# Masatake Fujimura

## List of Publications by Citations



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| 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 | 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 |
| 43 | Post-transcriptional defects of antioxidant selenoenzymes cause oxidative stress under methylmercury exposure. *Journal of Biological Chemistry*, **2011**, 286, 6641-9 | 5.4 | 64 |
| 42 | 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 |
| 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 | 4.6 | 54 |
| 40 | Effects of dietary methylmercury on the zebrafish brain: histological, mitochondrial, and gene transcription analyses. *BioMetals*, **2012**, 25, 165-80 | 3.4 | 50 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | The chemokine CCL2 protects against methylmercury neurotoxicity. *Toxicological Sciences*, **2012**, 125, 209-18 | 4.4 | 30 |
| 34 | 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 |
| 33 | Methylmercury Causes Blood-Brain Barrier Damage in Rats via Upregulation of Vascular Endothelial Growth Factor Expression. *PLoS ONE*, **2017**, 12, e0170623 | 3.7 | 28 |
| 32 | 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 |
| 31 | Endoplasmic reticulum stress preconditioning attenuates methylmercury-induced cellular damage by inducing favorable stress responses. *Scientific Reports*, **2013**, 3, 2346 | 4.9 | 24 |
| 30 | Deleterious effects in mice of fish-associated methylmercury contained in a diet mimicking the Western populations average fish consumption. *Environment International*, **2011**, 37, 303-13 | 12.9 | 24 |
| 29 | Methylmercury induces the expression of TNF- selectively in the brain of mice. *Scientific Reports*, **2016**, 6, 38294 | 4.9 | 21 |
| 28 | 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 |

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| 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, 917-26 | 5.8 | 18 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | In situ different antioxidative systems contribute to the site-specific methylmercury neurotoxicity in mice. *Toxicology*, **2017**, 392, 55-63 | 4.4 | 15 |
| 22 | Endoplasmic reticulum stress preconditioning modifies intracellular mercury content by upregulating membrane transporters. *Scientific Reports*, **2017**, 7, 12390 | 4.9 | 14 |
| 21 | 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 |
| 20 | 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 |
| 19 | Chemokine CCL4 Induced in Mouse Brain Has a Protective Role against Methylmercury Toxicity. *Toxics*, **2018**, 6, | 4.7 | 8 |
| 18 | Modulation of Unfolded Protein Response by Methylmercury. *Biological and Pharmaceutical Bulletin*, **2017**, 40, 1595-1598 | 2.3 | 8 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Methylmercury-Mediated Oxidative Stress and Activation of the Cellular Protective System. *Antioxidants*, **2020**, 9, | 7.1 | 6 |
| 13 | 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 |
| 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 | 5.8 | 4 |
| 11 | 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 |
| 10 | Decreased plasma thiol antioxidant capacity precedes neurological signs in a rat methylmercury intoxication model. *Food and Chemical Toxicology*, **2020**, 146, 111810 | 4.7 | 4 |

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| 9 | Influence of Dietary Protein Levels on the Fate of Inorganic Mercury in Mice. *Journal of Health Science*, **2008**, 54, 207-211 | | 2 |
| 8 | 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 |
| 7 | Spatiotemporal analysis of the UPR transition induced by methylmercury in the mouse brain. *Archives of Toxicology*, **2021**, 95, 1241-1250 | 5.8 | 2 |
| 6 | 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 |
| 5 | 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 |
| 4 | Intake of wheat bran after administration of methylmercury reduces mercury accumulation in mice. *Fundamental Toxicological Sciences*, **2021**, 8, 243-248 | 0.6 | |
| 3 | Effects of Methylmercury on Cellular Signal Transduction Systems **2012**, 229-240 | | |
| 2 | Dietary Fructooligosaccharides Reduce Mercury Levels in the Brain of Mice Exposed to Methylmercury. *Biological and Pharmaceutical Bulletin*, **2021**, 44, 522-527 | 2.3 | |
| 1 | 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 | |