# Toshio Ohshima

## List of Publications by Citations



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|---|---|---|---|
| 26 papers | 269 citations | 10 h-index | 16 g-index |
| 28 ext. papers | 385 ext. citations | 4 avg, IF | 3.36 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 26 | CRMP4 suppresses apical dendrite bifurcation of CA1 pyramidal neurons in the mouse hippocampus. *Developmental Neurobiology*, **2012**, 72, 1447-57 | 3.2 | 51 |
| 25 | Phosphorylation of CRMP2 is involved in proper bifurcation of the apical dendrite of hippocampal CA1 pyramidal neurons. *Developmental Neurobiology*, **2013**, 73, 142-51 | 3.2 | 33 |
| 24 | Wnt signaling regulates proliferation and differentiation of radial glia in regenerative processes after stab injury in the optic tectum of adult zebrafish. *Glia*, **2018**, 66, 1382-1394 | 9 | 25 |
| 23 | CRMPs Function in Neurons and Glial Cells: Potential Therapeutic Targets for Neurodegenerative Diseases and CNS Injury. *Molecular Neurobiology*, **2017**, 54, 4243-4256 | 6.2 | 20 |
| 22 | Protein Tyrosine Phosphatase Mediates the Sema3A-Induced Cortical Basal Dendritic Arborization through the Activation of Fyn Tyrosine Kinase. *Journal of Neuroscience*, **2017**, 37, 7125-7139 | 6.6 | 18 |
| 21 | Zebrafish Mecp2 is required for proper axonal elongation of motor neurons and synapse formation. *Developmental Neurobiology*, **2017**, 77, 1101-1113 | 3.2 | 15 |
| 20 | Wnt and Shh signals regulate neural stem cell proliferation and differentiation in the optic tectum of adult zebrafish. *Developmental Neurobiology*, **2017**, 77, 1206-1220 | 3.2 | 14 |
| 19 | Lanthionine ketimine ester promotes locomotor recovery after spinal cord injury by reducing neuroinflammation and promoting axon growth. *Biochemical and Biophysical Research Communications*, **2017**, 483, 759-764 | 3.4 | 14 |
| 18 | Deletion of Crmp4 attenuates CSPG-induced inhibition of axonal growth and induces nociceptive recovery after spinal cord injury. *Molecular and Cellular Neurosciences*, **2016**, 74, 42-8 | 4.8 | 11 |
| 17 | Involvement of sonic hedgehog and notch signaling in regenerative neurogenesis in adult zebrafish optic tectum after stab injury. *Journal of Comparative Neurology*, **2018**, 526, 2360-2372 | 3.4 | 10 |
| 16 | Loss of collapsin response mediator protein 4 suppresses dopaminergic neuron death in an 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced mouse model of Parkinsons disease. *Journal of Neurochemistry*, **2016**, 137, 795-805 | 6 | 9 |
| 15 | Genetic suppression of collapsin response mediator protein 2 phosphorylation improves outcome in methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsons model mice. *Genes To Cells*, **2019**, 24, 31-40 | 2.3 | 9 |
| 14 | Genetic inhibition of CRMP2 phosphorylation at serine 522 promotes axonal regeneration after optic nerve injury. *Scientific Reports*, **2019**, 9, 7188 | 4.9 | 8 |
| 13 | Genetic inhibition of CRMP2 phosphorylation delays Wallerian degeneration after optic nerve injury. *Biochemical and Biophysical Research Communications*, **2019**, 514, 1037-1039 | 3.4 | 5 |
| 12 | CRMP1 and CRMP4 are required for proper orientation of dendrites of cerebral pyramidal neurons in the developing mouse brain. *Brain Research*, **2017**, 1655, 161-167 | 3.7 | 5 |
| 11 | Phosphorylation of CRMP2 is required for migration and positioning of Purkinje cells: Redundant roles of CRMP1 and CRMP4. *Brain Research*, **2020**, 1736, 146762 | 3.7 | 4 |
| 10 | Histone deacetylase inhibition promotes regenerative neurogenesis after stab wound injury in the adult zebrafish optic tectum. *Biochemical and Biophysical Research Communications*, **2020**, 529, 366-371 | 3.4 | 4 |

# List of Publications

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|---|---|---|---|
| 9 | Modality-Specific Impairment of Hippocampal CA1 Neurons of Alzheimer's Disease Model Mice. *Journal of Neuroscience*, **2021**, 41, 5315-5329 | 6.6 | 4 |
| 8 | Cdk5 activity is required for Purkinje cell dendritic growth in cell-autonomous and non-cell-autonomous manners. *Developmental Neurobiology*, **2017**, 77, 1175-1187 | 3.2 | 3 |
| 7 | Cdk5 is required for the positioning and survival of GABAergic neurons in developing mouse striatum. *Developmental Neurobiology*, **2017**, 77, 483-492 | 3.2 | 2 |
| 6 | Lanthionine ketimine ester improves outcome in an MPTP-induced mouse model of Parkinson's disease via suppressions of CRMP2 phosphorylation and microglial activation. *Journal of the Neurological Sciences*, **2020**, 413, 116802 | 3.2 | 2 |
| 5 | Phosphorylation of Collapsin Response Mediator Protein 1 (CRMP1) at Tyrosine 504 residue regulates Semaphorin 3A-induced cortical dendritic growth. *Journal of Neurochemistry*, **2021**, 157, 1207-1221 | 6 | 2 |
| 4 | Regulation of axon pruning of mossy fiber projection in hippocampus by CRMP2 and CRMP4.. *Developmental Neurobiology*, **2021**, | 3.2 | 1 |
| 3 | Loss of Collapsin Response Mediator Protein 4 Attenuates 6-Hydroxydopamine-Induced Impairments in a Mouse Model of Parkinson's Disease. *Neurochemical Research*, **2020**, 45, 2286-2301 | 4.6 | 0 |
| 2 | Involvement of Cdk5 activating subunit p35 in synaptic plasticity in excitatory and inhibitory neurons.. *Molecular Brain*, **2022**, 15, 37 | 4.5 | 0 |
| 1 | CRMP4 is required for the positioning and maturation of newly generated neurons in adult mouse hippocampus.. *Neuroscience Letters*, **2022**, 773, 136503 | 3.3 | |