

Shuguang Guan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

1,529
citations

20
h-index

36
g-index

97
ext. papers

2,028
ext. citations

4.3
avg, IF

4.8
L-index

#	Paper	IF	Citations
91	Multi-level fingerprinting and cardiomyocyte protection evaluation for comparing polysaccharides from six Panax herbal medicines. <i>Carbohydrate Polymers</i> , 2022 , 277, 118867	10.3	3
90	A novel hybrid scan approach enabling the ion-mobility separation and the alternate data-dependent and data-independent acquisitions (HDDIDDA): Its combination with off-line two-dimensional liquid chromatography for comprehensively characterizing the multicomponents from Compound Danshen Dripping Pill.. <i>Analytica Chimica Acta</i> , 2022 , 1193, 339320	6.6	5
89	Systematic screening and structural characterization of dipeptides using offline 2D LC-LTQ-Orbitrap MS: A case study of .. <i>Journal of Pharmaceutical Analysis</i> , 2022 , 12, 263-269	14	1
88	An integrated strategy for comprehensive characterization of metabolites and metabolic profiles of bufadienolides from Venenum Bufonis in rats.. <i>Journal of Pharmaceutical Analysis</i> , 2022 , 12, 136-144	14	0
87	Spatial lipidomics of eight edible nuts by desorption electrospray ionization with ion mobility mass spectrometry imaging. <i>Food Chemistry</i> , 2022 , 371, 130893	8.5	3
86	Characterization of a small-molecule inhibitor targeting NEMO/IKK β to suppress colorectal cancer growth.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 71	21	1
85	Characteristic Malonyl Ginsenosides from the Leaves of as Potential Quality Markers for Adulteration Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 4849-4857	5.7	2
84	An enhanced strategy integrating offline superimposed two-dimensional separation with mass defect filter and diagnostic ion filter: Comprehensive characterization of steroid alkaloids in Fritillariae Pallidiflorae Bulbus as a case study. <i>Journal of Chromatography A</i> , 2021 , 1643, 462029	4.5	2
83	Systematic characterization of chemical constituents in Mahuang decoction by UHPLC tandem linear ion trap-Orbitrap mass spectrometry coupled with feature-based molecular networking. <i>Journal of Separation Science</i> , 2021 , 44, 2717-2727	3.4	2
82	A systematic strategy integrating solid-phase extraction, full scan range splitting, mass defect filter and precursor ion list for comprehensive metabolite profiling of Danqi Tongmai tablet in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 198, 113989	3.5	2
81	Exploration of tissue distribution of ginsenoside Rg1 by LC-MS/MS and nanospray desorption electrospray ionization mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 198, 113999	3.5	2
80	Insight into chemical basis of traditional Chinese medicine based on the state-of-the-art techniques of liquid chromatography-mass spectrometry. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1469-1492	15.5	9
79	Chemical profiling of Huashi Baidu prescription, an effective anti-COVID-19 TCM formula, by UPLC-Q-TOF/MS. <i>Chinese Journal of Natural Medicines</i> , 2021 , 19, 473-480	2.8	3
78	Recent advances in chemical analysis of licorice (Gan-Cao). <i>Phytotherapy</i> , 2021 , 149, 104803	3.2	6
77	Structurally diverse diterpenoid alkaloids from the lateral roots of Debx. and their anti-tumor activities based on systematic evaluation and network pharmacology analysis.. <i>RSC Advances</i> , 2021 , 11, 26594-26606	3.7	0
76	Traditional Chinese medicine (TCM) as a source of new anticancer drugs. <i>Natural Product Reports</i> , 2021 , 38, 1618-1633	15.1	20
75	Nontargeted metabolomic analysis and multiple criteria decision-making method induced robust quality markers screening for the authentication of herbal medicines from different origins by taking <i>Ophiopogon japonicus</i> (L. f.) Ker-Gawl. as a case study. <i>Journal of Separation Science</i> , 2021 , 44, 1440-1451	3.4	3

74	The inhibitory effect of 225 frequently-used traditional Chinese medicines for CYP3A4 metabolic enzyme by isoform-specific probe. <i>Phytotherapy</i> 2021 , 152, 104858	3.2	0
73	Fast determination of 16 circulating neurotransmitters and their metabolites in plasma samples of spontaneously hypertensive rats intervened with five different <i>Uncaria</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1179, 122856	3.2	1
72	Quantitative and fingerprint analysis of proanthocyanidins and phenylpropanoids in <i>Cinnamomum verum</i> bark, <i>Cinnamomum cassia</i> bark, and <i>Cassia</i> twig by UPLC combined with chemometrics. <i>European Food Research and Technology</i> , 2021 , 247, 2687-2698	3.4	1
71	An enhanced strategy integrating offline two-dimensional separation with data independent acquisition mode and deconvolution: Characterization of metabolites of <i>Uncaria rhynchophylla</i> in rat plasma as a case. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1181, 122917	3.2	2
70	Plant metabolomics for studying the effect of two insecticides on comprehensive constituents of <i>Lonicerae Japonicae Flos</i> . <i>Chinese Journal of Natural Medicines</i> , 2021 , 19, 70-80	2.8	2
69	Chinese herbal medicines with beneficial effects. <i>Frigid Zone Medicine</i> , 2021 , 1, 79-83		
68	Quality assessment of herbal medicines based on chemical fingerprints combined with chemometrics approach: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 185, 113215	3.5	43
67	Three new bisflavonols from the seeds of <i>Hovenia dulcis</i> Thunb. and their anti-RSV activities. <i>Phytotherapy</i> 2020 , 143, 104587	3.2	4
66	Quantitative analysis of fourteen bufadienolides in <i>Venenum Bufonis</i> crude drug and its Chinese patent medicines by ultra-high performance liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Ethnopharmacology</i> , 2020 , 251, 112490	5	6
65	Highly selective monitoring of in-source fragmentation sapogenin product ions in positive mode enabling group-target ginsenosides profiling and simultaneous identification of seven <i>Panax</i> herbal medicines. <i>Journal of Chromatography A</i> , 2020 , 1618, 460850	4.5	18
64	Systematic comparison of metabolic differences of <i>Uncaria rhynchophylla</i> in rat, mouse, dog, pig, monkey and human liver microsomes. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7891-7897	4.4	4
63	Exploring the protective effects of Danqi Tongmai tablet on acute myocardial ischemia rats by comprehensive metabolomics profiling. <i>Phytomedicine</i> , 2020 , 74, 152918	6.5	7
62	A novel neutral loss/product ion scan-incorporated integral approach for the untargeted characterization and comparison of the carboxyl-free ginsenosides from <i>Panax ginseng</i> , <i>Panax quinquefolius</i> , and <i>Panax notoginseng</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 177, 112813	3.5	14
61	Profiling and identification of aqueous extract of <i>Cordyceps sinensis</i> by ultra-high performance liquid chromatography tandem quadrupole-orbitrap mass spectrometry. <i>Chinese Journal of Natural Medicines</i> , 2019 , 17, 631-640	2.8	3
60	Simultaneous determination of resibufogenin and its eight metabolites in rat plasma by LC-MS/MS for metabolic profiles and pharmacokinetic study. <i>Phytomedicine</i> , 2019 , 60, 152971	6.5	1
59	<i>Venenum bufonis</i> : An overview of its traditional use, natural product chemistry, pharmacology, pharmacokinetics and toxicology. <i>Journal of Ethnopharmacology</i> , 2019 , 237, 215-235	5	15
58	Simultaneous determination of cinobufagin and its five metabolites in rat plasma by LC-MS/MS for characterization of metabolic profiles and pharmacokinetic study. <i>Analytical Methods</i> , 2019 , 11, 5464-5471	3.2	1
57	Deeper Chemical Perceptions for Better Traditional Chinese Medicine Standards. <i>Engineering</i> , 2019 , 5, 83-97	9.7	16

56	Simultaneously targeted and untargeted multicomponent characterization of Erzhi Pill by offline two-dimensional liquid chromatography/quadrupole-Orbitrap mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1584, 87-96	4.5	43
55	Quality transitivity and traceability system of herbal medicine products based on quality markers. <i>Phytomedicine</i> , 2018 , 44, 247-257	6.5	41
54	Global profiling combined with predicted metabolites screening for discovery of natural compounds: Characterization of ginsenosides in the leaves of <i>Panax notoginseng</i> as a case study. <i>Journal of Chromatography A</i> , 2018 , 1538, 34-44	4.5	45
53	Green Quantification Strategy Combined with Chemometric Analysis for Triglycerides in Seeds Used in Traditional Chinese Medicine. <i>Planta Medica</i> , 2018 , 84, 457-464	3.1	6
52	Rapid profiling of polymeric phenolic acids in <i>Salvia miltiorrhiza</i> by hybrid data-dependent/targeted multistage mass spectrometry acquisition based on expected compounds prediction and fragment ion searching. <i>Journal of Separation Science</i> , 2018 , 41, 1888-1895	3.4	6
51	Exploring lipid markers of the quality of coix seeds with different geographical origins using supercritical fluid chromatography mass spectrometry and chemometrics. <i>Phytomedicine</i> , 2018 , 45, 1-7	6.5	25
50	Characteristic Chromatogram: A Method of Discriminate and Quantitative Analysis for Quality Evaluation of <i>Uncaria Stem with Hooks</i> . <i>Planta Medica</i> , 2018 , 84, 449-456	3.1	4
49	An enhanced targeted identification strategy for the selective identification of flavonoid O-glycosides from <i>Carthamus tinctorius</i> by integrating offline two-dimensional liquid chromatography/linear ion-trap-Orbitrap mass spectrometry, high-resolution diagnostic product ion analysis, and molecular networking. <i>Journal of Chromatography A</i> , 2018 , 1538, 34-44	4.5	51
48	A feasible, economical, and accurate analytical method for simultaneous determination of six alkaloid markers in <i>Aconiti Lateralis Radix Praeparata</i> from different manufacturing sources and processing ways. <i>Chinese Journal of Natural Medicines</i> , 2017 , 15, 301-309	2.8	10
47	Malonylginsenosides with Potential Antidiabetic Activities from the Flower Buds of <i>Panax ginseng</i> . <i>Journal of Natural Products</i> , 2017 , 80, 899-908	4.9	39
46	A Strategy Combining Higher Energy C-Trap Dissociation with Neutral Loss- and Product Ion-Based MS Acquisition for Global Profiling and Structure Annotation of Fatty Acids Conjugates. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 443-451	3.5	6
45	An in-source multiple collision-neutral loss filtering based nontargeted metabolomics approach for the comprehensive analysis of malonyl-ginsenosides from <i>Panax ginseng</i> , <i>P. quinquefolius</i> , and <i>P. notoginseng</i> . <i>Analytica Chimica Acta</i> , 2017 , 952, 59-70	6.6	63
44	Comparative Analysis of Ultrafine Granular Powder and Decoction Pieces of <i>Salvia miltiorrhiza</i> by UPLC-UV-MSn Combined with Statistical Analysis. <i>Planta Medica</i> , 2017 , 83, 557-564	3.1	7
43	Anti-proliferation activity of terpenoids isolated from <i>Euphorbia kansui</i> in human cancer cells and their structure-activity relationship. <i>Chinese Journal of Natural Medicines</i> , 2017 , 15, 766-774	2.8	11
42	New monoterpenoid oxindole alkaloid derivatives from the stems of <i>Uncaria hirsuta</i> Havil. and their cytotoxicity and tandem mass spectrometric fragmentation. <i>Phytotherapy Research</i> , 2017 , 116, 85-92	3.2	8
41	Colon-derived uremic biomarkers induced by the acute toxicity of <i>Kansui radix</i> : A metabolomics study of rat plasma and intestinal contents by UPLC-QTOF-MS(E). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1026, 193-203	3.2	17
40	Profiling and identification of metabolites of isorhynchophylline in rats by ultra high performance liquid chromatography and linear ion trap Orbitrap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1033-1034, 147-156	3.2	9
39	TXNIP/TRX/NF- κ B and MAPK/NF- κ B pathways involved in the cardiotoxicity induced by <i>Venenum Bufonis</i> in rats. <i>Scientific Reports</i> , 2016 , 6, 22759	4.9	17

38	Identification and differentiation of , , and by monitoring multiple diagnostic chemical markers. <i>Acta Pharmaceutica Sinica B</i> , 2016 , 6, 568-575	15.5	63
37	Neutral Loss Ion Mapping Experiment Combined with Precursor Mass List and Dynamic Exclusion for Screening Unstable Malonyl Glucoside Conjugates. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 99-107	3.5	9
36	Anticonvulsant and sedative-hypnotic activity screening of pearl and nacre (mother of pearl). <i>Journal of Ethnopharmacology</i> , 2016 , 181, 229-35	5	11
35	Pharmacokinetic Studies of Ganoderic Acids from the Lingzhi or Reishi Medicinal Mushroom, <i>Ganoderma lucidum</i> (Agaricomycetes), by LC-MS/MS. <i>International Journal of Medicinal Mushrooms</i> , 2016 , 18, 405-12	1.3	6
34	Development of specific and quantitative methods for the quality control of the polysaccharides from sea-tangle and sargassum. <i>Chinese Journal of Natural Medicines</i> , 2016 , 14, 954-960	2.8	2
33	Nontargeted metabolomic analysis and "commercial-homophyletic" comparison-induced biomarkers verification for the systematic chemical differentiation of five different parts of <i>Panax ginseng</i> . <i>Journal of Chromatography A</i> , 2016 , 1453, 78-87	4.5	69
32	An intelligentized strategy for endogenous small molecules characterization and quality evaluation of earthworm from two geographic origins by ultra-high performance HILIC/QTOF MS(E) and Progenesis Q1. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3881-90	4.4	56
31	An efficient and target-oriented sample enrichment method for preparative separation of minor alkaloids by pH-zone-refining counter-current chromatography. <i>Journal of Chromatography A</i> , 2015 , 1409, 159-65	4.5	15
30	Chemical Analysis of Xueshuantong Lyophilized Powder by LC-MS Profiling. <i>Chinese Herbal Medicines</i> , 2015 , 7, 54-61	1.4	3
29	A strategy for fast screening and identification of sulfur derivatives in medicinal <i>Pueraria</i> species based on the fine isotopic pattern filtering method using ultra-high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 894, 44-53	6.6	26
28	A green protocol for efficient discovery of novel natural compounds: characterization of new ginsenosides from the stems and leaves of <i>Panax ginseng</i> as a case study. <i>Analytica Chimica Acta</i> , 2015 , 893, 65-76	6.6	81
27	A reproducible analytical system based on the multi-component analysis of triterpene acids in <i>Ganoderma lucidum</i> . <i>Phytochemistry</i> , 2015 , 114, 146-54	4	23
26	Ultra-performance liquid chromatography of amino acids for the quality assessment of pearl powder. <i>Journal of Separation Science</i> , 2015 , 38, 1552-60	3.4	8
25	Discriminatory components retracing strategy for monitoring the preparation procedure of Chinese patent medicines by fingerprint and chemometric analysis. <i>PLoS ONE</i> , 2015 , 10, e0121366	3.7	11
24	Improved Chromatographic Fingerprinting Combined with Multi-components Quantitative Analysis for Quality Evaluation of <i>Penthorum chinense</i> by UHPLC-DAD. <i>Natural Product Communications</i> , 2015 , 10, 1934578X1501000	0.9	1
23	Cytotoxic sesquiterpene lactone dimers isolated from <i>Inula japonica</i> . <i>Fitoterapia</i> , 2015 , 101, 218-23	3.2	20
22	New cytotoxic 19-norbufadienolide and bufogargarizin isolated from Chan Su. <i>Fitoterapia</i> , 2015 , 104, 1-6	3.2	13
21	Simultaneous quantitation of five <i>Panax notoginseng</i> saponins by multi heart-cutting two-dimensional liquid chromatography: Method development and application to the quality control of eight <i>Notoginseng</i> containing Chinese patent medicines. <i>Journal of Chromatography A</i> , 2015 , 1402, 71-81	4.5	48

20	Elucidation of the fragmentation pathways of a complex 3,7-O-glycosyl flavonol by CID, HCD, and PQD on an LTQ-Orbitrap Velos Pro hybrid mass spectrometer. <i>Chinese Journal of Natural Medicines</i> , 2015 , 13, 867-872	2.8	8
19	New triterpenic acids from <i>Uncaria rhynchophylla</i> : chemistry, NO-inhibitory activity, and tandem mass spectrometric analysis. <i>Fitoterapia</i> , 2014 , 96, 39-47	3.2	21
18	Activity-guided isolation of NF- κ B inhibitors and PPAR α agonists from the root bark of <i>Lycium chinense</i> Miller. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 470-7	5	49
17	Saponins in the genus <i>Panax</i> L. (Araliaceae): a systematic review of their chemical diversity. <i>Phytochemistry</i> , 2014 , 106, 7-24	4	185
16	Ambiguanine A-G, hexahydrobenzophenanthridine alkaloids from <i>Corydalis ambigua</i> var. <i>amurensis</i> . <i>Phytochemistry</i> , 2014 , 105, 158-63	4	11
15	TCM-based new drug discovery and development in China. <i>Chinese Journal of Natural Medicines</i> , 2014 , 12, 241-50	2.8	36
14	HPLC/qTOF-MS-oriented characteristic components data set and chemometric analysis for the holistic quality control of complex TCM preparations: Niu Huang Shangqing pill as an example. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 89, 130-41	3.5	39
13	Cytotoxic cucurbitane triterpenoids isolated from the rhizomes of <i>Hemsleya amabilis</i> . <i>Fitoterapia</i> , 2014 , 94, 88-93	3.2	17
12	Biotransformation of Gambogic Acid by <i>Chaetomium Globosum</i> CICC 2445. <i>Natural Product Communications</i> , 2012 , 7, 1934578X1200700	0.9	
11	Rapid preparative isolation of a new phenylpropanoid glycoside and four minor compounds from <i>Sparganium stoloniferum</i> using high-speed counter-current chromatography as a fractionation tool. <i>Journal of Separation Science</i> , 2012 , 35, 1160-6	3.4	12
10	A Highly Rearranged Pentaprenylxanthone from the Resin of <i>Garcinia hanburyi</i> . <i>Helvetica Chimica Acta</i> , 2010 , 93, 1395-1400	2	10
9	Simultaneous Quantification of Eight Major Bioactive Phenolic Compounds in Chinese Propolis by High-Performance Liquid Chromatography. <i>Natural Product Communications</i> , 2009 , 4, 1934578X0900400	0.9	4
8	Simultaneous Determination of Oxyresveratrol and Resveratrol in Rat Bile and Urine by HPLC after Oral Administration of <i>Smilax china</i> Extract. <i>Natural Product Communications</i> , 2009 , 4, 1934578X0900400	0.9	2
7	Comparative Analysis of Microbial and Rat Metabolism of the Total Saponins from <i>Panax notoginseng</i> by HPLC-ESI-MS/MS. <i>Natural Product Communications</i> , 2008 , 3, 1934578X0800300	0.9	
6	Analysis of Major Chemical Constituents in Luan-Pao-Prescription Using Liquid Chromatography Coupled with Electrospray Ionization Mass Spectrometry. <i>Natural Product Communications</i> , 2008 , 3, 1934578X0800300	0.9	1
5	LCDAD Analysis of Six Bioactive Constituents in Rat Urine and Bile after Oral Administration of Luan-Pao-Prescription. <i>Chromatographia</i> , 2008 , 67, 325-329	2.1	3
4	Phenylpropanoid-Substituted Catechins and Epicatechins from <i>Smilax china</i> . <i>Helvetica Chimica Acta</i> , 2007 , 90, 1751-1757	2	10
3	Four New Lanostane Triterpenoids from <i>Euphorbia humifusa</i> . <i>Helvetica Chimica Acta</i> , 2007 , 90, 2245-2250	2	19

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| 2 | Quantitative Determination of 14 Major Constituents in the Herbal Preparation Luan-Pao-Prescription Using HPLC Coupled with Photodiode Array Detection. <i>Chromatographia</i> , 2007 , 66, 267-270 | 2.1 | 6 |
| 1 | Three New Cyclolanostane Triterpenoids from the Ethanol Extract of the Stems of <i>Kadsura heteroclita</i> . <i>Helvetica Chimica Acta</i> , 2006 , 89, 1888-1893 | 2 | 16 |