

Yan Liang

List of Publications by Year in descending order

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47
papers

1,357
citations

361413

20
h-index

345221

36
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47
all docs

47
docs citations

47
times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Detection and Identification of Nontarget Components from Herbal Preparations by Liquid Chromatography Hybrid Ion Trap Time-of-Flight Mass Spectrometry and a Strategy. <i>Analytical Chemistry</i> , 2008, 80, 8187-8194.	6.5	117
2	Rapid identification of ophiopogonins and ophiopogonones in <i>Ophiopogon japonicus</i> extract with a practical technique of mass defect filtering based on high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1227, 234-244.	3.7	113
3	Diagnostic fragmentâ€ionâ€based extension strategy for rapid screening and identification of serial components of homologous families contained in traditional Chinese medicine prescription using highâ€resolution LCâ€ESIâ€ITâ€TOF/MS: <i>Shengmai injection</i> as an example. <i>Journal of Mass Spectrometry</i> , 2009, 44, 230-244.	1.6	101
4	Quantitative Analysis of Neurochemical Panel in Rat Brain and Plasma by Liquid Chromatographyâ€Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 10044-10051.	6.5	95
5	Dabigatran etexilate activation is affected by the CES1 genetic polymorphism G143E (rs71647871) and gender. <i>Biochemical Pharmacology</i> , 2016, 119, 76-84.	4.4	72
6	Recent Development in Liquid Chromatography/Mass Spectrometry and Emerging Technologies for Metabolite Identification. <i>Current Drug Metabolism</i> , 2011, 12, 329-344.	1.2	68
7	Integral pharmacokinetics of multiple lignan components in normal, CCl4-induced hepatic injury and hepatoprotective agents pretreated rats and correlations with hepatic injury biomarkers. <i>Journal of Ethnopharmacology</i> , 2010, 131, 290-299.	4.1	63
8	Chemicalome and Metabolome Matching Approach to Elucidating Biological Metabolic Networks of Complex Mixtures. <i>Analytical Chemistry</i> , 2012, 84, 2995-3002.	6.5	57
9	Qualitative and quantitative determination of complicated herbal components by liquid chromatography hybrid ion trap time-of-flight mass spectrometry and a relative exposure approach to herbal pharmacokinetics independent of standards. <i>Journal of Chromatography A</i> , 2010, 1217, 4971-4979.	3.7	51
10	Qualitatively and quantitatively investigating the regulation of intestinal microbiota on the metabolism of panax notoginseng saponins. <i>Journal of Ethnopharmacology</i> , 2016, 194, 324-336.	4.1	46
11	Development of a systematic approach to rapid classification and identification of notoginsenosides and metabolites in rat feces based on liquid chromatography coupled triple time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 867, 56-66.	5.4	37
12	Development of a Systematic Approach to Identify Metabolites for Herbal Homologs Based on Liquid Chromatography Hybrid Ion Trap Time-of-Flight Mass Spectrometry: Gender-Related Difference in Metabolism of <i>Schisandra</i> Lignans in Rats. <i>Drug Metabolism and Disposition</i> , 2010, 38, 1747-1759.	3.3	35
13	Effect of mobile phase additives on qualitative and quantitative analysis of ginsenosides by liquid chromatography hybrid quadrupole-time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1297, 29-36.	3.7	33
14	Association of Oseltamivir Activation with Gender and Carboxylesterase 1 Genetic Polymorphisms. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 555-561.	2.5	33
15	Pharmacokinetic Compatibility of Ginsenosides and Schisandra Lignans in Shengmai-san: From the Perspective of P-Glycoprotein. <i>PLoS ONE</i> , 2014, 9, e98717.	2.5	30
16	In vitro to in vivo evidence of the inhibitor characteristics of Schisandra lignans toward P-glycoprotein. <i>Phytomedicine</i> , 2013, 20, 1030-1038.	5.3	26
17	Comprehensive characterization of the in vitro and in vivo metabolites of ziyuglycoside I in rat microsome, intestinal flora, excretion specimen and fresh tissues based on LCâ€Q-TOF/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 191-200.	2.8	25
18	Targeted absolute quantitative proteomics with SILAC internal standards and unlabeled fullâ€length protein calibrators (TAQSI). <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 553-561.	1.5	24

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19	Influence of segmental and selected ion monitoring on quantitation of multi-component using high-pressure liquid chromatography-quadrupole mass spectrometry: Simultaneous detection of 16 saponins in rat plasma as a case. <i>Journal of Chromatography A</i> , 2010, 1217, 4501-4506.	3.7	22
20	Influence of peptide transporter 2 (PEPT2) on the distribution of cefadroxil in mouse brain: A microdialysis study. <i>Biochemical Pharmacology</i> , 2017, 131, 89-97.	4.4	21
21	Development and validation of an UFLC-MS/MS assay for the absolute quantitation of nine notoginsenosides in rat plasma: Application to the pharmacokinetic study of Panax Notoginseng Extract. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 995-996, 46-53.	2.3	20
22	Ginsenoside Rb1 exerts neuroprotective effects through regulation of <i>Lactobacillus helveticus</i> abundance and GABAA receptor expression. <i>Journal of Ginseng Research</i> , 2020, 44, 86-95.	5.7	20
23	Pharmacokinetic study based on a matrix-assisted laser desorption/ionization quadrupole ion trap time-of-flight imaging mass microscope combined with a novel relative exposure approach: A case of octreotide in mouse target tissues. <i>Analytica Chimica Acta</i> , 2017, 952, 71-80.	5.4	18
24	Systematically identifying the hepatoprotective ingredients of schisandra lignan extract from pharmacokinetic and pharmacodynamic perspectives. <i>Phytomedicine</i> , 2019, 53, 182-192.	5.3	18
25	Low Cerebral Exposure Cannot Hinder the Neuroprotective Effects of Panax Notoginsenosides. <i>Drug Metabolism and Disposition</i> , 2018, 46, 53-65.	3.3	17
26	Comparative analysis of constituents and metabolites for traditional Chinese medicine using IDA and SWATH data acquisition modes on LC-Q-TOF MS. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 588-596.	5.3	17
27	Exogenous glutathione exerts a therapeutic effect in ischemic stroke rats by interacting with intrastriatal dopamine. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 541-551.	6.1	15
28	Optimization and evaluation of MALDI TOF mass spectrometric imaging for quantification of orally dosed octreotide in mouse tissues. <i>Talanta</i> , 2017, 165, 128-135.	5.5	13
29	An integrated strategy for the quantitative analysis of endogenous proteins: A case of gender-dependent expression of P450 enzymes in rat liver microsome. <i>Talanta</i> , 2017, 170, 514-522.	5.5	13
30	Is the combinational administration of doxorubicin and glutathione a reasonable proposal?. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 699-709.	6.1	13
31	Global detection and identification of components from Yunnan Baiyao based on liquid chromatography hybrid ion trap time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2013, 36, 1935-1944.	2.5	12
32	Activated charcoal significantly improved the reliability of methods for quantitative analysis of endogenous substances in biological specimens: Glutathione and cysteine as cases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 241-250.	2.3	11
33	Multimics Profiling Reveals Protective Function of Schisandra Lignans against Acetaminophen-Induced Hepatotoxicity. <i>Drug Metabolism and Disposition</i> , 2020, 48, 1092-1103.	3.3	11
34	PK study of octreotide based on LC-MS/MS combining protein precipitation and impurity extraction technique. <i>Bioanalysis</i> , 2015, 7, 885-894.	1.5	10
35	Development of a novel sectional multiple filtering scheme for rapid screening and classifying metabolites of ziyuglycoside II in rat liver and excreta specimen based on high-resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 310-319.	2.8	10
36	Absolute quantitative analysis of endogenous neurotransmitters and amino acids by liquid chromatography-tandem mass spectrometry combined with multidimensional adsorption and collision energy defect. <i>Journal of Chromatography A</i> , 2021, 1638, 461867.	3.7	10

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37	The improved performance of MALDI-TOF MS on the analysis of herbal saponins by using DHB-GO composite matrix. <i>Journal of Mass Spectrometry</i> , 2019, 54, 684-692.	1.6	9
38	Bioanalytical assay development and validation for simultaneous quantification of five schisandra lignans in rat primary hepatocytes based on LC-MS/MS: application to a real-time uptake study for Schisandra Lignan Extract. <i>Biomedical Chromatography</i> , 2017, 31, e3797.	1.7	7
39	Pharmacokinetic and pharmacodynamic evidence for developing an oral formulation of octreotide against gastric mucosal injury. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1373-1385.	6.1	7
40	An auxiliary matrix for routine analysis of small molecules and biological macromolecules using matrix-assisted laser desorption ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1041-1052.	3.7	7
41	Development and validation of a quantification method for ziyuglycoside I and II in rat plasma: Application to their pharmacokinetic studies. <i>Journal of Separation Science</i> , 2015, 38, 2340-2347.	2.5	6
42	Insights into the Authentic Active Ingredients and Action Sites of Oral Exogenous Glutathione in the Treatment of Ischemic Brain Injury Based on Pharmacokinetic-Pharmacodynamic Studies. <i>Drug Metabolism and Disposition</i> , 2020, 48, 52-62.	3.3	6
43	Global analysis of qualitative and quantitative metabolism of Notoginsenoside R1 in rat liver-brain-gut axis based on LC-IT-TOF/MS combing mMDF strategy. <i>Phytomedicine</i> , 2022, 104, 154261.	5.3	5
44	Experimental Evidence for Ion Accumulation Time Affecting Qualitative and Quantitative Analysis of Ophiopogons in Ophiopogon Extract by Hybrid Ion Trap Time-of-Flight Mass Spectrometry. <i>Chromatographia</i> , 2013, 76, 949-958.	1.3	4
45	The metabolic and pharmacokinetic studies for HM-3 in rats based on LC-Q-TOF/MS and LC-MS/MS combing a convenient biological sample processing method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 68-75.	2.3	4
46	Appropriate choice of collision-induced dissociation energy for qualitative analysis of notoginsenosides based on liquid chromatography hybrid ion trap time-of-flight mass spectrometry. <i>Chinese Journal of Natural Medicines</i> , 2016, 14, 278-285.	1.3	4
47	A robust LC-MS/MS method for the determination of pidotimod in different biological matrixes and its application to in vivo and in vitro pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1023-1024, 36-43.	2.3	1