

# Jue-Liang Hsu

## List of Publications by Year in descending order

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77  
papers

2,618  
citations

236833

25  
h-index

197736

49  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable-Isotope Dimethyl Labeling for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2003, 75, 6843-6852.	3.2	677
2	Beyond Quantitative Proteomics: A Signal Enhancement of the a11on as a Mass Tag for Peptide Sequencing Using Dimethyl Labeling. <i>Journal of Proteome Research</i> , 2005, 4, 101-108.	1.8	109
3	Direct transformation of aldehydes to nitriles using iodine in ammonia water. <i>Tetrahedron Letters</i> , 2001, 42, 1103-1105.	0.7	108
4	Sample preconcentration in microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 481-511.	1.0	103
5	Screening, discovery, and characterization of angiotensin-I converting enzyme inhibitory peptides derived from proteolytic hydrolysate of bitter melon seed proteins. <i>Journal of Proteomics</i> , 2015, 128, 424-435.	1.2	72
6	Stereoselective Synthesis of $\beta$ -Lactones from 5-Oxoalkanal via One-Pot Sequential Acetalization, Tishchenko Reaction, and Lactonization by Cooperative Catalysis of Samarium Ion and Mercaptan. <i>Journal of Organic Chemistry</i> , 2001, 66, 8573-8584.	1.7	69
7	A novel angiotensin converting enzyme inhibitory peptide derived from proteolytic digest of Chinese soft-shelled turtle egg white proteins. <i>Journal of Proteomics</i> , 2013, 94, 359-369.	1.2	65
8	Functional phosphoproteomic profiling of phosphorylation sites in membrane fractions of salt-stressed <i>Arabidopsis thaliana</i> . <i>Proteome Science</i> , 2009, 7, 42.	0.7	63
9	Dimethyl multiplexed labeling combined with microcolumn separation and MS analysis for time course study in proteomics. <i>Electrophoresis</i> , 2006, 27, 3652-3660.	1.3	60
10	Number of Hydroxyl Groups on the B-Ring of Flavonoids Affects Their Antioxidant Activity and Interaction with Phorbol Ester Binding Site of PKC $\beta$ C1B Domain: In Vitro and in Silico Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4580-4586.	2.4	59
11	Quantitation of protein phosphorylation in pregnant rat uteri using stable isotope dimethyl labeling coupled with IMAC. <i>Proteomics</i> , 2006, 6, 1722-1734.	1.3	52
12	Magnetic bead-based hydrophilic interaction liquid chromatography for glycopeptide enrichments. <i>Journal of Chromatography A</i> , 2012, 1224, 70-78.	1.8	51
13	Marine Organisms as Potential Sources of Bioactive Peptides that Inhibit the Activity of Angiotensin I-Converting Enzyme: A Review. <i>Molecules</i> , 2019, 24, 2541.	1.7	51
14	Dimethyl Isotope-Coded Affinity Selection for the Analysis of Free and Blocked N-Termini of Proteins Using LC-MS/MS. <i>Analytical Chemistry</i> , 2007, 79, 9520-9530.	3.2	48
15	Determination of Phenolic Compounds, Procyanidins, and Antioxidant Activity in Processed <i>Coffea arabica</i> L. Leaves. <i>Foods</i> , 2019, 8, 389.	1.9	46
16	Discovery and Study of Novel Antihypertensive Peptides Derived from <i>Cassia obtusifolia</i> Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7810-7820.	2.4	45
17	Activation of p38 MAPK by damnacanthol mediates apoptosis in SKHep 1 cells through the DR5/TRAIL and TNFR1/TNF- $\alpha$ and p53 pathways. <i>European Journal of Pharmacology</i> , 2011, 650, 120-129.	1.7	40
18	Identification of a novel umami peptide in tempeh (Indonesian fermented soybean) and its binding mechanism to the umami receptor T1R. <i>Food Chemistry</i> , 2020, 333, 127411.	4.2	40

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19	Suppression of Hepatitis B Virus X Protein-Mediated Tumorigenic Effects by Ursolic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1713-1722.	2.4	35
20	Comparative phosphoproteomic analysis of microsomal fractions of <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> subjected to high salinity. <i>Plant Science</i> , 2012, 185-186, 131-142.	1.7	33
21	Stable isotope dimethyl labelling for quantitative proteomics and beyond. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150364.	1.6	32
22	Suppression of apoptosis by pseudorabies virus Us3 protein kinase through the activation of PI3-K/Akt and NF- $\kappa$ B pathways. <i>Research in Veterinary Science</i> , 2013, 95, 764-774.	0.9	31
23	Avian reovirus S1133-induced DNA damage signaling and subsequent apoptosis in cultured cells and in chickens. <i>Archives of Virology</i> , 2011, 156, 1917-1929.	0.9	30
24	Screening of Angiotensin-I Converting Enzyme Inhibitory Peptides Derived from <i>Caulerpa lentillifera</i> . <i>Molecules</i> , 2018, 23, 3005.	1.7	30
25	IGF-1R Promotes Symmetric Self-Renewal and Migration of Alkaline Phosphatase+ Germ Stem Cells through HIF-2 $\alpha$ -OCT4/CXCR4 Loop under Hypoxia. <i>Stem Cell Reports</i> , 2018, 10, 524-537.	2.3	27
26	Isolation and Characterization of a Novel Angiotensin-Converting Enzyme-Inhibitory Tripeptide from Enzymatic Hydrolysis of Soft-Shelled Turtle ( <i>Pelodiscus sinensis</i> ) Egg White: In Vitro, In Vivo, and In Silico Study. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 12178-12185.	2.4	26
27	Gallic Acid Content in Taiwanese Teas at Different Degrees of Fermentation and Its Antioxidant Activity by Inhibiting PKC $\beta$ Activation: In Vitro and in Silico Studies. <i>Molecules</i> , 2016, 21, 1346.	1.7	25
28	Antioxidant properties of porcine liver proteins hydrolyzed using <i>Monascus purpureus</i> . <i>Food Science and Biotechnology</i> , 2017, 26, 1217-1225.	1.2	25
29	Improved N <sup>15</sup> -Acetylated Peptide Enrichment Following Dimethyl Labeling and SCX. <i>Journal of Proteome Research</i> , 2013, 12, 3277-3287.	1.8	24
30	Avian reovirus p17 and $\beta$ FA act cooperatively to downregulate Akt by suppressing mTORC2 and CDK2/cyclin A2 and upregulating proteasome PSMB6. <i>Scientific Reports</i> , 2017, 7, 5226.	1.6	24
31	Isoobtusilactone A Sensitizes Human Hepatoma Hep G2 Cells to TRAIL-Induced Apoptosis via ROS and CHOP-Mediated Up-regulation of DR5. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3533-3539.	2.4	23
32	Identification of a potent Angiotensin-I converting enzyme inhibitory peptide from Black cumin seed hydrolysate using orthogonal bioassay-guided fractionations coupled with in silico screening. <i>Process Biochemistry</i> , 2020, 95, 204-213.	1.8	22
33	Nucleophosmin in the pathogenesis of arsenic-related bladder carcinogenesis revealed by quantitative proteomics. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 126-135.	1.3	21
34	Proteomic Study Reveals a Co-occurrence of Gallic Acid-Induced Apoptosis and Glycolysis in B16F10 Melanoma Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11672-11680.	2.4	21
35	Enhanced $\alpha$ 1 Fragmentation for Dimethylated Proteins and Its Applications for N-Terminal Identification and Comparative Protein Quantitation. <i>Journal of Proteome Research</i> , 2007, 6, 2376-2383.	1.8	20
36	Fluorescein as a Versatile Tag for Enhanced Selectivity in Analyzing Cysteine-Containing Proteins/Peptides Using Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 5251-5259.	3.2	19

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37	Ultrasonication of Milky Stage Rice Milk with Bioactive Peptides from Rice Bran: Its Bioactivities and Absorption. <i>Food and Bioprocess Technology</i> , 2020, 13, 462-474.	2.6	19
38	Characteristics of Food Protein-Derived Antidiabetic Bioactive Peptides: A Literature Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9508.	1.8	19
39	Photopolymerized microtips for sample preparation in proteomic analysis. <i>Electrophoresis</i> , 2004, 25, 3840-3847.	1.3	18
40	Screening of angiotensin-I converting enzyme inhibitory peptides derived from soft-shelled turtle yolk using two orthogonal bioassay-guided fractionations. <i>Journal of Functional Foods</i> , 2017, 28, 36-47.	1.6	18
41	Cooperative Catalysis of Samarium Diodide and Mercaptan in a Stereoselective One-Pot Transformation of 5-Oxopentanal into $\gamma$ -Lactones. <i>Organic Letters</i> , 1999, 1, 1989-1991.	2.4	17
42	A panel of tumor markers, calreticulin, annexin A2, and annexin A3 in upper tract urothelial carcinoma identified by proteomic and immunological analysis. <i>BMC Cancer</i> , 2014, 14, 363.	1.1	17
43	An integrated microfluidic system for the determination of microalbuminuria by measuring the albumin-to-creatinine ratio. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1055-1067.	1.0	16
44	Screening and profiling stilbene-type natural products with angiotensin-converting enzyme inhibitory activity from <i>Ampelopsis brevipedunculata</i> var. <i>hancei</i> (Planch.) Rehder. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 108, 70-77.	1.4	15
45	Characterization of Novel Dipeptidyl Peptidase-IV Inhibitory Peptides from Soft-Shelled Turtle Yolk Hydrolysate Using Orthogonal Bioassay-Guided Fractionations Coupled with In Vitro and In Silico Study. <i>Pharmaceuticals</i> , 2020, 13, 308.	1.7	15
46	Purification and characterization of trypsin from the pyloric ceca of orange-spotted grouper, <i>Epinephelus coioides</i> . <i>Fish Physiology and Biochemistry</i> , 2012, 38, 837-848.	0.9	14
47	Recombinant production of biologically active giant grouper ( <i>Epinephelus lanceolatus</i> ) growth hormone from inclusion bodies of <i>Escherichia coli</i> by fed-batch culture. <i>Protein Expression and Purification</i> , 2015, 110, 79-88.	0.6	14
48	Anti-Inflammatory Effects of Vitisinol A and Four Other Oligostilbenes from <i>Ampelopsis brevipedunculata</i> var. <i>Hancei</i> . <i>Molecules</i> , 2017, 22, 1195.	1.7	14
49	Samarium diiodide-mediated asymmetric reactions of 8-phenylmenthyl esters. <i>Tetrahedron Letters</i> , 2000, 41, 4633-4636.	0.7	13
50	ACE Inhibitory Activity and Molecular Docking of Gac Seed Protein Hydrolysate Purified by HILIC and RP-HPLC. <i>Molecules</i> , 2020, 25, 4635.	1.7	13
51	Insight on Photocatalytic and Photoinduced Antimicrobial Properties of ZnO Thin Films Deposited by HiPIMS through Thermal Oxidation. <i>Nanomaterials</i> , 2022, 12, 463.	1.9	13
52	Identification of low-abundance proteins via fractionation of the urine proteome with weak anion exchange chromatography. <i>Proteome Science</i> , 2011, 9, 17.	0.7	12
53	Anti-hypertensive effects of <i>Radix Rehmanniae</i> and its active ingredients. <i>Natural Product Research</i> , 2020, 34, 1547-1552.	1.0	12
54	Ursolic Acid Suppresses Hepatitis B Virus X Protein-mediated Autophagy and Chemotherapeutic Drug Resistance. <i>Anticancer Research</i> , 2016, 36, 5097-5108.	0.5	12

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55	Mapping <i>N</i> -terminus phosphorylation sites and quantitation by stable isotope dimethyl labeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 460-471.	1.2	11
56	Apoptosis induction in BEFV-infected Vero and MDBK cells through Src-dependent JNK activation regulates caspase-3 and mitochondria pathways. <i>Veterinary Research</i> , 2010, 41, 15.	1.1	11
57	An exploration of angiotensin-converting enzyme (ACE) inhibitory peptides derived from gastrointestinal protease hydrolysate of milk using a modified bioassay-guided fractionation approach coupled with in silico analysis. <i>Journal of Dairy Science</i> , 2022, 105, 1913-1928.	1.4	10
58	Direct Oxidative Amidation of Aldoses by Iodine in Ammonia Water. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 129-133.	0.8	9
59	Analysis of the immune response of human dendritic cells to <i>Mycobacterium tuberculosis</i> by quantitative proteomics. <i>Proteome Science</i> , 2016, 14, 5.	0.7	9
60	Bioactive Peptides: An Understanding from Current Screening Methodology. <i>Processes</i> , 2022, 10, 1114.	1.3	9
61	A convenient method to extract matrix-assisted laser desorption/ionization mass spectrometry spectra from phosphate-containing peptide mixtures. <i>Proteomics</i> , 2004, 4, 1935-1938.	1.3	8
62	Development and validation of mass spectrometry-based method for detecting shrimp allergen tropomyosin. <i>LWT - Food Science and Technology</i> , 2021, 152, 112367.	2.5	7
63	Preparation of Chiral Phosphorus(V) Reagents and Their Uses with Borane in the Enantioselective Reduction of Ketones. <i>Journal of the Chinese Chemical Society</i> , 1999, 46, 797-810.	0.8	6
64	Cucurbitane Triterpenoids from the Fruit Pulp of <i>Momordica charantia</i> and Their Cytotoxic Activity. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 526-530.	0.8	6
65	Two-step Immobilized Metal Affinity Chromatography (IMAC) for Phosphoproteomics Using Mass Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 765-772.	0.8	5
66	Sterols from the Stems of <i>Momordica charantia</i> . <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 893-898.	0.8	5
67	Simple and Specific Dual-Wavelength Excitable Dye Staining for Glycoprotein Detection in Polyacrylamide Gels and Its Application in Glycoproteomics. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8.	3.0	5
68	Potentiation of Acute Promyelocytic Leukemia Cell Differentiation and Prevention of Leukemia Development in Mice by Oleanolic Acid. <i>Anticancer Research</i> , 2015, 35, 6583-90.	0.5	5
69	The Antimicrobial Activities of Phenylbutyrates against <i>Helicobacter pylori</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 604-610.	0.6	4
70	A Study on the Characteristic and Antibacterial Activity of Ti3Ox Thin Films. <i>Catalysts</i> , 2021, 11, 1416.	1.6	4
71	Recent Progress in Quantitative Proteomics Using Stable Isotope Labeling, Multidimensional Liquid Chromatography and Mass Spectrometry. <i>Current Proteomics</i> , 2005, 2, 287-302.	0.1	2
72	Data in support of optimized production of angiotensin-I converting enzyme inhibitory peptides derived from proteolytic hydrolysate of bitter melon seed proteins. <i>Data in Brief</i> , 2015, 5, 403-407.	0.5	2

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73	The Effect of Hot Water Extract of Tilapia on Exercise Capacity in Mice. Applied Sciences (Switzerland), 2022, 12, 2601.	1.3	2
74	Antioxidant Activity from the Enzymatic Hydrolysates of <i>Chlorella sorokiniana</i> and Its Potential Peptides Identification in Combination with Molecular Docking Analysis. Turkish Journal of Fisheries and Aquatic Sciences, 2021, 22, .	0.4	1
75	LC-MS Quantification of Site-Specific Phosphorylation Degree by Stable-Isotope Dimethyl Labeling Coupled with Phosphatase Dephosphorylation. Molecules, 2020, 25, 5316.	1.7	0
76	An innovative cell model revealed the inhibitory effect of flavanone structure on peroxynitrite production through interaction with the IKK $\beta$ kinase domain at ATP binding site. Food Science and Nutrition, 2020, 8, 2904-2912.	1.5	0
77	Mechanistic Insights into the Inhibitory Activities of Chemical Constituents from the Fruits of <i>Terminalia boivinii</i> on $\alpha$ -Glucosidase. Chemistry and Biodiversity, 2022, 19, .	1.0	0