

Jianghao Sun

List of Publications by Year in descending order

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74
papers

3,272
citations

147801

31
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155660

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74
all docs

74
docs citations

74
times ranked

4715
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling of Polyphenols and Glucosinolates in Kale and Broccoli Microgreens Grown under Chamber and Windowsill Conditions by Ultrahigh-Performance Liquid Chromatography High-Resolution Mass Spectrometry. <i>ACS Food Science & Technology</i> , 2022, 2, 101-113.	2.7	18
2	Contrast Study on Secondary Metabolite Profile between Pastas Made from Three Single Varietal Common Bean (<i>Phaseolus vulgaris</i> L.) and Durum Wheat (<i>Triticum durum</i>). <i>ACS Food Science & Technology</i> , 2022, 2, 895-904.	2.7	2
3	Soluble Free, Soluble Conjugated, and Insoluble Bound Phenolics in Tomato Seeds and Their Radical Scavenging and Antiproliferative Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 9039-9047.	5.2	6
4	Chemical analysis and classification of black pepper (<i>Piper nigrum</i> L.) based on their country of origin using mass spectrometric methods and chemometrics. <i>Food Research International</i> , 2021, 140, 109877.	6.2	17
5	Chemical Composition of Tomato Seed Flours, and Their Radical Scavenging, Anti-Inflammatory and Gut Microbiota Modulating Properties. <i>Molecules</i> , 2021, 26, 1478.	3.8	15
6	Classification of structural characteristics facilitate identifying steroidal saponins in Alliums using ultra-high performance liquid chromatography high-resolution mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2021, 102, 103994.	3.9	5
7	Identification of marker compounds for predicting browning of fresh-cut lettuce using untargeted UHPLC-HRMS metabolomics. <i>Postharvest Biology and Technology</i> , 2021, 180, 111626.	6.0	13
8	Profiling glucosinolate metabolites in human urine and plasma after broccoli consumption using non-targeted and targeted metabolomic analyses. <i>Food Chemistry</i> , 2020, 309, 125660.	8.2	23
9	Study on Human Urinary Metabolic Profiles after Consumption of Kale and Daikon Radish using a High-resolution Mass Spectrometry-Based Non-targeted and Targeted Metabolomic Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14307-14318.	5.2	2
10	Effect of nighttime UV-C irradiation of strawberry plants on phenolic content of fruit: Targeted and non-targeted metabolomic analysis. <i>Journal of Berry Research</i> , 2020, 10, 365-380.	1.4	8
11	Characterization of Maca (<i>Lepidium meyenii</i> /Lepidium peruvianum) Using a Mass Spectral Fingerprinting, Metabolomic Analysis, and Genetic Sequencing Approach. <i>Planta Medica</i> , 2020, 86, 674-685.	1.3	9
12	A systematic approach to determine the impact of elevated CO ₂ levels on the chemical composition of wheat (<i>Triticum aestivum</i>). <i>Journal of Cereal Science</i> , 2020, 95, 103020.	3.7	4
13	Chemical composition of cold-pressed blackberry seed flour extract and its potential health-beneficial properties. <i>Food Science and Nutrition</i> , 2020, 8, 1215-1225.	3.4	12
14	Anthocyanins in processed red raspberries on the US market ^{1,2} . <i>Journal of Berry Research</i> , 2019, 9, 603-613.	1.4	7
15	Authentication of black cohosh (<i>Actaea racemosa</i>) dietary supplements based on chemometric evaluation of hydroxycinnamic acid esters and hydroxycinnamic acid amides. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7147-7156.	3.7	7
16	Assignment of ¹ H and ¹³ C NMR data for iridoid glycoside derivatives. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, S117-S122.	1.9	0
17	Chemical profile and in vitro gut microbiota modulatory, anti-inflammatory and free radical scavenging properties of chrysanthemum morifolium cv. Fubaiju. <i>Journal of Functional Foods</i> , 2019, 58, 114-122.	3.4	20
18	The chemical composition of a cold-pressed milk thistle seed flour extract, and its potential health beneficial properties. <i>Food and Function</i> , 2019, 10, 2461-2470.	4.6	15

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19	Chemical compositions of chrysanthemum teas and their anti-inflammatory and antioxidant properties. <i>Food Chemistry</i> , 2019, 286, 8-16.	8.2	103
20	Quantification of Total Glucosinolates and Isothiocyanates for Common Brassicaceous Vegetables Consumed in the US Market Using Cyclocondensation and Thiocyanate Ion Measurement Methods. <i>Journal of Analysis and Testing</i> , 2019, 3, 313-321.	5.1	7
21	Microgreens of Brassicaceae: Genetic diversity of phytochemical concentrations and antioxidant capacity. <i>LWT - Food Science and Technology</i> , 2019, 101, 731-737.	5.2	77
22	The analysis of phenolic compounds in daylily using UHPLC-HRMS and evaluation of drying processing method by fingerprinting and metabolomic approaches. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13325.	2.0	16
23	Determination of Variance of Secondary Metabolites in Lettuces Grown Under Different Light Sources by Flow Injection Mass Spectrometric (FIMS) Fingerprinting and ANOVA-PCA. <i>Journal of Analysis and Testing</i> , 2018, 2, 312-321.	5.1	8
24	Chemical Compositions of Cold-Pressed Broccoli, Carrot, and Cucumber Seed Flours and Their in Vitro Gut Microbiota Modulatory, Anti-inflammatory, and Free Radical Scavenging Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9309-9317.	5.2	21
25	A computational tool for accelerated analysis of oligomeric proanthocyanidins in plants. <i>Journal of Food Composition and Analysis</i> , 2017, 56, 124-133.	3.9	9
26	Composition of phenolic compounds in wild apple with multiple resistance mechanisms against postharvest blue mold decay. <i>Postharvest Biology and Technology</i> , 2017, 127, 68-75.	6.0	41
27	Feruloyl dopamine-O-hexosides are efficient marker compounds as orthogonal validation for authentication of black cohosh (<i>Actaea racemosa</i>) an UHPLC-HRAM-MS chemometrics study. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2591-2600.	3.7	16
28	Study the effects of drying processes on chemical compositions in daylily flowers using flow injection mass spectrometric fingerprinting method and chemometrics. <i>Food Research International</i> , 2017, 102, 493-503.	6.2	19
29	Botanical supplements: Detecting the transition from ingredient to product. <i>Journal of Food Composition and Analysis</i> , 2017, 64, 85-92.	3.9	8
30	Challenges of developing a valid dietary glucosinolate database. <i>Journal of Food Composition and Analysis</i> , 2017, 64, 78-84.	3.9	20
31	Development of a Comprehensive Flavonoid Analysis Computational Tool for Ultrahigh-Performance Liquid Chromatography-Diode Array Detection-High-Resolution Accurate Mass-Mass Spectrometry Data. <i>Analytical Chemistry</i> , 2017, 89, 7388-7397.	6.5	22
32	Profiling hydroxycinnamic acid glycosides, iridoid glycosides, and phenylethanoid glycosides in baobab fruit pulp (<i>Adansonia digitata</i>). <i>Food Research International</i> , 2017, 99, 755-761.	6.2	42
33	Application of a computer-assisted structure elucidation program for the structural determination of a new terpenoid aldehyde with an unusual skeleton. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 210-213.	1.9	8
34	GLS-Finder: A Platform for Fast Profiling of Glucosinolates in <i>Brassica</i> Vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4407-4415.	5.2	27
35	Comparison of Flow Injection MS, NMR, and DNA Sequencing: Methods for Identification and Authentication of Black Cohosh (<i>Actaea racemosa</i>). <i>Planta Medica</i> , 2016, 82, 250-262.	1.3	32
36	Comprehensive characterization of C-glycosyl flavones in wheat (<i>Triticum aestivum</i> L.) germ using UPLC-PDA-ESI/HRMS and mass defect filtering. <i>Journal of Mass Spectrometry</i> , 2016, 51, 914-930.	1.6	80

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37	Red Cabbage Microgreens Lower Circulating Low-Density Lipoprotein (LDL), Liver Cholesterol, and Inflammatory Cytokines in Mice Fed a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9161-9171.	5.2	76
38	Myrosinase-dependent and -independent formation and control of isothiocyanate products of glucosinolate hydrolysis. <i>Frontiers in Plant Science</i> , 2015, 6, 831.	3.6	90
39	Use of flow injection mass spectrometric fingerprinting and chemometrics for differentiation of three black cohosh species. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 105, 121-129.	2.9	16
40	Metabolomic Assessment Reveals an Elevated Level of Glucosinolate Content in CaCl ₂ Treated Broccoli Microgreens. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1863-1868.	5.2	57
41	Characterization and profiling of phenolic amides from Cortex Lycii by ultra-high performance liquid chromatography coupled with LTQ-Orbitrap mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 581-595.	3.7	40
42	FlavonQ: An Automated Data Processing Tool for Profiling Flavone and Flavonol Glycosides with Ultra-High-Performance Liquid Chromatography-Diode Array Detection-High Resolution Accurate Mass-Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9974-9981.	6.5	26
43	A high fat, high cholesterol diet leads to changes in metabolite patterns in pigs - A metabolomic study. <i>Food Chemistry</i> , 2015, 173, 171-178.	8.2	15
44	Changes in the Intestinal Microbiota and Host Inflammatory Gene Expression in Pigs Fed a Flavanol-Enriched Cocoa Powder. <i>FASEB Journal</i> , 2015, 29, 914.4.	0.5	0
45	Effect of calcium on strawberry fruit flavonoid pathway gene expression and anthocyanin accumulation. <i>Plant Physiology and Biochemistry</i> , 2014, 82, 289-298.	5.8	99
46	Profiling polyphenols of two diploid strawberry (<i>Fragaria vesca</i>) inbred lines using UHPLC-HRMSn. <i>Food Chemistry</i> , 2014, 146, 289-298.	8.2	96
47	Profiling of Glucosinolates and Flavonoids in <i>Rorippa indica</i> (Linn.) Hiern. (Cruciferae) by UHPLC-PDA-ESI/HRMS. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6118-6129.	5.2	39
48	UHPLC-PDA-ESI/HRMS Profiling Method To Identify and Quantify Oligomeric Proanthocyanidins in Plant Products. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9387-9400.	5.2	125
49	Differentiation of the Four Major Species of Cinnamons (<i>C. burmannii</i> , <i>C. verum</i> , <i>C. Tj</i> ETQq1 1 0.784314 rgBT /Over Method. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2516-2521.	5.2	77
50	Profiling cocoa-derived flavanols and their metabolites in serum, urine, liver, and intestinal contents of pigs fed flavanol-enriched cocoa powder (LB420). <i>FASEB Journal</i> , 2014, 28, .	0.5	0
51	Encapsulation of indole-3-carbinol and 3,3-diindolylmethane in zein/carboxymethyl chitosan nanoparticles with controlled release property and improved stability. <i>Food Chemistry</i> , 2013, 139, 224-230.	8.2	195
52	Profiling Polyphenols in Five Brassica Species Microgreens by UHPLC-PDA-ESI/HRMS. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10960-10970.	5.2	130
53	Ultra High-Performance Liquid Chromatography with High-Resolution Mass Spectrometry Analysis of African Mango (<i>Irvingia gabonensis</i>) Seeds, Extract, and Related Dietary Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8703-8709.	5.2	38
54	Analysis of multiplex endogenous estrogen metabolites in human urine using ultra-fast liquid chromatography-tandem mass spectrometry: A case study for breast cancer. <i>Analytica Chimica Acta</i> , 2012, 711, 60-68.	5.4	42

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55	Study of the mass spectrometric behaviors of anthocyanins in negative ionization mode and its applications for characterization of anthocyanins and nonanthocyanin polyphenols. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1123-1133.	1.5	68
56	Chromatographic fingerprint analysis of yohimbe bark and related dietary supplements using UHPLC/UV/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 142-149.	2.8	33
57	Time-Course Changes in Potential Biomarkers Detected Using a Metabonomic Approach in Walker 256 Tumor-Bearing Rats. <i>Journal of Proteome Research</i> , 2011, 10, 1953-1961.	3.7	26
58	LC-PDA-ESI/MS Identification of New Anthocyanins in Purple Bordeaux Radish (<i>Raphanus sativus</i> L. Variety). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6616-6627.	5.2	29
59	UHPLC-PDA-ESI/HRMS/MS Analysis of Anthocyanins, Flavonol Glycosides, and Hydroxycinnamic Acid Derivatives in Red Mustard Greens (<i>Brassica juncea</i> Coss Variety). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12059-12072.	5.2	121
60	A Non-targeted Approach to Chemical Discrimination Between Green Tea Dietary Supplements and Green Tea Leaves by HPLC/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 487-497.	1.5	18
61	Differentiation of <i>Panax quinquefolius</i> grown in the USA and China using LC/MS-based chromatographic fingerprinting and chemometric approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1877-1889.	3.7	48
62	A flow-injection mass spectrometry fingerprinting method for authentication and quality assessment of <i>Scutellaria lateriflora</i> -based dietary supplements. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1577-1584.	3.7	30
63	Profiling the indole alkaloids in yohimbe bark with ultra-performance liquid chromatography coupled with ion mobility quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2591-2602.	1.5	31
64	A non-targeted approach to chemical discrimination between green tea dietary supplements and green tea leaves by HPLC/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 487-97.	1.5	6
65	Liquid chromatography-tandem mass spectrometry analysis of metabolites in rats after administration of prenylflavonoids from <i>Epimediums</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1113-1124.	2.3	53
66	Integrated Ionization Approach for RRLC-MS/MS-based Metabonomics: Finding Potential Biomarkers for Lung Cancer. <i>Journal of Proteome Research</i> , 2010, 9, 4071-4081.	3.7	97
67	Phytochemical analysis of traditional Chinese medicine using liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 2045-2062.	3.7	185
68	RRLC-MS/MS-based metabonomics combined with in-depth analysis of metabolic correlation network: finding potential biomarkers for breast cancer. <i>Analyst</i> , 2009, 134, 2003.	3.5	160
69	Chromatographic fingerprint analysis and characterization of furocoumarins in the roots of <i>Angelica dahurica</i> by HPLC/DAD/ESI-MSn technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 778-785.	2.8	101
70	HPLC method for the determination and pharmacokinetic studies of four triterpenoids in rat plasma after oral administration of <i>Ganoderma lucidum</i> extract. <i>Biomedical Chromatography</i> , 2007, 21, 389-396.	1.7	23
71	Analysis of triterpenoids in <i>Ganoderma lucidum</i> using liquid chromatography coupled with electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 927-939.	2.8	126
72	Characterization of flavonoids in the traditional Chinese herbal medicine-Huangqin by liquid chromatography coupled with electrospray ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 848, 355-362.	2.3	148

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73	Liquid chromatography-tandem mass spectrometry analysis of protocatechuic aldehyde and its phase I and II metabolites in rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 856, 100-107.	2.3	44
74	Identification and determination of major flavonoids in rat serum by HPLC-UV and HPLC-MS methods following oral administration of <i>Dalbergia odorifera</i> extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 829, 35-44.	2.3	25