

Tomohiro Miyasaka

List of Publications by Year in descending order

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33
papers

1,573
citations

394421

19
h-index

434195

31
g-index

38
all docs

38
docs citations

38
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	Tau filament formation and associative memory deficit in aged mice expressing mutant (R406W) human tau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13896-13901.	7.1	254
2	Granular Tau Oligomers as Intermediates of Tau Filaments. <i>Biochemistry</i> , 2007, 46, 3856-3861.	2.5	254
3	Aberrant Tau Phosphorylation by Glycogen Synthase Kinase-3 β and JNK3 Induces Oligomeric Tau Fibrils in COS-7 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 42060-42065.	3.4	119
4	Progressive neurodegeneration in <i>C. elegans</i> model of tauopathy. <i>Neurobiology of Disease</i> , 2005, 20, 372-383.	4.4	98
5	Toxic tau oligomer formation blocked by capping of cysteine residues with 1,2-dihydroxybenzene groups. <i>Nature Communications</i> , 2015, 6, 10216.	12.8	94
6	Distinct deposition of amyloid- β species in brains with Alzheimer's disease pathology visualized with MALDI imaging mass spectrometry. <i>Acta Neuropathologica Communications</i> , 2017, 5, 73.	5.2	85
7	Anesthesia-Induced Hyperphosphorylation Detaches 3-Repeat Tau from Microtubules without Affecting Their Stability <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2008, 28, 12798-12807.	3.6	83
8	Molecular Analysis of Mutant and Wild-Type Tau Deposited in the Brain Affected by the FTDP-17 R406W Mutation. <i>American Journal of Pathology</i> , 2001, 158, 373-379.	3.8	55
9	Selective Deposition of Mutant Tau in the FTDP-17 Brain Affected by the P301L Mutation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2001, 60, 872-884.	1.7	47
10	Pathological Progression Induced by the Frontotemporal Dementia-Associated R406W Tau Mutation in Patient-Derived iPSCs. <i>Stem Cell Reports</i> , 2019, 13, 684-699.	4.8	46
11	Distribution of endogenous normal tau in the mouse brain. <i>Journal of Comparative Neurology</i> , 2019, 527, 985-998.	1.6	46
12	Curcumin improves tau-induced neuronal dysfunction of nematodes. <i>Neurobiology of Aging</i> , 2016, 39, 69-81.	3.1	43
13	Isoform-independent and -dependent phosphorylation of microtubule-associated protein tau in mouse brain during postnatal development. <i>Journal of Biological Chemistry</i> , 2018, 293, 1781-1793.	3.4	36
14	Microtubule destruction induces tau liberation and its subsequent phosphorylation. <i>FEBS Letters</i> , 2010, 584, 3227-3232.	2.8	35
15	Visualization of Newly Deposited tau in Neurofibrillary Tangles and Neuropil Threads. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 665-674.	1.7	32
16	Regulatory mechanisms for the axonal localization of tau protein in neurons. <i>Molecular Biology of the Cell</i> , 2019, 30, 2441-2457.	2.1	29
17	Distribution of oxidized DJ-1 in Parkinson's disease-related sites in the brain and in the peripheral tissues: effects of aging and a neurotoxin. <i>Scientific Reports</i> , 2018, 8, 12056.	3.3	28
18	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. <i>PLoS ONE</i> , 2014, 9, e89796.	2.5	27

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19	Identification of key amino acids responsible for the distinct aggregation properties of microtubule-associated protein 2 and tau. <i>Journal of Neurochemistry</i> , 2015, 135, 19-26.	3.9	24
20	Imbalanced Expression of Tau and Tubulin Induces Neuronal Dysfunction in <i>C. elegans</i> Models of Tauopathy. <i>Frontiers in Neuroscience</i> , 2018, 12, 415.	2.8	21
21	The Role of the Carboxyl-Terminal Sequence of Tau and MAP2 in the Pathogenesis of Dementia. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 158.	2.9	16
22	Visualization of Amyloid β Deposits in the Human Brain with Matrix-assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	16
23	Disulfide bond formation in microtubule-associated tau protein promotes tau accumulation and toxicity <i>in vivo</i> . <i>Human Molecular Genetics</i> , 2021, 30, 1955-1967.	2.9	15
24	Ectopic Expression Induces Abnormal Somatodendritic Distribution of Tau in the Mouse Brain. <i>Journal of Neuroscience</i> , 2019, 39, 6781-6797.	3.6	12
25	Inhibition of microtubule assembly competent tubulin synthesis leads to accumulation of phosphorylated tau in neuronal cell bodies. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 779-785.	2.1	12
26	The inducible amphisome isolates viral hemagglutinin and defends against influenza A virus infection. <i>Nature Communications</i> , 2020, 11, 162.	12.8	12
27	Therapeutic effect of a novel curcumin derivative GT863 on a mouse model of amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2022, 23, 489-495.	1.7	8
28	Microtubule assembly by tau impairs endocytosis and neurotransmission via dynamin sequestration in Alzheimer's disease synapse model. <i>eLife</i> , 2022, 11, .	6.0	8
29	A potential defense mechanism against amyloid deposition in cerebellum. <i>Biochemical and Biophysical Research Communications</i> , 2021, 535, 25-32.	2.1	7
30	Quantum-dot-labeled synuclein seed assay identifies drugs modulating the experimental prion-like transmission. <i>Communications Biology</i> , 2022, 5, .	4.4	5
31	Quantitative fractionation of tissue microtubules with distinct biochemical properties reflecting their stability and lability. <i>Biochemical and Biophysical Research Communications</i> , 2021, 560, 186-191.	2.1	2
32	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
33	Cover Image, Volume 527, Issue 5. <i>Journal of Comparative Neurology</i> , 2019, 527, C1.	1.6	0