# Hong-Wei Xiao

## List of Publications by Year in Descending Order



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| 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 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Low-molecular-weight carboxylates in urban southwestern China: Source identification and effects on aerosol acidity. *Atmospheric Pollution Research*, **2021**, 12, 101141 | 4.5 | 0 |
| 43 | 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 |
| 42 | Dominance of Heterogeneous Chemistry in Summertime Nitrate Accumulation: Insights from Oxygen Isotope of Nitrate ($\Delta^{17}O_{NO_3^-}$) *ACS Earth and Space Chemistry*, **2020**, 4, 818-824 | 3.2 | 4 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |

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| 37 | 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 |
| 36 | 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 |
| 35 | 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 | |
| 34 | Nitrogen isotopic composition of free Gly in aerosols at a forest site. *Atmospheric Environment*, **2020**, 222, 117179 | 5.3 | 7 |
| 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 | 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 |
| 31 | 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 |
| 30 | Spatial variability of inhalable fungal communities in airborne PM across Nanchang, China. *Science of the Total Environment*, **2020**, 746, 141171 | 10.2 | 5 |
| 29 | 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 |
| 28 | Enhanced biomass burning as a source of aerosol ammonium over cities in central China in autumn. *Environmental Pollution*, **2020**, 266, 115278 | 9.3 | 17 |
| 27 | 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 |
| 26 | 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 |
| 25 | Spatial Distributions and Sources of Inorganic Chlorine in PM2.5 across China in Winter. *Atmosphere* , **2019**, 10, 505 | 2.7 | 13 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | Chemical Composition and Sources of Marine Aerosol over the Western North Pacific Ocean in Winter. *Atmosphere*, **2018**, 9, 298 | 2.7 | 13 |
| 20 | Stable carbon and nitrogen isotope compositions of bulk aerosol samples over the South China Sea. *Atmospheric Environment*, **2018**, 193, 1-10 | 5.3 | 19 |

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| 19 | Stable isotope analyses of precipitation nitrogen sources in Guiyang, southwestern China. *Environmental Pollution*, **2017**, 230, 486-494 | 9.3 | 64 |
| 18 | Atmospheric aerosol compositions over the South China Sea: temporal variability and source apportionment. *Atmospheric Chemistry and Physics*, **2017**, 17, 3199-3214 | 6.8 | 39 |
| 17 | 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 |
| 16 | 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 |
| 15 | δ15N‰NH4+ variations of rainwater: Application of the Rayleigh model. *Atmospheric Research*, **2015**, 157, 49-55 | 5.4 | 12 |
| 14 | Sources and meteorological factors that control seasonal variation of δ34S values in rainwater. *Atmospheric Research*, **2014**, 149, 154-165 | 5.4 | 16 |
| 13 | Chemical composition and source apportionment of rainwater at Guiyang, SW China. *Journal of Atmospheric Chemistry*, **2013**, 70, 269-281 | 3.2 | 58 |
| 12 | Who controls the monthly variations of NH4+ nitrogen isotope composition in precipitation?. *Atmospheric Environment*, **2012**, 54, 201-206 | 5.3 | 49 |
| 11 | 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 |
| 10 | Mosses Indicating Atmospheric Nitrogen Deposition and Sources in the Yangtze River Drainage Basin, China. *Journal of Geophysical Research*, **2010**, 115, | | 33 |
| 9 | 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 |
| 8 | Response of stable carbon isotope in epilithic mosses to atmospheric nitrogen deposition. *Environmental Pollution*, **2010**, 158, 2273-81 | 9.3 | 14 |
| 7 | 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 |
| 6 | 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 |
| 5 | Identifying the change in atmospheric sulfur sources in China using isotopic ratios in mosses. *Journal of Geophysical Research*, **2009**, 114, | | 15 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |

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| 1 | Sulphur isotopic ratios in mosses indicating atmospheric sulphur sources in southern Chinese mountainous areas. *Geophysical Research Letters*, **2008**, 35, | 4.9 | 10 |