Tomohiro Miyasaka

List of Publications by Year
in descending order

33	1,573	394421 19	434195 31
papers	citations	h-index	g-index

38	38	38	2133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Therapeutic effect of a novel curcumin derivative GT863 on a mouse model of amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2022, 23, 489-495.	1.7	8
2	Microtubule assembly by tau impairs endocytosis and neurotransmission via dynamin sequestration in Alzheimerâ€™s disease synapse model. ELife, 2022, 11, .	6.0	8
3	Quantum-dot-labeled synuclein seed assay identifies drugs modulating the experimental prion-like transmission. Communications Biology, 2022, 5, .	4.4	5
4	A potential defense mechanism against amyloid deposition in cerebellum. Biochemical and Biophysical Research Communications, 2021, 535, 25-32.	2.1	7
5	Quantitative fractionation of tissue microtubules with distinct biochemical properties reflecting their stability and lability. Biochemical and Biophysical Research Communications, 2021, 560, 186-191.	2.1	2
6	Disulfide bond formation in microtubule-associated tau protein promotes tau accumulation and toxicity in vivo. Human Molecular Genetics, 2021, 30, 1955-1967.	2.9	15
7	Inhibition of microtubule assembly competent tubulin synthesis leads to accumulation of phosphorylated tau in neuronal cell bodies. Biochemical and Biophysical Research Communications, 2020, 521, 779-785.	2.1	12
8	The inducible amphisome isolates viral hemagglutinin and defends against influenza A virus infection. Nature Communications, 2020, 11, 162.	12.8	12
9	Regulatory mechanisms for the axonal localization of tau protein in neurons. Molecular Biology of the Cell, 2019, 30, 2441-2457.	2.1	29
10	Cover Image, Volume 527, Issue 5. Journal of Comparative Neurology, 2019, 527, C1.	1.6	0
11	Pathological Progression Induced by the Frontotemporal Dementia-Associated R406W Tau Mutation in Patient-Derived iPSCs. Stem Cell Reports, 2019, 13, 684-699.	4.8	46
12	Ectopic Expression Induces Abnormal Somatodendritic Distribution of Tau in the Mouse Brain. Journal of Neuroscience, 2019, 39, 6781-6797.	3.6	12
13	Visualization of Amyloid β Deposits in the Human Brain with Matrix-assisted Laser Desorption/Ionization Imaging Mass Spectrometry. Journal of Visualized Experiments, 2019, , .	0.3	16
14	Distribution of endogenous normal tau in the mouse brain. Journal of Comparative Neurology, 2019, 527, 985-998.	1.6	46
15	Isoform-independent and -dependent phosphorylation of microtubule-associated protein tau in mouse brain during postnatal development. Journal of Biological Chemistry, 2018, 293, 1781-1793.	3.4	36
16	Imbalanced Expression of Tau and Tubulin Induces Neuronal Dysfunction in C. elegans Models of Tauopathy. Frontiers in Neuroscience, 2018, 12, 415.	2.8	21
17	Distribution of oxidized DJ-1 in Parkinsonâ€™s disease-related sites in the brain and in the peripheral tissues: effects of aging and a neurotoxin. Scientific Reports, 2018, 8, 12056.	3.3	28
18	Distinct deposition of amyloid-Î² species in brains with Alzheimerâ€™s disease pathology visualized with MALDI imaging mass spectrometry. Acta Neuropathologica Communications, 2017, 5, 73.	5.2	85

#	Article	IF	Citations
19	The Role of the Carboxyl-Terminal Sequence of Tau and MAP2 in the Pathogenesis of Dementia. Frontiers in Molecular Neuroscience, 2016, 9, 158.	2.9	16
20	Curcumin improves tau-induced neuronal dysfunction of nematodes. Neurobiology of Aging, 2016, 39, 69-81.	3.1	43
21	Toxic tau oligomer formation blocked by capping of cysteine residues with 1,2-dihydroxybenzene groups. Nature Communications, 2015, 6, 10216.	12.8	94
22	Identification of key amino acids responsible for the distinct aggregation properties of microtubuleâ€associated protein 2 and tau. Journal of Neurochemistry, 2015, 135, 19-26.	3.9	24
23	The Homologous Carboxyl-Terminal Domains of Microtubule-Associated Protein 2 and TAU Induce Neuronal Dysfunction and Have Differential Fates in the Evolution of Neurofibrillary Tangles. PLoS ONE, 2014, 9, e89796.	2.5	27
24	2P084 Structural Fluctuations of Tau Proteins from X-ray Single Molecule Observations(01E. Protein:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	0
25	Microtubule destruction induces tau liberation and its subsequent phosphorylation. FEBS Letters, 2010, 584, 3227-3232.	2.8	35
26	Anesthesia-Induced Hyperphosphorylation Detaches 3-Repeat Tau from Microtubules without Affecting Their StabilityIn Vivo. Journal of Neuroscience, 2008, 28, 12798-12807.	3.6	83
27	Granular Tau Oligomers as Intermediates of Tau Filamentsâ€. Biochemistry, 2007, 46, 3856-3861.	2.5	254
28	Visualization of Newly Deposited tau in Neurofibrillary Tangles and Neuropil Threads. Journal of Neuropathology and Experimental Neurology, 2005, 64, 665-674.	1.7	32
29	Progressive neurodegeneration in C. elegans model of tauopathy. Neurobiology of Disease, 2005, 20, 372-383.	4.4	98
30	Aberrant Tau Phosphorylation by Glycogen Synthase Kinase-3Î² and JNK3 Induces Oligomeric Tau Fibrils in COS-7 Cells. Journal of Biological Chemistry, 2002, 277, 42060-42065.	3.4	119
31	Tau filament formation and associative memory deficit in aged mice expressing mutant (R406W) human tau. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13896-13901.	7.1	254
32	Molecular Analysis of Mutant and Wild-Type Tau Deposited in the Brain Affected by the FTDP-17 R406W Mutation. American Journal of Pathology, 2001, 158, 373-379.	3.8	55
33	Selective Deposition of Mutant Tau in the FTDP-17 Brain Affected by the P301L Mutation. Journal of Neuropathology and Experimental Neurology, 2001, 60, 872-884.	1.7	47