exacerbates Blood-Brain Barrier Disruption in LDLr-/- Mice: Impact on Cognitive Function. <i>Journal of Alzheimer's Disease</i> , 2020 , 78, 97-115	4.3	13
55	Superoxide anion generation and oxidative stress in methylmercury-induced endothelial toxicity in vitro. <i>Toxicology in Vitro</i> , 2017 , 38, 19-26	3.6	12
54	In vitro manganese exposure disrupts MAPK signaling pathways in striatal and hippocampal slices from immature rats. <i>BioMed Research International</i> , 2013 , 2013, 769295	3	12
53	In vitro effects of selenite and mercuric chloride on liver thiobarbituric acid-reactive substances and non-protein thiols from rats: influences of dietary cholesterol and polyunsaturated and saturated fatty acids. <i>Nutrition</i> , 2003 , 19, 531-5	4.8	12
52	Ethnic Kawasaki Disease Risk Associated with Blood Mercury and Cadmium in U.S. Children. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	12

51	Early Postnatal Exposure to Paraquat and Maneb in Mice Increases Nigrostriatal Dopaminergic Susceptibility to a Re-challenge with the Same Pesticides at Adulthood: Implications for Parkinson's Disease. <i>Neurotoxicity Research</i> , 2020 , 37, 210-226	4.3	12
50	Neuroprotective effect of jußra (Euterpe edulis Martius) fruits extracts against glutamate-induced oxytosis in HT22 hippocampal cells. <i>Food Research International</i> , 2019 , 120, 114-123	7	11
49	Interaction of curcumin with manganese may compromise metal and neurotransmitter homeostasis in the hippocampus of young mice. <i>Biological Trace Element Research</i> , 2014 , 158, 399-409	4.5	11
48	Platelet oxygen consumption as a peripheral blood marker of brain energetics in a mouse model of severe neurotoxicity. <i>Journal of Bioenergetics and Biomembranes</i> , 2013 , 45, 449-57	3.7	10
47	Gender effects of acute malathion or zinc exposure on the antioxidant response of rat hippocampus and cerebral cortex. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 965-70	3.1	10
46	Ethanol inhibits ðaminolevulinate dehydratase and glutathione peroxidase activities in mice liver: Protective effects of ebselen and N-acetylcysteine. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 338-43	5.8	9
45	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. <i>Metallomics</i> , 2016 , 8, 597-604	4.5	9
44	Brain-Derived Neurotrophic Factor Prevents Depressive-Like Behaviors in Early-Symptomatic YAC128 Huntington's Disease Mice. <i>Molecular Neurobiology</i> , 2018 , 55, 7201-7215	6.2	8
43	Protective effect of a novel peptide against methylmercury-induced toxicity in rat primary astrocytes. <i>NeuroToxicology</i> , 2012 , 33, 763-8	4.4	8
42	Mechanism of delta-aminolevulinate dehydratase inhibition by phenyl selenoacetylene involves its conversion to diphenyl diselenide. <i>Toxicology</i> , 2005 , 206, 403-11	4.4	8
41	Sodium selenite protects from 3-nitropropionic acid-induced oxidative stress in cultured primary cortical neurons. <i>Molecular Biology Reports</i> , 2019 , 46, 751-762	2.8	8
40	Succinobucol, a Non-Statin Hypocholesterolemic Drug, Prevents Premotor Symptoms and Nigrostriatal Neurodegeneration in an Experimental Model of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2017 , 54, 1513-1530	6.2	7
39	Propylthiouracil-induced hypothyroidism during lactation alters leucine and mannose metabolism in rat cerebellar slices. <i>Experimental Biology and Medicine</i> , 2013 , 238, 31-6	3.7	7
38	The catecholaminergic neurotransmitter system in methylmercury-induced neurotoxicity. <i>Advances in Neurotoxicology</i> , 2017 , 1, 47-81	1.6	7
37	Effects of glyoxal or methylglyoxal on the metabolism of amino acids, lactate, glucose and acetate in the cerebral cortex of young and adult rats. <i>Brain Research</i> , 2010 , 1315, 19-24	3.7	7
36	Experimental hypothyroidism inhibits delta-aminolevulinate dehydratase activity in neonatal rat blood and liver. <i>Experimental Biology and Medicine</i> , 2007 , 232, 1021-6	3.7	7
35	Design, Synthesis, and In Vitro Evaluation of a Novel Probucol Derivative: Protective Activity in Neuronal Cells Through GPx Upregulation. <i>Molecular Neurobiology</i> , 2018 , 55, 7619-7634	6.2	6
34	Lipopolysaccharide-Induced 'Striatal Nitrosative Stress and Impaired Social Recognition Memory Are Not Magnified by Paraquat Coexposure. <i>Neurochemical Research</i> , 2018 , 43, 745-759	4.6	6

33	An unsolved puzzle: the complex interplay between methylmercury and fish oil-derived fatty acids within the cardiovascular system. <i>Toxicology Research</i> , 2014 , 3, 300	2.6	6
32	Distribution of F-actin, alpha-actinin, tropomyosin, tubulin and organelles in <i>Euglena gracilis</i> by immunofluorescence microscopy. <i>Tissue and Cell</i> , 1998 , 30, 545-53	2.7	6
31	Methyl phenyl selenide causes heme biosynthesis impairment and its toxicity is not modified by dimethyl sulphoxide in vivo. <i>Drug and Chemical Toxicology</i> , 2004 , 27, 331-40	2.3	6
30	Antidepressant Effects of ProbucoL on Early-Symptomatic YAC128 Transgenic Mice for Huntington's Disease. <i>Neural Plasticity</i> , 2018 , 2018, 4056383	3.3	6
29	Inhibition of reductase systems by 2-AAPA modulates peroxiredoxin oxidation and mitochondrial function in A172 glioblastoma cells. <i>Toxicology in Vitro</i> , 2017 , 42, 273-280	3.6	5
28	New ProbucoL Analogues Inhibit Ferroptosis, Improve Mitochondrial Parameters, and Induce Glutathione Peroxidase in HT22 Cells. <i>Molecular Neurobiology</i> , 2020 , 57, 3273-3290	6.2	5
27	Glutathione in Chlorpyrifos-and Chlorpyrifos-Oxon-Induced Toxicity: a Comparative Study Focused on Non-cholinergic Toxicity in HT22 Cells. <i>Neurotoxicity Research</i> , 2020 , 38, 603-610	4.3	5
26	Decreased forelimb ability in mice intracerebroventricularly injected with low dose 6-hydroxydopamine: A model on the dissociation of bradykinesia from hypokinesia. <i>Behavioural Brain Research</i> , 2016 , 305, 30-6	3.4	5
25	Effects of perinatal exposure to n-3 polyunsaturated fatty acids and methylmercury on cerebellar and behavioral parameters in mice. <i>Food and Chemical Toxicology</i> , 2018 , 120, 603-615	4.7	5
24	Involvement of superoxide in malaoxon-induced toxicity in primary cultures of cortical neurons. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 1106-1115	3.2	5
23	Riboflavin acetate induces apoptosis in squamous carcinoma cells after photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 153, 445-54	6.7	5
22	In vitro reactivating effects of standard and newly developed oximes on malaoxon-inhibited mouse brain acetylcholinesterase. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 768-73	3.1	5
21	Oxidative Stress and Methylmercury-Induced Neurotoxicity	357-385	5
20	Therapeutic Efficacy of the N,N-Bis-(2-Mercaptoethyl) Isophthalamide Chelator for Methylmercury Intoxication in <i>Caenorhabditis elegans</i> . <i>Neurotoxicity Research</i> , 2020 , 38, 133-144	4.3	4
19	N-Acetylcysteine does not protect behavioral and biochemical toxicological effect after acute exposure of diphenyl ditelluride. <i>Toxicology Mechanisms and Methods</i> , 2014 , 24, 529-35	3.6	4
18	Confinement during field studies may jeopardize antioxidant and physiological responses of Nile tilapia to contaminants. <i>Marine Environmental Research</i> , 2013 , 91, 97-103	3.3	4
17	Does methylmercury exposure to the offspring end at birth?. <i>NeuroToxicology</i> , 2009 , 30, 160-1; author reply 161-3	4.4	4
16	Modulation of Brain Glutathione Reductase and Peroxiredoxin 2 by Trocopheryl Phosphate. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 1015-1022	4.6	3

15	Sub-acute administration of (S)-dimethyl 2-(3-(phenyltellanyl) propanamido) succinate induces toxicity and oxidative stress in mice: unexpected effects of N-acetylcysteine. <i>SpringerPlus</i> , 2013 , 2, 182		3
14	Manganese-induced neurotoxicity in cerebellar granule neurons due to perturbation of cell network pathways with potential implications for neurodegenerative disorders. <i>Metallomics</i> , 2020 , 12, 1656-1678	4.5	3
13	Chronic exposure to methylmercury enhances the anorexigenic effects of leptin in C57BL/6J male mice. <i>Food and Chemical Toxicology</i> , 2021 , 147, 111924	4.7	3
12	Probucol Protects Neuronal Cells Against Peroxide-Induced Damage and Directly Activates Glutathione Peroxidase-1. <i>Molecular Neurobiology</i> , 2020 , 57, 3245-3257	6.2	2
11	Cholesterol Levels and Cognitive Impairments 2015 , 743-751		2
10	Acetaldehyde does not inhibit glutathione peroxidase and glutathione reductase from mouse liver in vitro. <i>Chemico-Biological Interactions</i> , 2006 , 159, 196-204	5	2
9	The Nrf2 Pathway in Ischemic Stroke: A Review. <i>Molecules</i> , 2021 , 26,	4.8	2
8	Redox State in Mediating Methylmercury Neurotoxicity 2012 , 101-125		2
7	Introducing cloned genes into cultured neurons providing novel models for neuropathology and neurotoxicity studies. <i>Neuromethods</i> , 2011 , 56, 185-222	0.4	1
6	The Modulatory Role of sti-1 in Methylmercury-Induced Toxicity in <i>Caenorhabditis elegans</i> .. <i>Neurotoxicity Research</i> , 2022 , 40, 837	4.3	0
5	Iron overload and neurodegenerative diseases: What can we learn from <i>Caenorhabditis elegans</i> ?. <i>Toxicology Research and Application</i> , 2022 , 6, 239784732210918	0.8	0
4	Chapter 8:Manganese and Oxidative Stress. <i>Issues in Toxicology</i> , 2014 , 199-220	0.3	
3	A Novel Diselenide-Probucol-Analogue Protects Against Methylmercury-Induced Toxicity in HT22 Cells by Upregulating Peroxide Detoxification Systems: a Comparison with Diphenyl Diselenide.. <i>Neurotoxicity Research</i> , 2022 , 40, 127-139	4.3	
2	Methylmercury and Glia Cells 2012 , 271-285		
1	The Toxicity of Oil Nanoparticles: A Review Focused on Food Science. <i>Food Reviews International</i> , 1-17	5.5	