Hong-Wei Xiao

List of Publications by Citations

54 papers	831 citations	16 h-index	26 g-index
56 ext. papers	1,075 ext. citations	6 avg, IF	4.4 L-index

#	Paper	IF	Citations
54	Stable isotope analyses of precipitation nitrogen sources in Guiyang, southwestern China. *Environmental Pollution*, **2017**, 230, 486-494	9.3	64
53	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	5.3	63
52	Chemical composition and source apportionment of rainwater at Guiyang, SW China. *Journal of Atmospheric Chemistry*, **2013**, 70, 269-281	3.2	58
51	Use of isotopic compositions of nitrate in TSP to identify sources and chemistry in South China Sea. *Atmospheric Environment*, **2015**, 109, 70-78	5.3	54
50	Who controls the monthly variations of NH4+ nitrogen isotope composition in precipitation?. *Atmospheric Environment*, **2012**, 54, 201-206	5.3	49
49	Atmospheric aerosol compositions over the South China Sea: temporal variability and source apportionment. *Atmospheric Chemistry and Physics*, **2017**, 17, 3199-3214	6.8	39
48	Mosses Indicating Atmospheric Nitrogen Deposition and Sources in the Yangtze River Drainage Basin, China. *Journal of Geophysical Research*, **2010**, 115,		33
47	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	3.5	31
46	Fossil fuel-related emissions were the major source of NH pollution in urban cities of northern China in the autumn of 2017. *Environmental Pollution*, **2020**, 256, 113428	9.3	30
45	Atmospheric transport of urban-derived NH(x): Evidence from nitrogen concentration and delta(15)N in epilithic mosses at Guiyang, SW China. *Environmental Pollution*, **2008**, 156, 715-22	9.3	26
44	Sources of reactive nitrogen in marine aerosol over the Northwest Pacific Ocean in spring. *Atmospheric Chemistry and Physics*, **2018**, 18, 6207-6222	6.8	24
43	Vertical distribution of PM 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	10.2	24
42	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	5.4	22
41	Stable sulphur and nitrogen isotopes of the moss Haplocladium microphyllum at urban, rural and forested sites. *Atmospheric Environment*, **2010**, 44, 4312-4317	5.3	21
40	Stable carbon and nitrogen isotope compositions of bulk aerosol samples over the South China Sea. *Atmospheric Environment*, **2018**, 193, 1-10	5.3	19
39	Enhanced biomass burning as a source of aerosol ammonium over cities in central China in autumn. *Environmental Pollution*, **2020**, 266, 115278	9.3	17
38	Sources and meteorological factors that control seasonal variation of δ34S values in rainwater. *Atmospheric Research*, **2014**, 149, 154-165	5.4	16

37	Identifying the change in atmospheric sulfur sources in China using isotopic ratios in mosses. *Journal of Geophysical Research*, **2009**, 114,		15
36	Response of stable carbon isotope in epilithic mosses to atmospheric nitrogen deposition. *Environmental Pollution*, **2010**, 158, 2273-81	9.3	14
35	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	4.4	14
34	Spatial Distributions and Sources of Inorganic Chlorine in PM2.5 across China in Winter. *Atmosphere* , **2019**, 10, 505	2.7	13
33	Rayleigh based concept to track NOx emission sources in urban areas of China. *Science of the Total Environment*, **2020**, 704, 135362	10.2	13
32	Chemical Composition and Sources of Marine Aerosol over the Western North Pacific Ocean in Winter. *Atmosphere*, **2018**, 9, 298	2.7	13
31	δ15NNH4+ variations of rainwater: Application of the Rayleigh model. *Atmospheric Research*, **2015** , 157, 49-55	5.4	12
30	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, 1726-32	9.3	11
29	Changes in nitrate accumulation mechanisms as PM levels increase on the North China Plain: A perspective from the dual isotopic compositions of nitrate. *Chemosphere*, **2021**, 263, 127915	8.4	11
28	Assessment of atmospheric sulfur with the epilithic moss Haplocladium microphyllum: evidences from tissue sulfur and delta34S analysis. *Environmental Pollution*, **2009**, 157, 2066-71	9.3	10
27	Sulphur isotopic ratios in mosses indicating atmospheric sulphur sources in southern Chinese mountainous areas. *Geophysical Research Letters*, **2008**, 35,	4.9	10
26	Sources and transformation of nitrate aerosol in winter 2017–2018 of megacity Beijing: Insights from an alternative approach. *Atmospheric Environment*, **2020**, 241, 117842	5.3	9
25	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	3.2	9
24	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	5.3	8
23	The Distribution of Aerosols and Their Impacts on Chlorophyll-a Distribution in the South China Sea. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005490	3.7	8
22	Nitrogen isotopic composition of free Gly in aerosols at a forest site. *Atmospheric Environment*, **2020**, 222, 117179	5.3	7
21	Seasonal Control of Water-Soluble Inorganic Ions in PM2.5 from Nanning, a Subtropical Monsoon Climate City in Southwestern China. *Atmosphere*, **2020**, 11, 5	2.7	6
20	Nutrient Exchange between Sediments and Overlying Waters in the Modaomen Estuary (China) over a Complete Semidiurnal Tide Cycle: Implications of Saltwater Intrusion. *Journal of Coastal Research*, **2018**, 346, 1439-1448	0.6	5

19	Tracing sources of coal combustion using stable sulfur isotope ratios in epilithic mosses and coals from China. *Journal of Environmental Monitoring*, **2011**, 13, 2243-9		5
18	Spatial variability of inhalable fungal communities in airborne PM across Nanchang, China. *Science of the Total Environment*, **2020**, 746, 141171	10.2	5
17	Oxidation and sources of atmospheric NOx during winter in Beijing based on Δ17O-δ15N space of particulate nitrate. *Environmental Pollution*, **2021**, 276, 116708	9.3	5
16	Dominance of Heterogeneous Chemistry in Summertime Nitrate Accumulation: Insights from Oxygen Isotope of Nitrate (δ18ONO3). *ACS Earth and Space Chemistry*, **2020**, 4, 818-824	3.2	4
15	How aerosol pH responds to nitrate to sulfate ratio of fine-mode particulate. *Environmental Science and Pollution Research*, **2020**, 27, 35031-35039	5.1	4
14	Evaluation of WRF-Chem simulations on vertical profiles of PM2.5 with UAV observations during a haze pollution event. *Atmospheric Environment*, **2021**, 252, 118332	5.3	4
13	An observational study of the boundary-layer entrainment and impact of aerosol radiative effect under aerosol-polluted conditions. *Atmospheric Research*, **2021**, 250, 105348	5.4	4
12	Isotopic source analysis of nitrogen-containing aerosol: A study of PM in Guiyang (SW, China). *Science of the Total Environment*, **2021**, 760, 143935	10.2	4
11	Biomass burning related ammonia emissions promoted a self-amplifying loop in the urban environment in Kunming (SW China). *Atmospheric Environment*, **2021**, 253, 118138	5.3	4
10	The δ15N values of epilithic mosses indicating the changes of nitrogen sources in Guiyang (SW China) from 2006 to 2016–2017. *Science of the Total Environment*, **2019**, 696, 133988	10.2	2
9	Enhanced Primary Production in the Oligotrophic South China Sea Related to Southeast Asian Forest Fires. *Journal of Geophysical Research: Oceans*, **2020**, 125, e2019JC015663	3.3	2
8	Evaluation of black carbon source apportionment based on one year's daily observations in Beijing. *Science of the Total Environment*, **2021**, 773, 145668	10.2	2
7	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	2.6	2
6	Methylmercury biomagnification in aquatic food webs of Poyang Lake, China: Insights from amino acid signatures. *Journal of Hazardous Materials*, **2021**, 404, 123700	12.8	2
5	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	7.9	2
4	Varying Partitioning of Surface Turbulent Fluxes Regulates Temperature-Humidity Dissimilarity in the Convective Atmospheric Boundary Layer. *Geophysical Research Letters*, **2021**, 48, e2021GL095836	4.9	1
3	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	4.4	1
2	Low-molecular-weight carboxylates in urban southwestern China: Source identification and effects on aerosol acidity. *Atmospheric Pollution Research*, **2021**, 12, 101141	4.5	0

1	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	3.8