Hua-Yun Xiao

List of Publications by Year
in descending order

122 papers	2,921 citations	201385 27 h-index	223531 46 g-index
127 all docs	127 docs citations	127 times ranked	2674 citing authors

#	Article	IF	Citations
1	Using δ15N- and δ18O-Values To Identify Nitrate Sources in Karst Ground Water, Guiyang, Southwest China. Environmental Science & Technology, 2006, 40, 6928-6933.	4.6	276
2	Chemical characteristics of water-soluble components in TSP over Guiyang, SW China, 2003. Atmospheric Environment, 2004, 38, 6297-6306.	1.9	120
3	Effects of cadmium stress on growth and amino acid metabolism in two Compositae plants. Ecotoxicology and Environmental Safety, 2018, 158, 300-308.	2.9	94
4	Stable isotope analyses of precipitation nitrogen sources in Guiyang, southwestern China. Environmental Pollution, 2017, 230, 486-494.	3.7	92
5	Heavy metal contents and enrichment characteristics of dominant plants in wasteland of the downstream of a lead-zinc mining area in Guangxi, Southwest China. Ecotoxicology and Environmental Safety, 2018, 151, 266-271.	2.9	83
6	Use of isotopic compositions of nitrate in TSP to identify sources and chemistry in South China Sea. Atmospheric Environment, 2015, 109, 70-78.	1.9	70
7	Stable carbon and nitrogen isotopes of the moss Haplocladium microphyllum in an urban and a background area (SW China): The role of environmental conditions and atmospheric nitrogen deposition. Atmospheric Environment, 2008, 42, 5413-5423.	1.9	69
8	Simultaneous determination of halogens (F, Cl, Br, and I) in coal using pyrohydrolysis combined with ion chromatography. Fuel, 2012, 94, 629-631.	3.4	67
9	Chemical composition and source apportionment of rainwater at Guiyang, SW China. Journal of Atmospheric Chemistry, 2013, 70, 269-281.	1.4	67
10	Effects of wheat straw addition on dynamics and fate of nitrogen applied to paddy soils. Soil and Tillage Research, 2018, 178, 92-98.	2.6	64
11	Atmospheric aerosol compositions over the South China Sea: temporal variability and source apportionment. Atmospheric Chemistry and Physics, 2017, 17, 3199-3214.	1.9	63
12	Fossil fuel-related emissions were the major source of NH3 pollution in urban cities of northern China in the autumn of 2017. Environmental Pollution, 2020, 256, 113428.	3.7	63
13	Who controls the monthly variations of NH4+ nitrogen isotope composition in precipitation?. Atmospheric Environment, 2012, 54, 201-206.	1.9	55
14	Multivariate statistical and lead isotopic analyses approach to identify heavy metal sources in topsoil from the industrial zone of Beijing Capital Iron and Steel Factory. Environmental Science and Pollution Research, 2017, 24, 14877-14888.	2.7	53
15	Origins of aerosol nitrate in Beijing during late winter through spring. Science of the Total Environment, 2019, 653, 776-782.	3.9	46
16	Vertical distribution of PM2.5 and interactions with the atmospheric boundary layer during the development stage of a heavy haze pollution event. Science of the Total Environment, 2020, 704, 135329.	3.9	46
17	The impacts of reservoirs on the sources and transport of riverine organic carbon in the karst area: A multi-tracer study. Water Research, 2021, 194, 116933.	5.3	46
18	The elemental and isotopic composition of sulfur and nitrogen in Chinese coals. Organic Geochemistry, 2011, 42, 84-93.	0.9	45

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19	Chemical characterization and source analysis of water-soluble inorganic ions in PM2.5 from a plateau city of Kunming at different seasons. Atmospheric Research, 2020, 234, 104687.	1.8	43
20	Lipid biomarkers in suspended particulate matter and surface sediments in the Pearl River Estuary, a subtropical estuary in southern China. Science of the Total Environment, 2019, 646, 416-426.	3.9	42
21	Climatic and anthropogenic regulation of carbon transport and transformation in a karst river-reservoir system. Science of the Total Environment, 2020, 707, 135628.	3.9	40
22	δ13C and δ15N of moss Haplocladium microphyllum (Hedw.) Broth. for indicating growing environment variation and canopy retention on atmospheric nitrogen deposition. Atmospheric Environment, 2007, 41, 4897-4907.	1.9	39
23	Identifying organic matter provenance in sediments using isotopic ratios in an urban river. Geochemical Journal, 2010, 44, 181-187.	0.5	38
24	Mosses Indicating Atmospheric Nitrogen Deposition and Sources in the Yangtze River Drainage Basin, China. Journal of Geophysical Research, 2010, 115, .	3.3	38
25	Sources of reactive nitrogen in marine aerosol over the Northwest Pacific Ocean in spring. Atmospheric Chemistry and Physics, 2018, 18, 6207-6222.	1.9	38
26	Tissue N content and 15N natural abundance in epilithic mosses for indicating atmospheric N deposition in the Guiyang area, SW China. Applied Geochemistry, 2008, 23, 2708-2715.	1.4	34
27	Enhanced biomass burning as a source of aerosol ammonium over cities in central China in autumn. Environmental Pollution, 2020, 266, 115278.	3.7	34
28	Stable carbon and nitrogen isotope compositions of bulk aerosol samples over the South China Sea. Atmospheric Environment, 2018, 193, 1-10.	1.9	29
29	Atmospheric transport of urban-derived NHx: Evidence from nitrogen concentration and δ15N in epilithic mosses at Guiyang, SW China. Environmental Pollution, 2008, 156, 715-722.	3.7	28
30	Spatial Distributions and Sources of Inorganic Chlorine in PM2.5 across China in Winter. Atmosphere, 2019, 10, 505.	1.0	28
31	Monitoring atmospheric nitrogen pollution in Guiyang (SW China) by contrasting use of Cinnamomum Camphora leaves, branch bark and bark as biomonitors. Environmental Pollution, 2018, 233, 1037-1048.	3.7	27
32	Catalytic spectrophotometric determination of iodine in coal by pyrohydrolysis decomposition. Analytica Chimica Acta, 2007, 601, 183-188.	2.6	25
33	Differentiation Between Nitrate Aerosol Formation Pathways in a Southeast Chinese City by Dual Isotope and Modeling Studies. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032604.	1.2	25
34	Controls on Litter Decomposition of Emergent Macrophyte in Dongting Lake Wetlands. Ecosystems, 2017, 20, 1383-1389.	1.6	24
35	Differential responses of litter decomposition to climate between wetland and upland ecosystems in China. Plant and Soil, 2019, 440, 1-9.	1.8	24
36	Changes in nitrate accumulation mechanisms as PM2.5 levels increase on the North China Plain: A perspective from the dual isotopic compositions of nitrate. Chemosphere, 2021, 263, 127915.	4.2	24

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37	Chemical Composition and Sources of Marine Aerosol over the Western North Pacific Ocean in Winter. Atmosphere, 2018, 9, 298.	1.0	23
38	Stable sulphur and nitrogen isotopes of the moss Haplocladium microphyllum at urban, rural and forested sites. Atmospheric Environment, 2010, 44, 4312-4317.	1.9	22
39	Comparison of four methods for spatial interpolation of estimated atmospheric nitrogen deposition in South China. Environmental Science and Pollution Research, 2017, 24, 2578-2588.	2.7	22
40	Methylmercury biomagnification in aquatic food webs of Poyang Lake, China: Insights from amino acid signatures. Journal of Hazardous Materials, 2021, 404, 123700.	6.5	22
41	Sources and meteorological factors that control seasonal variation of Î´34S values in rainwater. Atmospheric Research, 2014, 149, 154-165.	1.8	21
42	Rayleigh based concept to track NOx emission sources in urban areas of China. Science of the Total Environment, 2020, 704, 135362.	3.9	21
43	Stable oxygen isotope constraints on nitrate formation in Beijing in springtime. Environmental Pollution, 2020, 263, 114515.	3.7	21
44	Iodine in Chinese coals and its geochemistry during coalification. Applied Geochemistry, 2008, 23, 2082-2090.	1.4	20
45	Dissolved hydrolyzed amino acids in precipitation in suburban Guiyang, southwestern China: Seasonal variations and potential atmospheric processes. Atmospheric Environment, 2019, 211, 247-255.	1.9	19
46	Traffic-related dustfall and NOx, but not NH3, seriously affect nitrogen isotopic compositions in soil and plant tissues near the roadside. Environmental Pollution, 2019, 249, 655-665.	3.7	19
47	Identifying the change in atmospheric sulfur sources in China using isotopic ratios in mosses. Journal of Geophysical Research, 2009, 114, .	3.3	18
48	Nitrogen isotope variations in camphor (Cinnamomum Camphora) leaves of different ages in upper and lower canopies as an indicator of atmospheric nitrogen sources. Environmental Pollution, 2011, 159, 363-367.	3.7	18
49	Adsorption of fluoride on clay minerals and their mechanisms using X-ray photoelectron spectroscopy. Frontiers of Environmental Science and Engineering in China, 2011, 5, 212-226.	0.8	18
50	Free amino acid concentrations and nitrogen isotope signatures in Pinus massoniana (Lamb.) needles of different ages for indicating atmospheric nitrogen deposition. Environmental Pollution, 2017, 221, 180-190.	3.7	18
51	Chemical composition and seasonal variations of PM2.5 in an urban environment in Kunming, SW China: Importance of prevailing westerlies in cold season. Atmospheric Environment, 2020, 237, 117704.	1.9	18
52	CO_2 emissions from karst cascade hydropower reservoirs: mechanisms and reservoir effect. Environmental Research Letters, 2021, 16, 044013.	2.2	18
53	Response of stable carbon isotope in epilithic mosses to atmospheric nitrogen deposition. Environmental Pollution, 2010, 158, 2273-2281.	3.7	17
54	Source Identification of Sulfur in Uncultivated Surface Soils from Four Chinese Provinces. Pedosphere, 2015, 25, 140-149.	2.1	16

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55	A reliable compound-specific nitrogen isotope analysis of amino acids by GC-C-IRMS following derivatisation into N -pivaloyl- iso -propyl (NPIP)esters for high-resolution food webs estimation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 382-389.	1.2	16
56	Assessment of the seasonal cycle of nitrate in PM2.5 using chemical compositions and stable nitrogen and oxygen isotopes at Nanchang, China. Atmospheric Environment, 2020, 225, 117371.	1.9	16
57	Oxidation and sources of atmospheric NOx during winter in Beijing based on $\delta^{18}O$-$\delta^{15}N$ space of particulate nitrate. Environmental Pollution, 2021, 276, 116708.	3.7	16
58	Risk Element (As, Cd, Cu, Pb, and Zn) Contamination of Soils and Edible Vegetables in the Vicinity of Guixi Smelter, South China. Soil and Sediment Contamination, 2011, 20, 592-604.	1.1	15
59	$\delta^{15}N$–NH4+ variations of rainwater: Application of the Rayleigh model. Atmospheric Research, 2015, 157, 49-55.	1.8	15
60	Impact of high water level fluctuations on stable isotopic signature of POM and source identification in a floodplain lake–Bang Lake (Poyang Lake). Environmental Earth Sciences, 2016, 75, 1.	1.3	15
61	Abiotic and Biological Degradation of Atmospheric Proteinaceous Matter Can Contribute Significantly to Dissolved Amino Acids in Wet Deposition. Environmental Science & Technology, 2020, 54, 6551-6561.	4.6	15
62	Evaluation of WRF-Chem simulations on vertical profiles of PM2.5 with UAV observations during a haze pollution event. Atmospheric Environment, 2021, 252, 118332.	1.9	15
63	Assessment of atmospheric sulfur with the epilithic moss Haplocladium microphyllum: Evidences from tissue sulfur and $\delta^{34}S$ analysis. Environmental Pollution, 2009, 157, 2066-2071.	3.7	14
64	Concentrations and nitrogen isotope compositions of free amino acids in Pinus massoniana (Lamb.) needles of different ages as indicators of atmospheric nitrogen pollution. Atmospheric Environment, 2017, 164, 348-359.	1.9	14
65	Characteristics of Ground-Level Ozone from 2015 to 2018 in BTH Area, China. Atmosphere, 2020, 11, 130.	1.0	14
66	Sources and Transformation Processes of Proteinaceous Matter and Free Amino Acids in PM2.5. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032375.	1.2	14
67	Seasonal variation of nitrogen biogeochemical processes constrained by nitrate dual isotopes in cascade reservoirs, Southwestern China. Environmental Science and Pollution Research, 2021, 28, 26617-26627.	2.7	14
68	Isomer-Resolved Reactivity of Organic Peroxides in Monoterpene-Derived Secondary Organic Aerosol. Environmental Science & Technology, 2022, 56, 4882-4893.	4.6	13
69	Tissue S/N ratios and stable isotopes ($\delta^{34}S$ and $\delta^{15}N$) of epilithic mosses (Haplocladium microphyllum) for showing air pollution in urban cities in Southern China. Environmental Pollution, 2010, 158, 1726-1732.	3.7	12
70	Total N content and $\delta^{15}N$ signatures in moss tissue for indicating varying atmospheric nitrogen deposition in Guizhou Province, China. Atmospheric Environment, 2016, 142, 145-151.	1.9	12
71	Nitrogen isotopic composition of free Gly in aerosols at a forest site. Atmospheric Environment, 2020, 222, 117179.	1.9	12
72	Sulfur isotopic signatures in rainwater and moss Haplocladium microphyllum indicating atmospheric sulfur sources in Nanchang City (SE China). Science of the Total Environment, 2011, 409, 2127-2132.	3.9	11

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73	Seasonal Control of Water-Soluble Inorganic Ions in PM2.5 from Nanning, a Subtropical Monsoon Climate City in Southwestern China. Atmosphere, 2020, 11, 5.	1.0	11
74	Sources and transformation of nitrate aerosol in winter 2017â€"2018 of megacity Beijing: Insights from an alternative approach. Atmospheric Environment, 2020, 241, 117842.	1.9	11
75	Discrimination between extraneous nitrogen input and interior nitrogen release in lakes. Science in China Series D: Earth Sciences, 2004, 47, 813.	0.9	11
76	Sulphur isotopic ratios in mosses indicating atmospheric sulphur sources in southern Chinese mountainous areas. Geophysical Research Letters, 2008, 35, .	1.5	10
77	Estimates of dry and wet deposition using tissue N contents and ^{15}N natural abundance in epilithic mosses in atmospheric NH$_y$-dominated areas. Journal of Geophysical Research, 2011, 116, .	3.3	10
78	Biomass burning related ammonia emissions promoted a self-amplifying loop in the urban environment in Kunming (SW China). Atmospheric Environment, 2021, 253, 118138.	1.9	10
79	Evaluation of black carbon source apportionment based on one year's daily observations in Beijing. Science of the Total Environment, 2021, 773, 145668.	3.9	10
80	Indicating atmospheric sulfur by means of S-isotope in leaves of the plane, osmanthus and camphor trees. Environmental Pollution, 2012, 162, 80-85.	3.7	9
81	Spatial and temporal water quality characteristics of Poyang Lake Migratory Bird Sanctuary in China. Diqiu Huaxue, 2015, 34, 38-46.	0.5	9
82	Rapid and sensitive method for determining free amino acids in plant tissue by high-performance liquid chromatography with fluorescence detection. Acta Geochimica, 2017, 36, 680-696.	0.7	9
83	How aerosol pH responds to nitrate to sulfate ratio of fine-mode particulate. Environmental Science and Pollution Research, 2020, 27, 35031-35039.	2.7	9
84	Importance of Hydroxyl Radical Chemistry in Isoprene Suppression of Particle Formation from Î±-Pinene Ozonolysis. ACS Earth and Space Chemistry, 2021, 5, 487-499.	1.2	9
85	The use of stable oxygen and nitrogen isotopic signatures to reveal variations in the nitrate formation pathways and sources in different seasons and regions in China. Environmental Research, 2021, 201, 111537.	3.7	9
86	Study on the carbonate ocelli-bearing lamprophyre dykes in the Ailaoshan gold deposit zone, Yunnan Province. Science in China Series D: Earth Sciences, 2002, 45, 494.	0.9	8
87	Compound-specific Î´15N composition of free amino acids in moss as indicators of atmospheric nitrogen sources. Scientific Reports, 2018, 8, 14347.	1.6	8
88	The effects of simulated inundation duration and frequency on litter decomposition: A one-year experiment. Limnologica, 2019, 74, 8-13.	0.7	8
89	A one-year comprehensive characteristics of water soluble inorganic ions in PM2.5 from a typical mountainous city. Atmospheric Pollution Research, 2020, 11, 1883-1890.	1.8	8
90	Dominance of Heterogeneous Chemistry in Summertime Nitrate Accumulation: Insights from Oxygen Isotope of Nitrate (Î´18Oâ€"NO3â€"). ACS Earth and Space Chemistry, 2020, 4, 818-824.	1.2	8

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91	Tracing sources of coal combustion using stable sulfur isotope ratios in epilithic mosses and coals from China. Journal of Environmental Monitoring, 2011, 13, 2243.	2.1	7
92	Nitrogen concentrations and nitrogen isotopic compositions in leaves of Cinnamomum Camphora and Pinus massoniana (Lamb.) for indicating atmospheric nitrogen deposition in Guiyang (SW China). Atmospheric Environment, 2017, 159, 1-10.	1.9	7
93	Elucidating food web structure of the Poyang Lake ecosystem using amino acid nitrogen isotopes and Bayesian mixing model. Limnology and Oceanography: Methods, 2019, 17, 555-564.	1.0	7
94	Response of fine aerosol nitrate chemistry to Clean Air Action in winter Beijing: Insights from the oxygen isotope signatures. Science of the Total Environment, 2020, 746, 141210.	3.9	7
95	An observational study of the boundary-layer entrainment and impact of aerosol radiative effect under aerosol-polluted conditions. Atmospheric Research, 2021, 250, 105348.	1.8	7
96	Isotopic source analysis of nitrogen-containing aerosol: A study of PM2.5 in Guiyang (SW, China). Science of the Total Environment, 2021, 760, 143935.	3.9	7
97	Measurement report: Hydrolyzed amino acids in fine and coarse atmospheric aerosol in Nanchang, China: concentrations, compositions, sources and possible bacterial degradation state. Atmospheric Chemistry and Physics, 2021, 21, 2585-2600.	1.9	7
98	Physiological and isotopic signals in epilithic mosses for indicating anthropogenic sulfur on the urban–rural scale. Ecological Indicators, 2011, 11, 1245-1250.	2.6	6
99	Epilithic moss as a bio-monitor of atmospheric N deposition in South China. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
100	Speciation of heavy metals in airborne particles, road dusts, and soils along expressways in China. Diqiu Huaxue, 2013, 32, 420-429.	0.5	6
101	Inhibition of litter decomposition of two emergent macrophytes by addition of aromatic plant powder. Scientific Reports, 2017, 7, 16685.	1.6	6
102	Enhanced Primary Production in the Oligotrophic South China Sea Related to Southeast Asian Forest Fires. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015663.	1.0	6
103	Oxidation of Proteinaceous Matter by Ozone and Nitrogen Dioxide in PM2.5: Reaction Mechanisms and Atmospheric Implications. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034741.	1.2	6
104	Distribution of selenium in corn and its relationship with soil selenium in Yutangba mini-landscape. Diqiu Huaxue, 2000, 19, 161-166.	0.5	5
105	Compound-Specific Isotope Analysis of Amino Acid Labeling with Stable Isotope Nitrogen (15N) in Higher Plants. Chromatographia, 2016, 79, 1197-1205.	0.7	5
106	Distribution and source of organochlorine pesticides (OCPs) in the sediments of Poyang Lake. Environmental Earth Sciences, 2017, 76, 1.	1.3	5
107	Variations in free amino acid concentrations in mosses and different parts of Cinnamomum camphora along an urban-to-rural gradient. Ecological Indicators, 2018, 93, 813-821.	2.6	5
108	Chemical Characteristics of Major Inorganic Ions in PM2.5 Based on Year-Long Observations in Guiyang, Southwest China—Implications for Formation Pathways and the Influences of Regional Transport. Atmosphere, 2020, 11, 847.	1.0	5

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109	Low-molecular-weight carboxylates in urban southwestern China: Source identification and effects on aerosol acidity. Atmospheric Pollution Research, 2021, 12, 101141.	1.8	5
110	Using nitrogen and oxygen stable isotopes to analyze the major NOx sources to nitrate of PM2.5 in Lanzhou, northwest China, in winter-spring periods. Atmospheric Environment, 2022, 276, 119036.	1.9	5
111	Do lamprophyric magma carry gold ?. Science Bulletin, 1999, 44, 2073-2076.	1.7	4
112	Rare-earth element geochemistry of eclogites from the ultra-high pressure metamorphic belt in central China. Diqiu Huaxue, 2000, 19, 35-44.	0.5	4
113	The $\delta^{15}N$ values of epilithic mosses indicating the changes of nitrogen sources in Guiyang (SW China) from 2006 to 2016â€"2017. Science of the Total Environment, 2019, 696, 133988.	3.9	4
114	A fast method to prepare water samples for15N analysis. Science in China Series D: Earth Sciences, 2001, 44, 105-107.	0.9	3
115	Situation of sewage input reflected by nitrogen isotopic composition in a sediment core of Hongfeng Lake. Science Bulletin, 2006, 51, 971-976.	1.7	3
116	Variation in sources of inorganic nitrogen under different hydrological conditions in a floodplain lake: a case study of Bang Lake (Poyang Lake, Jiangxi Province, China). Inland Waters, 2018, 8, 176-185.	1.1	3
117	Combined positive matrix factorization (PMF) and nitrogen isotope signature analysis to provide insights into the source contribution to aerosol free amino acids. Atmospheric Environment, 2022, 268, 118799.	1.9	3
118	Sulfur isotopic signatures of water-soluble sulfate in needles of Pinus Massoniana Lamb in two Chinese areas. Environmental Earth Sciences, 2015, 73, 1805-1811.	1.3	2
119	Effects and underlying mechanisms of damming on carbon and nitrogen cycles and transport in rivers of Southwest China: project introduction. Acta Geochimica, 2017, 36, 577-580.	0.7	2
120	Carbon and nitrogen isotope records in sediments of Lake Taihu, China, and their paleoenvironmental significance. Diqiu Huaxue, 2006, 25, 271-272.	0.5	1
121	The oxygen and sulfur isotopic compositions of soluble sulfate in the needles of Pinus massoniana Lamb.: Source discrimination and contribution estimation. Journal of Geochemical Exploration, 2020, 208, 106402.	1.5	1
122	Assessment of bacterial biomass in the highly contaminated urban Nanming River, Guiyang, SW China. Acta Geochimica, 2017, 36, 638-644.	0.7	0