

# 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	Room temperature ionic liquid as a novel medium for liquid/liquid extraction of metal ions. <i>Analytica Chimica Acta</i> , 2003, 488, 183-192.	5.4	484
2	Peptide Biomarker Discovery for Identification of Methicillin-Resistant and Vancomycin-Intermediate <i>Staphylococcus aureus</i> Strains by MALDI-TOF. <i>Analytical Chemistry</i> , 2012, 84, 5685-5692.	6.5	60
3	Urinary Nucleosides as Biomarkers of Breast, Colon, Lung, and Gastric Cancer in Taiwanese. <i>PLoS ONE</i> , 2013, 8, e81701.	2.5	49
4	Tunnel Frit: A Nonmetallic In-Capillary Frit for Nanoflow Ultra High-Performance Liquid Chromatography-Mass Spectrometry Applications. <i>Analytical Chemistry</i> , 2012, 84, 297-303.	6.5	38
5	Double Filtration Plasma Apheresis Shortens Hospital Admission Duration of Patients With Severe Hypertriglyceridemia-Associated Acute Pancreatitis. <i>Pancreas</i> , 2016, 45, 606-612.	1.1	38
6	Electroacupuncture Promotes Recovery of Motor Function and Reduces Dopaminergic Neuron Degeneration in Rodent Models of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1846.	4.1	38
7	Application of a MALDI-TOF analysis platform (ClinProTools) for rapid and preliminary report of MRSA sequence types in Taiwan. <i>PeerJ</i> , 2018, 6, e5784.	2.0	38
8	Identification of Urinary Metabolite Biomarkers of Type 2 Diabetes Nephropathy Using an Untargeted Metabolomic Approach. <i>Journal of Proteome Research</i> , 2018, 17, 3997-4007.	3.7	36
9	Ursolic Acid, a Novel Liver X Receptor $1\pm$ (LXR $1\pm$ ) Antagonist Inhibiting Ligand-Induced Nonalcoholic Fatty Liver and Drug-Induced Lipogenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11647-11662.	5.2	32
10	Analysis of triazines by capillary electrochromatography/electrospray ionization-mass spectrometry using a low-flow sheath liquid interface. <i>Electrophoresis</i> , 2006, 27, 4303-4311.	2.4	28
11	Current concepts regarding developmental mechanisms in diabetic retinopathy in Taiwan. <i>BioMedicine</i>		

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19	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
20	Differential protein expression in chicken spermatozoa before and after freezing-thawing treatment. <i>Animal Reproduction Science</i> , 2015, 152, 99-107.	1.5	24
21	Anti-neutrophilic inflammatory steroidal glycosides from <i>Solanum torvum</i> . <i>Phytochemistry</i> , 2013, 95, 315-321.	2.9	23
22	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
23	Modulation of pregnane X receptor (PXR) and constitutive androstane receptor (CAR) activation by ursolic acid (UA) attenuates rifampin-isoniazid cytotoxicity. <i>Phytomedicine</i> , 2017, 36, 37-49.	5.3	23
24	Functional genomics study of acute heat stress response in the small yellow follicles of layer-type chickens. <i>Scientific Reports</i> , 2018, 8, 1320.	3.3	23
25	Three New Clerodane Diterpenes from <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Molecules</i> , 2014, 19, 2049-2060.	3.8	22
26	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
27	Oxidized ApoC1 on MALDI-TOF and glycated-ApoA1 band on gradient gel as potential diagnostic tools for atherosclerotic vascular disease. <i>Clínica Chimica Acta</i> , 2013, 420, 69-75.	1.1	21
28	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
29	Aqueous extracts of <i>Paeonia suffruticosa</i> modulates mitochondrial proteostasis by reactive oxygen species-induced endoplasmic reticulum stress in pancreatic cancer cells. <i>Phytomedicine</i> , 2018, 46, 184-192.	5.3	21
30	Effects of Chinese herbal medicine therapy on survival and hepatic outcomes in patients with hepatitis C virus infection in Taiwan. <i>Phytomedicine</i> , 2019, 57, 30-38.	5.3	21
31	Use of a fritless dual tapered column and a low flow interface for capillary electrochromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1159, 22-27.	3.7	20
32	Anti-Inflammatory Spirostanol and Furostanol Saponins from <i>Solanum macaonense</i> . <i>Journal of Natural Products</i> , 2014, 77, 1770-1783.	3.0	20
33	Crystal structure and functional implication of bacterial STING. <i>Nature Communications</i> , 2022, 13, 26.	12.8	20
34	Biochemical and Functional Characterization of Charge-Defined Subfractions of High-Density Lipoprotein From Normal Adults. <i>Analytical Chemistry</i> , 2013, 85, 11440-11448.	6.5	19
35	Diagnosis of bacterial pathogens in the dialysate of peritoneal dialysis patients with peritonitis using surface-enhanced Raman spectroscopy. <i>Clínica Chimica Acta</i> , 2016, 461, 69-75.	1.1	19
36	Chinese herbal medicine therapy and the risk of overall mortality for patients with liver cancer who underwent surgical resection in Taiwan. <i>Complementary Therapies in Medicine</i> , 2019, 47, 102213.	2.7	19

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37	Quercetin is increased in heat-processed <i>Cuscuta campestris</i> seeds, which enhances the seed's anti-inflammatory and anti-proliferative activities. <i>Process Biochemistry</i> , 2011, 46, 2248-2254.	3.7	18
38	Proteomic analysis related to stress urinary incontinence following vaginal trauma in female mice. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 171, 171-179.	1.1	18
39	Antiviral Activity of a Novel Compound CW-33 against Japanese Encephalitis Virus through Inhibiting Intracellular Calcium Overload. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1386.	4.1	18
40	Aqueous extract of <i>Polygonum bistorta</i> modulates proteostasis by ROS-induced ER stress in human hepatoma cells. <i>Scientific Reports</i> , 2017, 7, 41437.	3.3	18
41	Identification of a proteomic biomarker associated with invasive ST1, serotype VI Group B <i>Streptococcus</i> by MALDI-TOF MS. <i>Journal of Microbiology, Immunology and Infection</i> , 2019, 52, 81-89.	3.1	18
42	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
43	Indiosides Gâ€“K: Steroidal Glycosides with Cytotoxic and Anti-inflammatory Activities from <i>Solanum violaceum</i> . <i>Journal of Natural Products</i> , 2012, 75, 636-643.	3.0	17
44	Sheathless capillary electrophoresis-mass spectrometry using a pulsed electrospray ionization source. <i>Electrophoresis</i> , 2006, 27, 2083-2090.	2.4	16
45	Simple fabrication of hydrophobic surface target for increased sensitivity and homogeneity in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of peptides, phosphopeptides, carbohydrates and proteins. <i>Analytica Chimica Acta</i> , 2013, 783, 31-38.	5.4	16
46	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
47	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. <i>PLoS ONE</i> , 2018, 13, e0200945.	2.5	15
48	Mass spectrometry-based proteomics in Chest Medicine, Gerontology, and Nephrology: subgroups		

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55	Acute Heat Stress Changes Protein Expression in the Testes of a Broiler-Type Strain of Taiwan Country Chickens. <i>Animal Biotechnology</i> , 2019, 30, 129-145.	1.5	13
56	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. <i>PLoS ONE</i> , 2017, 12, e0181423.	2.5	13
57	Visual Indicator for Surfactant Abundance in MS-Based Membrane and General Proteomics Applications. <i>Analytical Chemistry</i> , 2010, 82, 8283-8290.	6.5	12
58	Rapid fabrication of functionalized plates for peptides, glycopeptides and protein purification and mass spectrometry analysis. <i>Analyst, The</i> , 2016, 141, 2183-2190.	3.5	12
59	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
60	Fast CEC-MS using poly(dimethylsiloxane) microinjector, short packed column, and low sheath flow interface. <i>Journal of Separation Science</i> , 2011, 34, 2538-2543.	2.5	11
61	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
62	PON-1 carbamylation is enhanced in HDL of uremia patients. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 542-550.	1.9	11
63	Oleanolic Acid-Mediated Inhibition of Pregnane X Receptor and Constitutive Androstane Receptor Attenuates Rifampin-Isoniazid Cytotoxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8606-8616.	5.2	10
64	Inhibition of Cytochrome P450 2C9 Expression and Activity In Vitro by Allyl Isothiocyanate. <i>Planta Medica</i> , 2014, 80, 1097-1106.	1.3	8
65	Anti-inflammatory and cytotoxic components from <i>Dichrocephala integrifolia</i> . <i>Phytochemistry Letters</i> , 2015, 12, 237-242.	1.2	8
66	A Rapid Approach for Fabricating Boronic Acid-Functionalized Plates for On-Probe Detection of Glycoprotein and Glycopeptide. <i>Mass Spectrometry</i> , 2017, 6, S0063-S0063.	0.6	7
67	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
68	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
69	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
70	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
71	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
72	Increased electronegativity of high-density lipoprotein in uremia patients impairs its functional properties and is associated with the risk of coronary artery disease. <i>Atherosclerosis</i> , 2018, 278, 147-155.	0.8	6

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73	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
74	Hepatoprotective Effect of <i>Crossostephium chinensis</i> (L.) Makino in Rats. <i>The American Journal of Chinese Medicine</i> , 2011, 39, 503-521.	3.8	5
75	Analgesic and Anti-Inflammatory Activities of the Ethanolic Extract of <i>Artemisia morrisonensis</i> Hayata in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-11.	1.2	5
76	A promising protein responsible for overactive bladder in ovariectomized mice. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2017, 56, 196-203.	1.3	5
77	Proteomic analysis of the hypothalamus of broiler-type Taiwan country chickens in response to acute heat stress. <i>Animal Science Journal</i> , 2018, 89, 1475-1485.	1.4	5
78	Downregulation of tight junction protein zonula occludens-2 and urothelium damage in a cyclophosphamide-induced mouse model of cystitis. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2018, 57, 399-406.	1.3	5
79	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
80	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
81	Conductive carbon tape as a sample platform for microwave-based MALDI MS detection of proteins and phosphoproteins. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1219-1229.	3.7	4
82	Peroxidase as the Major Protein Constituent in Areca Nut and Identification of Its Natural Substrates. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-12.	1.2	4
83	Annotation of differential protein expression in the hypothalamus of layer-type Taiwan country chickens in response to acute heat stress. <i>Journal of Thermal Biology</i> , 2018, 77, 157-172.	2.5	4
84	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
85	Urethral Dysfunction in Female Mice with Estrogen Receptor $\beta$ Deficiency. <i>PLoS ONE</i> , 2014, 9, e109058.	2.5	3
86	Urethral proteomic analysis in ovariectomized mice administered $17\beta$ -oestradiol replacement therapy. <i>Journal of Obstetrics and Gynaecology</i> , 2017, 37, 757-765.	0.9	3
87	<i>Albizia julibrissin</i> Ameliorates Memory Loss Induced by Insomnia in <i>Drosophila</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-7.	1.2	3
88	Effect of Chinese Herbal Medicine Therapy on Risks of Overall, Diabetes-Related, and Cardiovascular Diseases-Related Mortalities in Taiwanese Patients With Hereditary Hemolytic Anemias. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	3
89	Anti-inflammatory and Cytotoxic Compounds from <i>Solanum macaonense</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	2
90	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

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91	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
92	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
93	Anti-neutrophilic Inflammatory Secondary Metabolites from the Traditional Chinese Medicine, Tiankuizi. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	1
94	Proteomic Analysis of Thermal Regulation of Small Yellow Follicles in Broiler-Type Taiwan Country Chickens. <i>Journal of Poultry Science</i> , 2018, 55, 120-136.	1.6	1
95	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
96	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
97	Steroidal alkaloids from <i>Solanum erianthum</i> and their anti-breast cancer properties. <i>Phytochemistry Letters</i> , 2022, 50, 40-44.	1.2	1
98	Effect of Seasonal Change on Testicular Protein Expression in White Roman Geese. <i>Animal Biotechnology</i> , 2019, 30, 43-56.	1.5	0