Masatake Fujimura

List of Publications by Year
in descending order

46 papers	1,079 citations	331670 21 h-index	414414 32 g-index
47 all docs	47 docs citations	47 times ranked	1152 citing authors

#	Article	IF	Citations
1	Spatio-temporal distribution of reactive sulfur species during methylmercury exposure in the rat brain. Journal of Toxicological Sciences, 2022, 47, 31-37.	1.5	3
2	Preliminary evaluation of the mechanism underlying vulnerability/resistance to methylmercury toxicity by comparative gene expression profiling of rat primary cultured cerebrocortical and hippocampal neurons. Journal of Toxicological Sciences, 2022, 47, 211-219.	1.5	3
3	Ecological Burden of e-Waste in Bangladeshâ€"an Assessment to Measure the Exposure to e-Waste and Associated Health Outcomes: Protocol for a Cross-sectional Study. JMIR Research Protocols, 2022, 11, e38201.	1.0	2
4	Cellular Conditions Responsible for Methylmercury-Mediated Neurotoxicity. International Journal of Molecular Sciences, 2022, 23, 7218.	4.1	16
5	Spatiotemporal analysis of the UPR transition induced by methylmercury in the mouse brain. Archives of Toxicology, 2021, 95, 1241-1250.	4.2	10
6	DNA methyltransferase- and histone deacetylase-mediated epigenetic alterations induced by low-level methylmercury exposure disrupt neuronal development. Archives of Toxicology, 2021, 95, 1227-1239.	4.2	14
7	Methylmercury induces hyperalgesia/allodynia through spinal cord dorsal horn neuronal activation and subsequent somatosensory cortical circuit formation in rats. Archives of Toxicology, 2021, 95, 2151-2162.	4.2	5
8	Dietary Fructooligosaccharides Reduce Mercury Levels in the Brain of Mice Exposed to Methylmercury. Biological and Pharmaceutical Bulletin, 2021, 44, 522-527.	1.4	4
9	Intake of wheat bran after administration of methylmercury reduces mercury accumulation in mice. Fundamental Toxicological Sciences, 2021, 8, 243-248.	0.6	1
10	Decreased plasma thiol antioxidant capacity precedes neurological signs in a rat methylmercury intoxication model. Food and Chemical Toxicology, 2020, 146, 111810.	3.6	6
11	Methylmercury-Mediated Oxidative Stress and Activation of the Cellular Protective System. Antioxidants, 2020, 9, 1004.	5.1	19
12	Pregnant rats exposed to low-level methylmercury exhibit cerebellar synaptic and neuritic remodeling during the perinatal period. Archives of Toxicology, 2020, 94, 1335-1347.	4.2	10
13	Local Vibration Stimuli Induce Mechanical Stress-Induced Factors and Facilitate Recovery From Immobilization-Induced Oxidative Myofiber Atrophy in Rats. Frontiers in Physiology, 2019, 10, 759.	2.8	9
14	Induction of chemokine CCL3 by NF-Î°B reduces methylmercury toxicity in C17.2 mouse neural stem cells. Environmental Toxicology and Pharmacology, 2019, 71, 103216.	4.0	4
15	Environmental stresses suppress nonsense-mediated mRNA decay (NMD) and affect cells by stabilizing NMD-targeted gene expression. Scientific Reports, 2019, 9, 1279.	3.3	14
16	Fasudil, a Rho-Associated Coiled Coil-Forming Protein Kinase Inhibitor, Recovers Methylmercury-Induced Axonal Degeneration by Changing Microglial Phenotype in Rats. Toxicological Sciences, 2019, 168, 126-136.	3.1	20
17	A likely placental barrier against methylmercury in pregnant rats exposed to fish-containing diets. Food and Chemical Toxicology, 2018, 122, 11-20.	3.6	11
18	Chemokine CCL4 Induced in Mouse Brain Has a Protective Role against Methylmercury Toxicity. Toxics, 2018, 6, 36.	3.7	10

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19	Methylmercury induces oxidative stress and subsequent neural hyperactivity leading to cell death through the p38 MAPK-CREB pathway in differentiated SH-SY5Y cells. NeuroToxicology, 2018, 67, 226-233.	3.0	29
20	Site-specific neural hyperactivity via the activation of MAPK and PKA/CREB pathways triggers neuronal degeneration in methylmercury-intoxicated mice. Toxicology Letters, 2017, 271, 66-73.	0.8	39
21	Endoplasmic reticulum stress preconditioning modifies intracellular mercury content by upregulating membrane transporters. Scientific Reports, 2017, 7, 12390.	3.3	21
22	In situ different antioxidative systems contribute to the site-specific methylmercury neurotoxicity in mice. Toxicology, 2017, 392, 55-63.	4.2	23
23	Modulation of Unfolded Protein Response by Methylmercury. Biological and Pharmaceutical Bulletin, 2017, 40, 1595-1598.	1.4	12
24	Methylmercury Causes Blood-Brain Barrier Damage in Rats via Upregulation of Vascular Endothelial Growth Factor Expression. PLoS ONE, 2017, 12, e0170623.	2.5	39
25	Methylmercury induces the expression of TNF-Î± selectively in the brain of mice. Scientific Reports, 2016, 6, 38294.	3.3	33
26	Prenatal low-dose methylmercury exposure impairs neurite outgrowth and synaptic protein expression and suppresses TrkA pathway activity and eEF1A1 expression in the rat cerebellum. Toxicology and Applied Pharmacology, 2016, 298, 1-8.	2.8	23
27	Decreased plasma thiol antioxidant barrier and selenoproteins as potential biomarkers for ongoing methylmercury intoxication and an individual protective capacity. Archives of Toxicology, 2016, 90, 917-926.	4.2	19
28	Methylmercury causes neuronal cell death through the suppression of the TrkA pathway: In vitro and in vivo effects of TrkA pathway activators. Toxicology and Applied Pharmacology, 2015, 282, 259-266.	2.8	35
29	Low concentrations of methylmercury inhibit neural progenitor cell proliferation associated with up-regulation of glycogen synthase kinase 3Î² and subsequent degradation of cyclin E in rats. Toxicology and Applied Pharmacology, 2015, 288, 19-25.	2.8	32
30	Assessing pre/post-weaning neurobehavioral development for perinatal exposure to low doses of methylmercury. Journal of Environmental Sciences, 2015, 38, 36-41.	6.1	11
31	Assessment of neurotoxic effects and brain region distribution in rat offspring prenatally co-exposed to low doses of BDE-99 and methylmercury. Chemosphere, 2014, 112, 170-176.	8.2	9
32	Neurobehavioral effects, c-Fos/Jun expression and tissue distribution in rat offspring prenatally co-exposed to MeHg and PFOA: PFOA impairs Hg retention. Chemosphere, 2013, 91, 758-764.	8.2	26
33	Endoplasmic reticulum stress preconditioning attenuates methylmercury-induced cellular damage by inducing favorable stress responses. Scientific Reports, 2013, 3, 2346.	3.3	27
34	Differing Effects of Toxicants (Methylmercury, Inorganic Mercury, Lead, Amyloid Â, and Rotenone) on Cultured Rat Cerebrocortical Neurons: Differential Expression of Rho Proteins Associated With Neurotoxicity. Toxicological Sciences, 2012, 126, 506-514.	3.1	43
35	The Chemokine CCL2 Protects Against Methylmercury Neurotoxicity. Toxicological Sciences, 2012, 125, 209-218.	3.1	34
36	Perinatal exposure to low-dose methylmercury induces dysfunction of motor coordination with decreases in synaptophysin expression in the cerebellar granule cells of rats. Brain Research, 2012, 1464, 1-7.	2.2	35

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37	Mercury Contamination in Humans in Upper Maroni, French Guiana Between 2004 and 2009. Bulletin of Environmental Contamination and Toxicology, 2012, 88, 135-139.	2.7	23
38	Effects of dietary methylmercury on the zebrafish brain: histological, mitochondrial, and gene transcription analyses. BioMetals, 2012, 25, 165-180.	4.1	56
39	Effects of Methylmercury on Cellular Signal Transduction Systems. , 2012, , 229-240.		1
40	Deleterious effects in mice of fish-associated methylmercury contained in a diet mimicking the Western populations' average fish consumption. Environment International, 2011, 37, 303-313.	10.0	30
41	Inhibition of the Rho/ROCK pathway prevents neuronal degeneration in vitro and in vivo following methylmercury exposure. Toxicology and Applied Pharmacology, 2011, 250, 1-9.	2.8	60
42	Post-transcriptional Defects of Antioxidant Selenoenzymes Cause Oxidative Stress under Methylmercury Exposure. Journal of Biological Chemistry, 2011, 286, 6641-6649.	3.4	73
43	Methylmercury exposure downregulates the expression of Racl and leads to neuritic degeneration and ultimately apoptosis in cerebrocortical neurons. NeuroToxicology, 2009, 30, 16-22.	3.0	59
44	Methylmercury induces neuropathological changes with tau hyperphosphorylation mainly through the activation of the c-jun-N-terminal kinase pathway in the cerebral cortex, but not in the hippocampus of the mouse brain. NeuroToxicology, 2009, 30, 1000-1007.	3.0	96
45	Influence of Dietary Protein Levels on the Fate of Inorganic Mercury in Mice. Journal of Health Science, 2008, 54, 207-211.	0.9	2
46	Effects of antipsychotic drugs on neurotoxicity, expression of fos-like protein and c-fos mRNA in the retrosplenial cortex after administration of dizocilpine. European Journal of Pharmacology, 2000, 398, 1-10.	3.5	28