

# Hong-Wei Xiao

## List of Publications by Year in descending order

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54  
papers

1,268  
citations

331538

21  
h-index

395590

33  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable isotope analyses of precipitation nitrogen sources in Guiyang, southwestern China. <i>Environmental Pollution</i> , 2017, 230, 486-494.	3.7	92
2	Use of isotopic compositions of nitrate in TSP to identify sources and chemistry in South China Sea. <i>Atmospheric Environment</i> , 2015, 109, 70-78.	1.9	70
3	Stable carbon and nitrogen isotopes of the moss <i>Haplocladium microphyllum</i> in an urban and a background area (SW China): The role of environmental conditions and atmospheric nitrogen deposition. <i>Atmospheric Environment</i> , 2008, 42, 5413-5423.	1.9	69
4	Chemical composition and source apportionment of rainwater at Guiyang, SW China. <i>Journal of Atmospheric Chemistry</i> , 2013, 70, 269-281.	1.4	67
5	Atmospheric aerosol compositions over the South China Sea: temporal variability and source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3199-3214.	1.9	63
6	Fossil fuel-related emissions were the major source of NH <sub>3</sub> pollution in urban cities of northern China in the autumn of 2017. <i>Environmental Pollution</i> , 2020, 256, 113428.	3.7	63
7	Who controls the monthly variations of NH <sub>4</sub> <sup>+</sup> nitrogen isotope composition in precipitation?. <i>Atmospheric Environment</i> , 2012, 54, 201-206.	1.9	55
8	Vertical distribution of PM <sub>2.5</sub> and interactions with the atmospheric boundary layer during the development stage of a heavy haze pollution event. <i>Science of the Total Environment</i> , 2020, 704, 135329.	3.9	46
9	Chemical characterization and source analysis of water-soluble inorganic ions in PM <sub>2.5</sub> from a plateau city of Kunming at different seasons. <i>Atmospheric Research</i> , 2020, 234, 104687.	1.8	43
10	Mosses Indicating Atmospheric Nitrogen Deposition and Sources in the Yangtze River Drainage Basin, China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
11	Sources of reactive nitrogen in marine aerosol over the Northwest Pacific Ocean in spring. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6207-6222.	1.9	38
12	Tissue N content and <sup>15</sup> N natural abundance in epilithic mosses for indicating atmospheric N deposition in the Guiyang area, SW China. <i>Applied Geochemistry</i> , 2008, 23, 2708-2715.	1.4	34
13	Enhanced biomass burning as a source of aerosol ammonium over cities in central China in autumn. <i>Environmental Pollution</i> , 2020, 266, 115278.	3.7	34
14	Stable carbon and nitrogen isotope compositions of bulk aerosol samples over the South China Sea. <i>Atmospheric Environment</i> , 2018, 193, 1-10.	1.9	29
15	Atmospheric transport of urban-derived NH <sub>x</sub> : Evidence from nitrogen concentration and <sup>15</sup> N in epilithic mosses at Guiyang, SW China. <i>Environmental Pollution</i> , 2008, 156, 715-722.	3.7	28
16	Spatial Distributions and Sources of Inorganic Chlorine in PM <sub>2.5</sub> across China in Winter. <i>Atmosphere</i> , 2019, 10, 505.	1.0	28
17	Differentiation Between Nitrate Aerosol Formation Pathways in a Southeast Chinese City by Dual Isotope and Modeling Studies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032604.	1.2	25
18	Changes in nitrate accumulation mechanisms as PM <sub>2.5</sub> levels increase on the North China Plain: A perspective from the dual isotopic compositions of nitrate. <i>Chemosphere</i> , 2021, 263, 127915.	4.2	24

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19	Chemical Composition and Sources of Marine Aerosol over the Western North Pacific Ocean in Winter. <i>Atmosphere</i> , 2018, 9, 298.	1.0	23
20	Stable sulphur and nitrogen isotopes of the moss <i>Haplocladium microphyllum</i> at urban, rural and forested sites. <i>Atmospheric Environment</i> , 2010, 44, 4312-4317.	1.9	22
21	Methylmercury biomagnification in aquatic food webs of Poyang Lake, China: Insights from amino acid signatures. <i>Journal of Hazardous Materials</i> , 2021, 404, 123700.	6.5	22
22	Sources and meteorological factors that control seasonal variation of $\delta^{34}\text{S}$ values in rainwater. <i>Atmospheric Research</i> , 2014, 149, 154-165.	1.8	21
23	Rayleigh based concept to track NO <sub>x</sub> emission sources in urban areas of China. <i>Science of the Total Environment</i> , 2020, 704, 135362.	3.9	21
24	Identifying the change in atmospheric sulfur sources in China using isotopic ratios in mosses. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
25	Response of stable carbon isotope in epilithic mosses to atmospheric nitrogen deposition. <i>Environmental Pollution</i> , 2010, 158, 2273-2281.	3.7	17
26	A reliable compound-specific nitrogen isotope analysis of amino acids by GC-C-IRMS following derivatisation into N-pivaloyl-iso-propyl (NPPI) esters for high-resolution food webs estimation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 382-389.	1.2	16
27	Assessment of the seasonal cycle of nitrate in PM <sub>2.5</sub> using chemical compositions and stable nitrogen and oxygen isotopes at Nanchang, China. <i>Atmospheric Environment</i> , 2020, 225, 117371.	1.9	16
28	Oxidation and sources of atmospheric NO <sub>x</sub> during winter in Beijing based on $\delta^{18}\text{O}$ - $\delta^{15}\text{N}$ space of particulate nitrate. <i>Environmental Pollution</i> , 2021, 276, 116708.	3.7	16
29	$\delta^{15}\text{N}$ in $\text{NH}_4^+$ variations of rainwater: Application of the Rayleigh model. <i>Atmospheric Research</i> , 2015, 157, 49-55.	1.8	15
30	Evaluation of WRF-Chem simulations on vertical profiles of PM <sub>2.5</sub> with UAV observations during a haze pollution event. <i>Atmospheric Environment</i> , 2021, 252, 118332.	1.9	15
31	Assessment of atmospheric sulfur with the epilithic moss <i>Haplocladium microphyllum</i> : Evidences from tissue sulfur and $\delta^{34}\text{S}$ analysis. <i>Environmental Pollution</i> , 2009, 157, 2066-2071.	3.7	14
32	The Distribution of Aerosols and Their Impacts on Chlorophyll <i>a</i> Distribution in the South China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005490.	1.3	13
33	Tissue S/N ratios and stable isotopes ( $\delta^{34}\text{S}$ and $\delta^{15}\text{N}$ ) of epilithic mosses ( <i>Haplocladium microphyllum</i> ) for showing air pollution in urban cities in Southern China. <i>Environmental Pollution</i> , 2010, 158, 1726-1732.	3.7	12
34	Nitrogen isotopic composition of free Gly in aerosols at a forest site. <i>Atmospheric Environment</i> , 2020, 222, 117179.	1.9	12
35	Seasonal Control of Water-Soluble Inorganic Ions in PM <sub>2.5</sub> from Nanning, a Subtropical Monsoon Climate City in Southwestern China. <i>Atmosphere</i> , 2020, 11, 5.	1.0	11
36	Sources and transformation of nitrate aerosol in winter 2017-2018 of megacity Beijing: Insights from an alternative approach. <i>Atmospheric Environment</i> , 2020, 241, 117842.	1.9	11

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37	Sulphur isotopic ratios in mosses indicating atmospheric sulphur sources in southern Chinese mountainous areas. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	10
38	Spatial variability of inhalable fungal communities in airborne PM2.5 across Nanchang, China. <i>Science of the Total Environment</i> , 2020, 746, 141171.	3.9	10
39	Biomass burning related ammonia emissions promoted a self-amplifying loop in the urban environment in Kunming (SW China). <i>Atmospheric Environment</i> , 2021, 253, 118138.	1.9	10
40	Evaluation of black carbon source apportionment based on one year's daily observations in Beijing. <i>Science of the Total Environment</i> , 2021, 773, 145668.	3.9	10
41	How aerosol pH responds to nitrate to sulfate ratio of fine-mode particulate. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35031-35039.	2.7	9
42	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. <i>Environmental Research</i> , 2021, 201, 111537.	3.7	9
43	Dominance of Heterogeneous Chemistry in Summertime Nitrate Accumulation: Insights from Oxygen Isotope of Nitrate ( $\delta^{18}\text{O}$ in $\text{NO}_3^-$ ). <i>ACS Earth and Space Chemistry</i> , 2020, 4, 818-824.	1.2	8
44	Tracing sources of coal combustion using stable sulfur isotope ratios in epilithic mosses and coals from China. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2243.	2.1	7
45	Elucidating food web structure of the Poyang Lake ecosystem using amino acid nitrogen isotopes and Bayesian mixing model. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 555-564.	1.0	7
46	An observational study of the boundary-layer entrainment and impact of aerosol radiative effect under aerosol-polluted conditions. <i>Atmospheric Research</i> , 2021, 250, 105348.	1.8	7
47	Isotopic source analysis of nitrogen-containing aerosol: A study of PM2.5 in Guiyang (SW, China). <i>Science of the Total Environment</i> , 2021, 760, 143935.	3.9	7
48	Nutrient Exchange between Sediments and Overlying Waters in the Modaomen Estuary (China) over a Complete Semidiurnal Tide Cycle: Implications of Saltwater Intrusion. <i>Journal of Coastal Research</i> , 2018, 346, 1439-1448.	0.1	6
49	Enhanced Primary Production in the Oligotrophic South China Sea Related to Southeast Asian Forest Fires. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015663.	1.0	6
50	Oxidation of Proteinaceous Matter by Ozone and Nitrogen Dioxide in PM2.5: Reaction Mechanisms and Atmospheric Implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034741.	1.2	6
51	Low-molecular-weight carboxylates in urban southwestern China: Source identification and effects on aerosol acidity. <i>Atmospheric Pollution Research</i> , 2021, 12, 101141.	1.8	5
52	Varying Partitioning of Surface Turbulent Fluxes Regulates Temperature-Humidity Dissimilarity in the Convective Atmospheric Boundary Layer. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095836.	1.5	5
53	The $\delta^{15}\text{N}$ values of epilithic mosses indicating the changes of nitrogen sources in Guiyang (SW China) from 2006 to 2016-2017. <i>Science of the Total Environment</i> , 2019, 696, 133988.	3.9	4
54	The oxygen and sulfur isotopic compositions of soluble sulfate in the needles of <i>Pinus massoniana</i> Lamb.: Source discrimination and contribution estimation. <i>Journal of Geochemical Exploration</i> , 2020, 208, 106402.	1.5	1