Ji Zhang

List of Publications by Year
in descending order

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98 papers	2,390 citations	201385 27 h-index	264894 42 g-index
103 all docs	103 docs citations	103 times ranked	1891 citing authors

#	Article	IF	Citations
1	A mini-review of chemical composition and nutritional value of edible wild-grown mushroom from China. Food Chemistry, 2014, 151, 279-285.	4.2	286
2	Mycology, cultivation, traditional uses, phytochemistry and pharmacology of Wolfiporia cocos (Schwein.) Ryvarden et Gilb.: A review. Journal of Ethnopharmacology, 2013, 147, 265-276.	2.0	141
3	Carbon:Nitrogen:Phosphorus Stoichiometry in Fungi: A Meta-Analysis. Frontiers in Microbiology, 2017, 8, 1281.	1.5	92
4	Phytochemistry and Pharmacological Activities of the Genus Gentiana (Gentianaceae). Chemistry and Biodiversity, 2016, 13, 107-150.	1.0	75
5	Geographical traceability of wild Boletus edulis based on data fusion of FT-MIR and ICP-AES coupled with data mining methods (SVM). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 177, 20-27.	2.0	71
6	Evaluation of Mercury Contamination in Fungi Boletus Species from Latosols, Lateritic Red Earths, and Red and Yellow Earths in the Circum-Pacific Mercuriferous Belt of Southwestern China. PLoS ONE, 2015, 10, e0143608.	1.1	55
7	Effects of ecological factors on secondary metabolites and inorganic elements of Scutellaria baicalensis and analysis of geoherblism. Science China Life Sciences, 2013, 56, 1047-1056.	2.3	53
8	Evaluation of the mercury contamination in mushrooms of genus Leccinum from two different regions of the world: Accumulation, distribution and probable dietary intake. Science of the Total Environment, 2015, 537, 470-478.	3.9	53
9	Trace element content of Boletus tomentipes mushroom collected from Yunnan, China. Food Chemistry, 2011, 127, 1828-1830.	4.2	51
10	Discrimination of Gentiana rigescens from Different Origins by Fourier Transform Infrared Spectroscopy Combined with Chemometric Methods. Journal of AOAC INTERNATIONAL, 2015, 98, 22-26.	0.7	43
11	Arsenic and arsenic speciation in mushrooms from China: A review. Chemosphere, 2020, 246, 125685.	4.2	41
12	Mineral Element Levels in Wild Edible Mushrooms from Yunnan, China. Biological Trace Element Research, 2012, 147, 341-345.	1.9	39
13	Geographical discrimination of Boletus edulis using two dimensional correlation spectral or integrative two dimensional correlation spectral image with ResNet. Food Control, 2021, 129, 108132.	2.8	38
14	Quality Assessment of Gentiana rigescens from Different Geographical Origins Using FT-IR Spectroscopy Combined with HPLC. Molecules, 2017, 22, 1238.	1.7	37
15	Mercury contamination of fungi genusXerocomusin the Yunnan province in China and the region of Europe. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1342-1350.	0.9	36
16	Artificial 137Cs and natural 40K in mushrooms from the subalpine region of the Minya Konka summit and Yunnan Province in China. Environmental Science and Pollution Research, 2018, 25, 615-627.	2.7	36
17	Deep learning for species identification of bolete mushrooms with two-dimensional correlation spectral (2DCOS) images. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119211.	2.0	36
18	Discrimination of Wild Paris Based on Near Infrared Spectroscopy and High Performance Liquid Chromatography Combined with Multivariate Analysis. PLoS ONE, 2014, 9, e89100.	1.1	36

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19	Radioactive artificial 137Cs and natural 40K activity in 21 edible mushrooms of the genus Boletus species from SW China. Environmental Science and Pollution Research, 2017, 24, 8189-8199.	2.7	32
20	Arsenic Concentrations and Associated Health Risks in Laccaria Mushrooms from Yunnan (SW China). Biological Trace Element Research, 2015, 164, 261-266.	1.9	31
21	Metallic elements and metalloids in Boletus luridus , B. magnificus and B. tomentipes mushrooms from polymetallic soils from SW China. Ecotoxicology and Environmental Safety, 2017, 142, 497-502.	2.9	31
22	Quantitative and Qualitative Characterization of Gentiana rigescens Franch (Gentianaceae) on Different Parts and Cultivations Years by HPLC and FTIR Spectroscopy. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-10.	0.7	31
23	The traditional uses, phytochemistry, and pharmacological properties of Paris L. (Liliaceae): A review. Journal of Ethnopharmacology, 2021, 278, 114293.	2.0	31
24	Evaluation of heavy metal concentrations of edible wild-grown mushrooms from China. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 178-183.	0.7	30
25	Rapid and simple determination of polyphyllin I, II, VI, and VII in different harvest times of cultivated Paris polyphylla Smith var. yunnanensis (Franch.) Hand.-Mazz by UPLC-MS/MS and FT-IR. Journal of Natural Medicines, 2017, 71, 139-147.	1.1	30
26	Simultaneous determination of six index constituents and comparative analysis of four ethnomedicines from genus Gentiana using a UPLCâ€UVâ€MS method. Biomedical Chromatography, 2015, 29, 87-96.	0.8	29
27	Mercury in stir-fried and raw mushrooms from the Boletaceae family from the geochemically anomalous region in the Midu county, China. Food Control, 2019, 102, 17-21.	2.8	28
28	Determination of Iridoids in Gentiana rigescens by Infrared Spectroscopy and Multivariate Analysis. Analytical Letters, 2017, 50, 389-401.	1.0	27
29	Phytochemicals and bioactivities ofParisspecies. Journal of Asian Natural Products Research, 2011, 13, 670-681.	0.7	25
30	Optimization of ultrasonic extraction by response surface methodology combined with ultrafast liquid chromatographyâ€“ultraviolet method for determination of four iridoids in Gentiana rigescens. Journal of Food and Drug Analysis, 2015, 23, 529-537.	0.9	24
31	Characteristic fingerprinting based on macamides for discrimination of maca (Lepidium meyenii) by LC/MS/MS and multivariate statistical analysis. Journal of the Science of Food and Agriculture, 2016, 96, 4475-4483.	1.7	24
32	Mercury in forest mushrooms and topsoil from the Yunnan highlands and the subalpine region of the Minya Konka summit in the Eastern Tibetan Plateau. Environmental Science and Pollution Research, 2016, 23, 23730-23741.	2.7	24
33	Radiocaesium pollution of fly agaric Amanita muscaria in fruiting bodies decreases with developmental stage. Isotopes in Environmental and Health Studies, 2019, 55, 317-324.	0.5	24
34	Study on the identification and evaluation of growth years for Paris polyphylla var. yunnanensis using deep learning combined with 2DCOS. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120033.	2.0	24
35	Metallic and metalloid elements in various developmental stages of Amanita muscaria (L.) Lam. Fungal Biology, 2020, 124, 174-182.	1.1	23
36	Contents of Some Metabolites in the Peel and Flesh of the Medicinal Mushroom Wolfiporia cocos (F.A. Wolf) Ryvarden et Gilb. (Higher Basidiomycetes). International Journal of Medicinal Mushrooms, 2012, 14, 79-83.	0.9	22

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37	Simultaneous Analysis of Macamides in Maca (Lepidium meyenii) with Different Drying Process by Liquid Chromatography Tandem Mass Spectrometry. Food Analytical Methods, 2016, 9, 1686-1695.	1.3	21
38	Comprehensive Quality Assessment Based Specific Chemical Profiles for Geographic and Tissue Variation in Gentiana rigescens Using HPLC and FTIR Method Combined with Principal Component Analysis. Frontiers in Chemistry, 2017, 5, 125.	1.8	21
39	Mercury in raw mushrooms and in stir-fried in deep oil mushroom meals. Journal of Food Composition and Analysis, 2019, 82, 103239.	1.9	21
40	Mineral constituents of conserved white button mushrooms: similarities and differences. Roczniki Panstwowego Zakladu Higieny, 2019, 70, 15-25.	0.5	21
41	Chemotaxonomic Studies of Nine Gentianaceae Species from Western <scp>China</scp> Based on Liquid Chromatography Tandem Mass Spectrometry and Fourier Transform Infrared Spectroscopy. Phytochemical Analysis, 2016, 27, 158-167.	1.2	20
42	Evaluation and quantitative analysis of different growth periods of herbâ€“arbor intercropping systems using HPLC and UVâ€“vis methods coupled with chemometrics. Journal of Natural Medicines, 2016, 70, 803-810.	1.1	20
43	Investigation of chemical diversity in different parts and origins of ethnomedicine Gentiana rigescens Franch using targeted metabolite profiling and multivariate statistical analysis. Biomedical Chromatography, 2016, 30, 232-240.	0.8	19
44	Multielemental Stoichiometry in Plant Organs: A Case Study With the Alpine Herb Gentiana rigescens Across Southwest China. Frontiers in Plant Science, 2020, 11, 441.	1.7	19
45	Bolete mushroom Boletus bainiugan from Yunnan as a reflection of the geographical distribution of 210Po, 210Pb and uranium (234U, 235U, 238U) radionuclides, their intake rates and effective exposure doses. Chemosphere, 2020, 253, 126585.	4.2	19
46	Ultraviolet spectroscopy combined with ultra-fast liquid chromatography and multivariate statistical analysis for quality assessment of wild Wolfiporia extensa from different geographical origins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 165, 61-68.	2.0	18
47	A Comprehensive and Comparative Study of Wolfiporia extensa Cultivation Regions by Fourier Transform Infrared Spectroscopy and Ultra-Fast Liquid Chromatography. PLoS ONE, 2016, 11, e0168998.	1.1	18
48	Content and Bioaccumulation of Nine Mineral Elements in Ten Mushroom Species of the GenusBoletus. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-7.	0.7	17
49	Fourier transform mid-infrared spectroscopy and chemometrics to identify and discriminate Boletus edulis and Boletus tomentipes mushrooms. International Journal of Food Properties, 2017, 20, S56-S68.	1.3	17
50	Quantitative evaluation and discrimination of wild Paris polyphylla var. yunnanensis (Franch.) Hand.-Mazz from three regions of Yunnan Province using UHPLCâ€“UVâ€“MS and UV spectroscopy couple with partial least squares discriminant analysis. Journal of Natural Medicines, 2017, 71, 148-157.	1.1	17
51	137Cs, 40K, and K in raw and stir-fried mushrooms from the Boletaceae family from the Midu region in Yunnan, Southwest China. Environmental Science and Pollution Research, 2020, 27, 32509-32517.	2.7	17
52	Quantitative Analysis in Combination with Fingerprint Technology and Chemometric Analysis Applied for Evaluating Six Species of Wild Paris Using UHPLC-UV-MS. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-9.	0.7	16
53	Geographical Authentication of Gentiana Rigescens by High-Performance Liquid Chromatography and Infrared Spectroscopy. Analytical Letters, 2018, 51, 2173-2191.	1.0	16
54	Contents and Health Risk Assessment of Elements in Three Edible Ectomycorrhizal Fungi (Boletaceae) from Polymetallic Soils in Yunnan Province, SW China. Biological Trace Element Research, 2020, 195, 250-259.	1.9	16

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55	Effects of LaCl3 on photosynthesis and the accumulation of tanshinones and salvianolic acids in Salvia miltiorrhiza seedlings. Journal of Rare Earths, 2011, 29, 494-498.	2.5	15
56	Bioconcentration potential and contamination with mercury of pantropical mushroomMacrocybe gigantea. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 811-814.	0.7	15
57	Characterization of Gentiana rigescens by Ultravioletâ€“Visible and Infrared Spectroscopies with Chemometrics. Analytical Letters, 2017, 50, 1497-1511.	1.0	15
58	Application of variable selection in the origin discrimination of Wolfiporia cocos (F.A. Wolf) Ryvarden & Gilb. based on near infrared spectroscopy. Scientific Reports, 2018, 8, 89.	1.6	15
59	Determination of mineral contents of wild Boletus edulis mushroom and its edible safety assessment. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 454-463.	0.7	14
60	Characteristic Fingerprint Based on Low Polar Constituents for Discrimination ofWolfiporia extensaaccording to Geographical Origin Using UV Spectroscopy and Chemometrics Methods. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-9.	0.7	13
61	Identification of Gentiana rigescens from different geographical origins based on HPLC and FTIR fingerprints. Analytical Methods, 2020, 12, 2260-2271.	1.3	13
62	Arsenic in Edible and Medicinal Mushrooms from Southwest China. International Journal of Medicinal Mushrooms, 2015, 17, 601-605.	0.9	13
63	Comparison of Mineral Element Content in a Functional Food Maca (Lepidium meyeniiWalp.) from Asia and South America. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-4.	0.7	12
64	Ultraviolet Spectroscopy Used to Fingerprint Five Wild-Grown Edible Mushrooms (Boletaceae) Collected from Yunnan, China. Journal of Spectroscopy, 2016, 2016, 1-8.	0.6	11
65	Occurrence, distribution and estimated intake of mercury and selenium from sclerotia of the medicinal fungus Wolfiporia cocos from China. Chemosphere, 2020, 247, 125928.	4.2	11
66	Liquid Chromatography Tandem Mass Spectrometry Combined with Fourier Transform Mid-Infrared Spectroscopy and Chemometrics for Comparative Analysis of Raw and Processed Gentiana rigescens. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1407-1416.	0.5	10
67	Quantitative determination and evaluation of Paris polyphylla var. yunnanensis with different harvesting times using UPLCâ€UVâ€MS and FTâ€IR spectroscopy in combination with partial least squares discriminant analysis. Biomedical Chromatography, 2017, 31, e3913.	0.8	10
68	Exploring Geographical Differentiation of the Hoelen Medicinal Mushroom, Wolfiporia extensa (Agaricomycetes), Using Fourier-Transform Infrared Spectroscopy Combined with Multivariate Analysis. International Journal of Medicinal Mushrooms, 2016, 18, 721-731.	0.9	10
69	Artificial (137)Cs and (134)Cs and natural (40)K in sclerotia of Wolfiporia extensa fungus collected across of the Yunnan land in China. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2015, 50, 654-8.	0.7	10
70	Distribution and possible dietary intake of radioactive 137Cs, 40K and 226Ra with the pantropical mushroom Macrocybe gigantea in SW China. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 941-5.	0.9	10
71	Comparative metabolic fingerprinting of Gentiana rhodantha from different geographical origins using LC-UV-MS/MS and multivariate statistical analysis. BMC Biochemistry, 2015, 16, 9.	4.4	9
72	Geographic origin identification and rapid determination of four constituents of Gentiana rigescens by FTIR combined with chemometrics. Journal of Chemometrics, 2019, 33, e3115.	0.7	9

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73	Investigation of metabolites accumulation in medical plant Gentiana rigescens during different growing stage using LC-MS/MS and FT-IR. , 2015, 56, 14.		8
74	Mercury in traditionally foraged species of fungi (macromycetes) from the karst area across Yunnan province in China. Applied Microbiology and Biotechnology, 2020, 104, 9421-9432.	1.7	8
75	Determination of Mineral Elements in Gentiana rigescens from Different Zones of Yunnan, China. Biological Trace Element Research, 2012, 147, 329-333.	1.9	7
76	Variations in Element Levels Accumulated in Different Parts ofBoletus edulisCollected from Central Yunnan Province, China. Journal of Chemistry, 2015, 2015, 1-7.	0.9	7
77	Chemical properties of soil layers of restoration sites in phosphate mining area, China. Environmental Earth Sciences, 2015, 73, 2027-2030.	1.3	7
78	Arsenic, cadmium and lead in sclerotia ofWolfiporia extensaof Yunnan, China. Food Additives and Contaminants: Part B Surveillance, 2016, 9, 106-112.	1.3	7
79	Different strategies in biomass allocation across elevation in two Gentiana plants on the Yunnan-Guizhou Plateau, China. Journal of Mountain Science, 2020, 17, 2750-2757.	0.8	7
80	Artificial (137Cs) and natural (40K) radioactivity and total potassium in medicinal fungi from Yunnan in China. Isotopes in Environmental and Health Studies, 2020, 56, 324-333.	0.5	7
81	Occurrence, distribution, and associations of essential and non-essential elements in the medicinal and edible fungus â€œFulingâ€•from southern China. Science of the Total Environment, 2022, 831, 155011.	3.9	7
82	Multivariate characterization of elements accumulated inWolfiporia extensamushroom from Yunnan province of China. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 206-213.	0.7	6
83	Mercury and selenium in developing and mature fruiting bodies of Amanita muscaria. Environmental Science and Pollution Research, 2021, 28, 60145-60153.	2.7	6
84	Determination and Multivariate Analysis of Mineral Elements in the Medicinal Hoelen Mushroom, Wolfiporia extensa (Agaricomycetes), from China. International Journal of Medicinal Mushrooms, 2016, 18, 433-444.	0.9	6
85	Mineral element content in prized matsutake mushroom (Tricholoma matsutake) collected in China. Chemical Papers, 2013, 67, .	1.0	5
86	Multivariate analyses of major and trace elements in 19 species of herbs consumed in Yunnan, China. International Journal of Food Properties, 2017, 20, 1666-1676.	1.3	5
87	Discrimination and evaluation Gentiana rigescensâ€“Camellia sinensis with different planting year using Fourier transform infrared spectroscopy. Agroforestry Systems, 2019, 93, 1157-1166.	0.9	5
88	Investigation of a Medical Plant for Hepatic Diseases with Secoiridoids Using HPLC and FT-IR Spectroscopy for a Case of Gentiana rigescens. Molecules, 2020, 25, 1219.	1.7	5
89	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. Seed Science and Technology, 2012, 40, 443-447.	0.6	4
90	Morphological variability and allometric relationships of the herb Panax notoginseng in Yunnan, China. Acta Ecologica Sinica, 2017, 37, 65-69.	0.9	4

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91	Environmental impact on the variability in quality of Gentiana rigescens, a medicinal plant in southwest China. Global Ecology and Conservation, 2020, 24, e01374.	1.0	3
92	Mercury in Sclerotia of Wolfiporia Extensa (Peck) Ginns Fungus Collected Across of the Yunnan Land. Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis, 2016, 36, 3083-6.	0.0	3
93	Allometry: a Perspective for Research on Dao-di Herbs. Scientia Sinica Vitae, 2013, 43, 457-463.	0.1	2
94	The impact of human activity on the biomass allocation of a medicinal herbaceous species in an agroforestry system of Southwest China. Agroforestry Systems, 2015, 89, 469-476.	0.9	1
95	The trade-off between growth and reproduction in an alpine herbaceous plant along an elevation gradient. Pakistan Journal of Botany, 2019, 51, .	0.2	1
96	A Novel Multi-Preprocessing Integration Method for the Qualitative and Quantitative Assessment of Wild Medicinal Plants: Gentiana rigescens as an Example. Frontiers in Plant Science, 2021, 12, 759248.	1.7	1
97	TARGETED AND NON-TARGETED ANALYSIS BASED ON ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND FOURIER TRANSFORM INFRARED SPECTROSCOPY FOR PARIS SPECIES OF DIFFERENT GEOGRAPHICAL ORIGINS. Quimica Nova, 2019, , .	0.3	1
98	Morphological diversity of wild medicinal Paris L. from China and Vietnam. African Journal of Biotechnology, 2011, 10, .	0.3	0