

Jue-Liang Hsu

List of Publications by Year in descending order

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77
papers

2,618
citations

236925

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197818

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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.	6.5	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.	3.7	109
3	Direct transformation of aldehydes to nitriles using iodine in ammonia water. <i>Tetrahedron Letters</i> , 2001, 42, 1103-1105.	1.4	108
4	Sample preconcentration in microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 481-511.	2.2	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.	2.4	72
6	Stereoselective Synthesis of β -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.	3.2	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.	2.4	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.	1.7	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.	2.4	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 β C1B Domain: In Vitro and in Silico Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4580-4586.	5.2	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.	2.2	52
12	Magnetic bead-based hydrophilic interaction liquid chromatography for glycopeptide enrichments. <i>Journal of Chromatography A</i> , 2012, 1224, 70-78.	3.7	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.	3.8	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.	6.5	48
15	Determination of Phenolic Compounds, Procyanidins, and Antioxidant Activity in Processed <i>Coffea arabica</i> L. Leaves. <i>Foods</i> , 2019, 8, 389.	4.3	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.	5.2	45
17	Activation of p38 MAPK by damnacanthol mediates apoptosis in SKHep 1 cells through the DR5/TRAIL and TNFR1/TNF- α and p53 pathways. <i>European Journal of Pharmacology</i> , 2011, 650, 120-129.	3.5	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.	8.2	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.	5.2	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.	3.6	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.	3.4	32
22	Suppression of apoptosis by pseudorabies virus Us3 protein kinase through the activation of PI3-K/Akt and NF- κ B pathways. <i>Research in Veterinary Science</i> , 2013, 95, 764-774.	1.9	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.	2.1	30
24	Screening of Angiotensin-I Converting Enzyme Inhibitory Peptides Derived from <i>Caulerpa lentillifera</i> . <i>Molecules</i> , 2018, 23, 3005.	3.8	30
25	IGF-1R Promotes Symmetric Self-Renewal and Migration of Alkaline Phosphatase+ Germ Stem Cells through HIF-2 α -OCT4/CXCR4 Loop under Hypoxia. <i>Stem Cell Reports</i> , 2018, 10, 524-537.	4.8	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.	5.2	26
27	Gallic Acid Content in Taiwanese Teas at Different Degrees of Fermentation and Its Antioxidant Activity by Inhibiting PKC α Activation: In Vitro and in Silico Studies. <i>Molecules</i> , 2016, 21, 1346.	3.8	25
28	Antioxidant properties of porcine liver proteins hydrolyzed using <i>Monascus purpureus</i> . <i>Food Science and Biotechnology</i> , 2017, 26, 1217-1225.	2.6	25
29	Improved N ¹⁵ -Acetylated Peptide Enrichment Following Dimethyl Labeling and SCX. <i>Journal of Proteome Research</i> , 2013, 12, 3277-3287.	3.7	24
30	Avian reovirus p17 and β A act cooperatively to downregulate Akt by suppressing mTORC2 and CDK2/cyclin A2 and upregulating proteasome PSMB6. <i>Scientific Reports</i> , 2017, 7, 5226.	3.3	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.	5.2	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.	3.7	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.	2.8	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.	5.2	21
35	Enhanced α 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.	3.7	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.	6.5	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.	4.7	19
38	Characteristics of Food Protein-Derived Antidiabetic Bioactive Peptides: A Literature Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9508.	4.1	19
39	Photopolymerized microtips for sample preparation in proteomic analysis. <i>Electrophoresis</i> , 2004, 25, 3840-3847.	2.4	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.	3.4	18
41	Cooperative Catalysis of Samarium Diiodide and Mercaptan in a Stereoselective One-Pot Transformation of 5-Oxopentanal into γ -Lactones. <i>Organic Letters</i> , 1999, 1, 1989-1991.	4.6	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.	2.6	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.	2.2	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.	2.8	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.	3.8	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.	2.3	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.	1.3	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.	3.8	14
49	Samarium diiodide-mediated asymmetric reactions of 8-phenylmenthyl esters. <i>Tetrahedron Letters</i> , 2000, 41, 4633-4636.	1.4	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.	3.8	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.	4.1	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.	1.7	12
53	Anti-hypertensive effects of <i>Radix Rehmanniae</i> and its active ingredients. <i>Natural Product Research</i> , 2020, 34, 1547-1552.	1.8	12
54	Ursolic Acid Suppresses Hepatitis B Virus X Protein-mediated Autophagy and Chemotherapeutic Drug Resistance. <i>Anticancer Research</i> , 2016, 36, 5097-5108.	1.1	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.	2.8	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.	3.0	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.	3.4	10
58	Direct Oxidative Amidation of Aldoses by Iodine in Ammonia Water. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 129-133.	1.4	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.	1.7	9
60	Bioactive Peptides: An Understanding from Current Screening Methodology. <i>Processes</i> , 2022, 10, 1114.	2.8	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.	2.2	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.	5.2	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.	1.4	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.	1.4	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.	1.4	5
66	Sterols from the Stems of <i>Momordica charantia</i> . <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 893-898.	1.4	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	Potential of Acute Promyelocytic Leukemia Cell Differentiation and Prevention of Leukemia Development in Mice by Oleanolic Acid. <i>Anticancer Research</i> , 2015, 35, 6583-90.	1.1	5
69	The Antimicrobial Activities of Phenylbutyrates against <i>Helicobacter pylori</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 604-610.	1.3	4
70	A Study on the Characteristic and Antibacterial Activity of Ti ₃ O _x Thin Films. <i>Catalysts</i> , 2021, 11, 1416.	3.5	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.	0.3	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.	1.0	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.	2.5	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, .	0.9	1
75	LC-MS Quantification of Site-Specific Phosphorylation Degree by Stable-Isotope Dimethyl Labeling Coupled with Phosphatase Dephosphorylation. Molecules, 2020, 25, 5316.	3.8	0
76	An innovative cell model revealed the inhibitory effect of flavanone structure on peroxynitrite production through interaction with the IKK β kinase domain at ATP binding site. Food Science and Nutrition, 2020, 8, 2904-2912.	3.4	0
77	Mechanistic Insights into the Inhibitory Activities of Chemical Constituents from the Fruits of <i>Terminalia boivinii</i> on α -Glucosidase. Chemistry and Biodiversity, 2022, 19, .	2.1	0