

Zhili Xiong

List of Publications by Year in descending order

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64
papers

905
citations

430442

18
h-index

580395

25
g-index

64
all docs

64
docs citations

64
times ranked

1152
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic solid-phase extraction based on zirconium-based metal-organic frameworks for simultaneous enantiomeric determination of eight chiral pesticides in water and fruit juices. <i>Food Chemistry</i> , 2022, 370, 131056.	4.2	23
2	Facile synthesis of DTC-Chm-GO nanocomposite with remarkable adsorption capacity and antibacterial activity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 275, 115517.	1.7	10
3	¹ H NMR serum metabolomics and its endogenous network pharmacological analysis of Gushudan on kidney-yang-deficiency-syndrome rats. <i>Analytical Biochemistry</i> , 2022, 643, 114580.	1.1	8
4	Hydrophilic molecularly imprinted membranes based on GO-loading for simultaneously selective recognition and detection of three amphenicols drugs in pork and milk. <i>Food Chemistry</i> , 2022, 384, 132542.	4.2	7
5	A highly dispersed magnetic polymetallic catalyst to activate peroxymonosulfate for the degradation of organic pollutants in wastewater. <i>Environmental Science: Nano</i> , 2022, 9, 2939-2953.	2.2	1
6	Fe ₃ O ₄ /graphene molecularly imprinted composite for selective separation of catecholamine neurotransmitters and their analysis in rat brain tissues. <i>Talanta</i> , 2021, 224, 121843.	2.9	21
7	Integrated renal metabolomic and metallomic profiling revealed protective effect and metabolic mechanism of Gushudan on glucocorticoid-induced osteoporotic rat based on GC-MS and ICP-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113705.	1.4	10
8	Tailor-made deep eutectic solvents extraction combined with UPLC-MS/MS determination of icarrin and icarisid II in rat plasma and its comparative pharmacokinetic application. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 199, 114054.	1.4	11
9	Facile synthesis of layer-by-layer decorated graphene oxide based magnetic nanocomposites for β -agonists/dyes adsorption removal and bacterial inactivation in wastewater. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159414.	2.8	25
10	Dummy molecularly imprinted membranes based on an eco-friendly synthesis approach for recognition and extraction of enrofloxacin and ciprofloxacin in egg samples. <i>Journal of Chromatography A</i> , 2021, 1653, 462411.	1.8	14
11	Redox-induced target-dependent ratiometric fluorescence sensing strategy and logic gate operation for detection of β -glucosidase activity and its inhibitor. <i>Dalton Transactions</i> , 2021, 50, 9426-9437.	1.6	11
12	Smartphone-assisted ratiometric fluorescence sensing platform and logical device based on polydopamine nanoparticles and carbonized polymer dots for visual and point-of-care testing of glutathione. <i>Analytica Chimica Acta</i> , 2021, 1188, 339165.	2.6	19
13	The tissue distribution and excretion study of mosapride and its active des-p-fluorobenzyl and 4-N-oxide metabolites in rats by ultra-high performance liquid chromatography-tandem mass spectrometry method. <i>Xenobiotica</i> , 2020, 50, 202-211.	0.5	1
14	Integrated metabolomic analysis for intervention effects of Gushudan on glucocorticoid-induced osteoporotic rat plasma based on RP/HILIC-UHPLC-Q-Orbitrap HRMS. <i>Analytical Biochemistry</i> , 2020, 591, 113559.	1.1	13
15	¹ H-NMR-based urinary metabolomic analysis for the preventive effects of gushudan on glucocorticoid-induced osteoporosis rats. <i>Analytical Biochemistry</i> , 2020, 610, 113992.	1.1	17
16	Systematically characterized mechanism of treatment for lumbar disc herniation based on Yaobitong capsule ingredient analysis in rat plasma and its network pharmacology strategy by UPLC-MS/MS. <i>Journal of Ethnopharmacology</i> , 2020, 260, 113097.	2.0	19
17	Deep eutectic solvent combined with ultrasound-assisted extraction as high efficient extractive media for extraction and quality evaluation of Herba Epimedii. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113228.	1.4	21
18	Magnetic dummy-template molecularly imprinted polymers based on multi-walled carbon nanotubes for simultaneous selective extraction and analysis of phenoxy carboxylic acid herbicides in cereals. <i>Food Chemistry</i> , 2020, 333, 127540.	4.2	31

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19	Extraction optimization of accelerated solvent extraction for eight active compounds from Yaobitong capsule using response surface methodology: Comparison with ultrasonic and reflux extraction. <i>Journal of Chromatography A</i> , 2020, 1620, 460984.	1.8	12
20	UPLC-MS/MS simultaneous determination of seven active ingredients of Yaobitong capsule in rat plasma and its integrated pharmacokinetic application. <i>Biomedical Chromatography</i> , 2020, 34, e4866.	0.8	4
21	Study on degradation kinetics of epalrestat in aqueous solutions and characterization of its major degradation products under stress degradation conditions by UHPLC-PDA-MS/MS. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 423-430.	2.4	4
22	Ultrasound-assisted deep eutectic solvent as green and efficient media for the extraction of flavonoids from <i>Radix scutellariae</i> . <i>New Journal of Chemistry</i> , 2019, 43, 644-650.	1.4	23
23	Multi-class determination of steroid hormones and antibiotics in fatty hotpot ingredients by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 193-203.	1.4	13
24	An integrative urinary metabolomic study of the therapeutic effect of Guizhi Fuling capsule on primary dysmenorrheal rats based 1H NMR and UPLC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 750-758.	1.4	24
25	Ultrasound-assisted emulsification liquid phase microextraction method based on deep eutectic solvent as extraction solvent for determination of five pesticides in traditional Chinese medicine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 213-221.	1.4	36
26	An integrative UHPLC-MS/MS untargeted metabolomics combined with quantitative analysis of the therapeutic mechanism of Si-Ni-San. <i>Analytical Biochemistry</i> , 2019, 567, 128-135.	1.1	6
27	Development and validation of a hydrophilic interaction ultra-high-performance liquid chromatography-tandem mass spectrometry method for rapid simultaneous determination of 19 free amino acids in rat plasma and urine. <i>Biomedical Chromatography</i> , 2019, 33, e4387.	0.8	15
28	Quantitative determination of meloxicam in dog plasma by high performance liquid chromatography-tandem mass spectrometry and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2018, 32, e4228.	0.8	8
29	Simultaneous Determination of Vinpocetine and its Major Active Metabolite Apovincaminic Acid in Rats by UPLC-MS/MS and its Application to the Brain Tissue Distribution Study. <i>Journal of Chromatographic Science</i> , 2018, 56, 225-232.	0.7	5
30	Tissue metabolomic profiling to reveal the therapeutic mechanism of reduning injection on LPS-induced acute lung injury rats. <i>RSC Advances</i> , 2018, 8, 10023-10031.	1.7	11
31	Chemical UPLC-ESI-MS/MS profiling of aconitum alkaloids and their metabolites in rat plasma and urine after oral administration of <i>Aconitum carmichaelii</i> Debx. Root extract. <i>Biomedical Chromatography</i> , 2018, 32, e4049.	0.8	8
32	A HILIC-UHPLC-MS/MS untargeted urinary metabolomics combined with quantitative analysis of five polar biomarkers on osteoporosis rats after oral administration of Gushudan. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 40-49.	1.2	20
33	Integrated metabolomic study of the effects of Guizhi Fuling capsule intervention on primary dysmenorrheal using RP-UPLC-MS complementary with HILIC-UPLC-MS technique. <i>Biomedical Chromatography</i> , 2018, 32, e4093.	0.8	9
34	Identification of the cytochrome P450 enzymes involved in the oxidative metabolism of trantinterol using ultra high-performance liquid chromatography coupled with tandem mass spectrometry. <i>RSC Advances</i> , 2018, 8, 34764-34772.	1.7	0
35	Polypyrrole-modified magnetic multi-walled carbon nanotube-based magnetic solid-phase extraction combined with dispersive liquid-liquid microextraction followed by UHPLC-MS/MS for the analysis of sulfonamides in environmental water samples. <i>New Journal of Chemistry</i> , 2018, 42, 19578-19590.	1.4	14
36	Simultaneous quantification of oxybutynin and its active metabolite N-desethyl oxybutynin in rat plasma by ultra high performance liquid chromatography-tandem mass spectrometry and its application in a pharmacokinetic study of oxybutynin transdermal patch. <i>Biomedical Chromatography</i> , 2018, 33, e4456.	0.8	2

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37	Pharmacokinetic, bioavailability and tissue distribution study of MP3950, a new gastroprokinetic candidate compound, in rat using UPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 95-105.	1.2	1
38	Simultaneous enantiomeric analysis of chiral non-steroidal anti-inflammatory drugs in water, river sediment, and sludge using chiral liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 4404-4413.	1.3	24
39	Development and validation of a UHPLC-MS/MS method for the simultaneous determination of five bioactive flavonoids in rat plasma and comparative pharmacokinetic study after oral administration of Xiaochaihu Tang and three compatibilities. <i>Journal of Separation Science</i> , 2017, 40, 1896-1905.	1.3	8
40	Simultaneous determination of three di-caffeoylquinic acids by UHPLC-MS/MS in rat plasma and its application to a comparative pharmacokinetic study in normal and acute lung injury rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 275-281.	1.2	6
41	Simultaneous determination of epalrestat and puerarin in rat plasma by UHPLC-MS/MS: Application to their pharmacokinetic interaction study. <i>Biomedical Chromatography</i> , 2017, 31, e3855.	0.8	8
42	Quantification of trantinterol, its two metabolites and their primary conjugated metabolites in human plasma by ultra-high-performance liquid chromatography- tandem mass spectrometry and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 413-418.	1.4	2
43	Development and validation of a chiral liquid chromatography method for the determination of MP 3950 enantiomers, a high selective 5-HT ₄ receptor agonist, in rat plasma and its application to stereoselective pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 49-54.	1.2	2
44	Serum metabonomics study of anti-depressive effect of Xiao-Chai-Hu-Tang on rat model of chronic unpredictable mild stress. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1029-1030, 28-35.	1.2	39
45	¹ H NMR-based metabonomic study of sub-chronic hepatotoxicity induced by realgar. <i>Journal of Ethnopharmacology</i> , 2016, 192, 1-9.	2.0	25
46	Antidepressant-like effects of Xiaochaihutang in a neuroendocrine mouse model of anxiety/depression. <i>Journal of Ethnopharmacology</i> , 2016, 194, 674-683.	2.0	21
47	An integrated serum and urinary metabonomic research based on UPLC-MS and therapeutic effects of Gushudan on prednisolone-induced osteoporosis rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1027, 119-130.	1.2	31
48	Metabonomic Evaluation of Chronic Unpredictable Mild Stress-Induced Changes in Rats by Intervention of Fluoxetine by HILIC-UHPLC/MS. <i>PLoS ONE</i> , 2015, 10, e0129146.	1.1	18
49	An LC-MS/MS method for simultaneous determination of trantinterol and its major metabolite in rat plasma and its application to a comparative pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 163-168.	1.2	1
50	Simultaneous quantification of trantinterol and its metabolites in human urine by ultra performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 997, 64-69.	1.2	3
51	Simultaneous determination of icariin, naringin and osthole in rat plasma by UPLC-MS/MS and its application for pharmacokinetic study after oral administration of Gushudan capsules. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 993-994, 75-80.	1.2	11
52	In vivo study on the neurotransmitters and their metabolites change in depressive disorder rat plasma by ultra high performance liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 59-65.	1.2	41
53	Simultaneous determination of mosapride and its active des-p-fluorobenzyl and 4-N-oxide metabolites in rat plasma using UPLC-MS/MS: An application for a pharmacokinetic study. <i>Talanta</i> , 2015, 137, 130-135.	2.9	13
54	An Ultra-Performance Liquid Chromatography Photodiode Array Detection Tandem Mass Spectrometric Method for Simultaneous Determination of Seven Major Bioactive Constituents in Xiaochaihutang and Its Application to Fourteen Compatibilities Study. <i>Journal of Chromatographic Science</i> , 2015, 53, 1570-1576.	0.7	6

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55	Simultaneous determination of six bioactive constituents of Guizhi Fuling Capsule in rat plasma by UHPLC-MS/MS: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1001, 49-57.	1.2	30
56	Development and validation of UPLC-MS/MS method for simultaneous determination of gestodene and ethinyl estradiol in rat plasma. <i>Biomedical Chromatography</i> , 2010, 24, 160-168.	0.8	16
57	Liquid chromatography-mass spectrometry for analysis of a novel β_2 -adrenoceptor agonist trantinterol and its metabolites in beagle dog urine. <i>Biomedical Chromatography</i> , 2010, 24, 274-280.	0.8	11
58	A UPLC-MS-MS Method for Quantification of Harpagoside and Cinnamic Acid in Rat Plasma and Its Application to a Pharmacokinetic Study after Oral Administration of Yanyan Tablets. <i>Chromatographia</i> , 2010, 72, 163-169.	0.7	5
59	Simultaneous Determination of 14 Illegal Adulterants in Chinese Proprietary Medicines Using Reversed-Phase Ion-Pair LC. <i>Chromatographia</i> , 2010, 72, 1189-1194.	0.7	15
60	Hydrophilic interaction liquid chromatography-tandem mass spectrometry for the determination of adefovir in human plasma and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2111-2116.	1.2	17
61	LC Determination of Malondialdehyde Concentrations in the Human Umbilical Vein Endothelial Cell Culture Medium: Application to the Antioxidant Effect of Vitexin-2-O-rhamnoside. <i>Chromatographia</i> , 2008, 67, 679-686.	0.7	10
62	Simultaneous determination of icariin, icariside II and osthole in rat plasma after oral administration of the extract of Gushudan (a Chinese compound formulation) by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 860, 113-120.	1.2	47
63	Osteoblastic Proliferation Stimulating Activity of Epimedium koreanum. Nakai Extracts and Its Flavonol Glycosides. <i>Pharmaceutical Biology</i> , 2005, 43, 92-95.	1.3	17
64	Osteoblastic Proliferative Activity of Extracts of Qingme pill and its Disassembled Formulae. <i>Pharmaceutical Biology</i> , 2003, 41, 434-438.	1.3	1