

# Wei-Jung Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

5,523  
citations

516215

16  
h-index

315357

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

14651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Design and synthesis of cationic antimicrobial peptides with improved activity and selectivity against <i>Vibrio</i> spp.. <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 130-138.	1.1	103
3	Promotion of Cell Affinity of Porous PLLA Scaffolds by Immobilization of RGD Peptides via Plasma Treatment. <i>Macromolecular Bioscience</i> , 2006, 6, 90-98.	2.1	82
4	Detection of Gliadin in Foods Using a Quartz Crystal Microbalance Biosensor That Incorporates Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6483-6492.	2.4	68
5	Influence of growth curve phase on electricity performance of microbial fuel cell by <i>Escherichia coli</i> . <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7217-7223.	3.8	57
6	Interaction of cationic antimicrobial peptides with phospholipid vesicles and their antibacterial activity. <i>Peptides</i> , 2010, 31, 1811-1820.	1.2	57
7	Application of aluminum-alloy mesh composite carbon cloth for the design of anode/cathode electrodes in <i>Escherichia coli</i> microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11131-11137.	3.8	44
8	Novel cationic antimicrobial peptide GW-H1 induced caspase-dependent apoptosis of hepatocellular carcinoma cell lines. <i>Peptides</i> , 2012, 36, 257-265.	1.2	33
9	A synthetic cationic antimicrobial peptide inhibits inflammatory response and the NLRP3 inflammasome by neutralizing LPS and ATP. <i>PLoS ONE</i> , 2017, 12, e0182057.	1.1	31
10	CISD2 serves a novel role as a suppressor of nitric oxide signalling and curcumin increases CISD2 expression in spinal cord injuries. <i>Injury</i> , 2015, 46, 2341-2350.	0.7	30
11	<i>Bacillus licheniformis</i> -Fermented Products Reduce Diarrhea Incidence and Alter the Fecal Microbiota Community in Weaning Piglets. <i>Animals</i> , 2019, 9, 1145.	1.0	30
12	Biological functions of the disulfides in bovine pancreatic deoxyribonuclease. <i>Protein Science</i> , 2004, 13, 875-883.	3.1	27
13	Influence of alanine uptake on <i>Staphylococcus aureus</i> surface charge and its susceptibility to two cationic antibacterial agents, nisin and low molecular weight chitosan. <i>Food Chemistry</i> , 2012, 135, 2397-2403.	4.2	26
14	Antimicrobial peptide GW-H1-induced apoptosis of human gastric cancer AGS cell line is enhanced by suppression of autophagy. <i>Molecular and Cellular Biochemistry</i> , 2015, 400, 77-86.	1.4	22
15	Growth Stimulating Effect on Queen Bee Larvae of Histone Deacetylase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6139-6149.	2.4	21
16	Structure and Function of Bovine Pancreatic Deoxyribonuclease I. <i>Protein and Peptide Letters</i> , 2006, 13, 447-453.	0.4	18
17	Effect of Fermented Products Produced by <i>Bacillus licheniformis</i> on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge. <i>Animals</i> , 2021, 11, 1245.	1.0	18
18	Comparative analysis of novel autoantibody isotypes against citrullinated-inter-alpha-trypsin inhibitor heavy chain 3 (ITI(H3)542-556 peptide in serum from Taiwanese females with rheumatoid arthritis, primary Sjögren's syndrome and secondary Sjögren's syndrome in rheumatoid arthritis. <i>Journal of Proteomics</i> , 2016, 141, 1-11.	1.2	17

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19	Analysis of differentially expressed novel post-translational modifications of plasma apolipoprotein E in Taiwanese females with breast cancer. <i>Journal of Proteomics</i> , 2015, 126, 252-262.	1.2	15
20	Effectiveness of <i>Bacillus licheniformis</i> -Fermented Products and Their Derived Antimicrobial Lipopeptides in Controlling Coccidiosis in Broilers. <i>Animals</i> , 2021, 11, 3576.	1.0	14
21	Probing the catalytic mechanism of bovine pancreatic deoxyribonuclease I by chemical rescue. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 689-696.	1.0	13
22	Assessment of the tumorigenesis and drug susceptibility of three new canine mammary tumor cell lines. <i>Research in Veterinary Science</i> , 2010, 88, 285-293.	0.9	10
23	2-Nitro-5-Thiosulfobenzoic Acid as a Novel Inhibitor Specific for Deoxyribonuclease I. <i>Protein Journal</i> , 2008, 27, 240-246.	0.7	9
24	Cystatin C in Cerebrospinal Fluid is Upregulated in Elderly Patients With Chronic Osteoarthritis Pain and Modulated Through Matrix Metalloproteinase 9-Specific Pathway. <i>Clinical Journal of Pain</i> , 2014, 30, 331-339.	0.8	9
25	Antibacterial and Antibiofilm Activities of Novel Antimicrobial Peptides against Multidrug-Resistant Enterotoxigenic <i>Escherichia Coli</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 3926.	1.8	9
26	Freshwater clam extract inhibits inflammatory responses in LPS-activated macrophages by reducing the activation of mitogen-activated protein kinases and NF- $\kappa$ B. <i>Natural Product Communications</i> , 2012, 7, 1435-40.	0.2	9
27	Isoelectric Focusing Management: An Investigation for Salt Interference and an Algorithm for Optimization. <i>Journal of Proteome Research</i> , 2010, 9, 5542-5556.	1.8	8
28	Isotypes of autoantibodies against differentially expressed novel malondialdehyde-modified peptide adducts in serum of Taiwanese women with rheumatoid arthritis. <i>Journal of Proteomics</i> , 2018, 170, 141-150.	1.2	7
29	Freshwater Clam Extract Inhibits Inflammatory Responses in LPS-Activated Macrophages by Reducing the Activation of Mitogen-Activated Protein Kinases and NF- $\kappa$ B. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.2	6
30	The Effect of <i>Bacillus licheniformis</i> -Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits, Milk Composition, and Fecal Microbiota in Sows. <i>Animals</i> , 2020, 10, 2044.	1.0	6
31	Comparative proteome analysis reveals proteins involved in salt adaptation in <i>Photobacterium damselae</i> subsp. <i>piscicida</i> . <i>Journal of Basic Microbiology</i> , 2016, 56, 1234-1243.	1.8	5
32	Neuroprotection by freshwater clam extract against the neurotoxin MPTP in C57BL/6 mice. <i>Neuroscience Letters</i> , 2017, 642, 51-58.	1.0	5
33	Hanatoxin inserts into phospholipid membranes without pore formation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 917-923.	1.4	3
34	Construction and characterization of a bifunctional enzyme with deoxyribonuclease I and thioredoxin-like activities. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 750-755.	1.0	2
35	Putative Secondary Active Site of Bovine Pancreatic Deoxyribonuclease I. <i>Protein and Peptide Letters</i> , 2008, 15, 640-646.	0.4	2
36	The effect of different colored light emitting diode (LED) illumination on Brown Tsaiya Duck egg laying performance, egg qualities, blood hormone levels and behavior patterns. <i>Animal Bioscience</i> , 2021, 34, 1870-1878.	0.8	2

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37	Anti-Inflammatory CDGSH Iron-Sulfur Domain 2: A Biomarker of Central Nervous System Insult in Cellular, Animal Models and Patients. <i>Biomedicines</i> , 2022, 10, 777.	1.4	1
38	Development and validation the efficacy of Bacillus-based fermented products as an antibiotics alternative in domestic animals. <i>Acta Scientiarum Polonorum Zootechnica</i> , 2022, 20, 23-34.	0.5	1
39	Freshwater Clam Extract Mitigates Neuroinflammation and Amplifies Neurotrophic Activity of Glia: Insights from In Vitro Model of Neurodegenerative Pathomechanism. <i>Journal of Clinical Medicine</i> , 2022, 11, 553.	1.0	0