

Wan-Ying Wu

List of Publications by Year in descending order

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72
papers

2,176
citations

201674

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h-index

243625

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72
all docs

72
docs citations

72
times ranked

1943
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.	2.9	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.	5.4	107
3	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.	3.7	93
4	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.	5.4	87
5	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.	3.7	70
6	Mass defect filtering-oriented classification and precursor ions list-triggered high-resolution mass spectrometry analysis for the discovery of indole alkaloids from <i>Uncaria sinensis</i> . <i>Journal of Chromatography A</i> , 2017, 1516, 102-113.	3.7	70
7	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.	3.7	67
8	An integrated strategy for the systematic characterization and discovery of new indole alkaloids from <i>Uncaria rhynchophylla</i> by UHPLC/DAD/LTQ-Orbitrap-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6057-6070.	3.7	60
9	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.	3.7	58
10	Systematic profiling and comparison of the lipidomes from <i>Panax ginseng</i> , <i>P. quinquefolius</i> , and <i>P. notoginseng</i> by ultrahigh performance supercritical fluid chromatography/high-resolution mass spectrometry and ion mobility-derived collision cross section measurement. <i>Journal of Chromatography A</i> , 2018, 1548, 64-75.	3.7	57
11	An enhanced strategy integrating offline two-dimensional separation and step-wise precursor ion list-based raster-mass defect filter: Characterization of indole alkaloids in five botanical origins of <i>Uncaria Ramulus Cum Unicis</i> as an exemplary application. <i>Journal of Chromatography A</i> , 2018, 1563, 124-134.	3.7	57
12	Method development and application of offline two-dimensional liquid chromatography/quadrupole time-of-flight mass spectrometry-fast data directed analysis for comprehensive characterization of the saponins from Xueshuantong Injection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 322-332.	2.8	56
13	Malonylginsenosides with Potential Antidiabetic Activities from the Flower Buds of <i>Panax ginseng</i> . <i>Journal of Natural Products</i> , 2017, 80, 899-908.	3.0	55
14	Proteomic studies on protective effects of salvianolic acids, notoginsengosides and combination of salvianolic acids and notoginsengosides against cardiac ischemic-reperfusion injury. <i>Journal of Ethnopharmacology</i> , 2012, 141, 659-667.	4.1	53
15	TCM-based new drug discovery and development in China. <i>Chinese Journal of Natural Medicines</i> , 2014, 12, 241-250.	1.3	53
16	Interaction of Salvianolic Acids and Notoginsengosides in Inhibition of ADP-Induced Platelet Aggregation. <i>The American Journal of Chinese Medicine</i> , 2008, 36, 313-328.	3.8	49
17	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.	2.8	43
18	UHPLC-qTOF-MS-based metabolomics approach to compare the saponin compositions of Xueshuantong injection and Xuesaitong injection. <i>Journal of Separation Science</i> , 2017, 40, 834-841.	2.5	40

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19	Direct screening of malonylginsenosides from nine Ginseng extracts by an untargeted profiling strategy incorporating in-source collision-induced dissociation, mass tag, and neutral loss scan on a hybrid linear ion-trap/Orbitrap mass spectrometer coupled to ultra-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1571, 213-222.	3.7	39
20	Supercritical fluid chromatography for separation and preparation of tautomeric 7-epimeric spiro oxindole alkaloids from <i>Uncaria macrophylla</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 352-360.	2.8	38
21	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.	5.3	38
22	Venenum bufonis: An overview of its traditional use, natural product chemistry, pharmacology, pharmacokinetics and toxicology. <i>Journal of Ethnopharmacology</i> , 2019, 237, 215-235.	4.1	38
23	Salvianolic acid A inhibits endothelial dysfunction and vascular remodeling in spontaneously hypertensive rats. <i>Life Sciences</i> , 2016, 144, 86-93.	4.3	34
24	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.	2.8	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.	2.9	31
26	Selective and comprehensive characterization of the quinochalcone C-glycoside homologs in <i>Carthamus tinctorius</i> L. by offline comprehensive two-dimensional liquid chromatography/LTQ-Orbitrap MS coupled with versatile data mining strategies. <i>RSC Advances</i> , 2016, 6, 495-506.	3.6	30
27	Venenum Bufonis induces rat neuroinflammation by activating NF- κ B pathway and attenuation of BDNF. <i>Journal of Ethnopharmacology</i> , 2016, 186, 103-110.	4.1	29
28	A strategy for establishment of practical identification methods for Chinese patent medicine from systematic multi-component characterization to selective ion monitoring of chemical markers: Shuxiong tablet as a case study. <i>RSC Advances</i> , 2016, 6, 65055-65066.	3.6	28
29	UHPLC-LTQ-Orbitrap MS combined with spike-in method for plasma metabonomics analysis of acute myocardial ischemia rats and pretreatment effect of Danqi Tongmai tablet. <i>Molecular BioSystems</i> , 2015, 11, 486-496.	2.9	27
30	Deeper Chemical Perceptions for Better Traditional Chinese Medicine Standards. <i>Engineering</i> , 2019, 5, 83-97.	6.7	27
31	New triterpenic acids from <i>Uncaria rhynchophylla</i> : Chemistry, NO-inhibitory activity, and tandem mass spectrometric analysis. <i>F\ddot{A}-totrap\ddot{A}-\ddot{A}</i> , 2014, 96, 39-47.	2.2	25
32	TXNIP/TRX/NF- κ B and MAPK/NF- κ B pathways involved in the cardiotoxicity induced by Venenum Bufonis in rats. <i>Scientific Reports</i> , 2016, 6, 22759.	3.3	24
33	A high-efficiency strategy integrating offline two-dimensional separation and data post-processing with dereplication: Characterization of bufadienolides in Venenum Bufonis as a case study. <i>Journal of Chromatography A</i> , 2019, 1603, 179-189.	3.7	23
34	A metabolomics strategy for authentication of plant medicines with multiple botanical origins, a case study of <i>Uncariae Rammulus Cum Uncis</i> . <i>Journal of Separation Science</i> , 2020, 43, 1043-1050.	2.5	21
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.	2.3	19
36	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.	3.7	18

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37	Geographic impact evaluation of the quality of <i>Alismatis Rhizoma</i> by untargeted metabolomics and quantitative assay. <i>Journal of Separation Science</i> , 2018, 41, 839-846.	2.5	18
38	Anticonvulsant and sedativeâ€“hypnotic activity screening of pearl and nacre (mother of pearl). <i>Journal of Ethnopharmacology</i> , 2016, 181, 229-235.	4.1	17
39	Dissecting the Metabolic Phenotype of the Antihypertensive Effects of Five <i>Uncaria</i> Species on Spontaneously Hypertensive Rats. <i>Frontiers in Pharmacology</i> , 2019, 10, 845.	3.5	17
40	Exploring the protective effects of Danqi Tongmai tablet on acute myocardial ischemia rats by comprehensive metabolomics profiling. <i>Phytomedicine</i> , 2020, 74, 152918.	5.3	17
41	In-depth exploration and comparison of chemical constituents from two <i>Lilium</i> species through offline two-dimensional liquid chromatography combined with multimode acquisition of high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1670, 462980.	3.7	17
42	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.	1.3	15
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.	1.3	14
44	New monoterpene oxindole alkaloid derivatives from the stems of <i>Uncaria hirsuta</i> Havil. and their cytotoxicity and tandem mass spectrometric fragmentation. <i>FÃ-toterapÃ-Ãç</i> , 2017, 116, 85-92.	2.2	12
45	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.	1.3	11
46	Comparative <i>in vivo</i> constituents and pharmacokinetic study in rats after oral administration of ultrafine granular powder and traditional decoction slices of Chinese <i>Salvia</i> . <i>Biomedical Chromatography</i> , 2019, 33, e4385.	1.7	11
47	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.	4.1	11
48	Comprehensive featureâ€“based molecular networking and metabolomics approaches to reveal the differences components in <i>Cinnamomum cassia</i> and <i>Cinnamomum verum</i> . <i>Journal of Separation Science</i> , 2021, 44, 3810-3821.	2.5	11
49	Rapid profiling of polymeric phenolic acids in <i>Salvia miltiorrhiza</i> by hybrid dataâ€“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.	2.5	10
50	Simultaneous determination of resibufogenin and its eight metabolites in rat plasma by LCâ€“MS/MS for metabolic profiles and pharmacokinetic study. <i>Phytomedicine</i> , 2019, 60, 152971.	5.3	10
51	Study on the herb-herb interaction of Danqi Tongmai Tablet based on the pharmacokinetics of twelve notoginsenosides in acute myocardial ischemia and sham rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 52-65.	2.8	10
52	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.	3.7	10
53	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.	1.3	9
54	Green Quantification Strategy Combined with Chemometric Analysis for Triglycerides in Seeds Used in Traditional Chinese Medicine. <i>Planta Medica</i> , 2018, 84, 457-464.	1.3	9

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55	Characterization and discrimination of steroidal saponins in <i>Tribulus terrestris</i> L. and its three different aerial parts by chemical profiling with chemometrics analysis. <i>Journal of Separation Science</i> , 2018, 41, 4212-4221.	2.5	9
56	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.	5.3	9
57	Force iteration molecular designing strategy for the systematic characterization and discovery of new protostane triterpenoids from <i>Alisma Rhizoma</i> by UHPLC/LTQ-Orbitrap-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1749-1764.	3.7	9
58	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.	1.3	8
59	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.	2.8	8
60	Simultaneous Determination of Bufalin and Its Nine Metabolites in Rat Plasma for Characterization of Metabolic Profiles and Pharmacokinetic Study by LC-MS/MS. <i>Molecules</i> , 2019, 24, 1662.	3.8	8
61	An integrated strategy for holistic quality identification of Chinese patent medicine: <i>Liuwei Dihuang Pills</i> as a case study. <i>Phytochemical Analysis</i> , 2021, 32, 183-197.	2.4	8
62	Implementation of a Single Quadrupole Mass Spectrometer for Fingerprint Analysis: <i>Venenum bufonis</i> as a Case Study. <i>Molecules</i> , 2018, 23, 3020.	3.8	7
63	Untargeted metabolomics coupled with chemometric analysis deducing robust markers for discrimination of processing procedures: Wine-processed <i>Angelica sinensis</i> as a case study. <i>Journal of Separation Science</i> , 2021, 44, 4092-4110.	2.5	7
64	Information Entropy-Based Strategy for the Quantitative Evaluation of Extensive Hyperspectral Images to Better Unveil Spatial Heterogeneity in Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2022, 94, 10355-10366.	6.5	7
65	Four New Depsides Isolated from <i>Salvia miltiorrhiza</i> and Their Significant Nerve-Protective Activities. <i>Molecules</i> , 2018, 23, 3274.	3.8	5
66	A simple and effective method for identification of <i>Fraxini Cortex</i> from different sources by multi-mode fingerprint combined with chemometrics. <i>Journal of Separation Science</i> , 2022, 45, 788-803.	2.5	5
67	Chemical Analysis of <i>Xueshuantong</i> Lyophilized Powder by LC-MS Profiling. <i>Chinese Herbal Medicines</i> , 2015, 7, 54-61.	3.0	3
68	Orientalol ¹⁴ P, novel sesquiterpenes from the rhizome of <i>Alisma orientale</i> (Sam.) Juzep and their nephrotoxicity on HK2 cells. <i>New Journal of Chemistry</i> , 2018, 42, 13414-13420.	2.8	3
69	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.	1.3	2
70	Authentication of herbal medicines from multiple botanical origins with cross-validation metabolomics, absolute quantification and support vector machine model, a case study of <i>Rhizoma Alismatis</i> . <i>Arabian Journal of Chemistry</i> , 2022, 15, 104118.	4.9	2
71	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.	2.7	1
72	Restoring perturbed oxylipins with <i>Danqi Tongmai</i> Tablet attenuates acute myocardial infarction. <i>Phytomedicine</i> , 2021, 90, 153616.	5.3	1