

# Chung-Hsin Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4535700/publications.pdf>

Version: 2024-02-01

59  
papers

648  
citations

471509

17  
h-index

677142

22  
g-index

61  
all docs

61  
docs citations

61  
times ranked

732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imidacloprid toxicity impairs spatial memory of echolocation bats through neural apoptosis in hippocampal CA1 and medial entorhinal cortex areas. <i>NeuroReport</i> , 2016, 27, 462-468.	1.2	36
2	Protective Effects of Wogonin against Alzheimer's Disease by Inhibition of Amyloidogenic Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-13.	1.2	29
3	GABA-mediated echo duration selectivity of inferior collicular neurons of <i>Eptesicus fuscus</i> , determined with single pulses and pulse-echo pairs. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 985-1002.	1.6	26
4	Duration selectivity organization in the inferior colliculus of the big brown bat, <i>Eptesicus fuscus</i> . <i>Brain Research</i> , 2006, 1108, 76-87.	2.2	26
5	Role of the CCAAT-Binding Protein NFY in SCA17 Pathogenesis. <i>PLoS ONE</i> , 2012, 7, e35302.	2.5	25
6	Effects of imidacloprid, a neonicotinoid insecticide, on the echolocation system of insectivorous bats. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 94-101.	3.6	25
7	The role of GABAergic inhibition in shaping the response size and duration selectivity of bat inferior collicular neurons to sound pulses in rapid sequences. <i>Hearing Research</i> , 2005, 202, 222-234.	2.0	24
8	Resolution enhancement of spectrum normalization in synthetic aperture digital holographic microscopy. <i>Applied Optics</i> , 2015, 54, A51.	1.8	24
9	Temporally patterned sound pulse trains affect intensity and frequency sensitivity of inferior collicular neurons of the big brown bat, <i>Eptesicus fuscus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 605-616.	1.6	23
10	The role of GABAergic inhibition in shaping duration selectivity of bat inferior collicular neurons determined with temporally patterned sound trains. <i>Hearing Research</i> , 2006, 215, 56-66.	2.0	23
11	Characterization of an iron oxide nanoparticle labelling and MRI-based protocol for inducing human mesenchymal stem cells into neural-like cells. <i>Scientific Reports</i> , 2017, 7, 3587.	3.3	23
12	GABAergic inhibition contributes to pulse repetition rate-dependent frequency selectivity in the inferior colliculus of the big brown bat, <i>Eptesicus fuscus</i> . <i>Brain Research</i> , 2002, 948, 159-164.	2.2	22
13	Echo duration selectivity of the bat varies with pulse-echo amplitude difference. <i>NeuroReport</i> , 2008, 19, 373-377.	1.2	22
14	Theanine inhibits proinflammatory PKC/ERK/ICAM-1/IL-33 signaling, apoptosis, and autophagy formation in substance P-induced hyperactive bladder in rats. <i>Neurourology and Urodynamics</i> , 2017, 36, 297-307.	1.5	21
15	Echo frequency selectivity of duration-tuned inferior collicular neurons of the big brown bat, <i>Eptesicus fuscus</i> , determined with pulse-echo pairs. <i>Neuroscience</i> , 2008, 156, 1028-1038.	2.3	19
16	Altered expression of HSPA5, HSPA8 and PARK7 in spinocerebellar ataxia type 17 identified by 2-dimensional fluorescence difference in gel electrophoresis. <i>Clinica Chimica Acta</i> , 2009, 400, 56-62.	1.1	19
17	Neurotoxicity of fipronil affects sensory and motor systems in zebrafish. <i>Pesticide Biochemistry and Physiology</i> , 2021, 177, 104896.	3.6	19
18	The potential of synthetic indolylquinoline derivatives for A $\beta$ aggregation reduction by chemical chaperone activity. <i>Neuropharmacology</i> , 2016, 101, 309-319.	4.1	18

#	ARTICLE	IF	CITATIONS
19	Ba-Wei-Di-Huang-Wan through its active ingredient loganin counteracts substance P-enhanced NF- $\kappa$ B/ICAM-1 signaling in rats with bladder hyperactivity. <i>Neurourology and Urodynamics</i> , 2016, 35, 771-779.	1.5	15
20	Association of polymorphisms in BDNF, MTHFR, and genes involved in the dopaminergic pathway with memory in a healthy Chinese population. <i>Brain and Cognition</i> , 2012, 80, 282-289.	1.8	14
21	Physiological and Histological Evaluations of the Cochlea between 3xTg-AD Mouse Model of Alzheimer's Diseases and R6/2 Mouse Model of Huntington's Diseases. <i>Chinese Journal of Physiology</i> , 2015, 58, 359-366.	1.0	14
22	Oral treatment with herbal formula B307 alleviates cardiac failure in aging R6/2 mice with Huntington's disease via suppressing oxidative stress, inflammation, and apoptosis. <i>Clinical Interventions in Aging</i> , 2015, 10, 1173.	2.9	12
23	Bat inferior collicular neurons have the greatest frequency selectivity when determined with best-duration pulses. <i>Neuroscience Letters</i> , 2008, 438, 362-367.	2.1	10
24	Treatment with a Ginkgo biloba extract, EGb 761, inhibits excitotoxicity in an animal model of spinocerebellar ataxia type 17. <i>Drug Design, Development and Therapy</i> , 2016, 10, 723.	4.3	10
25	Applications of digital holographic microscopy in therapeutic evaluation of Chinese herbal medicines. <i>Applied Optics</i> , 2014, 53, G192.	1.8	9
26	Treatment with a herbal formula B401 enhances neuroprotection and angiogenesis in the R6/2 mouse model of Huntington's disease. <i>Drug Design, Development and Therapy</i> , 2015, 9, 887.	4.3	9
27	Tau Phosphorylation and Cochlear Apoptosis Cause Hearing Loss in 3 $\times$ Tg-AD Mouse Model of Alzheimer's Disease. <i>Chinese Journal of Physiology</i> , 2021, 64, 61-71.	1.0	9
28	Indole and synthetic derivative activate chaperone expression to reduce polyQ aggregation in SCA17 neuronal cell and slice culture models. <i>Drug Design, Development and Therapy</i> , 2014, 8, 1929.	4.3	8
29	Oral treatment with the herbal formula B307 alleviates cardiac toxicity in doxorubicin-treated mice via suppressing oxidative stress, inflammation, and apoptosis. <i>OncoTargets and Therapy</i> , 2015, 8, 1193.	2.0	8
30	Dynamic temporal signal processing in the inferior colliculus of echolocating bats. <i>Frontiers in Neural Circuits</i> , 2012, 6, 27.	2.8	7
31	The cochlear size of bats and rodents derived from MRI images and histology. <i>NeuroReport</i> , 2015, 26, 478-482.	1.2	7
32	Neuroprotective Effects of the Herbal Formula B401 in Both Cell and Mouse Models of Alzheimer's Disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-17.	1.2	7
33	Auditory frequency selectivity is better for expected than for unexpected sound duration. <i>NeuroReport</i> , 2008, 19, 127-131.	1.2	6
34	Encephalomyocarditis virus is potentially derived from eastern bent-wing bats living in East Asian countries. <i>Virus Research</i> , 2019, 259, 62-67.	2.2	6
35	Dispersal history of <i>Miniopterus fuliginosus</i> bats and their associated viruses in east Asia. <i>PLoS ONE</i> , 2021, 16, e0244006.	2.5	6
36	Chinese Herbal Medicine, Guilu Erxian Glue, as Alternative Medicine for Adverse Side Effects of Chemotherapy in Doxorubicin-Treated Cell and Mouse Models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Application of digital holographic tomography in antitumor effect of cantharides complex on 4T1 breast cancer cells. <i>Applied Optics</i> , 2021, 60, 3365.	1.8	6
38	Chinese Herbal Medicine Alleviates Thyroidectomy-Induced Cardiopulmonary Exercise Dysfunction in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-8.	1.2	5
39	Alternative antibiotic feed additives alleviate pneumonia with inhibiting ACE2 expression in the respiratory system of piglets. <i>Food Science and Nutrition</i> , 2021, 9, 1112-1120.	3.4	5
40	Echo amplitude selectivity of the bat is better for expected than for unexpected echo duration. <i>NeuroReport</i> , 2009, 20, 1183-1187.	1.2	4
41	Oral treatment with herbal formula B401 alleviates penile toxicity in aging mice with manganese. <i>Clinical Interventions in Aging</i> , 2015, 10, 907.	2.9	4
42	Oral treatment with the Chinese herbal supplements B307 enhances muscle endurance of ICR mice after exhaustive swimming via suppressing fatigue, oxidative stress, and inflammation. <i>Food Science and Nutrition</i> , 2020, 8, 3682-3691.	3.4	4
43	Traditional Chinese Medicine Yang-Gan-Wan Alleviated Experimental Hepatic Damage by Inhibiting Oxidation, Inflammation, and Apoptosis in Cell and Mouse Models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13.	1.2	4
44	Neurons in the inferior colliculus of the big brown bat show maximal amplitude sensitivity at the best duration. <i>Chinese Journal of Physiology</i> , 2007, 50, 258-68.	1.0	4
45	Neurotherapy of Yi-Gan-San, a Traditional Herbal Medicine, in an Alzheimer's Disease Model of <i>Drosophila melanogaster</i> by Alleviating A $\beta$ 242 Expression. <i>Plants</i> , 2022, 11, 572.	3.5	4
46	Oral treatment with the herbal formula B401 protects against aging-dependent neurodegeneration by attenuating oxidative stress and apoptosis in the brain of R6/2 mice. <i>Clinical Interventions in Aging</i> , 2015, 10, 1825.	2.9	3
47	Hypothermic neuroprotections in the brain of an echolocation bat, <i>Hipposideros terasensis</i> . <i>NeuroReport</i> , 2017, 28, 956-962.	1.2	3
48	Reproductive Regulation and Oxidative Stress Alleviation of Chinese Herbal Medicine Therapy in Ovariectomised Mouse Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-9.	1.2	3
49	Chinese Veterinary Medicine B307 Promotes Cardiac Performance and Skeletal Muscle Contraction via Enhancing Intracellular Calcium Levels and Neural Electrical Activity in Animal and Cell Models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-10.	1.2	3
50	Chinese Herbal Medicine Formula Guizhi Li-Zhong Tang as an Alternative to Antibiotic Feed Additives for Preventing Pneumonia in Piglets through Antioxidant, Anti-Inflammatory, and Antiapoptotic Protection. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-10.	1.2	3
51	MPTP toxicity causes vocal, auditory, orientation and movement defects in the echolocation bat. <i>NeuroReport</i> , 2021, 32, 125-134.	1.2	3
52	Comparisons of MRI images, and auditory-related and vocal-related protein expressions in the brain of echolocation bats and rodents. <i>NeuroReport</i> , 2016, 27, 923-928.	1.2	2
53	Remission roles of the herbal formula B401 in mice with manganese-induced neurotoxicity. <i>Botanics: Targets and Therapy</i> , 0, Volume 6, 75-88.	0.3	1
54	Strengthened Aerobic Exercise Ability in Adiponectin R1 Transgenic Mice. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 886-887.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Declined Aerobic Running Capacity Causes Exercise Impairment in The R6/2 Mice of Huntington's Disease. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 884.	0.4	0
56	Exercise Preconditioning Does Not Affect Antitumor Activities Of Doxorubicin. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 758-759.	0.4	0
57	Echo amplitude sensitivity of bat auditory neurons improves with decreasing pulseâ€™echo gap. <i>NeuroReport</i> , 2015, 26, 38-43.	1.2	0
58	Traditional Chinese herbal formula relieves snoring by modulating activities of upper airway related nerves in aged rats. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 1165-1171.	4.3	0
59	Effect Of 2-week Cold-water Swimming On White Adipose Tissue Browning In Mice. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 438.	0.4	0