

Jun Xu

List of Publications by Year in descending order

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63
papers

2,112
citations

257450

24
h-index

254184

43
g-index

64
all docs

64
docs citations

64
times ranked

2302
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a laminarin-type β - $(1\rightarrow3)$ -glucan from brown algae <i>Sargassum henslowianum</i> and its potential on regulating gut microbiota. <i>Carbohydrate Polymers</i> , 2021, 255, 117389.	10.2	34
2	Ginseng ameliorates exercise-induced fatigue potentially by regulating the gut microbiota. <i>Food and Function</i> , 2021, 12, 3954-3964.	4.6	30
3	Structural analogues in herbal medicine ginseng hit a shared target to achieve cumulative bioactivity. <i>Communications Biology</i> , 2021, 4, 549.	4.4	5
4	Synergistic effects of autophagy/mitophagy inhibitors and magnolol promote apoptosis and antitumor efficacy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3966-3982.	12.0	28
5	Stronger anti-obesity effect of white ginseng over red ginseng and the potential mechanisms involving chemically structural/compositional specificity to gut microbiota. <i>Phytomedicine</i> , 2020, 74, 152761.	5.3	23
6	Qualitative and quantitative characterization of carbohydrate profiles in three different parts of <i>Poria cocos</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 113009.	2.8	23
7	Scutellariae radix and coptidis rhizoma ameliorate glycolipid metabolism of type 2 diabetic rats by modulating gut microbiota and its metabolites. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 303-317.	3.6	112
8	Effects of sulfur fumigation and heating desulfurization on quality of medicinal herbs evaluated by metabolomics and glycomics: <i>Codonopsis Radix</i> , a pilot study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113581.	2.8	13
9	A novel inulin-type fructan from <i>Asparagus cochinchinensis</i> and its beneficial impact on human intestinal microbiota. <i>Carbohydrate Polymers</i> , 2020, 247, 116761.	10.2	54
10	Characterization of Chemical Component Variations in Different Growth Years and Tissues of <i>Morindae Officinalis Radix</i> by Integrating Metabolomics and Glycomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7304-7314.	5.2	10
11	Comparative quality of the forms of decoction pieces evaluated by multidimensional chemical analysis and chemometrics: <i>Poria cocos</i> , a pilot study. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 766-777.	1.9	12
12	Comparative analysis of the main active components and hypoglycemic effects after the compatibility of <i>Scutellariae Radix</i> and <i>Coptidis Rhizoma</i> . <i>Journal of Separation Science</i> , 2019, 42, 1520-1527.	2.5	9
13	Independent or integrative processing approach of metabolite datasets from different biospecimens potentially affects metabolic pathway recognition in metabolomics. <i>Journal of Chromatography A</i> , 2019, 1587, 146-154.	3.7	7
14	Less SO ₂ residue may not indicate higher quality, better efficacy and weaker toxicity of sulfur-fumigated herbs: Ginseng, a pilot study. <i>Journal of Hazardous Materials</i> , 2019, 364, 376-387.	12.4	20
15	Comprehensive quality evaluation and comparison of <i>Angelica sinensis radix</i> and <i>Angelica acutiloba radix</i> by integrated metabolomics and glycomics. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1122-1137.	1.9	21
16	Impact of sulphur fumigation on the chemistry of ginger. <i>Food Chemistry</i> , 2018, 239, 953-963.	8.2	25
17	UPLC-QTOF-MS/MS-guided isolation and purification of sulfur-containing derivatives from sulfur-fumigated edible herbs, a case study on ginseng. <i>Food Chemistry</i> , 2018, 246, 202-210.	8.2	29
18	Laser microdissection hyphenated with high performance gel permeation chromatography-charged aerosol detector and ultra performance liquid chromatography-triple quadrupole mass spectrometry for histochemical analysis of polysaccharides in herbal medicine: Ginseng, a case study. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 332-342.	7.5	14

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19	Qualitatively and quantitatively comparing secondary metabolites in three medicinal parts derived from <i>Poria cocos</i> (Schw.) Wolf using UHPLC-QTOF-MS/MS-based chemical profiling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 278-286.	2.8	44
20	Time segment scanning-based quasi-multiple reaction monitoring mode by ultra-performance liquid chromatography coupled with quadrupole/time-of-flight mass spectrometry for quantitative determination of herbal medicines: Moutan Cortex, a case study. <i>Journal of Chromatography A</i> , 2018, 1581-1582, 33-42.	3.7	17
21	Correlation between Quality and Geographical Origins of <i>Poria cocos</i> Revealed by Qualitative Fingerprint Profiling and Quantitative Determination of Triterpenoid Acids. <i>Molecules</i> , 2018, 23, 2200.	3.8	31
22	Integrating Targeted and Untargeted Metabolomics to Investigate the Processing Chemistry of <i>Polygoni Multiflori Radix</i> . <i>Frontiers in Pharmacology</i> , 2018, 9, 934.	3.5	26
23	Tissue-Specific Analysis of Secondary Metabolites Creates a Reliable Morphological Criterion for Quality Grading of <i>Polygoni Multiflori Radix</i> . <i>Molecules</i> , 2018, 23, 1115.	3.8	10
24	Simultaneous determination of the bioactive components in rat plasma by UPLC-MS/MS and application in pharmacokinetic studies after oral administration of <i>radix Scutellariae</i> extract. <i>Biomedical Chromatography</i> , 2017, 31, e3961.	1.7	8
25	Qualitative and quantitative characterization of secondary metabolites and carbohydrates in Bai-Hu-Tang using ultraperformance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry and ultraperformance liquid chromatography coupled with photodiode array detector. <i>Journal of Food and Drug Analysis</i> , 2017, 25, 946-959.	1.9	13
26	Effects of boiling duration in processing of White Paeony Root on its overall quality evaluated by ultra-high performance liquid chromatography quadrupole/time-of-flight mass spectrometry based metabolomics analysis and high performance liquid chromatography quantification. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 62-70.	1.3	7
27	Synchronous characterization of carbohydrates and ginsenosides yields deeper insights into the processing chemistry of ginseng. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 59-70.	2.8	16
28	Understanding the Molecular Mechanisms of the Interplay Between Herbal Medicines and Gut Microbiota. <i>Medicinal Research Reviews</i> , 2017, 37, 1140-1185.	10.5	241
29	Chemomics-based marker compounds mining and mimetic processing for exploring chemical mechanisms in traditional processing of herbal medicines, a continuous study on <i>Rehmanniae Radix</i> . <i>Journal of Chromatography A</i> , 2017, 1530, 232-240.	3.7	32
30	Ultrasound-Assisted Extraction May Not Be a Better Alternative Approach than Conventional Boiling for Extracting Polysaccharides from Herbal Medicines. <i>Molecules</i> , 2016, 21, 1569.	3.8	12
31	Full component analysis of Tianma-Gouteng-Yin. <i>Chinese Medicine</i> , 2016, 11, 44.	4.0	8
32	Gut microbiota-involved mechanisms in enhancing systemic exposure of ginsenosides by coexisting polysaccharides in ginseng decoction. <i>Scientific Reports</i> , 2016, 6, 22474.	3.3	132
33	HSCCC-based strategy for preparative separation of in vivo metabolites after administration of an herbal medicine: <i>Saussurea laniceps</i> , a case study. <i>Scientific Reports</i> , 2016, 6, 33036.	3.3	18
34	Integrating targeted glycomics and untargeted metabolomics to investigate the processing chemistry of herbal medicines, a case study on <i>Rehmanniae Radix</i> . <i>Journal of Chromatography A</i> , 2016, 1472, 74-87.	3.7	53
35	UPLC-QTOF-MS based metabolomics coupled with the diagnostic ion exploration strategy for rapidly evaluating sulfur-fumigation caused holistic quality variation in medicinal herbs, Moutan Cortex as an example. <i>Analytical Methods</i> , 2016, 8, 1034-1043.	2.7	15
36	Sulfur dioxide residue in sulfur-fumigated edible herbs: The fewer, the safer?. <i>Food Chemistry</i> , 2016, 192, 119-124.	8.2	28

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37	UPLC-Q-TOF/MS-based screening and identification of the main flavonoids and their metabolites in rat bile, urine and feces after oral administration of <i>Scutellaria baicalensis</i> extract. <i>Journal of Ethnopharmacology</i> , 2015, 169, 156-162.	4.1	51
38	UPLC-MS based metabolite profiles of two major bioactive components in herb pair <i>scutellaria</i> and <i>coptis</i> metabolized by intestinal bacteria derived from healthy rats and rats with type 2 diabetes. <i>Analytical Methods</i> , 2015, 7, 5574-5582.	2.7	3
39	<i>Saussurea involucrata</i> : A review of the botany, phytochemistry and ethnopharmacology of a rare traditional herbal medicine. <i>Journal of Ethnopharmacology</i> , 2015, 172, 44-60.	4.1	67
40	Fingerprint analysis of processed <i>Rhizoma Chuanxiong</i> by high-performance liquid chromatography coupled with diode array detection. <i>Chinese Medicine</i> , 2015, 10, 2.	4.0	24
41	Simultaneous determination of seven active ingredients in rat plasma by UPLC-MS/MS and application in pharmacokinetic studies after oral administration of <i>scutellaria-coptis</i> herb couple. <i>Medicinal Chemistry Research</i> , 2015, 24, 1289-1297.	2.4	5
42	Comprehensive quantitative analysis of <i>Shuang-Huang-Lian</i> oral liquid using UHPLC-Q-TOF-MS and HPLC-ELSD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 1-8.	2.8	22
43	Simultaneous Determination of Original, Degraded Ginsenosides and Aglycones by Ultra High Performance Liquid Chromatography Coupled with Quadrupole Time-of-Flight Mass Spectrometry for Quantitative Evaluation of <i>Du-Shen-Tang</i> , the Decoction of Ginseng. <i>Molecules</i> , 2014, 19, 4083-4104.	3.8	17
44	Chemical Profile Analysis and Comparison of Two Versions of the Classic TCM Formula <i>Danggui Buxue Tang</i> by HPLC-DAD-ESI-IT-TOF-MSn. <i>Molecules</i> , 2014, 19, 5650-5673.	3.8	13
45	Characterization of in Vitro Metabolism of Loganin by Human Intestinal Microflora Using Ultra-High Performance Liquid Chromatography-Quadrupole Time-of-Flight Mass Spectrometry. <i>Analytical Letters</i> , 2014, 47, 1500-1512.	1.8	5
46	A novel and rapid HPGPC-based strategy for quality control of saccharide-dominant herbal materials: <i>Dendrobium officinale</i> , a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6409-6417.	3.7	52
47	An integrated strategy based on UPLC-DAD-QTOF-MS for metabolism and pharmacokinetic studies of herbal medicines: Tibetan <i>Snow Lotus</i> herb (<i>Saussurea laniceps</i>), a case study. <i>Journal of Ethnopharmacology</i> , 2014, 153, 701-713.	4.1	50
48	Ultra performance liquid chromatography/quadrupole-time-of-flight mass spectrometry for determination of avicularin metabolites produced by a human intestinal bacterium. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 949-950, 30-36.	2.3	11
49	Characterization of the metabolism of 5-hydroxymethylfurfural by human intestinal microflora using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 3826.	2.7	8
50	Determination and characterization of metabolites of scutellarin produced by human intestinal bacteria using UPLC-Q-TOF/MS. <i>Analytical Methods</i> , 2014, 6, 2314.	2.7	3
51	Quantitative evaluation of <i>Radix Paeoniae Alba</i> sulfur-fumigated with different durations and purchased from herbal markets: Simultaneous determination of twelve components belonging to three chemical types by improved high performance liquid chromatography-diode array detector. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 424-433.	2.8	50
52	Application of ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry to determine the metabolites of orientin produced by human intestinal bacteria. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 944, 123-127.	2.3	27
53	Structural diversity requires individual optimization of ethanol concentration in polysaccharide precipitation. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 205-209.	7.5	105
54	Comparative metabolism of <i>Radix scutellariae</i> extract by intestinal bacteria from normal and type 2 diabetic mice in vitro. <i>Journal of Ethnopharmacology</i> , 2014, 153, 368-374.	4.1	20

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55	Comparative metabolites in plasma and urine of normal and type 2 diabetic rats after oral administration of the traditional Chinese scutellaria-coptis herb couple by ultra performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 27-32.	2.3	23
56	Chemistry, bioactivity and quality control of <i>Dendrobium</i> , a commonly used tonic herb in traditional Chinese medicine. <i>Phytochemistry Reviews</i> , 2013, 12, 341-367.	6.5	154
57	UPLC-Q-TOF/MS for Analysis of the Metabolites of Flavone Glycosides from <i>Scutellaria baicalensis</i> Georgi by Human Fecal Flora in Vitro. <i>Chromatographia</i> , 2013, 76, 975-983.	1.3	10
58	Why are <i>Angelicae Sinensis</i> radix and <i>Chuanxiong</i> Rhizoma different? An explanation from a chemical perspective. <i>Food Research International</i> , 2013, 54, 439-447.	6.2	15
59	Ultra-Performance Liquid Chromatography Coupled with Quadrupole Time-of-Flight Mass Spectrometry for Rapid Determination of the Metabolites of Baicalin Produced by Human Intestinal Bacteria. <i>Analytical Letters</i> , 2013, 46, 429-438.	1.8	1
60	Influence of sulphur-fumigation on the quality of white ginseng: A quantitative evaluation of major ginsenosides by high performance liquid chromatography. <i>Food Chemistry</i> , 2012, 135, 1141-1147.	8.2	41
61	Simultaneous determination of iridoid glycosides, phenethylalcohol glycosides and furfural derivatives in <i>Rehmanniae Radix</i> by high performance liquid chromatography coupled with triple-quadrupole mass spectrometry. <i>Food Chemistry</i> , 2012, 135, 2277-2286.	8.2	35
62	Detection of Sulfur-Fumigated <i>Paeoniae Alba Radix</i> in Complex Preparations by High Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Molecules</i> , 2012, 17, 8938-8954.	3.8	23
63	Ultra-high-performance liquid chromatography-quadrupole/time of flight mass spectrometry based chemical profiling approach to rapidly reveal chemical transformation of sulfur-fumigated medicinal herbs, a case study on white ginseng. <i>Journal of Chromatography A</i> , 2012, 1231, 31-45.	3.7	96