

Ji Zhang

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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.

95
papers

1,682
citations

22
h-index

35
g-index

103
ext. papers

2,109
ext. citations

3.5
avg, IF

5.15
L-index

#	Paper	IF	Citations
95	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
94	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
93	Carbon:Nitrogen:Phosphorus Stoichiometry in Fungi: A Meta-Analysis. <i>Frontiers in Microbiology</i> , 2017 , 8, 1281	5.7	55
92	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
91	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
90	Evaluation of the mercury contamination in mushrooms of genus <i>Leccinum</i> from two different regions of the world: Accumulation, distribution and probable dietary intake. <i>Science of the Total Environment</i> , 2015 , 537, 470-8	10.2	50
89	Trace element content of <i>Boletus tomentipes</i> mushroom collected from Yunnan, China. <i>Food Chemistry</i> , 2011 , 127, 1828-1830	8.5	44
88	Phytochemistry and Pharmacological Activities of the Genus <i>Gentiana</i> (Gentianaceae). <i>Chemistry and Biodiversity</i> , 2016 , 13, 107-50	2.5	43
87	Effects of ecological factors on secondary metabolites and inorganic elements of <i>Scutellaria baicalensis</i> and analysis of geoherbism. <i>Science China Life Sciences</i> , 2013 , 56, 1047-56	8.5	37
86	Mercury contamination of fungi genus <i>Xerocomus</i> in the Yunnan province in China and the region of Europe. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 1342-50	2.3	34
85	Mineral element levels in wild edible mushrooms from Yunnan, China. <i>Biological Trace Element Research</i> , 2012 , 147, 341-5	4.5	32
84	Metallic elements and metalloids in <i>Boletus luridus</i> , <i>B. magnificus</i> and <i>B. tomentipes</i> mushrooms from polymetallic soils from SW China. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 497-502	7	28
83	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
82	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
81	Arsenic and arsenic speciation in mushrooms from China: A review. <i>Chemosphere</i> , 2020 , 246, 125685	8.4	28
80	Artificial Cs and natural K in mushrooms from the subalpine region of the Minya Konka summit and Yunnan Province in China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 615-627	5.1	27
79	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

78	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
77	Radioactive artificial Cs and natural K activity in 21 edible mushrooms of the genus <i>Boletus</i> species from SW China. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8189-8199	5.1	26
76	Phytochemicals and bioactivities of <i>Paris</i> species. <i>Journal of Asian Natural Products Research</i> , 2011 , 13, 670-681	1.5	24
75	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
74	Mercury in forest mushrooms and topsoil from the Yunnan highlands and the subalpine region of the Minya Konka summit in the Eastern Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 23730-23741	5.1	23
73	Radiocaesium pollution of fly agaric <i>Amanita muscaria</i> in fruiting bodies decreases with developmental stage. <i>Isotopes in Environmental and Health Studies</i> , 2019 , 55, 317-324	1.5	22
72	Mercury in stir-fried and raw mushrooms from the Boletaceae family from the geochemically anomalous region in the Midu county, China. <i>Food Control</i> , 2019 , 102, 17-21	6.2	20
71	Characteristic fingerprinting based on macamides for discrimination of maca (<i>Lepidium meyenii</i>) by LC/MS/MS and multivariate statistical analysis. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 4475-83	4.3	20
70	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
69	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
68	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
67	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
66	Metallic and metalloid elements in various developmental stages of <i>Amanita muscaria</i> (L.) Lam. <i>Fungal Biology</i> , 2020 , 124, 174-182	2.8	17
65	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
64	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
63	Simultaneous Analysis of Macamides in Maca (<i>Lepidium meyenii</i>) with Different Drying Process by Liquid Chromatography Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2016 , 9, 1686-1695	3.4	16
62	Quantitative evaluation and discrimination of wild <i>Paris polyphylla</i> var. <i>yunnanensis</i> (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
61	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

60	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
59	Simultaneous determination of six index constituents and comparative analysis of four ethnomedicines from genus <i>Gentiana</i> using a UPLC-UV-MS method. <i>Biomedical Chromatography</i> , 2015 , 29, 87-96	1.7	15
58	Contents of some metabolites in the peel and flesh of the medicinal mushroom <i>Wolfiporia cocos</i> (F.A. Wolf) Ryvardeen et Gilb. (higher Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2012 , 14, 79-83	1.3	15
57	Mineral constituents of conserved white button mushrooms: similarities and differences. <i>Roczniki Panstwowego Zakladu Higieny</i> , 2019 , 70, 15-25	1.2	15
56	Quantitative and Qualitative Characterization of Franch (<i>Gentianaceae</i>) on Different Parts and Cultivations Years by HPLC and FTIR Spectroscopy. <i>Journal of Analytical Methods in Chemistry</i> , 2017 , 2017, 3194146	2	14
55	Geographical Authentication of <i>Gentiana Rigescens</i> by High-Performance Liquid Chromatography and Infrared Spectroscopy. <i>Analytical Letters</i> , 2018 , 51, 2173-2191	2.2	14
54	Bioconcentration potential and contamination with mercury of pantropical mushroom <i>Macrocybe gigantea</i> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014 , 49, 811-4	2.2	14
53	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
52	Application of variable selection in the origin discrimination of <i>Wolfiporia cocos</i> (F.A. Wolf) Ryvardeen & Gilb. based on near infrared spectroscopy. <i>Scientific Reports</i> , 2018 , 8, 89	4.9	13
51	Fourier transform mid-infrared spectroscopy and chemometrics to identify and discriminate <i>Boletus edulis</i> and <i>Boletus tomentipes</i> mushrooms. <i>International Journal of Food Properties</i> , 2017 , 20, S56-S68	3	12
50	Effects of LaCl ₃ on photosynthesis and the accumulation of tanshinones and salvianolic acids in <i>Salvia miltiorrhiza</i> seedlings. <i>Journal of Rare Earths</i> , 2011 , 29, 494-498	3.7	12
49	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
48	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
47	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
46	Contents and Health Risk Assessment of Elements in Three Edible Ectomycorrhizal Fungi (<i>Boletaceae</i>) from Polymetallic Soils in Yunnan Province, SW China. <i>Biological Trace Element Research</i> , 2020 , 195, 250-259	4.5	11
45	Arsenic in Edible and Medicinal Mushrooms from Southwest China. <i>International Journal of Medicinal Mushrooms</i> , 2015 , 17, 601-5	1.3	10
44	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
43	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

42	Cs, K, and K in raw and stir-fried mushrooms from the Boletaceae family from the Midu region in Yunnan, Southwest China. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 32509-32517	5.1	9
41	Bolete mushroom <i>Boletus bainiugan</i> from Yunnan as a reflection of the geographical distribution of Po, Pb and uranium (U, U, U) radionuclides, their intake rates and effective exposure doses. <i>Chemosphere</i> , 2020 , 253, 126585	8.4	9
40	Content and Bioaccumulation of Nine Mineral Elements in Ten Mushroom Species of the Genus <i>Boletus</i> . <i>Journal of Analytical Methods in Chemistry</i> , 2015 , 2015, 165412	2	9
39	Artificial (137)Cs and (134)Cs and natural (40)K in sclerotia of <i>Wolfiporia extensa</i> fungus collected across of the Yunnan land in China. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2015 , 50, 654-8	2.2	9
38	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
37	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
36	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
35	Comparative metabolic fingerprinting of <i>Gentiana rhodantha</i> from different geographical origins using LC-UV-MS/MS and multivariate statistical analysis. <i>BMC Biochemistry</i> , 2015 , 16, 9	4.8	8
34	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
33	Comparison of Mineral Element Content in a Functional Food Maca (<i>Lepidium meyenii</i> Walp.) from Asia and South America. <i>Journal of Analytical Methods in Chemistry</i> , 2015 , 2015, 530541	2	8
32	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
31	Distribution and possible dietary intake of radioactive 137Cs, 40K and 226Ra with the pantropical mushroom <i>Macrocybe gigantea</i> in SW China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 941-5	2.3	8
30	Occurrence, distribution and estimated intake of mercury and selenium from sclerotia of the medicinal fungus <i>Wolfiporia cocos</i> from China. <i>Chemosphere</i> , 2020 , 247, 125928	8.4	7
29	The traditional uses, phytochemistry, and pharmacological properties of <i>Paris L.</i> (Liliaceae): A review. <i>Journal of Ethnopharmacology</i> , 2021 , 278, 114293	5	7
28	Artificial (Cs) and natural (K) radioactivity and total potassium in medicinal fungi from Yunnan in China. <i>Isotopes in Environmental and Health Studies</i> , 2020 , 56, 324-333	1.5	6
27	Arsenic, cadmium and lead in sclerotia of <i>Wolfiporia extensa</i> of Yunnan, China. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2016 , 9, 106-12	3.3	6
26	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
25	Mercury in traditionally foraged species of fungi (macromycetes) from the karst area across Yunnan province in China. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 9421-9432	5.7	6

24	Multivariate characterization of elements accumulated in Wolfiporia extensa 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
23	Geographic origin identification and rapid determination of four constituents of Gentiana rigescens by FTIR combined with chemometrics. <i>Journal of Chemometrics</i> , 2019 , 33, e3115	1.6	5
22	Identification of Gentiana rigescens from different geographical origins based on HPLC and FTIR fingerprints. <i>Analytical Methods</i> , 2020 , 12, 2260-2271	3.2	5
21	Determination of mineral contents of wild Boletus edulis mushroom and its edible safety assessment. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2018 , 53, 454-463	2.2	5
20	Variations in Element Levels Accumulated in Different Parts of Boletus edulis Collected from Central Yunnan Province, China. <i>Journal of Chemistry</i> , 2015 , 2015, 1-7	2.3	5
19	Chemical properties of soil layers of restoration sites in phosphate mining area, China. <i>Environmental Earth Sciences</i> , 2015 , 73, 2027-2030	2.9	5
18	Geographical discrimination of Boletus edulis using two dimensional correlation spectral or integrative two dimensional correlation spectral image with ResNet. <i>Food Control</i> , 2021 , 129, 108132	6.2	5
17	Morphological variability and allometric relationships of the herb Panax notoginseng in Yunnan, China. <i>Acta Ecologica Sinica</i> , 2017 , 37, 65-69	2.7	4
16	Multielemental Stoichiometry in Plant Organs: A Case Study With the Alpine Herb Across Southwest China. <i>Frontiers in Plant Science</i> , 2020 , 11, 441	6.2	4
15	Multivariate analyses of major and trace elements in 19 species of herbs consumed in Yunnan, China. <i>International Journal of Food Properties</i> , 2017 , 20, 1666-1676	3	4
14	Determination of mineral elements in Gentiana rigescens from different zones of Yunnan, China. <i>Biological Trace Element Research</i> , 2012 , 147, 329-33	4.5	4
13	Use of gibberellic acid to overcome the allelopathic effect of a range of species on the germination of seeds of Gentiana rigescens, a medicinal herb. <i>Seed Science and Technology</i> , 2012 , 40, 443-447	0.6	4
12	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
11	Mineral element content in prized matsutake mushroom (Tricholoma matsutake) collected in China. <i>Chemical Papers</i> , 2013 , 67,	1.9	3
10	Mercury and selenium in developing and mature fruiting bodies of Amanita muscaria. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 60145-60153	5.1	3
9	Study on the identification and evaluation of growth years for Paris polyphylla var. yunnanensis using deep learning combined with 2DCOS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120033	4.4	3
8	Mercury in Sclerotia of Wolfiporia Extensa (Peck) Ginns Fungus Collected Across of the Yunnan Land. <i>Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis</i> , 2016 , 36, 3083-6		3
7	Allometry: a Perspective for Research on Dao-di Herbs. <i>Scientia Sinica Vitae</i> , 2013 , 43, 457-463	1.4	2

6	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
5	The impact of human activity on the biomass allocation of a medicinal herbaceous species in an agroforestry system of Southwest China. <i>Agroforestry Systems</i> , 2015 , 89, 469-476	2	1
4	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
3	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
2	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
1	A Novel Multi-Preprocessing Integration Method for the Qualitative and Quantitative Assessment of Wild Medicinal Plants: as an Example. <i>Frontiers in Plant Science</i> , 2021 , 12, 759248	6.2	