

Zunjian Zhang

List of Publications by Year in descending order

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68
papers

1,087
citations

394421

19
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501196

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70
all docs

70
docs citations

70
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of Metabolite Biomarkers for Acute Ischemic Stroke Progression. <i>Journal of Proteome Research</i> , 2017, 16, 773-779.	3.7	85
2	Twin Derivatization Strategy for High-Coverage Quantification of Free Fatty Acids by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 12223-12230.	6.5	72
3	Medicinal uses, phytochemistry and pharmacology of the genus <i>Dictamnus</i> (Rutaceae). <i>Journal of Ethnopharmacology</i> , 2015, 171, 247-263.	4.1	62
4	In vivo metabolism study of rhubarb decoction in rat using high-performance liquid chromatography with UV photodiode-array and mass-spectrometric detection: A strategy for systematic analysis of metabolites from traditional Chinese medicines in biological samples. <i>Journal of Chromatography A</i> , 2010, 1217, 7144-7152.	3.7	56
5	Functional metabolomics reveal the role of AHR/GPR35 mediated kynurenic acid gradient sensing in chemotherapy-induced intestinal damage. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 763-780.	12.0	41
6	Metabolomics based on liquid chromatography with mass spectrometry reveals the chemical difference in the stems and roots derived from <i>Ephedra sinica</i> . <i>Journal of Separation Science</i> , 2015, 38, 3331-3336.	2.5	32
7	A novel liquid chromatography tandem mass spectrometry method for simultaneous determination of branched-chain amino acids and branched-chain α -keto acids in human plasma. <i>Amino Acids</i> , 2016, 48, 1523-1532.	2.7	32
8	Cardioprotective roles of sestrin 1 and sestrin 2 against doxorubicin cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H39-H48.	3.2	31
9	Pharmacometabolomic prediction of individual differences of gastrointestinal toxicity complicating myelosuppression in rats induced by irinotecan. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 157-166.	12.0	30
10	Structural elucidation of <i>in vitro</i> metabolites of emodin by liquid chromatography-tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2008, 22, 1230-1236.	1.7	29
11	<i>Akkermansia muciniphila</i> Potentiates the Antitumor Efficacy of FOLFOX in Colon Cancer. <i>Frontiers in Pharmacology</i> , 2021, 12, 725583.	3.5	28
12	Branched-Chain Amino Acids as Predictors for Individual Differences of Cisplatin Nephrotoxicity in Rats: A Pharmacometabonomics Study. <i>Journal of Proteome Research</i> , 2017, 16, 1753-1762.	3.7	25
13	Profiling of components of rhizoma et radix <i>Polygoni cuspidati</i> by high-performance liquid chromatography with ultraviolet diode-array detector and ion trap/time-of-flight mass spectrometric detection. <i>Pharmacognosy Magazine</i> , 2015, 11, 486.	0.6	23
14	Comparison of ESI and APCI-LC-MS/MS methods: A case study of levonorgestrel in human plasma. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 356-362.	5.3	22
15	Twins labeling-liquid chromatography/mass spectrometry based metabolomics for absolute quantification of tryptophan and its key metabolites. <i>Journal of Chromatography A</i> , 2017, 1504, 83-90.	3.7	22
16	Intestinal metabolism of <i>Polygonum cuspidatum</i> <i>in vitro</i> and <i>in vivo</i> . <i>Biomedical Chromatography</i> , 2018, 32, e4190.	1.7	22
17	Time Series Characteristics of Serum Branched-Chain Amino Acids for Early Diagnosis of Chronic Heart Failure. <i>Journal of Proteome Research</i> , 2019, 18, 2121-2128.	3.7	22
18	An extendable all-in-one injection twin derivatization LC-MS/MS strategy for the absolute quantification of multiple chemical-group-based submetabolomes. <i>Analytica Chimica Acta</i> , 2019, 1063, 99-109.	5.4	22

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19	Time-resolved metabolomics analysis of individual differences during the early stage of lipopolysaccharide-treated rats. <i>Scientific Reports</i> , 2016, 6, 34136.	3.3	21
20	A pharmacometabonomic approach using predose serum metabolite profiles reveals differences in lipid metabolism in survival and non-survival rats treated with lipopolysaccharide. <i>Metabolomics</i> , 2016, 12, 1.	3.0	20
21	Metabolomics-driven identification of adenosine deaminase as therapeutic target in a mouse model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2019, 150, 282-295.	3.9	20
22	Metabolomic study of Chinese medicine Huang Qin decoction as an effective treatment for irinotecan-induced gastrointestinal toxicity. <i>RSC Advances</i> , 2015, 5, 26420-26429.	3.6	18
23	<i>In vitro</i> metabolism study of saikosaponin d and its derivatives in rat liver microsomes. <i>Xenobiotica</i> , 2017, 47, 11-19.	1.1	18
24	GC-MS based metabolomics study of stems and roots of <i>Ephedra sinica</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 49-52.	2.8	16
25	Plant metabolomics driven chemical and biological comparison of the root bark of <i>Dictamnus dasycarpus</i> and <i>Dictamnus angustifolius</i> . <i>RSC Advances</i> , 2015, 5, 15700-15708.	3.6	16
26	Untargeted Metabolomics Study of the In Vitro Anti-Hepatoma Effect of Saikosaponin d in Combination with NRP-1 Knockdown. <i>Molecules</i> , 2019, 24, 1423.	3.8	16
27	Predicting the grades of <i>Astragali radix</i> using mass spectrometry-based metabolomics and machine learning. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 611-616.	5.3	14
28	Tryptophan Pathway-Targeted Metabolomics Study on the Mechanism and Intervention of Cisplatin-Induced Acute Kidney Injury in Rats. <i>Chemical Research in Toxicology</i> , 2021, 34, 1759-1768.	3.3	14
29	Network Pharmacology and Bioactive Equivalence Assessment Integrated Strategy Driven Q-markers Discovery for Da-Cheng-Qi Decoction to Attenuate Intestinal Obstruction. <i>Phytomedicine</i> , 2020, 72, 153236.	5.3	14
30	Simultaneous SPE-LC Determination of Three Flavonoid Glycosides of Naringin, Neohesperidin and Hesperidin in Da-Cheng-Qi Decoction. <i>Chromatographia</i> , 2007, 66, 763-766.	1.3	13
31	Optimization of a Precolumn OPA Derivatization HPLC Assay for Monitoring of L-Asparagine Depletion in Serum during L-Asparaginase Therapy. <i>Journal of Chromatographic Science</i> , 2018, 56, 794-801.	1.4	13
32	Elevated system exposures of baicalin after combinatory oral administration of rhein and baicalin: Mainly related to breast cancer resistance protein (ABCG2), not UDP-glucuronosyltransferases. <i>Journal of Ethnopharmacology</i> , 2020, 250, 112528.	4.1	13
33	Determination of Gallic Acid in Rat Plasma by LC-MS-MS. <i>Chromatographia</i> , 2010, 71, 1107-1111.	1.3	12
34	Dissecting Target Toxic Tissue and Tissue Specific Responses of Irinotecan in Rats Using Metabolomics Approach. <i>Frontiers in Pharmacology</i> , 2017, 8, 122.	3.5	12
35	Network-driven targeted analysis reveals that <i>Astragali Radix</i> alleviates doxorubicin-induced cardiotoxicity by maintaining fatty acid homeostasis. <i>Journal of Ethnopharmacology</i> , 2022, 287, 114967.	4.1	12
36	Validated LC-MS/MS method for the determination of amlodipine enantiomers in rat plasma and its application to a stereoselective pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 74-81.	2.8	11

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37	Absolute Quantification of Acylcarnitines Using Integrated Tmt-PP Derivatization-Based LC-MS/MS and Quantitative Analysis of Multi-Components by a Single Marker Strategy. <i>Analytical Chemistry</i> , 2021, 93, 12973-12980.	6.5	11
38	Chemical differentiation of Da-Cheng-Qi decoction and its three analogous decoctions using UFLC-IT-TOF/MS-based chemomic and chemometric approach. <i>Analytical Methods</i> , 2014, 6, 1720-1727.	2.7	9
39	Separation and determination of acetyl-glutamine enantiomers by HPLC-MS and its application in pharmacokinetic study. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 303-308.	5.3	9
40	Attenuation of doxorubicin-induced oxidative damage in rat brain by regulating amino acid homeostasis with Astragali Radix. <i>Amino Acids</i> , 2021, 53, 893-901.	2.7	8
41	Metabolic network-based identification of plasma markers for non-small cell lung cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7421-7430.	3.7	8
42	Pharmacokinetic Comparison in Rats of Six Bioactive Compounds between Da-Cheng-Qi Decoction and its Parent Herbal Medicines. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	7
43	Simultaneous determination of levonorgestrel and two endogenous sex hormones in human plasma based on LC-MS/MS. <i>Bioanalysis</i> , 2016, 8, 1133-1144.	1.5	7
44	Influence of wine-processing on the pharmacokinetics of anthraquinone aglycones and glycosides from rhubarb in hyperlipidemic hamsters. <i>RSC Advances</i> , 2016, 6, 24871-24879.	3.6	7
45	Biomarker Discovery for Cytochrome P450 1A2 Activity Assessment in Rats, Based on Metabolomics. <i>Metabolites</i> , 2019, 9, 77.	2.9	7
46	Identification of impurities in nafamostat mesylate using HPLC-IT-TOF/MS: A series of double-charged ions. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 346-350.	5.3	7
47	Saikosaponins and the deglycosylated metabolites exert liver meridian guiding effect through PXR/CYP3A4 inhibition. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114344.	4.1	7
48	Targeted quantitative analysis of anthraquinone derivatives by high-performance liquid chromatography coupled with tandem mass spectrometry to discriminate between crude and processed rhubarb samples. <i>Analytical Methods</i> , 2015, 7, 5375-5380.	2.7	6
49	Determination of torasemide in human plasma and its bioequivalence study by high-performance liquid chromatography with electrospray ionization tandem mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 95-102.	5.3	6
50	Pharmacokinetics and oral bioavailability studies of three saikogenins in rats using a validated UFLC-MS/MS method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 265-272.	2.3	6
51	In vitro studies on the metabolism of saikogenins and the detection of their metabolites in authentic biosamples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 295-301.	2.8	6
52	Dynamic metabolomic analysis of intestinal ischemia-reperfusion injury in rats. <i>IUBMB Life</i> , 2020, 72, 1001-1011.	3.4	6
53	Simultaneous Quantification of Sodium Ferulate, Salicylic Acid, Cinnarizine and Vitamin B1 in Human Plasma by LC Tandem MS Detection. <i>Chromatographia</i> , 2008, 67, 583-590.	1.3	5
54	Use of liquid chromatography hybrid triple quadrupole mass spectrometry for the detection of emodin metabolites in rat bile and urine. <i>Biomedical Chromatography</i> , 2017, 31, e3979.	1.7	5

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55	Localization of malonyl and acetyl on substituted saikosaponins according to the full-scan mass spectra and the fragmentation of sodium-adduct ions in the positive mode. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 883-893.	1.5	5
56	Quantitative characterization of glutaminolysis in human plasma using liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2045-2055.	3.7	5
57	Constituents of Da-Cheng-Qi Decoction and its Parent Herbal Medicines Determined by LC-MS/MS. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	4
58	A pseudo-kinetics approach for time-series metabolomics investigations: more reliable and sensitive biomarkers revealed in vincristine-induced paralytic ileus rats. <i>RSC Advances</i> , 2016, 6, 54471-54478.	3.6	4
59	Enantioseparation of <i>N</i> -acetylglutamine enantiomers by LC-MS/MS and its application to a plasma protein binding study. <i>Biomedical Chromatography</i> , 2019, 33, e4559.	1.7	3
60	Twins labeling derivatization-based LC-MS/MS strategy for absolute quantification of paired prototypes and modified metabolites. <i>Analytica Chimica Acta</i> , 2022, 1193, 339399.	5.4	3
61	HPLC/DAD Comparison of Sixteen Bioactive Components between <i>Da-Cheng-Qi</i> Decoction and its Parent Herbal Medicines. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	2
62	Pharmacokinetics of T0901317 in mouse serum and tissues using a validated UFLC-IT-TOF/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113420.	2.8	2
63	<i>Z</i> ⁰ ion from saikosaponins with 16 \pm OH and <i>Y</i> ⁰ \rightarrow H ² O from saikosaponins with 16 \pm OH may underlie their different dissociation patterns of [aglycone \rightarrow H ² O + H] ⁺ . <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8650.	1.5	1
64	Pharmacokinetics and Tissue Distribution of Loratadine, Desloratadine and Their Active Metabolites in Rat based on a Newly Developed LC-MS/MS Analytical Method. <i>Drug Research</i> , 2020, 70, 528-540.	1.7	1
65	A Validated LC-MS/MS Method for Simultaneous Quantification of Simvastatin and Simvastatin Acid in Beagle Plasma: Application to an Absolute Bioavailability Study. <i>Biomedical Chromatography</i> , 2021, , e5290.	1.7	1
66	Determination of Zofenopril and Its Active Metabolite in Human Plasma Using High-Performance Liquid Chromatography Combined With a Triple-Quadruple Tandem Mass Spectrometer. <i>Journal of Chromatographic Science</i> , 2015, 53, 253-262.	1.4	0
67	Isomeric effect on the mass spectrometric dissociation of aglycones of saikosaponins in the negative ion mode. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8812.	1.5	0
68	Development and validation of a LC-MS/MS method for the enantioseparation and determination of clopidogrel bisulfate in beagle plasma and its application to a stereoselective pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 196, 113901.	2.8	0