

# Chenggang Huang

## List of Publications by Year in descending order

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62  
papers

1,301  
citations

304368

22  
h-index

395343

33  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural elucidation and protective role of a polysaccharide from <i>Sargassum fusiforme</i> on ameliorating learning and memory deficiencies in mice. <i>Carbohydrate Polymers</i> , 2016, 139, 150-158.	5.1	93
2	Metabolism and Pharmacokinetics of Mangiferin in Conventional Rats, Pseudo-Germ-Free Rats, and Streptozotocin-Induced Diabetic Rats. <i>Drug Metabolism and Disposition</i> , 2012, 40, 2109-2118.	1.7	66
3	In Vivo and in Vitro Antiviral Activities of Calycosin-7-O-.BETA.-D-glucopyranoside against Coxsackie Virus B3. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 68-73.	0.6	62
4	Structure elucidation of in vivo and in vitro metabolites of mangiferin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 1075-1082.	1.4	57
5	Analysis and detection of the chemical constituents of <i>Radix Polygalae</i> and their metabolites in rats after oral administration by ultra high-performance liquid chromatography coupled with electrospray ionization quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 1-13.	1.4	56
6	A comprehensive study of pomegranate flowers polyphenols and metabolites in rat biological samples by high-performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1604, 460472.	1.8	54
7	Systematic screening and characterization of the major bioactive components of <i>Poria cocos</i> and their metabolites in rats by LC-ESI-MS/MS. <i>Biomedical Chromatography</i> , 2012, 26, 1109-1117.	0.8	50
8	Identification of major alkaloids and steroidal saponins in rat serum by HPLC-diode array detection-MS/MS following oral administration of Huangbai-Zhimu herb pair Extract. <i>Biomedical Chromatography</i> , 2008, 22, 835-850.	0.8	44
9	Identification of major xanthenes and steroidal saponins in rat urine by liquid chromatography-atmospheric pressure chemical ionization mass spectrometry technology following oral administration of <i>Rhizoma Anemarrhenae</i> decoction. <i>Biomedical Chromatography</i> , 2008, 22, 1066-1083.	0.8	43
10	Smart Soup, a Traditional Chinese Medicine Formula, Ameliorates Amyloid Pathology and Related Cognitive Deficits. <i>PLoS ONE</i> , 2014, 9, e111215.	1.1	39
11	Isolation, identification and antiviral activities of metabolites of calycosin-7-O- $\beta$ -d-glucopyranoside. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 382-389.	1.4	37
12	Study on the PK profiles of magnoflorine and its potential interaction in <i>Cortex phellodendri</i> decoction by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 841-849.	1.9	36
13	HPLC-Q-TOF-MS/MS for analysis of major chemical constituents of <i>Yinchen-Zhizi</i> herb pair extract. <i>Biomedical Chromatography</i> , 2014, 28, 475-485.	0.8	34
14	Metabolite Identification of Myricetin in Rats Using HPLC Coupled with ESI-MS. <i>Chromatographia</i> , 2012, 75, 655-660.	0.7	29
15	Determining the protective effects of Yin-Chen-Hao Tang against acute liver injury induced by carbon tetrachloride using 16S rRNA gene sequencing and LC/MS-based metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 567-577.	1.4	29
16	Fragmentation patterns study of iridoid glycosides in <i>Fructus Gardeniae</i> by HPLC-Q/TOF-MS/MS. <i>Biomedical Chromatography</i> , 2014, 28, 1795-1807.	0.8	26
17	Systematic and comprehensive strategy for metabolite profiling in bioanalysis using software-assisted HPLC-Q-TOF: magnoflorine as an example. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2239-2254.	1.9	26
18	Structural investigation and immunological activity of a heteropolysaccharide from <i>Sargassum fusiforme</i> . <i>Carbohydrate Research</i> , 2014, 390, 28-32.	1.1	25

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19	The Hepatobiliary Disposition of Timosaponin B2 Is Highly Dependent on Influx/Efflux Transporters but Not Metabolism. <i>Drug Metabolism and Disposition</i> , 2015, 43, 63-72.	1.7	24
20	Pharmacokinetics of mangiferin and its metabolite norathyriol, Part 2: Influence of UGT, CYP450, P-gp, and enterobacteria and the potential interaction in Rhizoma Anemarrhenae decoction with timosaponin B2 as the major contributor. <i>BioFactors</i> , 2016, 42, 545-555.	2.6	24
21	Pharmacokinetics of mangiferin and its metabolite norathyriol, Part 1: Systemic evaluation of hepatic first-pass effect <i>in vitro</i> and <i>in vivo</i> . <i>BioFactors</i> , 2016, 42, 533-544.	2.6	24
22	Simultaneous determination of eight bioactive compounds by LC-MS/MS and its application to the pharmacokinetics, liver first-pass effect, liver and brain distribution of orally administrated Gouteng-Baitouweng (GB) in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1084, 122-131.	1.2	23
23	Comprehensive Evaluation of the Metabolism of Genipin-1 $\beta$ -gentiobioside <i>In Vitro</i> and <i>In Vivo</i> by Using HPLC-Q-TOF. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5490-5498.	2.4	22
24	Exploration of the hepatoprotective chemical base of an orally administered herbal formulation (YCHT) in normal and CCl <sub>4</sub> -intoxicated liver injury rats. Part 2: Hepatic disposition <i>in vivo</i> and hepatoprotective activity <i>in vitro</i> . <i>Journal of Ethnopharmacology</i> , 2019, 236, 161-172.	2.0	21
25	Metabolic profiling analysis of corilagin <i>in vivo</i> and <i>in vitro</i> using high-performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 251-260.	1.4	21
26	Qualitative and quantitative analysis of the major constituents in <i>Acorus tatarinowii</i> Schott by HPLC/ESI-QTOF-MS/MS. <i>Biomedical Chromatography</i> , 2015, 29, 890-901.	0.8	17
27	Metabonomics Study on the Hepatoprotective Effect of <i>Panax notoginseng</i> Leaf Saponins Using UPLC/Q-TOF-MS Analysis. <i>The American Journal of Chinese Medicine</i> , 2019, 47, 559-575.	1.5	17
28	Analysis of Multiple Constituents in Congmingtang, a Chinese Herbal Formula for the Treatment of Amnesia, by High-performance Liquid Chromatography with Quadrupole Time-of-flight Mass Spectrometry. <i>Phytochemical Analysis</i> , 2013, 24, 677-688.	1.2	15
29	A practical method for the rapid detection and structural characterization of major constituents from traditional Chinese medical formulas: analysis of multiple constituents in Yinchenhao Decoction. <i>Analytical Methods</i> , 2015, 7, 4678-4690.	1.3	15
30	The rapid antidepressant and anxiolytic-like effects of YY-21 involve enhancement of excitatory synaptic transmission via activation of mTOR signaling in the mPFC. <i>European Neuropsychopharmacology</i> , 2016, 26, 1087-1098.	0.3	15
31	Metabolism and tissue distribution study of Vaccaria seeds (Wang-Bu-Liu-Xing) in benign prostatic hyperplasia model rat: Toward an in-depth study for its bioactive components. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 218-230.	1.4	14
32	In Vivo Metabolism Study of Timosaponin BIII in Rat Using HPLC-QTOF-MS/MS. <i>Chromatographia</i> , 2014, 77, 853-858.	0.7	14
33	Rapid characterization and determination of multiple components in Bu-shen-yi-qi-fang by high-performance liquid chromatography coupled to electrospray ionization and quadrupole time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2014, 37, 3509-3517.	1.3	14
34	Cytotoxic activities of chemical constituents from rhizomes of <i>Anemarrhena asphodeloides</i> and their analogues. <i>Archives of Pharmacal Research</i> , 2015, 38, 598-603.	2.7	14
35	Absorption, Metabolism, and Pharmacokinetics Profiles of Norathyriol, an Aglycone of Mangiferin, in Rats by HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12227-12235.	2.4	14
36	Enhanced Anti-diabetic Effect of Berberine Combined With Timosaponin B2 in Goto-Kakizaki Rats, Associated With Increased Variety and Exposure of Effective Substances Through Intestinal Absorption. <i>Frontiers in Pharmacology</i> , 2019, 10, 19.	1.6	13

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37	Identification of multiple constituents from seed of <i>Vaccaria segetalis</i> with an adsorbent-separation strategy based on liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1243-1257.	0.7	12
38	Identifying the active components of Baihe-Zhimu decoction that ameliorate depressive disease by an effective integrated strategy: a systemic pharmacokinetics study combined with classical depression model tests. <i>Chinese Medicine</i> , 2019, 14, 37.	1.6	12
39	Anti-depressive activities and biotransformation of timosaponin B-III and its derivatives. <i>Natural Product Research</i> , 2014, 28, 1446-1453.	1.0	11
40	Metabolism studies of casticin in rats using HPLC-ESI-MS. <i>Biomedical Chromatography</i> , 2012, 26, 1502-1508.	0.8	10
41	Identification of the Major Constituents in Zhimu-Huangqi Herb-Pair Extract and Their Metabolites in Rats by LC-ESI-MS. <i>Chromatographia</i> , 2013, 76, 767-780.	0.7	10
42	In-vivo and In-vitro Metabolism Study of Timosaponin B-II Using HPLC-ESI-MS. <i>Chromatographia</i> , 2015, 78, 1175-1184.	0.7	10
43	Absorption, liver first-pass effect, pharmacokinetics and tissue distribution of calycosin-7-O- $\beta$ -D-glucopyranoside (C7G) and its major active metabolite, calycosin, following oral administration of C7G in rats by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 350-354.	1.4	10
44	A sensitive HPLC-MS/MS method for the simultaneous determination of anemoside B4, anemoside A3 and 23-hydroxybetulinic acid: Application to the pharmacokinetics and liver distribution of <i>Pulsatilla chinensis</i> saponins. <i>Biomedical Chromatography</i> , 2018, 32, e4124.	0.8	10
45	Exploration of the hepatoprotective chemical base of an orally administered herbal formulation (YCHT) in normal and CCl <sub>4</sub> -intoxicated liver injury rats. Part 1: Metabolic profiles from the liver-centric perspective. <i>Journal of Ethnopharmacology</i> , 2019, 237, 81-91.	2.0	10
46	Material basis studies of anti-influenza A active ingredients in Tanreqing Injection. <i>Biomedical Chromatography</i> , 2018, 32, e4097.	0.8	9
47	Characterization of multiple absorbed constituents in rats after oral administration of <i>Paederia scandens</i> decoction. <i>Biomedical Chromatography</i> , 2012, 26, 863-868.	0.8	8
48	Systematic investigation on the anti-rheumatoid arthritis material basis and mechanism of Juan Bi Tang. Part 1: Integrating metabolic profiles and network pharmacology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114133.	1.4	7
49	New Saponins from Timosaponin BIII by Acid Hydrolysis. <i>Asian Journal of Chemistry</i> , 2013, 25, 2503-2505.	0.1	6
50	Determination of the antidiabetic chemical basis of <i>Phellodendri Chinensis</i> Cortex by integrating hepatic disposition in vivo and hepatic gluconeogenesis inhibition in vitro. <i>Journal of Ethnopharmacology</i> , 2020, 263, 113215.	2.0	6
51	Systematic investigation on the chemical basis of anti-NAFLD Qushi Huayu Fang. Part 1: A study of metabolic profiles in vivo and in vitro by high-performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2020, 34, e4805.	0.8	6
52	In vivo metabolism study of vaccarin in rat using HPLC-LTQ-MS. <i>Biomedical Chromatography</i> , 2013, 27, 96-101.	0.8	5
53	Identification of the Major Components of Resina Draconis Extract and Their Metabolites in Rat Urine by LC-ESI-MS. <i>Chromatographia</i> , 2013, 76, 1131-1139.	0.7	5
54	Evaluation of the chemical consistency of Yin-Chen-Hao-Tang prepared by combined and separated decoction methods using high-performance liquid chromatography and quadrupole time-of-flight mass spectrometry coupled with multivariate statistical analysis. <i>Journal of Separation Science</i> , 2019, 42, 1664-1675.	1.3	5

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55	<i>In Vivo</i> Efficacy and Metabolism of the Antimalarial Cycleanine and Improved <i>In Vitro</i> Antiplasmodial Activity of Semisynthetic Analogues. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	5
56	Identification of the absorbed ingredients and metabolites in rats after an intravenous administration of Tanreqing injection using high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Journal of Separation Science</i> , 2021, 44, 2097-2112.	1.3	5
57	Characterization and Identification of Major Constituents in Baihe Zhimu Decoction by HPLC-MSn. <i>Asian Journal of Chemistry</i> , 2013, 25, 8976-8980.	0.1	3
58	Huangjinsan ameliorates adenine-induced chronic kidney disease by regulating metabolic profiling. <i>Journal of Separation Science</i> , 2021, 44, 4384-4394.	1.3	3
59	QUALITY ASSESSMENT FOR PORTULACA OLERACEA BY MULTI-COMPONENT QUANTIFICATION, CHROMATOGRAPHIC FINGERPRINT AND RELATED CHEMOMETRIC ANALYSIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 2655-2668.	0.5	2
60	<i>In vivo</i> metabolism study of polygalic acid in rat using HPLC-ESI-MS <sup>n</sup> . <i>Biomedical Chromatography</i> , 2012, 26, 220-224.	0.8	1
61	Simultaneous Quantification of Four Compounds in Rat Plasma by HPLC-MS/MS and Its Application to Pharmacokinetic Study after Oral Administration of Pomegranate Flowers. <i>Journal of Chromatographic Science</i> , 2022, 60, 348-356.	0.7	1
62	Intestinal Glucuronidation, Prior to Hepatic Glucuronidation, Plays an Important Role in the Low Circulating Levels of Calycosin. <i>Separations</i> , 2022, 9, 115.	1.1	0