Jiayu Zhang

List of Publications by Year
in descending order

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54	784	471509	610901
papers	citations	17	24
		h-index	g-index

54	54	54	1042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneous separation of glycyrrhizic acid, baicalein and wogonin from Radix Glycyrrhizae and Radix Scutellariae using foam fractionation and in vitro activity evaluation. Journal of the Science of Food and Agriculture, 2022, 102, 5200-5209.	3.5	3
2	Rapid Identification of 3,6â€²-Disinapoyl Sucrose Metabolites in Alzheimerâ€™s Disease Model Mice Using UHPLCâ€“Orbitrap Mass Spectrometry. Molecules, 2022, 27, 114.	3.8	6
3	Cinobufagin restrains the growth and triggers DNA damage of human hepatocellular carcinoma cells via proteasome-dependent degradation of thymidylate synthase. Chemico-Biological Interactions, 2022, 360, 109938.	4.0	10
4	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. New Journal of Chemistry, 2022, 46, 9704-9709.	2.8	2
5	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. Journal of Chromatography A, 2022, 1673, 463095.	3.7	4
6	A comprehensive profiling and identification of liquiritin metabolites in rats using ultra-high-performance liquid chromatography coupled with linear ion trapâ€“orbitrap mass spectrometer. Xenobiotica, 2021, 51, 564-581.	1.1	7
7	New Methods and Technology in Drugs Metabolism and Pharmacokinetics (Part-II). Current Drug Metabolism, 2021, 22, 164-164.	1.2	0
8	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. Current Drug Metabolism, 2021, 22, 185-197.	1.2	7
9	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. Current Drug Metabolism, 2021, 22, 173-184.	1.2	3
10	High-Throughput Untargeted Serum Metabolomics Analysis of Hyperuricemia Patients by UPLC-Q-TOF/MS. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-15.	1.2	15
11	Comprehensive and Rapid Identification of Astilbin Metabolites in Rats Based on Multiple Metabolite Templates Combined with UHPLC-Q-ExactiveMass Spectrometry. Current Drug Metabolism, 2021, 22, .	1.2	2
12	Fluorescence assay for the sensitive detection of fipronil based on an â€œonâ€“offâ€•oxidized SWCNH/aptamer sensor. Analytical Methods, 2021, 13, 3282-3291.	2.7	11
13	Enantioselective separation of nonsteroidal antiâ€inflammatory drugs with amylose tris(3â€chloroâ€5â€methylphenylcarbamate) stationary phase in HPLC with a focus on enantiomeric quality control in six pharmaceutical formulations containing racemic mixtures or single stereoisomers. Chirality, 2021, 33, 938-950.	2.6	6
14	Chrysin induces autophagy-dependent ferroptosis to increase chemosensitivity to gemcitabine by targeting CBR1 in pancreatic cancer cells. Biochemical Pharmacology, 2021, 193, 114813.	4.4	35
15	A network pharmacology approach to investigate the anticancer mechanism of cinobufagin against hepatocellular carcinoma via downregulation of EGFR-CDK2 signaling. Toxicology and Applied Pharmacology, 2021, 431, 115739.	2.8	15
16	Characterization of Metabolites of Î±-mangostin in Bio-samples from SD Rats by UHPLC-Q-exactive Orbitrap MS. Current Drug Metabolism, 2021, 22, 1065-1073.	1.2	1
17	Metabolism study of Myricetin in rat urine, plasma and feces using UHPLCâ€Qâ€Exactive Orbitrap Mass Spectrometer. Biomedical Chromatography, 2021, , e5281.	1.7	3
18	Metabolism study of hesperetin and hesperidin in rats by UHPLC-LTQ-Orbitrap MSn. Xenobiotica, 2020, 50, 1311-1322.	1.1	21

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19	The chemical transformations for Radix Astragali via different alkaline wash conditions by quantitative and qualitative analyses. Journal of Pharmaceutical and Biomedical Analysis, 2020, 185, 113164.	2.8	11
20	New Methods and Technology in Drugs Metabolism and Pharmacokinetics. Current Drug Metabolism, 2020, 21, 959-959.	1.2	0
21	Two New Sesquiterpene Lactones from Ixeris sonchifolia. Chemistry of Natural Compounds, 2019, 55, 674-676.	0.8	2
22	Rapid Identification of Tanshinone IIA Metabolites in an Amyloid-Î²1-42 Induced Alzherimerâ€™s Disease Rat Model using UHPLC-Q-Exactive Qrbitrap Mass Spectrometry. Molecules, 2019, 24, 2584.	3.8	14
23	Drug Metabolite Cluster-Based Data-Mining Method for Comprehensive Metabolism Study of 5-hydroxy-6,7,3â€²,4â€²-tetramethoxyflavone in Rats. Molecules, 2019, 24, 3278.	3.8	10
24	Chemical Constituent Profiling of Paecilomyces cicadae Liquid Fermentation for Astragli Radix. Molecules, 2019, 24, 2948.	3.8	12
25	Profiling and comparison of the metabolites of diosmetin and diosmin in rat urine, plasma and feces using UHPLC-LTQ-Orbitrap MSn. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 58-71.	2.3	37
26	Comprehensive metabolism study of polydatin in rat plasma and urine using ultra-high performance liquid chromatography coupled with high-resolution mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1117, 22-35.	2.3	14
27	Rapid characterization of chlorogenic acids in Duhaldea nervosa based on ultraâ€highâ€performance liquid chromatographyâ€“linear trap quadropoleâ€Orbitrapâ€mass spectrometry and mass spectral trees similarity filter technique. Journal of Separation Science, 2018, 41, 1764-1774.	2.5	25
28	Simultaneous quantification of eight organic acid components in Artemisia capillaris Thunb (Yinchen) extract using high-performance liquid chromatography coupled with diode array detection and high-resolution mass spectrometry. Journal of Food and Drug Analysis, 2018, 26, 788-795.	1.9	19
29	Multiple perspectives of qingkailing injection-fraction-single compound in revealing the hepatotoxicity of baicalin and hyodeoxycholic acid. Journal of Ethnopharmacology, 2018, 215, 147-155.	4.1	4
30	Kudinoside-D, a triterpenoid saponin derived from Ilex kudingcha suppresses adipogenesis through modulation of the AMPK pathway in 3T3-L1 adipocytes. FÃ¬toterapÃ¬Ã¢, 2018, 125, 208-216.	2.2	19
31	A Comprehensive Screening and Identification of Genistin Metabolites in Rats Based on Multiple Metabolite Templates Combined with UHPLC-HRMS Analysis. Molecules, 2018, 23, 1862.	3.8	17
32	Rapid Screening and Identification of Daidzein Metabolites in Rats Based on UHPLC-LTQ-Orbitrap Mass Spectrometry Coupled with Data-Mining Technologies. Molecules, 2018, 23, 151.	3.8	28
33	Metabolomics data fusion between near infrared spectroscopy and high-resolution mass spectrometry: A synergetic approach to boost performance or induce confusion. Talanta, 2018, 189, 641-648.	5.5	26
34	Profiling and identification of (â^')â€epicatechin metabolites in rats using ultraâ€high performance liquid chromatography coupled with linear trapâ€Orbitrap mass spectrometer. Drug Testing and Analysis, 2017, 9, 1224-1235.	2.6	28
35	Rapid profiling and identification of puerarin metabolites in rat urine and plasma after oral administration by UHPLC-LTQ-Orbitrap mass spectrometer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1068-1069, 180-192.	2.3	27
36	An integrated strategy for rapid discovery and identification of the sequential piperine metabolites in rats using ultra high-performance liquid chromatography/high resolution mass spectrometery. Journal of Pharmaceutical and Biomedical Analysis, 2017, 146, 387-401.	2.8	32

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37	Novelty application of multi-omics correlation in the discrimination of sulfur-fumigation and non-sulfur-fumigation Ophiopogonis Radix. Scientific Reports, 2017, 7, 9971.	3.3	10
38	Identification of Metabolites of 6â€²-Hydroxy-3,4,5,2â€²,4â€²-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. Molecules, 2016, 21, 1266.	3.8	14
39	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. Molecules, 2016, 21, 1728.	3.8	20
40	Plasma metabonomics study on toxicity biomarker in rats treated with Euphorbia fischeriana based on LCâ€“MS. Biomedical Chromatography, 2016, 30, 1386-1396.	1.7	8
41	LCâ€MS based metabolomics identification of novel biomarkers of tobacco smokeâ€induced chronic bronchitis. Biomedical Chromatography, 2016, 30, 68-74.	1.7	19
42	Metabolic profiles of 11,13Î±-dihydroixerin Z in rats using high performance liquid chromatography-LTQ-Orbitrap mass spectrometry. Analytical Methods, 2016, 8, 854-861.	2.7	0
43	A Novel Sesquiterpene Lactone from Ixeris sonchifolia. Chemistry of Natural Compounds, 2016, 52, 234-236.	0.8	4
44	Comprehensive characterization of thein vitroandin vivometabolites of geniposide in rats using ultra-high-performance liquid chromatography coupled with linear ion trapâ€“Orbitrap mass spectrometer. Xenobiotica, 2016, 46, 357-368.	1.1	17
45	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 985, 91-102.	2.3	71
46	HPLC-LTQ-orbitrap MSⁿ profiling method to comprehensively characterize multiple chemical constituents in xiao-er-qing-jie granules. Analytical Methods, 2015, 7, 7511-7526.	2.7	29
47	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 Herba Cistanches. RSC Advances, 2015, 5, 80816-80828.	3.6	21
48	Evaluating the reliability of spectral variables selected by subsampling methods. Journal of Chemometrics, 2015, 29, 87-95.	1.3	6
49	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. Biomedical Chromatography, 2015, 29, 379-387.	1.7	24
50	Simultaneous Screening and Identifying Four Categories of Particular Flavonoids in the Leaves of Murraya exotica L. by HPLC-DAD-ESI-MS-MS. Journal of Chromatographic Science, 2014, 52, 103-114.	1.4	17
51	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. Analytical Methods, 2014, 6, 3515-3523.	2.7	14
52	Triterpene saponins from the roots of Ilex pubescens. FÃ¬toterapÃ¬Ã¢, 2014, 97, 98-104.	2.2	21
53	HPLC-DADâ€“MSnanalysis of multiple chemical constituents in a Chinese herbal preparation Shuang-Huang-Lian injection. , 2014, , .		0
54	Rapid determination of ten polyphenols in Kudiezi injection using ultra-performance liquid chromatography-tandem mass spectrometry in multiple reaction monitoring mode. Analytical Methods, 2012, 4, 4230.	2.7	13