Masatake Fujimura

List of Publications by Year in Descending Order

44 papers	822 citations	18 h-index	27 g-index
47 ext. papers	957 ext. citations	4.7 avg, IF	4.52 L-index

#	Paper	IF	Citations
44	Spatio-temporal distribution of reactive sulfur species during methylmercury exposure in the rat brain.. *Journal of Toxicological Sciences*, **2022**, 47, 31-37	1.9	0
43	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	1.9	
42	Intake of wheat bran after administration of methylmercury reduces mercury accumulation in mice. *Fundamental Toxicological Sciences*, **2021**, 8, 243-248	0.6	
41	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	5.8	2
40	Dietary Fructooligosaccharides Reduce Mercury Levels in the Brain of Mice Exposed to Methylmercury. *Biological and Pharmaceutical Bulletin*, **2021**, 44, 522-527	2.3	
39	Spatiotemporal analysis of the UPR transition induced by methylmercury in the mouse brain. *Archives of Toxicology*, **2021**, 95, 1241-1250	5.8	2
38	DNA methyltransferase- and histone deacetylase-mediated epigenetic alterations induced by low-level methylmercury exposure disrupt neuronal development. *Archives of Toxicology*, **2021**, 95, 1227-1239	5.8	7
37	Pregnant rats exposed to low-level methylmercury exhibit cerebellar synaptic and neuritic remodeling during the perinatal period. *Archives of Toxicology*, **2020**, 94, 1335-1347	5.8	4
36	Decreased plasma thiol antioxidant capacity precedes neurological signs in a rat methylmercury intoxication model. *Food and Chemical Toxicology*, **2020**, 146, 111810	4.7	4
35	Methylmercury-Mediated Oxidative Stress and Activation of the Cellular Protective System. *Antioxidants*, **2020**, 9,	7.1	6
34	Environmental stresses suppress nonsense-mediated mRNA decay (NMD) and affect cells by stabilizing NMD-targeted gene expression. *Scientific Reports*, **2019**, 9, 1279	4.9	6
33	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	4.6	6
32	Induction of chemokine CCL3 by NF-B reduces methylmercury toxicity in C17.2 mouse neural stem cells. *Environmental Toxicology and Pharmacology*, **2019**, 71, 103216	5.8	1
31	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	4.4	12
30	Chemokine CCL4 Induced in Mouse Brain Has a Protective Role against Methylmercury Toxicity. *Toxics*, **2018**, 6,	4.7	8
29	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, 226-235	4.4	18
28	A likely placental barrier against methylmercury in pregnant rats exposed to fish-containing diets. *Food and Chemical Toxicology*, **2018**, 122, 11-20	4.7	5

27	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	4.4	31
26	Endoplasmic reticulum stress preconditioning modifies intracellular mercury content by upregulating membrane transporters. *Scientific Reports*, **2017**, 7, 12390	4.9	14
25	In situ different antioxidative systems contribute to the site-specific methylmercury neurotoxicity in mice. *Toxicology*, **2017**, 392, 55-63	4.4	15
24	Methylmercury Causes Blood-Brain Barrier Damage in Rats via Upregulation of Vascular Endothelial Growth Factor Expression. *PLoS ONE*, **2017**, 12, e0170623	3.7	28
23	Modulation of Unfolded Protein Response by Methylmercury. *Biological and Pharmaceutical Bulletin*, **2017**, 40, 1595-1598	2.3	8
22	Decreased plasma thiol antioxidant barrier and selenoproteins as potential biomarkers for ongoing methylmercury intoxication and an individual protective capacity. *Archives of Toxicology*, **2016**, 90, 917-28	5.8	18
21	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	4.6	19
20	Methylmercury induces the expression of TNF- selectively in the brain of mice. *Scientific Reports*, **2016**, 6, 38294	4.9	21
19	Low concentrations of methylmercury inhibit neural progenitor cell proliferation associated with up-regulation of glycogen synthase kinase 3 and subsequent degradation of cyclin E in rats. *Toxicology and Applied Pharmacology*, **2015**, 288, 19-25	4.6	28
18	Assessing pre/post-weaning neurobehavioral development for perinatal exposure to low doses of methylmercury. *Journal of Environmental Sciences*, **2015**, 38, 36-41	6.4	9
17	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, 259-66	4.6	31
16	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, 170-6	8.4	4
15	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, 758-64	8.4	17
14	Endoplasmic reticulum stress preconditioning attenuates methylmercury-induced cellular damage by inducing favorable stress responses. *Scientific Reports*, **2013**, 3, 2346	4.9	24
13	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	3.7	32
12	Mercury contamination in humans in Upper Maroni, French Guiana between 2004 and 2009. *Bulletin of Environmental Contamination and Toxicology*, **2012**, 88, 135-9	2.7	17
11	Effects of dietary methylmercury on the zebrafish brain: histological, mitochondrial, and gene transcription analyses. *BioMetals*, **2012**, 25, 165-80	3.4	50
10	Differing effects of toxicants (methylmercury, inorganic mercury, lead, amyloid and rotenone) on cultured rat cerebrocortical neurons: differential expression of rho proteins associated with neurotoxicity. *Toxicological Sciences*, **2012**, 126, 506-14	4.4	34

9	The chemokine CCL2 protects against methylmercury neurotoxicity. *Toxicological Sciences*, **2012**, 125, 209-18	4.4	30
8	Effects of Methylmercury on Cellular Signal Transduction Systems **2012**, 229-240		
7	Deleterious effects in mice of fish-associated methylmercury contained in a diet mimicking the Western populationsUaverage fish consumption. *Environment International*, **2011**, 37, 303-13	12.9	24
6	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	4.6	54
5	Post-transcriptional defects of antioxidant selenoenzymes cause oxidative stress under methylmercury exposure. *Journal of Biological Chemistry*, **2011**, 286, 6641-9	5.4	64
4	Methylmercury exposure downregulates the expression of Racl and leads to neuritic degeneration and ultimately apoptosis in cerebrocortical neurons. *NeuroToxicology*, **2009**, 30, 16-22	4.4	55
3	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, 1000-7	4.4	84
2	Influence of Dietary Protein Levels on the Fate of Inorganic Mercury in Mice. *Journal of Health Science*, **2008**, 54, 207-211		2
1	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	5.3	27