

# Chao-Jung Chen

## List of Publications by Year in descending order

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98  
papers

1,973  
citations

304743

22  
h-index

315739

38  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in LC-MS/MS-based metabolomics for clinical biomarker discovery. <i>Mass Spectrometry Reviews</i> , 2023, 42, 2349-2378.	5.4	28
2	Development of a high-pH reversed-phase well plate for peptide fractionation and deep proteome analysis of cells and exosomes. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2513-2522.	3.7	1
3	Crystal structure and functional implication of bacterial STING. <i>Nature Communications</i> , 2022, 13, 26.	12.8	20
4	Rapid Identification of Methicillin-Resistant <i>Staphylococcus aureus</i> Using MALDI-TOF MS and Machine Learning from over 20,000 Clinical Isolates. <i>Microbiology Spectrum</i> , 2022, 10, e0048322.	3.0	16
5	Steroidal alkaloids from <i>Solanum erianthum</i> and their anti-breast cancer properties. <i>Phytochemistry Letters</i> , 2022, 50, 40-44.	1.2	1
6	Effects of Chinese herbal medicines on dementia risk in patients with sleep disorders in Taiwan. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113267.	4.1	14
7	Protein Biomarker Discovery for Methicillin-Sensitive, Heterogeneous Vancomycin-Intermediate and Vancomycin-Intermediate <i>Staphylococcus aureus</i> Strains Using Label-Free Data-Independent Acquisition Proteomics. <i>Journal of Proteome Research</i> , 2021, 20, 164-171.	3.7	5
8	Effects of acute heat stress on protein expression and histone modification in the adrenal gland of male layer-type country chickens. <i>Scientific Reports</i> , 2021, 11, 6499.	3.3	6
9	Discovery of Novel Protein Biomarkers in Urine for Diagnosis of Urothelial Cancer Using iTRAQ Proteomics. <i>Journal of Proteome Research</i> , 2021, 20, 2953-2963.	3.7	18
10	Chinese Herbal Medicine Usage Reduces Overall Mortality in HIV-Infected Patients With Osteoporosis or Fractures. <i>Frontiers in Pharmacology</i> , 2021, 12, 593434.	3.5	4
11	Effect of <i>Xanthium Strumarium</i> on HIV-1 5'LTR Transcriptional Activity and Viral Reactivation in Latently Infected Cells. <i>Frontiers in Pharmacology</i> , 2021, 12, 720821.	3.5	2
12	Effect of Chinese herbal medicines on the overall survival of patients with muscular dystrophies in Taiwan. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114359.	4.1	1
13	Chinese Herbal Medicine Therapy Reduces the Risks of Overall and Anemia-Related Mortalities in Patients With Aplastic Anemia: A Nationwide Retrospective Study in Taiwan. <i>Frontiers in Pharmacology</i> , 2021, 12, 730776.	3.5	7
14	Analytically validated protein biomarkers of chronic pancreatitis and pancreatic cancer for potential clinical diagnosis with mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8580.	1.5	5
15	A rapid, multiplexed kinase activity assay using 8-plex iTRAQ labeling, SPE, and MALDI-TOF/TOF MS. <i>Analyst</i> , 2020, 145, 992-1000.	3.5	2
16	Involvement of prohibitin 1 and prohibitin 2 upregulation in cBSA-induced podocyte cytotoxicity. <i>Journal of Food and Drug Analysis</i> , 2020, 28, 183-194.	1.9	2
17	Decreased overall mortality rate with Chinese herbal medicine usage in patients with decompensated liver cirrhosis in Taiwan. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 221.	2.7	7
18	Effect of Chinese Herbal Medicine Therapy on Overall and Cancer Related Mortality in Patients With Advanced Nasopharyngeal Carcinoma in Taiwan. <i>Frontiers in Pharmacology</i> , 2020, 11, 607413.	3.5	12

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19	Protective effects and network analysis of natural compounds obtained from Radix dipsaci, Eucommiae cortex, and Rhizoma drynariae against RANKL-induced osteoclastogenesis in vitro. Journal of Ethnopharmacology, 2019, 244, 112074.	4.1	14
20	Chinese herbal medicine therapy and the risk of overall mortality for patients with liver cancer who underwent surgical resection in Taiwan. Complementary Therapies in Medicine, 2019, 47, 102213.	2.7	19
21	PON-1 carbamylation is enhanced in HDL of uremia patients. Journal of Food and Drug Analysis, 2019, 27, 542-550.	1.9	11
22	<i>Albizia julibrissin</i> Ameliorates Memory Loss Induced by Insomnia in <i>Drosophila</i> . Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-7.	1.2	3
23	Network analysis and mechanisms of action of Chinese herb-related natural compounds in lung cancer cells. Phytomedicine, 2019, 58, 152893.	5.3	25
24	Effects of Chinese herbal medicine therapy on survival and hepatic outcomes in patients with hepatitis C virus infection in Taiwan. Phytomedicine, 2019, 57, 30-38.	5.3	21
25	Acute Heat Stress Changes Protein Expression in the Testes of a Broiler-Type Strain of Taiwan Country Chickens. Animal Biotechnology, 2019, 30, 129-145.	1.5	13
26	Effect of Seasonal Change on Testicular Protein Expression in White Roman Geese. Animal Biotechnology, 2019, 30, 43-56.	1.5	0
27	Identification of a proteomic biomarker associated with invasive ST1, serotype VI Group B Streptococcus by MALDI-TOF MS. Journal of Microbiology, Immunology and Infection, 2019, 52, 81-89.	3.1	18
28	Functional genomics study of acute heat stress response in the small yellow follicles of layer-type chickens. Scientific Reports, 2018, 8, 1320.	3.3	23
29	Aqueous extracts of <i>Paeonia suffruticosa</i> modulates mitochondrial proteostasis by reactive oxygen species-induced endoplasmic reticulum stress in pancreatic cancer cells. Phytomedicine, 2018, 46, 184-192.	5.3	21
30	Urinary Proteomics for the Early Diagnosis of Diabetic Nephropathy in Taiwanese Patients. Journal of Clinical Medicine, 2018, 7, 483.	2.4	28
31	Identification of Urinary Metabolite Biomarkers of Type 2 Diabetes Nephropathy Using an Untargeted Metabolomic Approach. Journal of Proteome Research, 2018, 17, 3997-4007.	3.7	36
32	Increased electronegativity of high-density lipoprotein in uremia patients impairs its functional properties and is associated with the risk of coronary artery disease. Atherosclerosis, 2018, 278, 147-155.	0.8	6
33	Ursolic Acid, a Novel Liver X Receptor $\pm$ (LXR $\pm$ ) Antagonist Inhibiting Ligand-Induced Nonalcoholic Fatty Liver and Drug-Induced Lipogenesis. Journal of Agricultural and Food Chemistry, 2018, 66, 11647-11662.	5.2	32
34	Oleanolic Acid Inhibits Liver X Receptor Alpha and Pregnane X Receptor to Attenuate Ligand-Induced Lipogenesis. Journal of Agricultural and Food Chemistry, 2018, 66, 10964-10976.	5.2	28
35	Annotation of differential protein expression in the hypothalami of layer-type Taiwan country chickens in response to acute heat stress. Journal of Thermal Biology, 2018, 77, 157-172.	2.5	4
36	Proteomic Analysis of Thermal Regulation of Small Yellow Follicles in Broiler-Type Taiwan Country Chickens. Journal of Poultry Science, 2018, 55, 120-136.	1.6	1

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37	Urine proteome analysis by C18 plateâ€“matrix-assisted laser desorption/ionization time-of-flight mass spectrometry allows noninvasive differential diagnosis and prediction of diabetic nephropathy. PLoS ONE, 2018, 13, e0200945.	2.5	15
38	Proteomic analysis of the hypothalamus of broilerâ€“type Taiwan country chickens in response to acute heat stress. Animal Science Journal, 2018, 89, 1475-1485.	1.4	5
39	Downregulation of tight junction protein zonula occludens-2 and urothelium damage in a cyclophosphamide-induced mouse model of cystitis. Taiwanese Journal of Obstetrics and Gynecology, 2018, 57, 399-406.	1.3	5
40	Application of a MALDI-TOF analysis platform (ClinProTools) for rapid and preliminary report of MRSA sequence types in Taiwan. PeerJ, 2018, 6, e5784.	2.0	38
41	Aqueous extract of Polygonum bistorta modulates proteostasis by ROS-induced ER stress in human hepatoma cells. Scientific Reports, 2017, 7, 41437.	3.3	18
42	A promising protein responsible for overactive bladder in ovariectomized mice. Taiwanese Journal of Obstetrics and Gynecology, 2017, 56, 196-203.	1.3	5
43	Urethral proteomic analysis in ovariectomized mice administered 17Î²-oestradiol replacement therapy. Journal of Obstetrics and Gynaecology, 2017, 37, 757-765.	0.9	3
44	Modulation of pregnane X receptor (PXR) and constitutive androstane receptor (CAR) activation by ursolic acid (UA) attenuates rifampin-isoniazid cytotoxicity. Phytomedicine, 2017, 36, 37-49.	5.3	23
45	Oleanolic Acid-Mediated Inhibition of Pregnane X Receptor and Constitutive Androstane Receptor Attenuates Rifampin-Isoniazid Cytotoxicity. Journal of Agricultural and Food Chemistry, 2017, 65, 8606-8616.	5.2	10
46	A Rapid Approach for Fabricating Boronic Acid-Functionalized Plates for On-Probe Detection of Glycoprotein and Glycopeptide. Mass Spectrometry, 2017, 6, S0063-S0063.	0.6	7
47	Electroacupuncture Promotes Recovery of Motor Function and Reduces Dopaminergic Neuron Degeneration in Rodent Models of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2017, 18, 1846.	4.1	38
48	The comparison of CHCA solvent compositions for improving LC-MALDI performance and its application to study the impact of aflatoxin B1 on the liver proteome of diabetes mellitus type 1 mice. PLoS ONE, 2017, 12, e0181423.	2.5	13
49	Antiviral Activity of a Novel Compound CW-33 against Japanese Encephalitis Virus through Inhibiting Intracellular Calcium Overload. International Journal of Molecular Sciences, 2016, 17, 1386.	4.1	18
50	Characterization of Secondary Metabolites from Purple Ipomoea batatas Leaves and Their Effects on Glucose Uptake. Molecules, 2016, 21, 745.	3.8	25
51	Double Filtration Plasma Apheresis Shortens Hospital Admission Duration of Patients With Severe Hypertriglyceridemia-Associated Acute Pancreatitis. Pancreas, 2016, 45, 606-612.	1.1	38
52	Diagnosis of bacterial pathogens in the dialysate of peritoneal dialysis patients with peritonitis using surface-enhanced Raman spectroscopy. Clinica Chimica Acta, 2016, 461, 69-75.	1.1	19
53	Current concepts regarding developmental mechanisms in diabetic retinopathy in Taiwan. BioMedicine		

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55	Rapid fabrication of functionalized plates for peptides, glycopeptides and protein purification and mass spectrometry analysis. <i>Analyst</i> , The, 2016, 141, 2183-2190.	3.5	12
56	Clonal dissemination of invasive and colonizing clonal complex 1 of serotype VI group B <i>Streptococcus</i> in central Taiwan. <i>Journal of Microbiology, Immunology and Infection</i> , 2016, 49, 902-909.	3.1	23
57	Quantitative phosphoproteomic analysis reveals $\beta$ -bisabolene inducing p53-mediated apoptosis of human oral squamous cell carcinoma via HDAC2 inhibition and ERK1/2 activation. <i>Proteomics</i> , 2015, 15, 3296-3309.	2.2	24
58	Anti-inflammatory and Cytotoxic Compounds from <i>Solanum macaonense</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	2
59	Mass Spectrometry-Based Proteomic Study Makes High-Density Lipoprotein a Biomarker for Atherosclerotic Vascular Disease. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	14
60	Purification of Cu/Zn Superoxide Dismutase from <i>Piper betle</i> Leaf and Its Characterization in the Oral Cavity. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2225-2232.	5.2	6
61	Proteomic analysis of urethral protein expression in an estrogen receptor $\beta$ -deficient murine model of stress urinary incontinence. <i>World Journal of Urology</i> , 2015, 33, 1635-1643.	2.2	6
62	Differential protein expression in chicken spermatozoa before and after freezing-thawing treatment. <i>Animal Reproduction Science</i> , 2015, 152, 99-107.	1.5	24
63	Anti-inflammatory and cytotoxic components from <i>Dichrocephala integrifolia</i> . <i>Phytochemistry Letters</i> , 2015, 12, 237-242.	1.2	8
64	Early prediction of severe acute pancreatitis by urinary $\beta$ -2 microglobulin/saposin B peak ratios on MALDI-TOF. <i>Clinica Chimica Acta</i> , 2015, 440, 115-122.	1.1	11
65	Allyl isothiocyanate (AITC) inhibits pregnane X receptor (PXR) and constitutive androstane receptor (CAR) activation and protects against acetaminophen- and amiodarone-induced cytotoxicity. <i>Archives of Toxicology</i> , 2015, 89, 57-72.	4.2	25
66	Urethral Dysfunction in Female Mice with Estrogen Receptor $\beta$ Deficiency. <i>PLoS ONE</i> , 2014, 9, e109058.	2.5	3
67	Three New Clerodane Diterpenes from <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Molecules</i> , 2014, 19, 2049-2060.	3.8	22
68	Functional Annotation of Proteomic Data from Chicken Heterophils and Macrophages Induced by Carbon Nanotube Exposure. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8372-8392.	4.1	6
69	Inhibition of Cytochrome P450 2C9 Expression and Activity In Vitro by Allyl Isothiocyanate. <i>Planta Medica</i> , 2014, 80, 1097-1106.	1.3	8
70	A novel titanium dioxide-polydimethylsiloxane plate for phosphopeptide enrichment and mass spectrometry analysis. <i>Analytica Chimica Acta</i> , 2014, 812, 105-113.	5.4	21
71	Anti-Inflammatory Spirostanol and Furostanol Saponins from <i>Solanum macaonense</i> . <i>Journal of Natural Products</i> , 2014, 77, 1770-1783.	3.0	20
72	Clerodane diterpenes from <i>Polyalthia longifolia</i> var. <i>pendula</i> protect SK-N-MC human neuroblastoma cells from $\beta$ -amyloid insult. <i>RSC Advances</i> , 2014, 4, 23707-23712.	3.6	13

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73	Changes in protein expression in testes of L2 strain Taiwan country chickens in response to acute heat stress. <i>Theriogenology</i> , 2014, 82, 80-94.	2.1	22
74	Association Between Periodontitis Needing Surgical Treatment and Subsequent Diabetes Risk: A Population-Based Cohort Study. <i>Journal of Periodontology</i> , 2014, 85, 779-786.	3.4	27
75	Mass spectrometry-based proteomics in Chest Medicine, Gerontology, and Nephrology: subgroups		

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91	Hepatoprotective Effect of <i>Crossostephium chinensis</i> (L.) Makino in Rats. The American Journal of Chinese Medicine, 2011, 39, 503-521.	3.8	5
92	Visual Indicator for Surfactant Abundance in MS-Based Membrane and General Proteomics Applications. Analytical Chemistry, 2010, 82, 8283-8290.	6.5	12
93	Development of a low-flow multiplexed interface for capillary electrophoresis/electrospray ion trap mass spectrometry using sequential spray. Electrophoresis, 2008, 29, 1997-2003.	2.4	13
94	Use of a fritless dual tapered column and a low flow interface for capillary electrochromatography-mass spectrometry. Journal of Chromatography A, 2007, 1159, 22-27.	3.7	20
95	Sheathless capillary electrophoresis-mass spectrometry using a pulsed electrospray ionization source. Electrophoresis, 2006, 27, 2083-2090.	2.4	16
96	Analysis of triazines by capillary electrochromatography/electrospray ionization-mass spectrometry using a low-flow sheath liquid interface. Electrophoresis, 2006, 27, 4303-4311.	2.4	28
97	Room temperature ionic liquid as a novel medium for liquid/liquid extraction of metal ions. Analytica Chimica Acta, 2003, 488, 183-192.	5.4	484
98	Effect of Chinese Herbal Medicine Therapy on Risks of Overall, Diabetes-Related, and Cardiovascular Diseases-Related Mortalities in Taiwanese Patients With Hereditary Hemolytic Anemias. Frontiers in Pharmacology, 0, 13, .	3.5	3