

Yuan-Zhong Wang

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papers

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36
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139
ext. papers

2,616
ext. citations

3.8
avg, IF

5.63
L-index

#	Paper	IF	Citations
126	A mini-review of chemical composition and nutritional value of edible wild-grown mushroom from China. <i>Food Chemistry</i> , 2014 , 151, 279-85	8.5	213
125	Mycology, cultivation, traditional uses, phytochemistry and pharmacology of <i>Wolfiporia cocos</i> (Schwein.) Ryvarden et Gilb.: a review. <i>Journal of Ethnopharmacology</i> , 2013 , 147, 265-76	5	100
124	FT-MIR and NIR spectral data fusion: a synergetic strategy for the geographical traceability of <i>Panax notoginseng</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 91-103	4.4	62
123	Geographical traceability of wild <i>Boletus edulis</i> based on data fusion of FT-MIR and ICP-AES coupled with data mining methods (SVM). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 177, 20-27	4.4	53
122	Evaluation of Mercury Contamination in Fungi <i>Boletus</i> Species from Latosols, Lateritic Red Earths, and Red and Yellow Earths in the Circum-Pacific Mercuriferous Belt of Southwestern China. <i>PLoS ONE</i> , 2015 , 10, e0143608	3.7	51
121	Trace element content of <i>Boletus tomentipes</i> mushroom collected from Yunnan, China. <i>Food Chemistry</i> , 2011 , 127, 1828-1830	8.5	44
120	Phytochemistry and Pharmacological Activities of the Genus <i>Gentiana</i> (Gentianaceae). <i>Chemistry and Biodiversity</i> , 2016 , 13, 107-50	2.5	43
119	Ethnobotany, Phytochemistry and Pharmacological Properties of <i>Eucommia ulmoides</i> : A Review. <i>The American Journal of Chinese Medicine</i> , 2019 , 47, 259-300	6	41
118	The Genome Sequences of 90 Mushrooms. <i>Scientific Reports</i> , 2018 , 8, 9982	4.9	39
117	De Novo Assembly and Characterization of the Transcriptome of the Chinese Medicinal Herb, <i>Gentiana rigescens</i> . <i>International Journal of Molecular Sciences</i> , 2015 , 16, 11550-73	6.3	32
116	Arsenic speciation in mushrooms using dimensional chromatography coupled to ICP-MS detector. <i>Chemosphere</i> , 2019 , 233, 223-233	8.4	28
115	Arsenic concentrations and associated health risks in <i>Laccaria</i> mushrooms from Yunnan (SW China). <i>Biological Trace Element Research</i> , 2015 , 164, 261-6	4.5	28
114	Discrimination of wild <i>Paris</i> based on near infrared spectroscopy and high performance liquid chromatography combined with multivariate analysis. <i>PLoS ONE</i> , 2014 , 9, e89100	3.7	28
113	Arsenic and arsenic speciation in mushrooms from China: A review. <i>Chemosphere</i> , 2020 , 246, 125685	8.4	28
112	Evaluation of heavy metal concentrations of edible wild-grown mushrooms from China. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017 , 52, 178-183	2.2	26
111	Discrimination of <i>Gentiana rigescens</i> from Different Origins by Fourier Transform Infrared Spectroscopy Combined with Chemometric Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2015 , 98, 22-6	1.7	26
110	Traceability of wild <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> based on data fusion strategy of FT-MIR and UV-Vis combined with SVM and random forest. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 205, 479-488	4.4	26

109	Synergistic strategy for the geographical traceability of wild <i>Boletus tomentipes</i> by means of data fusion analysis. <i>Microchemical Journal</i> , 2018 , 140, 38-46	4.8	24
108	Phytochemicals and bioactivities of <i>Paris</i> species. <i>Journal of Asian Natural Products Research</i> , 2011 , 13, 670-681	1.5	24
107	Traditional uses, chemical diversity and biological activities of <i>Panax L.</i> (Araliaceae): A review. <i>Journal of Ethnopharmacology</i> , 2020 , 263, 112792	5	24
106	Traceability of Boletaceae mushrooms using data fusion of UV-visible and FTIR combined with chemometrics methods. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 2215-2222	4.3	23
105	Rapid and simple determination of polyphyllin I, II, VI, and VII in different harvest times of cultivated <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> (Franch.) Hand.-Mazz by UPLC-MS/MS and FT-IR. <i>Journal of Natural Medicines</i> , 2017 , 71, 139-147	3.3	23
104	Attenuated Total Reflection-Fourier Transform Infrared Spectroscopy (ATR-FTIR) Combined with Chemometrics Methods for the Classification of <i>Lingzhi</i> Species. <i>Molecules</i> , 2019 , 24,	4.8	21
103	Geographic identification of <i>Boletus</i> mushrooms by data fusion of FT-IR and UV spectroscopies combined with multivariate statistical analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 198, 257-263	4.4	21
102	Feature Fusion of ICP-AES, UV-Vis and FT-MIR for Origin Traceability of <i>Boletus edulis</i> Mushrooms in Combination with Chemometrics. <i>Sensors</i> , 2018 , 18,	3.8	21
101	Data Fusion of Fourier Transform Mid-Infrared (MIR) and Near-Infrared (NIR) Spectroscopies to Identify Geographical Origin of Wild var.. <i>Molecules</i> , 2019 , 24,	4.8	21
100	Comprehensive quality assessment of <i>Dendrobium officinale</i> using ATR-FTIR spectroscopy combined with random forest and support vector machine regression. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 205, 637-648	4.4	20
99	Traditional uses, chemical components and pharmacological activities of the genus <i>P.</i> Karst.: a review.. <i>RSC Advances</i> , 2020 , 10, 42084-42097	3.7	20
98	Quality Assessment of <i>Gentiana rigescens</i> from Different Geographical Origins Using FT-IR Spectroscopy Combined with HPLC. <i>Molecules</i> , 2017 , 22,	4.8	18
97	Chemotaxonomic Studies of Nine Gentianaceae Species from Western China Based on Liquid Chromatography Tandem Mass Spectrometry and Fourier Transform Infrared Spectroscopy. <i>Phytochemical Analysis</i> , 2016 , 27, 158-67	3.4	18
96	Ultraviolet spectroscopy combined with ultra-fast liquid chromatography and multivariate statistical analysis for quality assessment of wild <i>Wolfiporia extensa</i> from different geographical origins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 165, 61-68	4.4	18
95	Mercury in raw mushrooms and in stir-fried in deep oil mushroom meals. <i>Journal of Food Composition and Analysis</i> , 2019 , 82, 103239	4.1	17
94	Investigation of chemical diversity in different parts and origins of ethnomedicine <i>Gentiana rigescens</i> Franch using targeted metabolite profiling and multivariate statistical analysis. <i>Biomedical Chromatography</i> , 2016 , 30, 232-40	1.7	17
93	Effect of cultivation years on saponins in <i>Paris Polyphylla</i> var. <i>yunnanensis</i> using ultra-high liquid chromatography tandem mass spectrometry and Fourier transform infrared spectroscopy. <i>Plant Growth Regulation</i> , 2018 , 84, 373-381	3.2	17
92	Optimization of ultrasonic extraction by response surface methodology combined with ultrafast liquid chromatography-ultraviolet method for determination of four iridoids in <i>Gentiana rigescens</i> . <i>Journal of Food and Drug Analysis</i> , 2015 , 23, 529-537	7	16

91	FT-MIR and UV-Vis data fusion strategy for origins discrimination of wild Paris Polyphylla Smith var. yunnanensis. <i>Vibrational Spectroscopy</i> , 2018 , 96, 125-136	2.1	16
90	Quantitative evaluation and discrimination of wild Paris polyphylla var. yunnanensis (Franch.) Hand.-Mazz from three regions of Yunnan Province using UHPLC-UV-MS and UV spectroscopy couple with partial least squares discriminant analysis. <i>Journal of Natural Medicines</i> , 2017 , 71, 148-157	3.3	16
89	Comprehensive Quality Assessment Based Specific Chemical Profiles for Geographic and Tissue Variation in Using HPLC and FTIR Method Combined with Principal Component Analysis. <i>Frontiers in Chemistry</i> , 2017 , 5, 125	5	16
88	A Comprehensive and Comparative Study of Wolfiporia extensa Cultivation Regions by Fourier Transform Infrared Spectroscopy and Ultra-Fast Liquid Chromatography. <i>PLoS ONE</i> , 2016 , 11, e0168998	3.7	16
87	Classification of Paris species according to botanical and geographical origins based on spectroscopic, chromatographic, conventional chemometric analysis and data fusion strategy. <i>Microchemical Journal</i> , 2018 , 143, 367-378	4.8	16
86	Chemotaxonomic studies of nine Paris species from China based on ultra-high performance liquid chromatography tandem mass spectrometry and Fourier transform infrared spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 140, 20-30	3.5	15
85	Contents of some metabolites in the peel and flesh of the medicinal mushroom Wolfiporia cocos (F.A. Wolf) Ryvardeen et Gilb. (higher Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2012 , 14, 79-83	1.3	15
84	Quantitative and Qualitative Characterization of Franch (Gentianaceae) on Different Parts and Cultivations Years by HPLC and FTIR Spectroscopy. <i>Journal of Analytical Methods in Chemistry</i> , 2017 , 2017, 3194146	2	14
83	Geographical Authentication of Gentiana Rigescens by High-Performance Liquid Chromatography and Infrared Spectroscopy. <i>Analytical Letters</i> , 2018 , 51, 2173-2191	2.2	14
82	Deep learning for species identification of bolete mushrooms with two-dimensional correlation spectral (2DCOS) images. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 249, 119211	4.4	14
81	Authentication of Dendrobium Species Using Near-Infrared and Ultraviolet-Visible Spectroscopy with Chemometrics and Data Fusion. <i>Analytical Letters</i> , 2018 , 51, 2792-2821	2.2	14
80	Differentiation and comparison of Wolfiporia cocos raw materials based on multi-spectral information fusion and chemometric methods. <i>Scientific Reports</i> , 2018 , 8, 13043	4.9	14
79	Geographical Authentication of by a Data Fusion Method Combining Ultra-Fast Liquid Chromatography and Fourier Transform Infrared Spectroscopy. <i>Molecules</i> , 2019 , 24,	4.8	13
78	Application of variable selection in the origin discrimination of Wolfiporia cocos (F.A. Wolf) Ryvardeen & Gilb. based on near infrared spectroscopy. <i>Scientific Reports</i> , 2018 , 8, 89	4.9	13
77	Traceability the provenience of cultivated Paris polyphylla Smith var. yunnanensis using ATR-FTIR spectroscopy combined with chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 212, 132-145	4.4	13
76	Fourier transform mid-infrared spectroscopy and chemometrics to identify and discriminate Boletus edulis and Boletus tomentipes mushrooms. <i>International Journal of Food Properties</i> , 2017 , 20, S56-S68	3	12
75	Geographical traceability of cultivated Paris polyphylla var. yunnanensis using ATR-FTMIR spectroscopy with three mathematical algorithms. <i>Analytical Methods</i> , 2019 , 11, 113-122	3.2	12
74	A fast multi-source information fusion strategy based on FTIR spectroscopy for geographical authentication of wild Gentiana rigescens. <i>Microchemical Journal</i> , 2020 , 159, 105360	4.8	12

73	A practical method superior to traditional spectral identification: Two-dimensional correlation spectroscopy combined with deep learning to identify Paris species. <i>Microchemical Journal</i> , 2021 , 160, 105731	4.8	12
72	Determination of Iridoids in <i>Gentiana rigescens</i> by Infrared Spectroscopy and Multivariate Analysis. <i>Analytical Letters</i> , 2017 , 50, 389-401	2.2	11
71	Characterization of <i>Paris polyphylla</i> var. <i>yunnanensis</i> by Infrared and Ultraviolet Spectroscopies with Chemometric Data Fusion. <i>Analytical Letters</i> , 2018 , 51, 1730-1742	2.2	11
70	Characterization of <i>Gentiana rigescens</i> by Ultraviolet-Visible and Infrared Spectroscopies with Chemometrics. <i>Analytical Letters</i> , 2017 , 50, 1497-1511	2.2	11
69	Characteristic Fingerprint Based on Low Polar Constituents for Discrimination of <i>Wolfiporia extensa</i> according to Geographical Origin Using UV Spectroscopy and Chemometrics Methods. <i>Journal of Analytical Methods in Chemistry</i> , 2014 , 2014, 519424	2	11
68	Application of Authentication Evaluation Techniques of Ethnobotanical Medicinal Plant Genus : A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2020 , 50, 405-423	5.2	11
67	Contents and Health Risk Assessment of Elements in Three Edible Ectomycorrhizal Fungi (Boletaceae) from Polymetallic Soils in Yunnan Province, SW China. <i>Biological Trace Element Research</i> , 2020 , 195, 250-259	4.5	11
66	Discrimination of and Its Related Species Using IR Spectroscopy Combined with Feature Selection and Stacked Generalization. <i>Molecules</i> , 2020 , 25,	4.8	11
65	Comparison and Identification for Rhizomes and Leaves of <i>Paris yunnanensis</i> Based on Fourier Transform Mid-Infrared Spectroscopy Combined with Chemometrics. <i>Molecules</i> , 2018 , 23,	4.8	11
64	Development and validation of a UPLC-MS/MS method for the simultaneous determination and detection of four neurotoxic compounds in different parts of <i>Gentiana rigescens</i> Franch using multiple reaction monitoring and precursor ion scanning. <i>Analytical Methods</i> , 2014 , 6, 1782	3.2	10
63	Geographic Characterization of <i>Leccinum rugosiceps</i> by Ultraviolet and Infrared Spectral Fusion. <i>Analytical Letters</i> , 2017 , 50, 2257-2269	2.2	10
62	Quantitative Analysis in Combination with Fingerprint Technology and Chemometric Analysis Applied for Evaluating Six Species of Wild Using UHPLC-UV-MS. <i>Journal of Analytical Methods in Chemistry</i> , 2016 , 2016, 3182796	2	10
61	Structural characterisation and discrimination of the aerial parts of <i>Paris polyphylla</i> var. <i>yunnanensis</i> and <i>Paris polyphylla</i> var. <i>chinensis</i> by UHPLC-QTOF-MS coupled with multivariate data analysis. <i>Phytochemical Analysis</i> , 2019 , 30, 437-446	3.4	10
60	An additional data fusion strategy for the discrimination of porcini mushrooms from different species and origins in combination with four mathematical algorithms. <i>Food and Function</i> , 2018 , 9, 5903-5911	6.1	10
59	Original plant traceability of species using multi-spectroscopy fusion and mathematical models. <i>Royal Society Open Science</i> , 2019 , 6, 190399	3.3	9
58	Liquid Chromatography Tandem Mass Spectrometry Combined with Fourier Transform Mid-Infrared Spectroscopy and Chemometrics for Comparative Analysis of Raw and Processed <i>Gentiana rigescens</i> . <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 1407-1416	1.3	9
57	Discrimination of Boletaceae mushrooms based on data fusion of FT-IR and ICP-AES combined with SVM. <i>International Journal of Food Properties</i> , 2018 , 21, 255-266	3	9
56	Assessing Geographical Origin of Using Untargeted Chromatographic Fingerprint, Data Fusion and Chemometrics. <i>Molecules</i> , 2019 , 24,	4.8	9

55	Exploring Geographical Differentiation of the Hoelen Medicinal Mushroom, <i>Wolfiporia extensa</i> (Agaricomycetes), Using Fourier-Transform Infrared Spectroscopy Combined with Multivariate Analysis. <i>International Journal of Medicinal Mushrooms</i> , 2016 , 18, 721-731	1.3	9
54	Assessing the impacts of climate change and habitat suitability on the distribution and quality of medicinal plant using multiple information integration: Take <i>Gentiana rigescens</i> as an example. <i>Ecological Indicators</i> , 2021 , 123, 107376	5.8	9
53	Ultraviolet Spectroscopy Used to Fingerprint Five Wild-Grown Edible Mushrooms (Boletaceae) Collected from Yunnan, China. <i>Journal of Spectroscopy</i> , 2016 , 2016, 1-8	1.5	9
52	Quantitative determination and evaluation of <i>Paris polyphylla</i> var. <i>yunnanensis</i> with different harvesting times using UPLC-UV-MS and FT-IR spectroscopy in combination with partial least squares discriminant analysis. <i>Biomedical Chromatography</i> , 2017 , 31, e3913	1.7	8
51	Evaluation and quantitative analysis of different growth periods of herb-arbor intercropping systems using HPLC and UV-vis methods coupled with chemometrics. <i>Journal of Natural Medicines</i> , 2016 , 70, 803-10	3.3	8
50	Investigation of metabolites accumulation in medical plant <i>Gentiana rigescens</i> during different growing stage using LC-MS/MS and FT-IR. <i>Botanical Studies</i> , 2015 , 56, 14	2.3	8
49	Application of Identification and Evaluation Techniques for Ethnobotanical Medicinal Plant of Genus : A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 373-398	5.2	7
48	Determination of Total Steroid Saponins in Different Species of Using FTIR Combined with Chemometrics. <i>Journal of AOAC INTERNATIONAL</i> , 2018 , 101, 732-738	1.7	7
47	Method Superior to Traditional Spectral Identification: FT-NIR Two-Dimensional Correlation Spectroscopy Combined with Deep Learning to Identify the Shelf Life of Fresh. <i>ACS Omega</i> , 2021 , 6, 19665-19674	3.9	7
46	Geographical traceability of Boletaceae mushrooms using data fusion of FT-IR, UV, and ICP-AES combined with SVM. <i>International Journal of Food Properties</i> , 2019 , 22, 414-426	3	6
45	Geographic Authentication of Leaves Using Multivariate Analysis and Preliminary Study on the Compositional Response to Environment. <i>Frontiers in Plant Science</i> , 2020 , 11, 79	6.2	6
44	Species discrimination and total polyphenol prediction of porcini mushrooms by fourier transform mid-infrared (FT-MIR) spectrometry combined with multivariate statistical analysis. <i>Food Science and Nutrition</i> , 2020 , 8, 754-766	3.2	6
43	Determination and Multivariate Analysis of Mineral Elements in the Medicinal Hoelen Mushroom, <i>Wolfiporia extensa</i> (Agaricomycetes), from China. <i>International Journal of Medicinal Mushrooms</i> , 2016 , 18, 433-44	1.3	6
42	Deep learning for geographical discrimination of <i>Panax notoginseng</i> with directly near-infrared spectra image. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020 , 197, 103913	3.8	6
41	Multi-platform integration based on NIR and UV-Vis spectroscopies for the geographical traceability of the fruits of <i>Amomum tsao-ko</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 258, 119872	4.4	6
40	A fast and effective way for authentication of <i>Dendrobium</i> species: 2DCOS combined with ResNet based on feature bands extracted by spectrum standard deviation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120070	4.4	6
39	Multivariate characterization of elements accumulated in <i>Wolfiporia extensa</i> mushroom from Yunnan province of China. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017 , 52, 206-213	2.2	5
38	Geographic origin identification and rapid determination of four constituents of <i>Gentiana rigescens</i> by FTIR combined with chemometrics. <i>Journal of Chemometrics</i> , 2019 , 33, e3115	1.6	5

37	A new analytical method for discrimination of species in Ganodermataceae mushrooms. <i>International Journal of Food Properties</i> , 2020 , 23, 227-240	3	5
36	Identification of <i>Gentiana rigescens</i> from different geographical origins based on HPLC and FTIR fingerprints. <i>Analytical Methods</i> , 2020 , 12, 2260-2271	3.2	5
35	Variations in Element Levels Accumulated in Different Parts of <i>Boletus edulis</i> Collected from Central Yunnan Province, China. <i>Journal of Chemistry</i> , 2015 , 2015, 1-7	2.3	5
34	Study on Quality Response to Environmental Factors and Geographical Traceability of Wild <i>s</i> Franch. <i>Frontiers in Plant Science</i> , 2020 , 11, 1128	6.2	5
33	Identification and evaluation of <i>Polygonatum kingianum</i> with different growth ages based on data fusion strategy. <i>Microchemical Journal</i> , 2021 , 160, 105662	4.8	5
32	Geographical discrimination of <i>Boletus edulis</i> using two dimensional correlation spectral or integrative two dimensional correlation spectral image with ResNet. <i>Food Control</i> , 2021 , 129, 108132	6.2	5
31	Optimization of Gentsides Extraction from <i>Gentiana rigescens</i> Franch. ex Hemsl. by Response Surface Methodology. <i>Journal of Analytical Methods in Chemistry</i> , 2015 , 2015, 819067	2	4
30	Effects on volatile oil and volatile compounds of <i>Amomum tsao-ko</i> with different pre-drying and drying methods. <i>Industrial Crops and Products</i> , 2021 , 174, 114168	5.9	4
29	Fusion of Ultraviolet and Infrared Spectra Using Support Vector Machine and Random Forest Models for the Discrimination of Wild and Cultivated Mushrooms. <i>Analytical Letters</i> , 2020 , 53, 1019-1033 ^{2.2}	3.2	4
28	Comparison and quantitative analysis of wild and cultivated <i>Macrohyporia cocos</i> using attenuated total reflection-Fourier transform infrared spectroscopy combined with ultra-fast liquid chromatography. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 226, 117633	4.4	4
27	Investigation of a Medical Plant for Hepatic Diseases with Secoiridoids Using HPLC and FT-IR Spectroscopy for a Case of. <i>Molecules</i> , 2020 , 25,	4.8	3
26	Authentication of <i>Dendrobium Officinale</i> from Similar Species with Infrared and Ultraviolet-Visible Spectroscopies with Data Visualization and Mining. <i>Analytical Letters</i> , 2020 , 53, 1774-1793	2.2	3
25	Species and Geographical Origins Discrimination of Porcini Mushrooms Based on FT-IR Spectroscopy and Mineral Elements Combined with Sparse Partial Least Square-Discriminant Analysis. <i>Journal of Food Science</i> , 2019 , 84, 2112-2120	3.4	3
24	Multi-source information fusion strategies of aerial parts in FTIR-ATR spectroscopic characterization and classification of <i>Paris polyphylla</i> var. <i>yunnanensis</i> . <i>Journal of Molecular Structure</i> , 2019 , 1196, 478-490	3.4	3
23	Capturing the Geoherbism Differentiation in Wild var. Raw Materials through the Application of Multispectral Information Fusion Combined with Chemometrics. <i>ACS Omega</i> , 2019 , 4, 18820-18832	3.9	3
22	Geographical traceability of <i>Eucommia ulmoides</i> leaves using attenuated total reflection Fourier transform infrared and ultraviolet-visible spectroscopy combined with chemometrics and data fusion. <i>Industrial Crops and Products</i> , 2021 , 160, 113090	5.9	3
21	Superiority Verification of Deep Learning in the Identification of Medicinal Plants: Taking var. as an Example. <i>Frontiers in Plant Science</i> , 2021 , 12, 752863	6.2	3
20	Study on the identification and evaluation of growth years for <i>Paris polyphylla</i> var. <i>yunnanensis</i> using deep learning combined with 2DCOS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120033	4.4	3

19	FTIR and UV spectra for the prediction of triterpene acids in <i>Macrohyporia cocos</i> . <i>Microchemical Journal</i> , 2020 , 158, 105167	4.8	2
18	The Storage Period Discrimination of Bolete Mushrooms Based on Deep Learning Methods Combined With Two-Dimensional Correlation Spectroscopy and Integrative Two-Dimensional Correlation Spectroscopy.. <i>Frontiers in Microbiology</i> , 2021 , 12, 771428	5.7	2
17	Comparison of metabolites and variety authentication of <i>Amomum tsao-ko</i> and <i>Amomum paratsao-ko</i> using GC-MS and NIR spectroscopy. <i>Scientific Reports</i> , 2021 , 11, 15200	4.9	2
16	Comparison of Geographical Traceability of Wild and Cultivated with Different Data Fusion Approaches. <i>Journal of Analytical Methods in Chemistry</i> , 2021 , 2021, 5818999	2	2
15	Discrimination and evaluation <i>Gentiana rigescens</i> / <i>Camellia sinensis</i> with different planting year using Fourier transform infrared spectroscopy. <i>Agroforestry Systems</i> , 2019 , 93, 1157-1166	2	2
14	Geographical traceability and multielement analysis of edible and medicinal fungi: Taking <i>Wolfiporia cocos</i> (F.A. Wolf) Ryvar den and Gilb. as an example. <i>Journal of Food Science</i> , 2021 , 86, 770-778 ^{3,4}	3.4	2
13	Verified the rapid evaluation of the edible safety of wild porcini mushrooms, using deep learning and PLS-DA. <i>Journal of the Science of Food and Agriculture</i> , 2021 ,	4.3	2
12	2DCOS combined with CNN and blockchain to trace the species of boletes. <i>Microchemical Journal</i> , 2022 , 177, 107260	4.8	1
11	Multisource information fusion strategies of mass spectrometry and Fourier transform infrared spectroscopy data for authenticating the age and parts of Vietnamese ginseng. <i>Journal of Chemometrics</i> , 2021 , 35, e3376	1.6	1
10	Different strategies in biomass allocation across elevation in two <i>Gentiana</i> plants on the Yunnan-Guizhou Plateau, China. <i>Journal of Mountain Science</i> , 2020 , 17, 2750-2757	2.1	1
9	Extended application of deep learning combined with 2DCOS: Study on origin identification in the medicinal plant of <i>Paris polyphylla</i> var. <i>yunnanensis</i> . <i>Phytochemical Analysis</i> , 2021 ,	3.4	1
8	Pattern recognition: An effective tool for quality assessment of herbal medicine based on chemical information. <i>Journal of Chemometrics</i> , 2021 , 35, e3305	1.6	1
7	Environmental impact on the variability in quality of <i>Gentiana rigescens</i> , a medicinal plant in southwest China. <i>Global Ecology and Conservation</i> , 2020 , 24, e01374	2.8	0
6	Application of infrared spectroscopy combined with chemometrics in mushroom. <i>Applied Spectroscopy Reviews</i> , 1-28	4.5	0
5	A fast multi-source information fusion strategy based on deep learning for species identification of boletes.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 274, 121137	4.4	0
4	Multi-information based on ATR-FTIR and FT-NIR for identification and evaluation for different parts and harvest time of <i>Dendrobium officinale</i> with chemometrics. <i>Microchemical Journal</i> , 2022 , 178, 107430	4.8	0
3	Occurrence, distribution, and associations of essential and non-essential elements in the medicinal and edible fungus "Fuling" from southern China.. <i>Science of the Total Environment</i> , 2022 , 831, 155011	10.2	0
2	Vibrational Spectroscopy Combined with Chemometrics in Authentication of Functional Foods.. <i>Critical Reviews in Analytical Chemistry</i> , 2022 , 1-22	5.2	0

- 1 A Novel Multi-Preprocessing Integration Method for the Qualitative and Quantitative Assessment of Wild Medicinal Plants: as an Example. *Frontiers in Plant Science*, **2021**, 12, 759248 6.2