Hwan-Ching Tai

List of Publications by Year
in descending order

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Version: 2024-02-01

38 papers	2,367 citations	535685 17 h-index	425179 34 g-index
40 all docs	40 docs citations	40 times ranked	4821 citing authors

#	Article	IF	Citations
1	Identification and characterization of wood from antique Chinese guqin zithers. Journal of Cultural Heritage, 2022, 53, 72-79.	1.5	6
2	A nanovesicle platform to deliver neoantigens and immune checkpoint inhibitors: To ASPIRE for novel cancer vaccines. , 2022, 1, .		0
3	Faster magic angle spinning reveals cellulose conformations in woods. Chemical Communications, 2021, 57, 4110-4113.	2.2	15
4	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie, 2021, 133, 19293-19303.	1.6	6
5	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie - International Edition, 2021, 60, 19144-19154.	7.2	11
6	Frontispiece: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
7	Frontispiz: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. Angewandte Chemie, 2021, 133, .	1.6	0
8	Surface charge manipulation and electrostatic immobilization of synaptosomes for super-resolution imaging: a study on tau compartmentalization. Scientific Reports, 2021, 11, 18583.	1.6	2
9	Dimethylcysteine (DiCys)/o-Phthalaldehyde Derivatization for Chiral Metabolite Analyses: Cross-Comparison of Six Chiral Thiols. Molecules, 2021, 26, 7416.	1.7	1
10	Comparative study of five different amine-derivatization methods for metabolite analyses by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1610, 460536.	1.8	16
11	Two-photon fluorescence and second harmonic generation hyperspectral imaging of old and modern spruce woods. Optics Express, 2020, 28, 38831.	1.7	8
12	String Theories: Chemical Secrets of Italian Violins and Chinese Guqins. , 2020, , .		1
13	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.	2.0	10
14	A facile ionic-liquid pretreatment method for the examination of archaeological wood by scanning electron microscopy. Scientific Reports, 2019, 9, 13253.	1.6	5
15	Fibrillization of Î²â€Amyloid Peptides via Chemically Modulated Pathway. Chemistry - A European Journal, 2018, 24, 4939-4943.	1.7	2
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.	3.3	30
17	Î²-Amyloid Induces Pathology-Related Patterns of Tau Hyperphosphorylation at Synaptic Terminals. Journal of Neuropathology and Experimental Neurology, 2018, 77, 814-826.	0.9	46
18	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.	3.3	36

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19	The Study of Postmortem Human Synaptosomes for Understanding Alzheimerâ€™s Disease and Other Neurological Disorders: A Review. Neurology and Therapy, 2017, 6, 57-68.	1.4	54
20	Identification of 2-oxohistidine Interacting Proteins Using E. coli Proteome Chips. Molecular and Cellular Proteomics, 2016, 15, 3581-3593.	2.5	3
21	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.	2.9	15
22	Aggregation of Betaâ€Amyloid Peptides Proximal to Zwitterionic Lipid Bilayers. Chemistry - an Asian Journal, 2015, 10, 1967-1971.	1.7	7
23	Synthesis of peptides containing 2-oxohistidine residues and their characterization by liquid chromatography-tandem mass spectrometry. Journal of Peptide Science, 2015, 21, 114-119.	0.8	2
24	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2014, 2, 146.	2.4	79
25	Interaction modes and approaches to glycopeptide and glycoprotein enrichment. Analyst, The, 2014, 139, 688-704.	1.7	111
26	Role of timbre memory in evaluating Stradivari violins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2778.	3.3	5
27	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in AlzheimerÂ¿s disease. Acta Neuropathologica Communications, 2014, 2, 146.	2.4	60
28	Dissecting phenotypic traits linked to human resilience to Alzheimerâ€™s pathology. Brain, 2013, 136, 2510-2526.	3.7	294
29	Axonal Translation of Î²-Catenin Regulates Synaptic Vesicle Dynamics. Journal of Neuroscience, 2013, 33, 5584-5589.	1.7	86
30	Synaptic alterations in the rTg4510 mouse model of tauopathy. Journal of Comparative Neurology, 2013, 521, 1334-1353.	0.9	98
31	Apolipoprotein E4 effects in Alzheimerâ€™s disease are mediated by synaptotoxic oligomeric amyloid-Î². Brain, 2012, 135, 2155-2168.	3.7	268
32	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.	1.9	369
33	Characterization of the brain 26S proteasome and its interacting proteins. Frontiers in Molecular Neuroscience, 2010, 3, .	1.4	99
34	Angelman Syndrome: Finding the Lost Arc. Cell, 2010, 140, 608-610.	13.5	6
35	Ubiquitin, the proteasome and protein degradation in neuronal function and dysfunction. Nature Reviews Neuroscience, 2008, 9, 826-838.	4.9	419
36	MicroRNA: MicroRNAs Reach out into Dendrites. Current Biology, 2006, 16, R121-R123.	1.8	23

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37	On the Rigidity of Polynorbornenes with Dipolar Pendant Groups. Chemistry - A European Journal, 2006, 12, 324-330.	1.7	60
38	Parallel Identification ofO-GlcNAc-Modified Proteins from Cell Lysates. Journal of the American Chemical Society, 2004, 126, 10500-10501.	6.6	111