

# Shuguang Guan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2146681/publications.pdf>

Version: 2024-02-01

95  
papers

2,485  
citations

218381

26  
h-index

233125

45  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Saponins in the genus <i>Panax</i> L. (Araliaceae): A systematic review of their chemical diversity. <i>Phytochemistry</i> , 2014, 106, 7-24.	1.4	247
2	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.	2.6	107
3	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.	1.4	100
4	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.	1.8	93
5	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. Aquinquefolius</i> , and <i>P. Notoginseng</i> . <i>Analytica Chimica Acta</i> , 2017, 952, 59-70.	2.6	87
6	Identification and differentiation of <i>Panax ginseng</i> , <i>Panax quinquefolium</i> , and <i>Panax notoginseng</i> by monitoring multiple diagnostic chemical markers. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 568-575.	5.7	85
7	An intelligentized strategy for endogenous small molecules characterization and quality evaluation of earthworm from two geographic origins by ultra-high performance HILIC/QTOF MSE and Progenesis Q1. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3881-3890.	1.9	81
8	Quality transitivity and traceability system of herbal medicine products based on quality markers. <i>Phytomedicine</i> , 2018, 44, 247-257.	2.3	80
9	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 ions/neutral loss filtering and liquid chromatography-solid phase extraction-nuclear magnetic resonance. <i>Journal of Chromatography A</i> , 2017, 1491, 87-97.	1.8	70
10	Traditional Chinese medicine (TCM) as a source of new anticancer drugs. <i>Natural Product Reports</i> , 2021, 38, 1618-1633.	5.2	68
11	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.	1.8	67
12	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.	1.8	63
13	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.	5.7	59
14	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.	1.8	58
15	Activity-guided isolation of NF- $\kappa$ B inhibitors and PPAR $\beta$ agonists from the root bark of <i>Lycium chinense</i> Miller. <i>Journal of Ethnopharmacology</i> , 2014, 152, 470-477.	2.0	57
16	Malonylginsenosides with Potential Antidiabetic Activities from the Flower Buds of <i>Panax ginseng</i> . <i>Journal of Natural Products</i> , 2017, 80, 899-908.	1.5	55
17	TCM-based new drug discovery and development in China. <i>Chinese Journal of Natural Medicines</i> , 2014, 12, 241-250.	0.7	53
18	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, 130-141.	1.4	43

#	ARTICLE	IF	CITATIONS
19	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.	2.3	38
20	Venenum bufonis: An overview of its traditional use, natural product chemistry, pharmacology, pharmacokinetics and toxicology. <i>Journal of Ethnopharmacology</i> , 2019, 237, 215-235.	2.0	38
21	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.	2.6	38
22	Recent advances in chemical analysis of licorice (Gan-Cao). <i>FÄ-toterapÄ-Äç</i> , 2021, 149, 104803.	1.1	36
23	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.	1.4	34
24	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.	1.8	34
25	A reproducible analytical system based on the multi-component analysis of triterpene acids in <i>Ganoderma lucidum</i> . <i>Phytochemistry</i> , 2015, 114, 146-154.	1.4	31
26	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.	2.6	29
27	Four New Lanostane Triterpenoids from <i>Euphorbia humifusa</i> . <i>Helvetica Chimica Acta</i> , 2007, 90, 2245-2250.	1.0	28
28	Deeper Chemical Perceptions for Better Traditional Chinese Medicine Standards. <i>Engineering</i> , 2019, 5, 83-97.	3.2	27
29	New triterpenic acids from <i>Uncaria rhynchophylla</i> : Chemistry, NO-inhibitory activity, and tandem mass spectrometric analysis. <i>FÄ-toterapÄ-Äç</i> , 2014, 96, 39-47.	1.1	25
30	TXNIP/TRX/NF-Î®B and MAPK/NF-Î®B pathways involved in the cardiotoxicity induced by Venenum Bufonis in rats. <i>Scientific Reports</i> , 2016, 6, 22759.	1.6	24
31	Multi-level fingerprinting and cardiomyocyte protection evaluation for comparing polysaccharides from six <i>Panax</i> herbal medicines. <i>Carbohydrate Polymers</i> , 2022, 277, 118867.	5.1	24
32	Cytotoxic sesquiterpene lactone dimers isolated from <i>Inula japonica</i> . <i>FÄ-toterapÄ-Äç</i> , 2015, 101, 218-223.	1.1	23
33	Cytotoxic cucurbitane triterpenoids isolated from the rhizomes of <i>Hemsleya amabilis</i> . <i>FÄ-toterapÄ-Äç</i> , 2014, 94, 88-93.	1.1	21
34	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.	1.0	19
35	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.	1.2	19
36	An enhanced strategy integrating offline superimposed two-dimensional separation with mass defect filter and diagnostic ion filter: Comprehensive characterization of steroid alkaloids in <i>Fritillariae Pallidiflorae Bulbus</i> as a case study. <i>Journal of Chromatography A</i> , 2021, 1643, 462029.	1.8	19

#	ARTICLE	IF	CITATIONS
37	Spatial lipidomics of eight edible nuts by desorption electrospray ionization with ion mobility mass spectrometry imaging. <i>Food Chemistry</i> , 2022, 371, 130893.	4.2	19
38	Characterization of a small-molecule inhibitor targeting NEMO/IKK $\beta$ to suppress colorectal cancer growth. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 71.	7.1	19
39	New cytotoxic 19-norbufadienolide and bufogargarizin isolated from Chan Su. <i>F<math>\ddot{A}</math>-toteraP<math>\ddot{A}</math>-<math>\ddot{A}</math></i> , 2015, 104, 1-6.	1.1	18
40	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, 159-165.	1.8	18
41	Anticonvulsant and sedative $\ddot{A}$ hypnotic activity screening of pearl and nacre (mother of pearl). <i>Journal of Ethnopharmacology</i> , 2016, 181, 229-235.	2.0	17
42	Exploring the protective effects of Danqi Tongmai tablet on acute myocardial ischemia rats by comprehensive metabolomics profiling. <i>Phytomedicine</i> , 2020, 74, 152918.	2.3	17
43	A Highly Rearranged Pentaprenylxanthonoid from the Resin of <i>Garcinia hanburyi</i> . <i>Helvetica Chimica Acta</i> , 2010, 93, 1395-1400.	1.0	16
44	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.	1.1	15
45	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.	0.7	15
46	Rapid preparative isolation of a new phenylpropanoid glycoside and four minor compounds from <i>Sarganium stoloniferum</i> using high-speed counter-current chromatography as a fractionation tool. <i>Journal of Separation Science</i> , 2012, 35, 1160-1166.	1.3	14
47	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.	0.7	14
48	Systematic characterization of chemical constituents in Mahuang decoction by UHPLC tandem linear ion trap $\ddot{A}$ Orbitrap mass spectrometry coupled with feature-based molecular networking. <i>Journal of Separation Science</i> , 2021, 44, 2717-2727.	1.3	14
49	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.	1.2	13
50	Phenylpropanoid $\ddot{A}$ Substituted Catechins and Epicatechins from <i>Smilax china</i> . <i>Helvetica Chimica Acta</i> , 2007, 90, 1751-1757.	1.0	12
51	Ambiguanine $\ddot{A}$ C, hexahydrobenzophenanthridine alkaloids from <i>Corydalis ambigua</i> var. <i>amurensis</i> . <i>Phytochemistry</i> , 2014, 105, 158-163.	1.4	12
52	New monoterpene oxindole alkaloid derivatives from the stems of <i>Uncaria hirsuta</i> Havil. and their cytotoxicity and tandem mass spectrometric fragmentation. <i>F<math>\ddot{A}</math>-toteraP<math>\ddot{A}</math>-<math>\ddot{A}</math></i> , 2017, 116, 85-92.	1.1	12
53	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.	0.7	11
54	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.	2.0	11

#	ARTICLE	IF	CITATIONS
55	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.	1.2	10
56	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.	1.3	10
57	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.	2.3	10
58	Quantitative imaging of natural products in fine brain regions using desorption electrospray ionization mass spectrometry imaging (DESI-MSI): <i>Uncaria</i> alkaloids as a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4999-5007.	1.9	10
59	Ultra-performance liquid chromatography of amino acids for the quality assessment of pearl powder. <i>Journal of Separation Science</i> , 2015, 38, 1552-1560.	1.3	9
60	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.	0.7	9
61	Green Quantification Strategy Combined with Chemometric Analysis for Triglycerides in Seeds Used in Traditional Chinese Medicine. <i>Planta Medica</i> , 2018, 84, 457-464.	0.7	9
62	Characteristic Chromatogram: A Method of Discriminate and Quantitative Analysis for Quality Evaluation of <i>Uncaria</i> Stem with Hooks. <i>Planta Medica</i> , 2018, 84, 449-456.	0.7	9
63	An integrated strategy for comprehensive characterization of metabolites and metabolic profiles of bufadienolides from <i>Venenum Bufonis</i> in rats. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 136-144.	2.4	9
64	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.	0.7	8
65	A Strategy Combining Higher Energy C-Trap Dissociation with Neutral Loss- and Product Ion-Based MSn 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.	1.2	8
66	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.	0.7	8
67	Three new bisflavonols from the seeds of <i>Hovenia dulcis</i> Thunb. and their anti-RSV activities. <i>FÄ-toterapÄ-c</i> , 2020, 143, 104587.	1.1	8
68	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.	1.4	8
69	Simultaneous Quantification of Eight Major Bioactive Phenolic Compounds in Chinese Propolis by High-Performance Liquid Chromatography. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.2	7
70	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, 405-412.	0.9	7
71	Systematic screening and structural characterization of dipeptides using offline 2D LC-LTQ-Orbitrap MS: A case study of <i>Cordyceps sinensis</i> . <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 263-269.	2.4	7
72	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.	0.7	6

#	ARTICLE	IF	CITATIONS
73	Traditional Chinese medicine played a crucial role in battling COVID-19. <i>Chinese Herbal Medicines</i> , 2020, 12, 205-206.	1.2	6
74	Structurally diverse diterpenoid alkaloids from the lateral roots of <i>Aconitum carmichaelii</i> Debx. and their anti-tumor activities based on <i>in vitro</i> systematic evaluation and network pharmacology analysis. <i>RSC Advances</i> , 2021, 11, 26594-26606.	1.7	6
75	Characteristic Malonyl Ginsenosides from the Leaves of <i>Panax notoginseng</i> as Potential Quality Markers for Adulteration Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4849-4857.	2.4	6
76	The inhibitory effect of 225 frequently-used traditional Chinese medicines for CYP3A4 metabolic enzyme by isoform-specific probe. <i>FA-toterap</i> , 2021, 152, 104858.	1.1	6
77	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.	1.2	6
78	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.	0.2	5
79	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.	1.4	5
80	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.	1.2	5
81	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.	1.6	5
82	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.	1.9	4
83	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.	1.3	4
84	Scale-Up Preparation of Crocins I and II from <i>Gardenia jasminoides</i> by a Two-Step Chromatographic Approach and Their Inhibitory Activity Against ATP Citrate Lyase. <i>Molecules</i> , 2021, 26, 3137.	1.7	4
85	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.	0.7	4
86	LC-DAD Analysis of Six Bioactive Constituents in Rat Urine and Bile after Oral Administration of Luan-Pao-Prescription. <i>Chromatographia</i> , 2008, 67, 325-329.	0.7	3
87	Chemical Analysis of Xueshuantong Lyophilized Powder by LC-MS Profiling. <i>Chinese Herbal Medicines</i> , 2015, 7, 54-61.	1.2	3
88	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.	0.2	2
89	Biotransformation of Gambogenic Acid by <i>Chaetomium Globosum</i> CICC 2445. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.2	2
90	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.	0.2	2

#	ARTICLE	IF	CITATIONS
91	Development of specific and quantitative methods for the quality control of the polysaccharides from sea-tangle and sargassum. Chinese Journal of Natural Medicines, 2016, 14, 954-960.	0.7	2
92	Software Assisted Multi-Tiered Mass Spectrometry Identification of Compounds in Traditional Chinese Medicine: Dalbergia odorifera as an Example. Molecules, 2022, 27, 2333.	1.7	2
93	Simultaneous determination of cinobufagin and its five metabolites in rat plasma by LC-MS/MS for characterization of metabolic profiles and pharmacokinetic study. Analytical Methods, 2019, 11, 5464-5471.	1.3	1
94	Comparative Analysis of Microbial and Rat Metabolism of the Total Saponins from Panax notoginseng by HPLC-ESI-MS/MS. Natural Product Communications, 2008, 3, 1934578X0800300.	0.2	0
95	Chinese herbal medicines with beneficial effects. Frigid Zone Medicine, 2021, 1, 79-83.	0.2	0