

# Chin-Chu Chen

## List of Publications by Year in descending order

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64  
papers

1,443  
citations

361413

20  
h-index

361022

35  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antrodan Alleviates High-Fat and High-Fructose Diet-Induced Fatty Liver Disease in C57BL/6 Mice Model via AMPK/Sirt1/SREBP-1c/PPAR $\beta$ Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 360.	4.1	97
2	Protective Effects of <i>Hericium erinaceus</i> Mycelium and Its Isolated Erinacine A against Ischemia-Injury-Induced Neuronal Cell Death via the Inhibition of iNOS/p38 MAPK and Nitrotyrosine. <i>International Journal of Molecular Sciences</i> , 2014, 15, 15073-15089.	4.1	86
3	<i>Cordyceps cicadae</i> Mycelia Ameliorate Cisplatin-Induced Acute Kidney Injury by Suppressing the TLR4/NF- $\kappa$ B/MAPK and Activating the HO-1/Nrf2 and Sirt-1/AMPK Pathways in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	84
4	(2-Hydroxyethyl)adenosine in the Medicinal Mushroom <i>Cordyceps cicadae</i> Attenuates Lipopolysaccharide-Stimulated Pro-inflammatory Responses by Suppressing TLR4-Mediated NF- $\kappa$ B Signaling Pathways. <i>Journal of Natural Products</i> , 2015, 78, 2452-2460.	3.0	69
5	Erinacine A-Enriched <i>Hericium erinaceus</i> Mycelium Produces Antidepressant-Like Effects through Modulating BDNF/PI3K/Akt/GSK-3 $\beta$ Signaling in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 341.	4.1	65
6	Neurohealth Properties of <i>Hericium erinaceus</i> Mycelia Enriched with Erinacines. <i>Behavioural Neurology</i> , 2018, 2018, 1-10.	2.1	56
7	The Cyanthin Diterpenoid and Sesterterpene Constituents of <i>Hericium erinaceus</i> Mycelium Ameliorate Alzheimer's Disease-Related Pathologies in APP/PS1 Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 598.	4.1	55
8	Erinacine S, a Rare Sesterterpene from the Mycelia of <i>Hericium erinaceus</i> . <i>Journal of Natural Products</i> , 2016, 79, 438-441.	3.0	51
9	Evaluation of the toxicological safety of erinacine A-enriched <i>Hericium erinaceus</i> in a 28-day oral feeding study in Sprague-Dawley rats. <i>Food and Chemical Toxicology</i> , 2014, 70, 61-67.	3.6	50
10	Methanol Extract of <i>Antrodia camphorata</i> Protects against Lipopolysaccharide-Induced Acute Lung Injury by Suppressing NF- $\kappa$ B and MAPK Pathways in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5321-5329.	5.2	50
11	Anti-Inflammatory Activity of <i>Sanghuangporus sanghuang</i> Mycelium. <i>International Journal of Molecular Sciences</i> , 2017, 18, 347.	4.1	50
12	Prevention of Early Alzheimer's Disease by Erinacine A-Enriched <i>Hericium erinaceus</i> Mycelia Pilot Double-Blind Placebo-Controlled Study. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 155.	3.4	47
13	Polysaccharide extract of <i>Cordyceps sobolifera</i> attenuates renal injury in endotoxemic rats. <i>Food and Chemical Toxicology</i> , 2014, 69, 281-288.	3.6	41
14	A Comparative Proteomic Analysis of Erinacine A's Inhibition of Gastric Cancer Cell Viability and Invasiveness. <i>Cellular Physiology and Biochemistry</i> , 2017, 43, 195-208.	1.6	33
15	<i>Lactobacillus plantarum</i> GKM3 and <i>Lactobacillus paracasei</i> GKS6 Supplementation Ameliorates Bone Loss in Ovariectomized Mice by Promoting Osteoblast Differentiation and Inhibiting Osteoclast Formation. <i>Nutrients</i> , 2020, 12, 1914.	4.1	29
16	<i>Cordyceps cicadae</i> mycelia and its active compound HEA exert beneficial effects on blood glucose in type 2 diabetic db/db mice. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 606-612.	3.5	22
17	Induction Apoptosis of Erinacine A in Human Colorectal Cancer Cells Involving the Expression of TNFR, Fas, and Fas Ligand via the JNK/p300/p50 Signaling Pathway With Histone Acetylation. <i>Frontiers in Pharmacology</i> , 2019, 10, 1174.	3.5	22
18	<i>Lactobacillus plantarum</i> GKM3 Promotes Longevity, Memory Retention, and Reduces Brain Oxidation Stress in SAMP8 Mice. <i>Nutrients</i> , 2021, 13, 2860.	4.1	22

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19	Genotoxicity profile of erinacine A-enriched <i>Herichium erinaceus</i> mycelium. <i>Toxicology Reports</i> , 2014, 1, 1195-1201.	3.3	21
20	Anti-Inflammatory Effect of Erinacine C on NO Production Through Down-Regulation of NF- $\kappa$ B and Activation of Nrf2-Mediated HO-1 in BV2 Microglial Cells Treated with LPS. <i>Molecules</i> , 2019, 24, 3317.	3.8	21
21	Post-Treatment with Erinacine A, a Derived Diterpenoid of <i>H. erinaceus</i> , Attenuates Neurotoxicity in MPTP Model of Parkinson's Disease. <i>Antioxidants</i> , 2020, 9, 137.	5.1	21
22	Optimized production and safety evaluation of hispidin-enriched <i>Sanghuangporus sanghuang</i> mycelia. <i>Food Science and Nutrition</i> , 2020, 8, 1864-1873.	3.4	21
23	Physicochemical Characteristics and Anti-Inflammatory Activities of Antrodan, a Novel Glycoprotein Isolated from <i>Antrodia cinnamomea</i> Mycelia. <i>Molecules</i> , 2014, 19, 22-40.	3.8	20
24	<i>Sanghuangporus sanghuang</i> Mycelium Prevents Paracetamol-Induced Hepatotoxicity through Regulating the MAPK/NF- $\kappa$ B, Keap1/Nrf2/HO-1, TLR4/PI3K/Akt, and CaMKK $\beta$ /LKB1/AMPK Pathways and Suppressing Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2021, 10, 897.	5.1	20
25	A 90-Day Subchronic Toxicity Study of Submerged Mycelial Culture of <i>Cordyceps cicadae</i> (Ascomycetes) in Rats. <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 771-781.	1.5	19
26	Absolute Bioavailability, Tissue Distribution, and Excretion of Erinacine S in <i>Herichium erinaceus</i> Mycelia. <i>Molecules</i> , 2019, 24, 1624.	3.8	18
27	Three New Sesquiterpene Aryl Esters from the Mycelium of <i>Armillaria mellea</i> . <i>Molecules</i> , 2015, 20, 9994-10003.	3.8	17
28	Safety Assessment of HEA-Enriched <i>Cordyceps cicadae</i> Mycelium: A Randomized Clinical Trial. <i>Journal of the American College of Nutrition</i> , 2021, 40, 127-132.	1.8	16
29	Potential Protection Effect of ER Homeostasis of N6-(2-Hydroxyethyl)adenosine Isolated from <i>Cordyceps cicadae</i> in Nonsteroidal Anti-Inflammatory Drug-Stimulated Human Proximal Tubular Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1577.	4.1	15
30	Effect of probiotics <i>Lactobacillus paracasei</i> GKS6, <i>L. plantarum</i> GKM3, and <i>L. rhamnosus</i> GKLC1 on alleviating alcohol-induced alcoholic liver disease in a mouse model. <i>Nutrition Research and Practice</i> , 2020, 14, 299.	1.9	15
31	Erinacine A-enriched <i>Herichium erinaceus</i> mycelia promotes longevity in <i>Drosophila melanogaster</i> and aged mice. <i>PLoS ONE</i> , 2019, 14, e0217226.	2.5	14
32	<i>Lactobacillus rhamnosus</i> GKLC1 ameliorates cisplatin-induced chronic nephrotoxicity by inhibiting cell inflammation and apoptosis. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112701.	5.6	13
33	Acute and developmental toxicity assessment of erinacine A-enriched <i>Herichium erinaceus</i> mycelia in Sprague-Dawley rats. <i>Drug and Chemical Toxicology</i> , 2018, 41, 459-464.	2.3	12
34	Erinacine A-Enriched <i>Herichium erinaceus</i> Mycelium Delays Progression of Age-Related Cognitive Decline in Senescence Accelerated Mouse Prone 8 (SAMP8) Mice. <i>Nutrients</i> , 2021, 13, 3659.	4.1	12
35	Anti-Metastatic Effects of Antrodan with and without Cisplatin on Lewis Lung Carcinomas in a Mouse Xenograft Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1565.	4.1	11
36	EK100 and Antrodin C Improve Brain Amyloid Pathology in APP/PS1 Transgenic Mice by Promoting Microglial and Perivascular Clearance Pathways. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10413.	4.1	11

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37	Enhanced Anti-Inflammatory Activities of <i>Monascus pilosus</i> Fermented Products by Addition of Ginger to the Medium. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12006-12013.	5.2	10
38	Mutagenicity and genotoxicity effects of <i>Lignosus rhinocerotis</i> mushroom mycelium. <i>Journal of Ethnopharmacology</i> , 2013, 149, 70-74.	4.1	10
39	Intraocular pressure-lowering effect of <i>Cordyceps cicadae</i> mycelia extract in a glaucoma rat model. <i>International Journal of Medical Sciences</i> , 2021, 18, 1007-1014.	2.5	10
40	Preclinical Bioavailability, Tissue Distribution, and Protein Binding Studies of Erinacine A, a Bioactive Compound from <i>Herichium erinaceus</i> Mycelia Using Validated LC-MS/MS Method. <i>Molecules</i> , 2021, 26, 4510.	3.8	10
41	Apoptotic mechanisms of gastric cancer cells induced by isolated erinacine S through epigenetic histone H3 methylation of FasL and TRAIL. <i>Food and Function</i> , 2021, 12, 3455-3468.	4.6	9
42	<i>Herichium erinaceus</i> mycelium and its small bioactive compounds promote oligodendrocyte maturation with an increase in myelin basic protein. <i>Scientific Reports</i> , 2021, 11, 6551.	3.3	9
43	Soy-Based Multiple Amino Acid Oral Supplementation Increases the Anti-Sarcoma Effect of Cyclophosphamide. <i>Nutrients</i> , 2016, 8, 192.	4.1	8
44	Oral reproductive and developmental toxicity of <i>Lignosus rhinocerotis</i> mycelium in rat. <i>Journal of Ethnopharmacology</i> , 2017, 208, 66-71.	4.1	8
45	Thirteen-Week Oral Toxicity Evaluation of Erinacine A Enriched Lion's Mane Medicinal Mushroom, <i>Herichium erinaceus</i> (Agaricomycetes), Mycelia in Sprague-Dawley Rats. <i>International Journal of Medicinal Mushrooms</i> , 2019, 21, 401-411.	1.5	7
46	Lion's Mane Medicinal Mushroom, <i>Herichium erinaceus</i> (Agaricomycetes), Modulates Purinoceptor-Coupled Calcium Signaling and Murine Nociceptive Behavior. <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 499-507.	1.5	7
47	Characterization and safety evaluation of a <i>Deinococcus</i> member as feed additive for hens. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 76, 121-127.	2.7	6
48	Effects of <i>Deinococcus</i> spp. supplement on egg quality traits in laying hens. <i>Poultry Science</i> , 2018, 97, 319-327.	3.4	6
49	Safety assessment of HEA-enriched <i>Cordyceps cicadae</i> mycelia on the central nervous system (CNS), cardiovascular system, and respiratory system in ICR male mice. <i>Food Science and Nutrition</i> , 2021, 9, 4905-4915.	3.4	6
50	<i>Herichium erinaceus</i> mycelium ameliorate anxiety induced by continuous sleep disturbance in vivo. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 295.	2.7	6
51	A 90-day subchronic toxicity study of submerged mycelial culture of <i>Cordyceps militaris</i> in rats. <i>Toxicology Research</i> , 2018, 7, 977-986.	2.1	5
52	Neuroprotective Effects of <i>Cordyceps cicadae</i> (Ascomycetes) Mycelium Extract in the Rat Model of Optic Nerve Crush. <i>International Journal of Medicinal Mushrooms</i> , 2022, 24, 41-48.	1.5	5
53	Pilot Study: Nutritional and Preclinical Safety Investigation of Fermented Hispidin-Enriched <i>Sanghuangporus sanghuang</i> Mycelia: A Promising Functional Food Material to Improve Sleep. <i>Frontiers in Nutrition</i> , 2021, 8, 788965.	3.7	5
54	<i>Herichium erinaceus</i> enhances neurotrophic factors and prevents cochlear cell apoptosis in senescence accelerated mice. <i>Journal of Functional Foods</i> , 2020, 66, 103832.	3.4	4

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55	An Examination of <i>Lactobacillus paracasei</i> GKS6 and <i>Bifidobacterium lactis</i> GKK2 Isolated from Infant Feces in an Aged Mouse Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-9.	1.2	4
56	Oral Administration of <i>Armillaria mellea</i> Mycelia Promotes Non-Rapid Eye Movement and Rapid Eye Movement Sleep in Rats. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 371.	3.5	4
57	Styrylpyrones from <i>Phellinus linteus</i> Mycelia Alleviate Non-Alcoholic Fatty Liver by Modulating Lipid and Glucose Metabolic Homeostasis in High-Fat and High-Fructose Diet-Fed Mice. <i>Antioxidants</i> , 2022, 11, 898.	5.1	4
58	Nutritional and 13-Week Subchronic Toxicological Evaluation of <i>Lignosus rhinocerotis</i> Mycelium in Sprague-Dawley Rats. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1271.	2.6	3
59	Identification of Common Liver Metabolites of the Natural Bioactive Compound Erinacine A, Purified from <i>Herichium erinaceus</i> Mycelium. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1201.	2.5	3
60	Lowering the Intraocular Pressure in Rats and Rabbits by <i>Cordyceps cicadae</i> Extract and Its Active Compounds. <i>Molecules</i> , 2022, 27, 707.	3.8	3
61	Effects of <i>Herichium erinaceus</i> Mycelium Extracts on the Functional Activity of Purinoceptors and Neuropathic Pain in Mice with L5 Spinal Nerve Ligation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-12.	1.2	2
62	Absolute bioavailability, tissue distribution, and excretion of 2,4,5-trimethoxybenzaldehyde in rats. <i>Journal of Functional Foods</i> , 2017, 35, 90-96.	3.4	1
63	Effect of ethanol extracts of <i>Herichium erinaceus</i> mycelium on morphine-induced microglial migration. <i>Molecular Medicine Reports</i> , 2019, 20, 5279-5285.	2.4	1
64	Clinical evaluation of the short-term effects of <i>Cordyceps cicadae</i> mycelium in lowering intraocular pressure. <i>Journal of Functional Foods</i> , 2022, 95, 105177.	3.4	1