

Zunjian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

1,087
citations

394421

19
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501196

28
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70
all docs

70
docs citations

70
times ranked

1438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Network-driven targeted analysis reveals that Astragali Radix alleviates doxorubicin-induced cardiotoxicity by maintaining fatty acid homeostasis. <i>Journal of Ethnopharmacology</i> , 2022, 287, 114967. | 4.1 | 12 |
| 3 | Predicting the grades of Astragali radix using mass spectrometry-based metabolomics and machine learning. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 611-616. | 5.3 | 14 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Akkermansia Muciniphila Potentiates the Antitumor Efficacy of FOLFOX in Colon Cancer. <i>Frontiers in Pharmacology</i> , 2021, 12, 725583. | 3.5 | 28 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | m/z ion from saikosaponins with $16 \text{ }^1\text{H}$ and m/z H^2O from saikosaponins with $16 \text{ }^1\text{H}$ may underlie their different dissociation patterns of [aglycone $\text{H}^2\text{O} + \text{H}$] $^+$. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8650. | 1.5 | 1 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | Dynamic metabolomic analysis of intestinal ischemia-reperfusion injury in rats. <i>IUBMB Life</i> , 2020, 72, 1001-1011. | 3.4 | 6 |
| 20 | 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 |
| 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 | 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 |
| 23 | Biomarker Discovery for Cytochrome P450 1A2 Activity Assessment in Rats, Based on Metabolomics. <i>Metabolites</i> , 2019, 9, 77. | 2.9 | 7 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Intestinal metabolism of <i>Polygonum cuspidatum</i> in vitro and in vivo. <i>Biomedical Chromatography</i> , 2018, 32, e4190. | 1.7 | 22 |
| 34 | 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 |
| 35 | 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 |
| 36 | In vitro metabolism study of saikosaponin d and its derivatives in rat liver microsomes. <i>Xenobiotica</i> , 2017, 47, 11-19. | 1.1 | 18 |

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|----|--|-----|-----------|
| 37 | Discovery of Metabolite Biomarkers for Acute Ischemic Stroke Progression. <i>Journal of Proteome Research</i> , 2017, 16, 773-779. | 3.7 | 85 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Comparison of ESI and APCLC-MS/MS methods: A case study of levonorgestrel in human plasma. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 356-362. | 5.3 | 22 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Medicinal uses, phytochemistry and pharmacology of the genus <i>Dictamnus</i> (Rutaceae). <i>Journal of Ethnopharmacology</i> , 2015, 171, 247-263. | 4.1 | 62 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Determination of Gallic Acid in Rat Plasma by LC-MS-MS. <i>Chromatographia</i> , 2010, 71, 1107-1111. | 1.3 | 12 |
| 62 | 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 |
| 63 | 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 |
| 64 | Constituents of <i>Da-Cheng-Qi</i> Decoction and its Parent Herbal Medicines Determined by LC-MS/MS. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500. | 0.5 | 4 |
| 65 | Pharmacokinetic Comparison in Rats of Six Bioactive Compounds between <i>Da-Cheng-Qi</i> Decoction and its Parent Herbal Medicines. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500. | 0.5 | 7 |
| 66 | 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 |
| 67 | 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 |
| 68 | Simultaneous SPE-LC Determination of Three Flavonoid Glycosides of Naringin, Neohesperidin and Hesperidin in <i>Da-Cheng-Qi</i> Decoction. <i>Chromatographia</i> , 2007, 66, 763-766. | 1.3 | 13 |