

Xiaowei Shi

List of Publications by Year in descending order

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papers

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citations

257450

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docs citations

81
times ranked

1920
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical strategy for the characterization of coumarins in Radix Glehniae by liquid chromatography coupled with triple quadrupole-linear ion trap mass spectrometry. Journal of Chromatography A, 2010, 1217, 4587-4600.	3.7	78
2	Pharmacokinetic properties of paeoniflorin, albiflorin and oxypaeoniflorin after oral gavage of extracts of Radix Paeoniae Rubra and Radix Paeoniae Alba in rats. Journal of Ethnopharmacology, 2010, 130, 407-413.	4.1	63
3	Simultaneous characterization and quantitation of 11 coumarins in Radix Angelicae Dahuricae by high performance liquid chromatography with electrospray tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 599-605.	2.8	62
4	LC-MS/MS determination and pharmacokinetic study of five flavone components after solvent extraction/acid hydrolysis in rat plasma after oral administration of Verbena officinalis L. extract. Journal of Ethnopharmacology, 2011, 135, 201-208.	4.1	58
5	Identification of urinary metabolites of imperatorin with a single run on an LC/Triple TOF system based on multiple mass defect filter data acquisition and multiple data mining techniques. Analytical and Bioanalytical Chemistry, 2013, 405, 6721-6738.	3.7	45
6	Simultaneous quantification of 14 bioactive constituents in Forsythia Suspensa by liquid chromatography-electrospray ionisation-mass spectrometry. Phytochemical Analysis, 2010, 21, 253-260.	2.4	44
7	A comparative study on the pharmacokinetics of a traditional Chinese herbal preparation with the single herb extracts in rats by LC-MS/MS method. Journal of Pharmaceutical and Biomedical Analysis, 2013, 81-82, 34-43.	2.8	41
8	Simultaneous determination and pharmacokinetic study of six flavonoids from Fructus Sophorae extract in rat plasma by LC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 904, 59-64.	2.3	39
9	PPAR β Agonist from Chromolaena odorata. Journal of Natural Products, 2012, 75, 2076-2081.	3.0	35
10	A rapid method for simultaneous determination of triterpenoid saponins in Pulsatilla turczaninovii using microwave-assisted extraction and high performance liquid chromatography-tandem mass spectrometry. Food Chemistry, 2012, 135, 251-258.	8.2	35
11	Metabolic alterations in triptolide-induced acute hepatotoxicity. Biomedical Chromatography, 2018, 32, e4299.	1.7	35
12	Simultaneous and sensitive determination of xanthotoxin, psoralen, isoimipinellin and bergapten in rat plasma by liquid chromatography-electrospray ionization mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 575-582.	2.3	34
13	Simultaneous determination of five flavonoids from Scutellaria Barbata extract in rat plasma by LC-MS/MS and its application to pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1625-1632.	2.3	33
14	Multi-responses extraction optimization based on response surface methodology combined with polarity switching HPLC-MS/MS for the simultaneous quantitation of 11 compounds in Cortex Fraxini: Application to four species of Cortex Fraxini and its 3 confusable species. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 210-221.	2.8	31
15	A UHPLC-QTOF-MS/MS method for the simultaneous determination of eight triterpene compounds from Poria cocos (Schw.) Wolf extract in rat plasma: Application to a comparative pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1102-1103, 34-44.	2.3	31
16	Identification of in vitro and in vivo metabolites of isoimperatorin using liquid chromatography/mass spectrometry. Food Chemistry, 2013, 141, 357-365.	8.2	29
17	Simultaneous detection of flavonoids and phenolic acids in Herba Lysimachiae and Herba Desmodii Styracifolii using liquid chromatography tandem mass spectrometry. Food Chemistry, 2013, 138, 139-147.	8.2	29
18	Rapid Analysis of 27 Components of Isodon serra by LC-ESI-MS-MS. Chromatographia, 2010, 72, 265-273.	1.3	27

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19	Simultaneous quantification of 19 diterpenoids in <i>Isodon amethystoides</i> by high-performance liquid chromatography–electrospray ionization tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 403-411.	2.8	27
20	Quantitative analysis of nine coumarins in rat urine and bile after oral administration of <i>Radix Glehniae</i> extract by high-performance liquid chromatography–electrospray ionization tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2011, 25, 783-793.	1.7	27
21	Simultaneous quantification of flavonoids and phenolic acids in <i>Herba Scutellariae barbatae</i> and its confused plants by high performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2011, 129, 1297-1304.	8.2	27
22	Simultaneous determination of nine components in <i>nemarrhena asphodeloides</i> by liquid chromatography–tandem mass spectrometry combined with chemometric techniques. <i>Journal of Separation Science</i> , 2012, 35, 1796-1807.	2.5	25
23	Simultaneous determination of 15 components in <i>Radix Glehniae</i> by high performance liquid chromatography–electrospray ionization tandem mass spectrometry. <i>Food Chemistry</i> , 2010, 120, 886-894.	8.2	24
24	Identification of in vitro and in vivo metabolites of alantolactone by UPLC-TOF-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 250-260.	2.3	24
25	Study on the metabolites of isosalantolactone in vivo and in vitro by ultra performance liquid chromatography combined with Triple TOF mass spectrometry. <i>Food Chemistry</i> , 2017, 214, 328-338.	8.2	24
26	Differentiation of genuine <i>Inula britannica</i> L. and substitute specimens based on the determination of 15 components using LC–MS/MS and principal components analysis. <i>Food Chemistry</i> , 2013, 141, 4019-4025.	8.2	23
27	Simultaneous determination of four flavonoids and one phenolic acid in rat plasma by LC–MS/MS and its application to a pharmacokinetic study after oral administration of the <i>Herba Desmodii Styracifolii</i> extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 932, 66-73.	2.3	23
28	Simultaneous qualitative and quantitative analysis of 28 components in <i>Isodon rubescens</i> by HPLC–ESI–MS/MS. <i>Journal of Separation Science</i> , 2010, 33, 545-557.	2.5	22
29	Development of a novel method for triterpenoidal saponins in rat plasma by solid-phase extraction and high-performance liquid chromatography tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2011, 419, 323-332.	2.4	22
30	Pharmacokinetic and excretion study of three secoiridoid glycosides and three flavonoid glycosides in rat by LC–MS/MS after oral administration of the <i>Swertia pseudochinensis</i> extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 967, 75-83.	2.3	22
31	Study of in vitro metabolism of <i>m</i> -nisoldipine in human liver microsomes and recombinant cytochrome P450 enzymes by liquid chromatography–mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 97, 65-71.	2.8	21
32	Simultaneous determination of linarin, naringenin and formononetin in rat plasma by LC–MS/MS and its application to a pharmacokinetic study after oral administration of <i>Bushen Guchi Pill</i> . <i>Biomedical Chromatography</i> , 2015, 29, 246-253.	1.7	21
33	A novel analysis method for diterpenoids in rat plasma by liquid chromatography–electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2010, 407, 111-119.	2.4	20
34	Application of a liquid chromatography–tandem mass spectrometry method to the pharmacokinetics, tissue distribution and excretion studies of sweroside in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 1-11.	2.3	20
35	Cipadesin A, a bioactive ingredient of <i>Xylocarpus granatum</i> , produces antidepressant-like effects in adult mice. <i>Neuroscience Letters</i> , 2016, 633, 33-39.	2.1	20
36	Tentative identification of new metabolites of epimedin C by liquid chromatography–mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 3200-3207.	2.5	18

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37	Xylomexicanins C and D, New Mexicanolide-Type Limonoids from <i>Xylocarpus granatum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 736-740.	1.3	18
38	Structural elucidation of stress degradation products of ampicillin sodium by liquid chromatography/hybrid triple quadrupole linear ion trap mass spectrometry and liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1929-1936.	1.5	18
39	Simultaneous analysis of 11 main active components in <i>Cirsium setosum</i> based on HPLC-ESI-MS/MS and combined with statistical methods. <i>Journal of Separation Science</i> , 2012, 35, 2897-2907.	2.5	16
40	A chemometric-assisted LC-MS/MS method for the simultaneous determination of 17 limonoids from different parts of <i>Xylocarpus granatum</i> fruit. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4669-4679.	3.7	16
41	Sesquiterpene Lactones and their Anti-Tumor Activity from the Flowers of <i>Inula Britannica</i> . <i>Letters in Drug Design and Discovery</i> , 2008, 5, 433-436.	0.7	16
42	A sensitive analysis method for 7 diterpenoids in rat plasma by liquid chromatography-electrospray ionization mass spectrometry and its application to pharmacokinetic study of <i>Isodon serra</i> extract. <i>Journal of Chromatography A</i> , 2011, 1218, 7771-7780.	3.7	15
43	Qualitative and quantitative determination of nine main active constituents in <i>Pulsatilla cernua</i> by high-performance liquid chromatography coupled to electrospray ionization tandem mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 308-316.	2.5	15
44	Clerodens E, antibacterial caffeic acid derivatives from the aerial part of <i>Clerodendranthus spicatus</i> . <i>FITOTERAPIA</i> , 2016, 114, 110-114.	2.2	14
45	Anti-proliferative and anti-migratory effects of <i>Scutellaria strigillosa</i> Hemsley extracts against vascular smooth muscle cells. <i>Journal of Ethnopharmacology</i> , 2019, 235, 155-163.	4.1	14
46	A validated chiral liquid chromatographic method for the enantiomeric separation of safinamide mesilate, a new anti-Parkinson drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 220-224.	2.8	13
47	Simultaneous Quantification of Six Sesquiterpene Lactones in <i>Inula britannica</i> L. by RP-LC. <i>Chromatographia</i> , 2008, 68, 281-285.	1.3	11
48	Simultaneous determination of m-nisoldipine and its three metabolites in rat plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2989-2996.	2.3	11
49	Quality Evaluation of a Herbal Prescription Through Quantification of 40 Components by HPLC-ESI-MS/MS. <i>Phytochemical Analysis</i> , 2012, 23, 365-372.	2.4	10
50	Simultaneous determination of imperatorin and its metabolite xanthotoxol in rat plasma by using HPLC-ESI-MS coupled with hollow fiber liquid phase microextraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 185-192.	2.3	10
51	Targeting dihydrofolate reductase: Design, synthesis and biological evaluation of novel 6-substituted pyrrolo[2,3-d]pyrimidines as nonclassical antifolates and as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 329-340.	5.5	10
52	Studies on target tissue distribution of ginsenosides and epimedium flavonoids in rats after intravenous administration of Jiweiling freeze-dried powder. <i>Biomedical Chromatography</i> , 2011, 25, 1260-1272.	1.7	9
53	The ethanol extract of honeysuckle stem modulates the innate immunity of Chinese mitten crab <i>Eriocheir sinensis</i> against <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2018, 82, 304-311.	3.6	9
54	Non-targeted metabolomics reveals diagnostic biomarker in the tongue coating of patients with chronic gastritis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 541-551.	2.8	9

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55	Identification of the rat liver cytochrome P450 enzymes involved in the metabolism of the calcium channel blocker dipfluzine hydrochloride. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 901-912.	4.0	8
56	Separation of the Two Enantiomers of Naproxinod by Chiral Normal-Phase Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2011, 49, 272-275.	1.4	7
57	Simultaneous Determination of Eight Chemicals in Fufang Xueshuantong Capsules by LC-MS-MS with Periodic Polarity Switching. <i>Journal of Chromatographic Science</i> , 2015, 53, 1757-1764.	1.4	7
58	Discovery of Potent EGFR Inhibitors With 6-Arylureido-4-anilinoquinazoline Derivatives. <i>Frontiers in Pharmacology</i> , 2021, 12, 647591.	3.5	7
59	Rapid method for simultaneous determination of 20 components in <i>Isodon nervosa</i> by high-performance liquid chromatography-electrospray ionisation tandem mass spectrometry. <i>Phytochemical Analysis</i> , 2010, 21, 416-427.	2.4	6
60	Paternal reprogramming-escape histone H3K4me3 marks located within promoters of RNA splicing genes. <i>Bioinformatics</i> , 2021, 37, 1039-1044.	4.1	6
61	Development of a LC-ESI-MS3 method for determination of nitrendipine in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1101-1105.	2.8	5
62	Simultaneous Determination of a Novel Diphenylpiperazine Calcium Channel Blocker and Its Four Metabolites in Rat Liver Microsomes by Liquid Chromatography Tandem Mass Spectrometry. <i>Pharmacology</i> , 2012, 89, 201-210.	2.2	5
63	Determination of Cnidilin and Its Two Metabolites in Rat Plasma by High-performance Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry. <i>Planta Medica</i> , 2013, 79, 30-36.	1.3	5
64	Pharmacokinetics and excretion study of sophoricoside and its metabolite in rats by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 154-162.	2.3	5
65	Simultaneous quantification of naproxinod and its active metabolite naproxen in rat plasma using LC-MS/MS: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 978-979, 157-162.	2.3	5
66	Simultaneous Determination of Five Constituents in Qinpijiegu Capsule by High-Performance Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2015, 53, 274-279.	1.4	5
67	Herb-herb pharmacokinetic interaction between <i>Glehniae radix</i> and <i>Ophiopogonis radix</i> in rats using superimposed multiple product ion (SMPI) LC-HR-MS/MS. <i>RSC Advances</i> , 2017, 7, 29732-29741.	3.6	5
68	Determination of darusentan enantiomers in rat plasma by enantioselective liquid chromatography with tandem mass spectrometry using cellulose-based chiral stationary phase. <i>Journal of Separation Science</i> , 2011, 34, 2680-2685.	2.5	4
69	Determination of cnidilin and its two metabolites in rat bile and stool after oral administration by HPLC/electrospray ionization tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 527-534.	1.7	4
70	Pharmacokinetics of Polyethylene Glycol-Modified Canine Uricase Following Single and Multiple Intravenous Injections in <i>Cynomolgus</i> Monkeys. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2020, 45, 445-451.	1.6	4
71	Granaxylocartin A, New Limonoid from the Seeds of <i>Xylocarpus granatum</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 901-903.	0.8	3
72	Species and sex differences in the blood clearance and immunogenicity of PEGylated uricase: A comparative 26-week toxicity study in rats and monkeys. <i>Life Sciences</i> , 2020, 255, 116892.	4.3	3

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73	Î» ³ -Iodane/Lewis Acid Mediated Intramolecular Cross-Nucleophile Coupling of Î²-Amino Acrylates: Chemodivergent Syntheses of Indole Alkaloidal Frameworks. <i>Organic Letters</i> , 2022, 24, 5381-5385.	4.6	3
74	Pharmacokinetic evaluation of dipfluzine and its three metabolites in rat plasma using liquid chromatographyâ€“mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 151-155.	2.3	2
75	Determination of PEGylation homogeneity of polyethylene glycolâ€“modified canine uricase. <i>Electrophoresis</i> , 2021, 42, 693-699.	2.4	2
76	QUALITATIVE AND QUANTITATIVE ANALYSIS OF 15 ACTIVE CONSTITUENTS IN JIWEILING FREEZE-DRIED POWDER BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 34, 1-17.	1.0	1
77	QUANTITATIVE ANALYSIS OF TEN DITERPENOIDS IN RAT BILE AFTER ORAL ADMINISTRATION OF <i>Isodon rubescens</i> EXTRACT BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1264-1279.	1.0	1
78	Simultaneous Quantification of Six Constituents in Qing-Huo-Zhi-Mai Tablet by High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2015, 53, 24-30.	1.4	1
79	Exploring in vivo metabolism and excretion of QO-58L using ultra-high-performance liquid chromatography coupled with tandem mass spectrometry. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 379-391.	4.0	1
80	A UHPLC-QTOF-MS/MS method with a superimposed multiple product ion strategy and esterase inhibitor improved sensitivity for the determination of xylocarpin H in rat plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 216, 114803.	2.8	1
81	Isolation, synthesis, identification of new process-related impurities in evocalcet. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 214, 114715.	2.8	0