

zhao-ying Liu

List of Publications by Year in descending order

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69
papers

1,140
citations

471371

17
h-index

477173

29
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69
all docs

69
docs citations

69
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural variation in the <i>HAN1</i> gene confers chilling tolerance in rice and allowed adaptation to a temperate climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3494-3501.	3.3	139
2	Medicinal plants of the genus <i>Macleaya</i> (<i>Macleaya cordata</i> , <i>Macleaya</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Research</i> , 2018, 32, 19-48.	2.8	63
3	Metabolism of mequindox in liver microsomes of rats, chicken and pigs. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 909-918.	0.7	54
4	Metabolism of olaquindox in rat liver microsomes: structural elucidation of metabolites by high-performance liquid chromatography combined with ion trap/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1009-1016.	0.7	51
5	Metabolism of cyadox in rat, chicken and pig liver microsomes and identification of metabolites by accurate mass measurements using electrospray ionization hybrid ion trap/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2026-2034.	0.7	48
6	Application of electrospray ionization hybrid ion trap/time-of-flight mass spectrometry in the rapid characterization of quinocetone metabolites formed in vitro. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1259-1271.	1.9	43
7	The metabolism and N-oxide reduction of olaquindox in liver preparations of rats, pigs and chicken. <i>Toxicology Letters</i> , 2010, 195, 51-59.	0.4	40
8	The critical role of oxidative stress in the toxicity and metabolism of quinoxaline 1,4-di-N-oxides in vitro and in vivo. <i>Drug Metabolism Reviews</i> , 2016, 48, 159-182.	1.5	36
9	Whole-genome sequencing and analysis of the Chinese herbal plant <i>Gelsemium elegans</i> . <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 374-382.	5.7	29
10	An introduction to hybrid ion trap/time-of-flight mass spectrometry coupled with liquid chromatography applied to drug metabolism studies. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1627-1642.	0.7	27
11	Fingerprint analysis of <i>Gelsemium elegans</i> by HPLC followed by the targeted identification of chemical constituents using HPLC coupled with quadrupole-time-of-flight mass spectrometry. <i>FÄ-toterapÄ-Äç</i> , 2017, 121, 94-105.	1.1	24
12	Pharmacokinetics of sanguinarine, chelerythrine, and their metabolites in broiler chickens following oral and intravenous administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 197-206.	0.6	23
13	Koumine Alleviates Lipopolysaccharide-Induced Intestinal Barrier Dysfunction in IPEC-J2 Cells by Regulating Nrf2/NF- κ B Pathway. <i>The American Journal of Chinese Medicine</i> , 2020, 48, 127-142.	1.5	23
14	The metabolism of olaquindox in rats, chickens and pigs. <i>Toxicology Letters</i> , 2011, 200, 24-33.	0.4	22
15	Comprehensive identification and structural characterization of target components from <i>Gelsemium elegans</i> by high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry based on accurate mass databases combined with MS/MS spectra. <i>Journal of Mass Spectrometry</i> , 2017, 52, 378-396.	0.7	22
16	The ethnopharmacology, phytochemistry, pharmacology and toxicology of genus <i>Albizia</i> : A review. <i>Journal of Ethnopharmacology</i> , 2020, 257, 112677.	2.0	21
17	Identification of sanguinarine metabolites in pig liver preparations by accurate mass measurements using electrospray ionization hybrid ion trap/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 979-984.	0.7	20
18	An integrated method for degradation products detection and characterization using hybrid ion trap/time-of-flight mass spectrometry and data processing techniques: Application to study of the degradation products of danofloxacin under stressed conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2475-2486.	1.9	18

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19	Characterization of <i>in vitro</i> metabolites of trimethoprim and diaveridine in pig liver microsomes by liquid chromatography combined with hybrid ion trap/time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2012, 26, 1101-1108.	0.8	18
20	Identification of carbadox metabolites formed by liver microsomes from rats, pigs and chickens using high-performance liquid chromatography combined with hybrid ion trap/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 341-348.	0.7	17
21	Development and in-house validation of a sensitive LC-MS/MS method for simultaneous quantification of gelsemine, koumine and humantenmine in porcine plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1076, 54-60.	1.2	17
22	An integrated strategy toward comprehensive characterization and quantification of multiple components from herbal medicine: An application study in <i>Gelsemium elegans</i> . <i>Chinese Herbal Medicines</i> , 2021, 13, 17-32.	1.2	17
23	Structural elucidation of koumine metabolites by accurate mass measurements using high-performance liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 309-314.	0.7	16
24	Identification of gelsemine metabolites in rat liver S9 by high-performance liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 19-22.	0.7	16
25	Hepatoprotective Effect of the Ethanol Extract of <i>Illicium henryi</i> against Acute Liver Injury in Mice Induced by Lipopolysaccharide. <i>Antioxidants</i> , 2019, 8, 446.	2.2	16
26	A novel two-dimensional liquid chromatography system for the simultaneous determination of three monoterpene indole alkaloids in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3857-3870.	1.9	16
27	Sanguinarine metabolism and pharmacokinetics study in vitro and in vivo. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 208-214.	0.6	16
28	Reductive metabolism of the sanguinarine iminium bond by rat liver preparations. <i>Pharmacological Reports</i> , 2013, 65, 1391-1400.	1.5	15
29	BCL2 promotor methylation and miR-15a/16-1 upregulation is associated with sanguinarine-induced apoptotic death in rat HSC-T6 cells. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 135-144.	1.1	15
30	Identification of allocryptopine and protopine metabolites in rat liver S9 by high-performance liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1549-1559.	0.7	15
31	Pharmacokinetic Study of Multiple Components of <i>Gelsemium elegans</i> in Goats by Ultra-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2020, 44, 378-390.	1.7	15
32	Stability of extemporaneous erlotinib, lapatinib, and imatinib oral suspensions. <i>American Journal of Health-System Pharmacy</i> , 2016, 73, 1331-1337.	0.5	13
33	Characterization of absorbed and produced constituents in goat plasma urine and faeces from the herbal medicine <i>Gelsemium elegans</i> by using high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Journal of Ethnopharmacology</i> , 2020, 252, 112617.	2.0	13
34	Effect of Danofloxacin on Reactive Oxygen Species Production, Lipid Peroxidation and Antioxidant Enzyme Activities in Kidney Tubular Epithelial Cell Line, LLC-PK1. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 113, 377-384.	1.2	12
35	Rapid annotation and structural characterization of saponins in the active fraction of <i>Albizia julibrissin</i> by high-performance liquid chromatography coupled with quadrupole time of flight mass spectrometry based on accurate mass database. <i>Journal of Separation Science</i> , 2019, 42, 2922-2941.	1.3	12
36	An analytical strategy to explore the multicomponent pharmacokinetics of herbal medicine independently of standards: Application in <i>Gelsemium elegans</i> extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 176, 112833.	1.4	12

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37	Biotransformation and tissue distribution of protopine and allocryptopine and effects of Plume Poppy Total Alkaloid on liver drug-metabolizing enzymes. <i>Scientific Reports</i> , 2018, 8, 537.	1.6	11
38	Integration of Metabolomics and Transcriptomics to Comprehensively Evaluate the Metabolic Effects of <i>Gelsemium elegans</i> on Pigs. <i>Animals</i> , 2021, 11, 1192.	1.0	10
39	Metabolism and Tissue Distribution of Chelerythrine and Effects of <i>Macleaya Cordata</i> Extracts on Liver NAD(P)H Quinone Oxidoreductase. <i>Frontiers in Veterinary Science</i> , 2021, 8, 659771.	0.9	10
40	The Metabolism and Disposition of Koumine, Gelsemine and Humantenmine from <i>Gelsemium</i> . <i>Current Drug Metabolism</i> , 2019, 20, 583-591.	0.7	10
41	Suppressive Effects of Gelsemine on Anxiety-like Behaviors Induced by Chronic Unpredictable Mild Stress in Mice. <i>Brain Sciences</i> , 2022, 12, 191.	1.1	9
42	Development of a Rapid Method for the Confirmatory Analysis of Flunixin Residue in Animal Tissues Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2015, 8, 352-362.	1.3	8
43	A novel C radical-radical coupling reaction promoted by visible light: facile synthesis of 6-substituted N-methyl 5,6-dihydrobenzophenanthridine alkaloids. <i>RSC Advances</i> , 2016, 6, 50500-50505.	1.7	8
44	NQO1 involves in the imine bond reduction of sanguinarine and recombinant adeno-associated virus mediated NQO1 overexpression decreases sanguinarine-induced cytotoxicity in rat BRL cells. <i>Toxicology Letters</i> , 2014, 225, 119-129.	0.4	7
45	Comparative metabolism of gelsenicine in liver microsomes from humans, pigs, goats and rats. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8843.	0.7	7
46	Comparative toxicokinetic profiles of multiple-components of <i>Gelsemium elegans</i> in pigs and rats after a single oral administration. <i>Toxicol</i> , 2020, 181, 28-35.	0.8	7
47	Simultaneous determination of five amino acid neurotransmitters in rat and porcine blood and brain by two-dimensional liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122507.	1.2	7
48	In vitro biotransformation and investigation of metabolic enzymes possibly responsible for the metabolism of bisdesoxyolaquinoxin in the liver fractions of rats, chicken, and pigs. <i>Toxicology</i> , 2011, 279, 155-166.	2.0	6
49	Systematic identification of compounds in <i>Macleaya microcarpa</i> by high-performance liquid chromatography/quadrupole time-of-flight tandem mass spectrometry combined with mass spectral fragmentation behavior of <i>Macleaya</i> alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8715.	0.7	6
50	Excretion, Metabolism, and Tissue Distribution of <i>Gelsemium elegans</i> (Gardn. & Champ.) Benth in Pigs. <i>Molecules</i> , 2022, 27, 2605.	1.7	6
51	Characterization of in vitro metabolites of three tetrahydroprotoberberine alkaloids in rat liver S9 by high-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1540-1548.	0.7	5
52	Development of a sensitive and rapid UHPLC-MS/MS method for simultaneous quantification of nine compounds in rat plasma and application in a comparative pharmacokinetic study after oral administration of Xuefu Zhuyu Decoction and nimodipine. <i>Biomedical Chromatography</i> , 2020, 34, e4872.	0.8	5
53	A comprehensive toxicity evaluation in rats after long-term oral <i>Gelsemium elegans</i> exposure. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111284.	2.5	5
54	Phosphoproteomics reveals NMDA receptor-mediated excitotoxicity as a key signaling pathway in the toxicity of gelsenicine. <i>Food and Chemical Toxicology</i> , 2021, 156, 112507.	1.8	5

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55	Characterization of <i>N</i> -methylcanadine and <i>N</i> -methylstylophine metabolites in rat liver S9 by high-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 2047-2054.	0.7	4
56	Characterization of gelsevirine metabolites in rat liver S9 by accurate mass measurements using high-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1179-1184.	0.7	4
57	Pharmacokinetics of Chelerythrine and Its Metabolite after Oral and Intramuscular Administrations in Pigs. <i>Xenobiotica</i> , 2021, 51, 1-24.	0.5	4
58	Toxicity assessment of gelsenicine and the search for effective antidotes. <i>Human and Experimental Toxicology</i> , 2022, 41, 096032712110628.	1.1	4
59	The metabolism of gelsevirine in human, pig, goat and rat liver microsomes. <i>Veterinary Medicine and Science</i> , 2021, 7, 2086-2092.	0.6	3
60	In vitro Metabolism of Humantenine in Liver Microsomes from Human, Pig, Goat and Rat. <i>Current Drug Metabolism</i> , 2021, 22, 795-7801.	0.7	3
61	Sex differences in the pharmacokinetics and tissue residues of <i>Macleaya cordata</i> extracts in rats. <i>Xenobiotica</i> , 2022, 52, 46-53.	0.5	3
62	Determination of Baclofen Residue in Muscle, Liver, Kidney and Fat of Swine by Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 3866-3873.	1.3	2
63	Gene expression profile analysis of ileum transcriptomes in pigs fed <i>Gelsemium elegans</i> plants. <i>Scientific Reports</i> , 2019, 9, 15756.	1.6	2
64	The Difference in Cytotoxic Activity between Two Optical Isomers of Gelsemine from <i>Gelsemium elegans</i> Benth. on PC12 Cells. <i>Molecules</i> , 2019, 24, 2004.	1.7	2
65	Metabolic profile and tissue distribution of Humantenirine, an oxindole alkaloid from <i>Gelsemium</i> , after oral administration in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1181, 122901.	1.2	2
66	The characteristics of population structure and antimicrobial resistance of <i>Streptococcus suis</i> serotype 8, a non-negligible pathotype. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	1
67	Transcriptional Profile of CYP3As and Functional Expression of CYP3A29 from Piglets. , 2009, , .		0
68	A High Resolution Mass Spectrometric Approach to a Qualitative and Quantitative Comparative Metabolism of the Humantenine-type alkaloid Rankinidine. <i>Rapid Communications in Mass Spectrometry</i> , 2022, , e9302.	0.7	0
69	A proteomics study of the subacute toxicity of rat brain after long-term exposure of <i>Gelsemium elegans</i> . <i>Current Molecular Pharmacology</i> , 2021, 14, .	0.7	0