

Jiayu Zhang

List of Publications by Year in descending order

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54
papers

784
citations

471509

17
h-index

610901

24
g-index

54
all docs

54
docs citations

54
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling and identification of the metabolites of baicalin and study on their tissue distribution in rats by ultra-high-performance liquid chromatography with linear ion trap-Orbitrap mass spectrometer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 985, 91-102.	2.3	71
2	Profiling and comparison of the metabolites of diosmetin and diosmin in rat urine, plasma and feces using UHPLC-LTQ-Orbitrap MSn. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 58-71.	2.3	37
3	Chrysin induces autophagy-dependent ferroptosis to increase chemosensitivity to gemcitabine by targeting CBR1 in pancreatic cancer cells. <i>Biochemical Pharmacology</i> , 2021, 193, 114813.	4.4	35
4	An integrated strategy for rapid discovery and identification of the sequential piperine metabolites in rats using ultra high-performance liquid chromatography/high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 387-401.	2.8	32
5	HPLC-LTQ-orbitrap MS ⁿ profiling method to comprehensively characterize multiple chemical constituents in xiao-er-qing-jie granules. <i>Analytical Methods</i> , 2015, 7, 7511-7526.	2.7	29
6	Profiling and identification of (âˆ’)â€picatechin metabolites in rats using ultraâ€high performance liquid chromatography coupled with linear trapâ€Orbitrap mass spectrometer. <i>Drug Testing and Analysis</i> , 2017, 9, 1224-1235.	2.6	28
7	Rapid Screening and Identification of Daidzein Metabolites in Rats Based on UHPLC-LTQ-Orbitrap Mass Spectrometry Coupled with Data-Mining Technologies. <i>Molecules</i> , 2018, 23, 151.	3.8	28
8	Rapid profiling and identification of puerarin metabolites in rat urine and plasma after oral administration by UHPLC-LTQ-Orbitrap mass spectrometer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1068-1069, 180-192.	2.3	27
9	Metabolomics data fusion between near infrared spectroscopy and high-resolution mass spectrometry: A synergetic approach to boost performance or induce confusion. <i>Talanta</i> , 2018, 189, 641-648.	5.5	26
10	Rapid characterization of chlorogenic acids in <i>Duhaldea nervosa</i> based on ultraâ€highâ€performance liquid chromatographyâ€linear trap quadropoleâ€Orbitrapâ€mass spectrometry and mass spectral trees similarity filter technique. <i>Journal of Separation Science</i> , 2018, 41, 1764-1774.	2.5	25
11	Identification of metabolites of gardenin A in rats by combination of highâ€performance liquid chromatography with linear ion trapâ€Orbitrap mass spectrometer based on multiple data processing techniques. <i>Biomedical Chromatography</i> , 2015, 29, 379-387.	1.7	24
12	Triterpene saponins from the roots of <i>Ilex pubescens</i> . <i>FÃ-toterapÃ-Ãç</i> , 2014, 97, 98-104.	2.2	21
13	LTQ-Orbitrap-based strategy for traditional Chinese medicine targeted class discovery, identification and herbomics research: a case study on phenylethanoid glycosides in three different species of <i>Herba Cistanches</i> . <i>RSC Advances</i> , 2015, 5, 80816-80828.	3.6	21
14	Metabolism study of hesperetin and hesperidin in rats by UHPLC-LTQ-Orbitrap MSn. <i>Xenobiotica</i> , 2020, 50, 1311-1322.	1.1	21
15	Simultaneous Qualitation and Quantitation of Chlorogenic Acids in Kuding Tea Using Ultra-High-Performance Liquid Chromatographyâ€Diode Array Detection Coupled with Linear Ion Trapâ€Orbitrap Mass Spectrometer. <i>Molecules</i> , 2016, 21, 1728.	3.8	20
16	LCâ€MS based metabolomics identification of novel biomarkers of tobacco smokeâ€induced chronic bronchitis. <i>Biomedical Chromatography</i> , 2016, 30, 68-74.	1.7	19
17	Simultaneous quantification of eight organic acid components in <i>Artemisia capillaris</i> Thunb (Yinchen) extract using high-performance liquid chromatography coupled with diode array detection and high-resolution mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 788-795.	1.9	19
18	Kudinoside-D, a triterpenoid saponin derived from <i>Ilex kudingcha</i> suppresses adipogenesis through modulation of the AMPK pathway in 3T3-L1 adipocytes. <i>FÃ-toterapÃ-Ãç</i> , 2018, 125, 208-216.	2.2	19

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19	Simultaneous Screening and Identifying Four Categories of Particular Flavonoids in the Leaves of <i>Murraya exotica</i> L. by HPLC-DAD-ESI-MS-MS. <i>Journal of Chromatographic Science</i> , 2014, 52, 103-114.	1.4	17
20	Comprehensive characterization of the <i>in vitro</i> and <i>in vivo</i> metabolites of geniposide in rats using ultra-high-performance liquid chromatography coupled with linear ion trap Orbitrap mass spectrometer. <i>Xenobiotica</i> , 2016, 46, 357-368.	1.1	17
21	A Comprehensive Screening and Identification of Genistin Metabolites in Rats Based on Multiple Metabolite Templates Combined with UHPLC-HRMS Analysis. <i>Molecules</i> , 2018, 23, 1862.	3.8	17
22	High-Throughput Untargeted Serum Metabolomics Analysis of Hyperuricemia Patients by UPLC-Q-TOF/MS. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-15.	1.2	15
23	A network pharmacology approach to investigate the anticancer mechanism of cinobufagin against hepatocellular carcinoma via downregulation of EGFR-CDK2 signaling. <i>Toxicology and Applied Pharmacology</i> , 2021, 431, 115739.	2.8	15
24	Rapid identification of polyphenols in Kudiezi injection with a practical technique of mass defect filter based on high-performance liquid chromatography coupled with linear ion trap/orbitrap mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 3515-3523.	2.7	14
25	Identification of Metabolites of 6-Hydroxy-3,4,5,2,4-pentamethoxychalcone in Rats by a Combination of Ultra-High-Performance Liquid Chromatography with Linear Ion Trap-Orbitrap Mass Spectrometry Based on Multiple Data Processing Techniques. <i>Molecules</i> , 2016, 21, 1266.	3.8	14
26	Rapid Identification of Tanshinone IIA Metabolites in an Amyloid- β 1-42 Induced Alzheimer's Disease Rat Model using UHPLC-Q-Exactive Orbitrap Mass Spectrometry. <i>Molecules</i> , 2019, 24, 2584.	3.8	14
27	Comprehensive metabolism study of polydatin in rat plasma and urine using ultra-high performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 22-35.	2.3	14
28	Rapid determination of ten polyphenols in Kudiezi injection using ultra-performance liquid chromatography-tandem mass spectrometry in multiple reaction monitoring mode. <i>Analytical Methods</i> , 2012, 4, 4230.	2.7	13
29	Chemical Constituent Profiling of <i>Paecilomyces cicadae</i> Liquid Fermentation for <i>Astragali Radix</i> . <i>Molecules</i> , 2019, 24, 2948.	3.8	12
30	The chemical transformations for <i>Radix Astragali</i> via different alkaline wash conditions by quantitative and qualitative analyses. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113164.	2.8	11
31	Fluorescence assay for the sensitive detection of fipronil based on an acetonitrile-oxidized SWCNH/aptamer sensor. <i>Analytical Methods</i> , 2021, 13, 3282-3291.	2.7	11
32	Novelty application of multi-omics correlation in the discrimination of sulfur-fumigation and non-sulfur-fumigation <i>Ophiopogonis Radix</i> . <i>Scientific Reports</i> , 2017, 7, 9971.	3.3	10
33	Drug Metabolite Cluster-Based Data-Mining Method for Comprehensive Metabolism Study of 5-hydroxy-6,7,3,4-tetramethoxyflavone in Rats. <i>Molecules</i> , 2019, 24, 3278.	3.8	10
34	Cinobufagin restrains the growth and triggers DNA damage of human hepatocellular carcinoma cells via proteasome-dependent degradation of thymidylate synthase. <i>Chemico-Biological Interactions</i> , 2022, 360, 109938.	4.0	10
35	Plasma metabolomics study on toxicity biomarker in rats treated with <i>Euphorbia fischeriana</i> based on LC-MS. <i>Biomedical Chromatography</i> , 2016, 30, 1386-1396.	1.7	8
36	A comprehensive profiling and identification of liquiritin metabolites in rats using ultra-high-performance liquid chromatography coupled with linear ion trap orbitrap mass spectrometer. <i>Xenobiotica</i> , 2021, 51, 564-581.	1.1	7

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37	Rapid Profiling and Identification of Vitexin Metabolites in Rat Urine, Plasma and Faeces after Oral Administration Using a UHPLC-Q-Exactive Orbitrap Mass Spectrometer Coupled with Multiple Data-mining Methods. <i>Current Drug Metabolism</i> , 2021, 22, 185-197.	1.2	7
38	Evaluating the reliability of spectral variables selected by subsampling methods. <i>Journal of Chemometrics</i> , 2015, 29, 87-95.	1.3	6
39	Enantioselective separation of nonsteroidal anti-inflammatory drugs with amylose tris(3-chloro-5-methylphenylcarbamate) stationary phase in HPLC with a focus on enantiomeric quality control in six pharmaceutical formulations containing racemic mixtures or single stereoisomers. <i>Chirality</i> , 2021, 33, 938-950.	2.6	6
40	Rapid Identification of 3,6-Disinapoyl Sucrose Metabolites in Alzheimer's Disease Model Mice Using UHPLC-Orbitrap Mass Spectrometry. <i>Molecules</i> , 2022, 27, 114.	3.8	6
41	A Novel Sesquiterpene Lactone from <i>Ixeris sonchifolia</i> . <i>Chemistry of Natural Compounds</i> , 2016, 52, 234-236.	0.8	4
42	Multiple perspectives of qingkailing injection-fraction-single compound in revealing the hepatotoxicity of baicalin and hyodeoxycholic acid. <i>Journal of Ethnopharmacology</i> , 2018, 215, 147-155.	4.1	4
43	Experimental and computational studies of enantioseparation of three profen enantiomers with a focus on quantification of the enantiomeric impurities present in the corresponding enantiopure S-profen drugs. <i>Journal of Chromatography A</i> , 2022, 1673, 463095.	3.7	4
44	Detection and Identification of Catalpol Metabolites in the Rat Plasma, Urine and Faeces Using Ultra-high Performance Liquid Chromatography-Q Exactive Hybrid Quadrupole-orbitrap High-resolution Accurate Mass Spectrometry. <i>Current Drug Metabolism</i> , 2021, 22, 173-184.	1.2	3
45	Metabolism study of Myricetin in rat urine, plasma and feces using UHPLC-Q-Exactive Orbitrap Mass Spectrometer. <i>Biomedical Chromatography</i> , 2021, , e5281.	1.7	3
46	Simultaneous separation of glycyrrhizic acid, baicalein and wogonin from <i>Radix Glycyrrhizae</i> and <i>Radix Scutellariae</i> using foam fractionation and <i>in vitro</i> activity evaluation. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 5200-5209.	3.5	3
47	Two New Sesquiterpene Lactones from <i>Ixeris sonchifolia</i> . <i>Chemistry of Natural Compounds</i> , 2019, 55, 674-676.	0.8	2
48	Comprehensive and Rapid Identification of Astilbin Metabolites in Rats Based on Multiple Metabolite Templates Combined with UHPLC-Q-Exactive Mass Spectrometry. <i>Current Drug Metabolism</i> , 2021, 22, .	1.2	2
49	Cellulose tris-(3,5-dimethyl phenyl carbamate) as a chiral stationary phase for enantiomeric determination of ofloxacin enantiomers and molecular docking study on the chiral separation mechanism. <i>New Journal of Chemistry</i> , 2022, 46, 9704-9709.	2.8	2
50	Characterization of Metabolites of \pm -mangostin in Bio-samples from SD Rats by UHPLC-Q-exactive Orbitrap MS. <i>Current Drug Metabolism</i> , 2021, 22, 1065-1073.	1.2	1
51	Metabolic profiles of 11,13- \pm -dihydroixerin Z in rats using high performance liquid chromatography-LTQ-Orbitrap mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 854-861.	2.7	0
52	New Methods and Technology in Drugs Metabolism and Pharmacokinetics (Part-II). <i>Current Drug Metabolism</i> , 2021, 22, 164-164.	1.2	0
53	HPLC-DAD-MS analysis of multiple chemical constituents in a Chinese herbal preparation Shuang-Huang-Lian injection. , 2014, , .		0
54	New Methods and Technology in Drugs Metabolism and Pharmacokinetics. <i>Current Drug Metabolism</i> , 2020, 21, 959-959.	1.2	0