Hwan-Ching Tai

List of Publications by Year
in descending order

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38 papers	2,367 citations	471509 17 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	4356 citing authors

#	Article	IF	Citations
1	Ubiquitin, the proteasome and protein degradation in neuronal function and dysfunction. Nature Reviews Neuroscience, 2008, 9, 826-838.	10.2	419
2	The Synaptic Accumulation of Hyperphosphorylated Tau Oligomers in Alzheimer Disease Is Associated With Dysfunction of the Ubiquitin-Proteasome System. American Journal of Pathology, 2012, 181, 1426-1435.	3.8	369
3	Dissecting phenotypic traits linked to human resilience to Alzheimerâ€™s pathology. Brain, 2013, 136, 2510-2526.	7.6	294
4	Apolipoprotein E4 effects in Alzheimerâ€™s disease are mediated by synaptotoxic oligomeric amyloid-Î². Brain, 2012, 135, 2155-2168.	7.6	268
5	Parallel Identification ofO-GlcNAc-Modified Proteins from Cell Lysates. Journal of the American Chemical Society, 2004, 126, 10500-10501.	13.7	111
6	Interaction modes and approaches to glycopeptide and glycoprotein enrichment. Analyst, The, 2014, 139, 688-704.	3.5	111
7	Characterization of the brain 26S proteasome and its interacting proteins. Frontiers in Molecular Neuroscience, 2010, 3, .	2.9	99
8	Synaptic alterations in the rTg4510 mouse model of tauopathy. Journal of Comparative Neurology, 2013, 521, 1334-1353.	1.6	98
9	Axonal Translation of Î²-Catenin Regulates Synaptic Vesicle Dynamics. Journal of Neuroscience, 2013, 33, 5584-5589.	3.6	86
10	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2014, 2, 146.	5.2	79
11	On the Rigidity of Polynorbornenes with Dipolar Pendant Groups. Chemistry - A European Journal, 2006, 12, 324-330.	3.3	60
12	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in AlzheimerÂ¿s disease. Acta Neuropathologica Communications, 2014, 2, 146.	5.2	60
13	The Study of Postmortem Human Synaptosomes for Understanding Alzheimerâ€™s Disease and Other Neurological Disorders: A Review. Neurology and Therapy, 2017, 6, 57-68.	3.2	54
14	Î²-Amyloid Induces Pathology-Related Patterns of Tau Hyperphosphorylation at Synaptic Terminals. Journal of Neuropathology and Experimental Neurology, 2018, 77, 814-826.	1.7	46
15	Chemical distinctions between Stradivariâ€™s maple and modern tonewood. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 27-32.	7.1	36
16	Acoustic evolution of old Italian violins from Amati to Stradivari. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5926-5931.	7.1	30
17	MicroRNA: MicroRNAs Reach out into Dendrites. Current Biology, 2006, 16, R121-R123.	3.9	23
18	Comparative study of five different amine-derivatization methods for metabolite analyses by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1610, 460536.	3.7	16

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19	Chemical Inhibition of Human Thymidylate Kinase and Structural Insights into the Phosphate Binding Loop and Ligand-Induced Degradation. Journal of Medicinal Chemistry, 2016, 59, 9906-9918.	6.4	15
20	Faster magic angle spinning reveals cellulose conformations in woods. Chemical Communications, 2021, 57, 4110-4113.	4.1	15
21	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie - International Edition, 2021, 60, 19144-19154.	13.8	11
22	Therapeutic potential and underlying mechanism of sarcosine (N-methylglycine) in N-methyl-D-aspartate (NMDA) receptor hypofunction models of schizophrenia. Journal of Psychopharmacology, 2019, 33, 1288-1302.	4.0	10
23	Two-photon fluorescence and second harmonic generation hyperspectral imaging of old and modern spruce woods. Optics Express, 2020, 28, 38831.	3.4	8
24	Aggregation of Betaâ€Amyloid Peptides Proximal to Zwitterionic Lipid Bilayers. Chemistry - an Asian Journal, 2015, 10, 1967-1971.	3.3	7
25	Angelman Syndrome: Finding the Lost Arc. Cell, 2010, 140, 608-610.	28.9	6
26	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie, 2021, 133, 19293-19303.	2.0	6
27	Identification and characterization of wood from antique Chinese guqin zithers. Journal of Cultural Heritage, 2022, 53, 72-79.	3.3	6
28	Role of timbre memory in evaluating Stradivari violins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2778.	7.1	5
29	A facile ionic-liquid pretreatment method for the examination of archaeological wood by scanning electron microscopy. Scientific Reports, 2019, 9, 13253.	3.3	5
30	Identification of 2-oxohistidine Interacting Proteins Using E. coli Proteome Chips. Molecular and Cellular Proteomics, 2016, 15, 3581-3593.	3.8	3
31	Synthesis of peptides containing 2-oxohistidine residues and their characterization by liquid chromatography-tandem mass spectrometry. Journal of Peptide Science, 2015, 21, 114-119.	1.4	2
32	Fibrillization of Î²â€Amyloid Peptides via Chemically Modulated Pathway. Chemistry - A European Journal, 2018, 24, 4939-4943.	3.3	2
33	Surface charge manipulation and electrostatic immobilization of synaptosomes for super-resolution imaging: a study on tau compartmentalization. Scientific Reports, 2021, 11, 18583.	3.3	2
34	String Theories: Chemical Secrets of Italian Violins and Chinese Guqins. , 2020, , .		1
35	Dimethylcysteine (DiCys)/o-Phthalaldehyde Derivatization for Chiral Metabolite Analyses: Cross-Comparison of Six Chiral Thiols. Molecules, 2021, 26, 7416.	3.8	1
36	Frontispiece: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0

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37	Frontispiz: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie, 2021, 133, .	2.0	0
38	A nanovesicle platform to deliver neoantigens and immune checkpoint inhibitors: To ASPIRE for novel cancer vaccines. , 2022, 1, .		0