

Hwan-Ching Tai

List of Publications by Year in descending order

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Version: 2024-02-01

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	Identification and characterization of wood from antique Chinese guqin zithers. <i>Journal of Cultural Heritage</i> , 2022, 53, 72-79.	3.3	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. <i>Chemical Communications</i> , 2021, 57, 4110-4113.	4.1	15
4	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. <i>Angewandte Chemie</i> , 2021, 133, 19293-19303.	2.0	6
5	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19144-19154.	13.8	11
6	Frontispiece: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	0
7	Frontispiz: Materials Engineering of Violin Soundboards by Stradivari and Guarneri. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0
8	Surface charge manipulation and electrostatic immobilization of synaptosomes for super-resolution imaging: a study on tau compartmentalization. <i>Scientific Reports</i> , 2021, 11, 18583.	3.3	2
9	Dimethylcysteine (DiCys)/o-Phthalaldehyde Derivatization for Chiral Metabolite Analyses: Cross-Comparison of Six Chiral Thiols. <i>Molecules</i> , 2021, 26, 7416.	3.8	1
10	Comparative study of five different amine-derivatization methods for metabolite analyses by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1610, 460536.	3.7	16
11	Two-photon fluorescence and second harmonic generation hyperspectral imaging of old and modern spruce woods. <i>Optics Express</i> , 2020, 28, 38831.	3.4	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. <i>Journal of Psychopharmacology</i> , 2019, 33, 1288-1302.	4.0	10
14	A facile ionic-liquid pretreatment method for the examination of archaeological wood by scanning electron microscopy. <i>Scientific Reports</i> , 2019, 9, 13253.	3.3	5
15	Fibrillization of β -Amyloid Peptides via Chemically Modulated Pathway. <i>Chemistry - A European Journal</i> , 2018, 24, 4939-4943.	3.3	2
16	Acoustic evolution of old Italian violins from Amati to Stradivari. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5926-5931.	7.1	30
17	β -Amyloid Induces Pathology-Related Patterns of Tau Hyperphosphorylation at Synaptic Terminals. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 814-826.	1.7	46
18	Chemical distinctions between Stradivari TM s maple and modern tonewood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 27-32.	7.1	36

#	ARTICLE	IF	CITATIONS
19	The Study of Postmortem Human Synaptosomes for Understanding Alzheimer's Disease and Other Neurological Disorders: A Review. <i>Neurology and Therapy</i> , 2017, 6, 57-68.	3.2	54
20	Identification of 2-oxohistidine Interacting Proteins Using E. coli Proteome Chips. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3581-3593.	3.8	3
21	Chemical Inhibition of Human Thymidylate Kinase and Structural Insights into the Phosphate Binding Loop and Ligand-Induced Degradation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9906-9918.	6.4	15
22	Aggregation of Beta-Amyloid Peptides Proximal to Zwitterionic Lipid Bilayers. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1967-1971.	3.3	7
23	Synthesis of peptides containing 2-oxohistidine residues and their characterization by liquid chromatography-tandem mass spectrometry. <i>Journal of Peptide Science</i> , 2015, 21, 114-119.	1.4	2
24	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2014, 2, 146.	5.2	79
25	Interaction modes and approaches to glycopeptide and glycoprotein enrichment. <i>Analyst</i> , The, 2014, 139, 688-704.	3.5	111
26	Role of timbre memory in evaluating Stradivari violins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2778.	7.1	5
27	Frequent and symmetric deposition of misfolded tau oligomers within presynaptic and postsynaptic terminals in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2014, 2, 146.	5.2	60
28	Dissecting phenotypic traits linked to human resilience to Alzheimer's pathology. <i>Brain</i> , 2013, 136, 2510-2526.	7.6	294
29	Axonal Translation of β -Catenin Regulates Synaptic Vesicle Dynamics. <i>Journal of Neuroscience</i> , 2013, 33, 5584-5589.	3.6	86
30	Synaptic alterations in the rTg4510 mouse model of tauopathy. <i>Journal of Comparative Neurology</i> , 2013, 521, 1334-1353.	1.6	98
31	Apolipoprotein E4 effects in Alzheimer's disease are mediated by synaptotoxic oligomeric amyloid- β . <i>Brain</i> , 2012, 135, 2155-2168.	7.6	268
32	The Synaptic Accumulation of Hyperphosphorylated Tau Oligomers in Alzheimer Disease Is Associated With Dysfunction of the Ubiquitin-Proteasome System. <i>American Journal of Pathology</i> , 2012, 181, 1426-1435.	3.8	369
33	Characterization of the brain 26S proteasome and its interacting proteins. <i>Frontiers in Molecular Neuroscience</i> , 2010, 3, .	2.9	99
34	Angelman Syndrome: Finding the Lost Arc. <i>Cell</i> , 2010, 140, 608-610.	28.9	6
35	Ubiquitin, the proteasome and protein degradation in neuronal function and dysfunction. <i>Nature Reviews Neuroscience</i> , 2008, 9, 826-838.	10.2	419
36	MicroRNA: MicroRNAs Reach out into Dendrites. <i>Current Biology</i> , 2006, 16, R121-R123.	3.9	23

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37	On the Rigidity of Polynorbornenes with Dipolar Pendant Groups. Chemistry - A European Journal, 2006, 12, 324-330.	3.3	60
38	Parallel Identification of O-GlcNAc-Modified Proteins from Cell Lysates. Journal of the American Chemical Society, 2004, 126, 10500-10501.	13.7	111