Yuepeng Pan

List of Publications by Year in Descending Order

124 papers	4,244 citations	37 h-index	62 g-index
160 ext. papers	5,383 ext. citations	5.9 avg, IF	5.73 L-index

#	Paper	IF	Citations
124	Vehicular Emissions Enhanced Ammonia Concentrations in Winter Mornings: Insights from Diurnal Nitrogen Isotopic Signatures.. *Environmental Science & Technology*, **2022**,	10.3	7
123	Quantifying the Influence of a Burn Event on Ammonia Concentrations Using a Machine-Learning Technique. *Atmosphere*, **2022**, 13, 170	2.7	0
122	Synergistic effect of reductions in multiple gaseous precursors on secondary inorganic aerosols in winter under a meteorology-based redistributed daily NH emission inventory within the Beijing-Tianjin-Hebei region, China.. *Science of the Total Environment*, **2022**, 821, 153383	10.2	1
121	Wall losses of oxygenated volatile organic compounds from oxidation of toluene: Effects of chamber volume and relative humidity.. *Journal of Environmental Sciences*, **2022**, 114, 475-484	6.4	
120	Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. *Nature Geoscience*, **2022**, 15, 190-195	18.3	2
119	Rapid decline in atmospheric organic carbon deposition in rural Beijing, North China between 2016 and 2020. *Atmospheric Environment*, **2022**, 276, 119030	5.3	0
118	Unexpected nitrogen flow and water quality change due to varying atmospheric deposition. *Journal of Hydrology*, **2022**, 609, 127679	6	0
117	Is fertilization the dominant source of ammonia in the urban atmosphere?. *Science of the Total Environment*, **2022**, 155890	10.2	1
116	Chemical characteristics of freezing rain observed at Mount Heng in southern China. *Atmospheric Environment*, **2022**, 281, 119140	5.3	
115	N-stable isotope analysis of NH : An overview on analytical measurements, source sampling and its source apportionment. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 126	5.8	4
114	Seasonal variations in the highly time-resolved aerosol composition, sources and chemical processes of background submicron particles in the North China Plain. *Atmospheric Chemistry and Physics*, **2021**, 21, 4521-4539	6.8	6
113	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. *Nature Communications*, **2021**, 12, 1993	17.4	47
112	Changes of ammonia concentrations in wintertime on the North China Plain from 2018 to 2020. *Atmospheric Research*, **2021**, 253, 105490	5.4	8
111	Chemistry of new particle formation and growth events during wintertime in suburban area of Beijing: Insights from highly polluted atmosphere. *Atmospheric Research*, **2021**, 255, 105553	5.4	3
110	Mitigating NO emissions does not help alleviate wintertime particulate pollution in Beijing-Tianjin-Hebei, China. *Environmental Pollution*, **2021**, 279, 116931	9.3	9
109	15N natural abundance of vehicular exhaust ammonia, quantified by active sampling techniques. *Atmospheric Environment*, **2021**, 255, 118430	5.3	1
108	Changes in air pollutants during the COVID-19 lockdown in Beijing: Insights from a machine-learning technique and implications for future control policy. *Atmospheric and Oceanic Science Letters*, **2021**, 14, 100060	1.4	3

107	Size distribution and formation processes of aerosol water-soluble organic carbon during winter and summer in urban Beijing. *Atmospheric Environment*, **2021**, 244, 117983	5.3	2
106	Substantial nitrogen oxides emission reduction from China due to COVID-19 and its impact on surface ozone and aerosol pollution. *Science of the Total Environment*, **2021**, 753, 142238	10.2	24
105	Bulk Deposition and Source Apportionment of Atmospheric Heavy Metals and Metalloids in Agricultural Areas of Rural Beijing during 2016–2020. *Atmosphere*, **2021**, 12, 283	2.7	5
104	A 6-year-long (2013–2018) high-resolution air quality reanalysis dataset in China based on the assimilation of surface observations from CNEMC. *Earth System Science Data*, **2021**, 13, 529-570	10.5	29
103	Enhanced atmospheric phosphorus deposition in Asia and Europe in the past two decades. *Atmospheric and Oceanic Science Letters*, **2021**, 14, 100051	1.4	2
102	Disaggregating climatic and anthropogenic influences on vegetation changes in Beijing-Tianjin-Hebei region of China. *Science of the Total Environment*, **2021**, 786, 147574	10.2	1
101	Eddy covariance measurements of ozone flux above and below a southern subtropical forest canopy. *Science of the Total Environment*, **2021**, 791, 148338	10.2	1
100	The nonlinear response of fine particulate matter pollution to ammonia emission reductions in North China. *Environmental Research Letters*, **2021**,	6.2	4
99	Calibrations of Low-Cost Air Pollution Monitoring Sensors for CO, NO, O, and SO. *Sensors*, **2021**, 21,	3.8	12
98	Toward a better understanding of cascading consequences of atmospheric reactive nitrogen along its transport pathway. *Atmospheric and Oceanic Science Letters*, **2020**, 13, 179-181	1.4	1
97	Systematic low bias of passive samplers in characterizing nitrogen isotopic composition of atmospheric ammonia. *Atmospheric Research*, **2020**, 243, 105018	5.4	21
96	Tracking ammonia morning peak, sources and transport with 1 Hz measurements at a rural site in North China Plain. *Atmospheric Environment*, **2020**, 235, 117630	5.3	12
95	Ammonia should be considered in field experiments mimicking nitrogen deposition. *Atmospheric and Oceanic Science Letters*, **2020**, 13, 248-251	1.4	4
94	Comparisons of the effects of different drying methods on soil nitrogen fractions: Insights into emissions of reactive nitrogen gases (HONO and NO). *Atmospheric and Oceanic Science Letters*, **2020**, 13, 224-231	1.4	4
93	Identify the contribution of elevated industrial plume to ground air quality by optical and machine learning methods. *Environmental Research Communications*, **2020**, 2, 021005	3.1	4
92	An unexpected catalyst dominates formation and radiative forcing of regional haze. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 3960-3966	11.5	73
91	High-resolution anthropogenic ammonia emission inventory for the Yangtze River Delta, China. *Chemosphere*, **2020**, 251, 126342	8.4	14
90	Atmospheric reactive nitrogen concentration and deposition trends from 2011 to 2018 at an urban site in north China. *Atmospheric Environment*, **2020**, 224, 117298	5.3	1

89	Wet and Dry Nitrogen Depositions in the Pearl River Delta, South China: Observations at Three Typical Sites With an Emphasis on Water-Soluble Organic Nitrogen. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD030983	4.4	7
88	Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. *Atmospheric Chemistry and Physics*, **2020**, 20, 10587-10610	6.8	9
87	MICS-Asia III: Multi-model comparison of reactive Nitrogen deposition over China **2020**,		2
86	Contribution of Atmospheric Reactive Nitrogen to Haze Pollution in China **2020**, 113-134		
85	Rapid formation of intense haze episodes via aerosol–boundary layer feedback in Beijing. *Atmospheric Chemistry and Physics*, **2020**, 20, 45-53	6.8	21
84	Changes of nitrogen deposition in China from 1980 to 2018. *Environment International*, **2020**, 144, 106022	12.9	62
83	Field Evaluation of Low-Cost Particulate Matter Sensors in Beijing. *Sensors*, **2020**, 20,	3.8	8
82	Investigation of the atmospheric boundary layer during an unexpected summertime persistent severe haze pollution period in Beijing. *Meteorology and Atmospheric Physics*, **2020**, 132, 71-84	2	1
81	Evaluation and uncertainty investigation of the NO₂, CO and NH₃ modeling over China under the framework of MICS-Asia III. *Atmospheric Chemistry and Physics*, **2020**, 20, 181-202	6.8	24
80	Evaluation and uncertainty investigation of the NO₂, CO and NH₃ modeling over China under the framework of MICS-Asia III **2019**,		1
79	Improved Inversion of Monthly Ammonia Emissions in China Based on the Chinese Ammonia Monitoring Network and Ensemble Kalman Filter. *Environmental Science & Technology*, **2019**, 53, 12529-12538	10.3	37
78	Seasonal pattern of ammonium N natural abundance in precipitation at a rural forested site and implications for NH source partitioning. *Environmental Pollution*, **2019**, 247, 541-549	9.3	21
77	Increased inorganic aerosol fraction contributes to air pollution and haze in China. *Atmospheric Chemistry and Physics*, **2019**, 19, 5881-5888	6.8	26
76	Impact of emission controls on air quality in Beijing during APEC 2014: Implications from water-soluble ions and carbonaceous aerosol in PM2.5 and their precursors. *Atmospheric Environment*, **2019**, 210, 241-252	5.3	29
75	Changes of the relationship between spring sand dust frequency and large-scale atmospheric circulation. *Atmospheric Research*, **2019**, 226, 102-109	5.4	10
74	Reshaping the size distribution of aerosol elemental carbon by removal of coarse mode carbonates. *Atmospheric Environment*, **2019**, 214, 116852	5.3	1
73	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. *Atmospheric Chemistry and Physics*, **2019**, 19, 5605-5613	6.8	34
72	Bias in ammonia emission inventory and implications on emission control of nitrogen oxides over North China Plain. *Atmospheric Environment*, **2019**, 214, 116869	5.3	14

71	Nitrate Isotopic Composition in Precipitation at a Chinese Megacity: Seasonal Variations, Atmospheric Processes, and Implications for Sources. *Earth and Space Science*, **2019**, 6, 2200-2213	3.1	18
70	Kinetic Determination of Urease Activity in Fresh Pig Feces and Slurry and the Effect on Ammonia Production at Different Conditions. *Sustainability*, **2019**, 11, 6396	3.6	1
69	Multi-method determination of the below-cloud wet scavenging coefficients of aerosols in Beijing, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 15569-15581	6.8	12
68	Identifying Ammonia Hotspots in China Using a National Observation Network. *Environmental Science & Technology*, **2018**, 52, 3926-3934	10.3	102
67	A 15-year record (2001–2015) of the ratio of nitrate to non-sea-salt sulfate in precipitation over East Asia. *Atmospheric Chemistry and Physics*, **2018**, 18, 2835-2852	6.8	37
66	Regenerative Role of Soil Seed Banks of Different Successional Stages in A Saline-alkaline Grassland in Northeast China. *Chinese Geographical Science*, **2018**, 28, 694-706	2.9	4
65	Isotopic evidence for enhanced fossil fuel sources of aerosol ammonium in the urban atmosphere. *Environmental Pollution*, **2018**, 238, 942-947	9.3	45
64	Source Apportionment of Aerosol Ammonium in an Ammonia-Rich Atmosphere: An Isotopic Study of Summer Clean and Hazy Days in Urban Beijing. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 5681-5689	4.4	32
63	Agricultural ammonia emissions in China: reconciling bottom-up and top-down estimates. *Atmospheric Chemistry and Physics*, **2018**, 18, 339-355	6.8	128
62	Ion balance and acidity of size-segregated particles during haze episodes in urban Beijing. *Atmospheric Research*, **2018**, 201, 159-167	5.4	25
61	Revealing the Sources of Atmospheric Ammonia: a Review. *Current Pollution Reports*, **2018**, 4, 189-197	7.6	17
60	Rapid SO₂ emission reductions significantly increase tropospheric ammonia concentrations over the North China Plain. *Atmospheric Chemistry and Physics*, **2018**, 18, 17933-17943	6.8	74
59	Rapid formation of intense haze episode in Beijing **2018**,		2
58	Influence of Fog-Haze on Dew Condensation in Urban Areas. *Tehnicki Vjesnik*, **2018**, 25,	1	1
57	High efficiency of livestock ammonia emission controls on alleviating particulate nitrate during a severe winter haze episode in northern China **2018**,		1
56	Spatial–temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. *Atmospheric Chemistry and Physics*, **2018**, 18, 10931-10954	6.8	48
55	Typical atmospheric haze during crop harvest season in northeastern China: A case in the Changchun region. *Journal of Environmental Sciences*, **2017**, 54, 101-113	6.4	34
54	Letter to the editor: Critical assessments of the current state of scientific knowledge, terminology, and research needs concerning the ecological effects of elevated atmospheric nitrogen deposition in China. *Atmospheric Environment*, **2017**, 153, 109-116	5.3	3

53	Atmospheric nitrogen deposition to China: A model analysis on nitrogen budget and critical load exceedance. *Atmospheric Environment*, **2017**, 153, 32-40	5.3	103
52	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. *Current Pollution Reports*, **2017**, 3, 65-77	7.6	43
51	Discussion of "Atmospheric deposition as an important nitrogen load to a typical agro-ecosystem in the Huang-Huai-Hai Plain" by Huang et al. (2016). *Atmospheric Environment*, **2017**, 153, 233-235	5.3	1
50	Agricultural ammonia emissions in China: reconciling bottom-up and top-down estimates **2017**,		1
49	Abiotic versus biotic controls on soil nitrogen cycling in drylands along a 3200 km transect. *Biogeosciences*, **2017**, 14, 989-1001	4.6	20
48	Wet deposition and scavenging ratio of air pollutants during an extreme rainstorm in the North China Plain. *Atmospheric and Oceanic Science Letters*, **2017**, 10, 348-353	1.4	11
47	PM levels, chemical composition and health risk assessment in Xinxiang, a seriously air-polluted city in North China. *Environmental Geochemistry and Health*, **2017**, 39, 1071-1083	4.7	22
46	Background aerosol over the Himalayas and Tibetan Plateau: observed characteristics of aerosol mass loading. *Atmospheric Chemistry and Physics*, **2017**, 17, 449-463	6.8	28
45	Air quality improvement in a megacity: implications from 2015 Beijing Parade Blue pollution control actions. *Atmospheric Chemistry and Physics*, **2017**, 17, 31-46	6.8	61
44	Responses of surface ozone air quality to anthropogenic nitrogen deposition in the Northern Hemisphere. *Atmospheric Chemistry and Physics*, **2017**, 17, 9781-9796	6.8	11
43	A 15-year record (2001–2015) of the ratio of nitrate to non-seasalt sulfate in precipitation over East Asia **2017**,		1
42	The observation-based relationships between PM2.5 and AOD over China. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 10,701-10,716	4.4	35
41	Wet and dry nitrogen deposition in the central Sichuan Basin of China. *Atmospheric Environment*, **2016**, 143, 39-50	5.3	47
40	Acid deposition in Asia: Emissions, deposition, and ecosystem effects. *Atmospheric Environment*, **2016**, 146, 55-69	5.3	131
39	Reply to Comment on "Fossil Fuel Combustion-Related Emissions Dominate Atmospheric Ammonia Sources during Severe Haze Episodes: Evidence from N-Stable Isotope in Size-Resolved Aerosol Ammonium". *Environmental Science & Technology*, **2016**, 50, 10767-10768	10.3	4
38	Concurrent measurements of size-segregated particulate sulfate, nitrate and ammonium using quartz fiber filters, glass fiber filters and cellulose membranes. *Atmospheric Environment*, **2016**, 145, 293-298	5.3	8
37	Spatial and seasonal variations of atmospheric sulfur concentrations and dry deposition at 16 rural and suburban sites in China. *Atmospheric Environment*, **2016**, 146, 79-89	5.3	19
36	Size-resolved source apportionment of particulate matter in urban Beijing during haze and non-haze episodes. *Atmospheric Chemistry and Physics*, **2016**, 16, 1-19	6.8	193

35	Redefining the importance of nitrate during haze pollution to help optimize an emission control strategy. *Atmospheric Environment*, **2016**, 141, 197-202	5.3	70
34	Reduced nitrogen dominated nitrogen deposition in the United States, but its contribution to nitrogen deposition in China decreased. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3590-1	11.5	23
33	Fossil Fuel Combustion-Related Emissions Dominate Atmospheric Ammonia Sources during Severe Haze Episodes: Evidence from (15)N-Stable Isotope in Size-Resolved Aerosol Ammonium. *Environmental Science & Technology*, **2016**, 50, 8049-56	10.3	189
32	Size distributions and health risks of particulate trace elements in rural areas in northeastern China. *Atmospheric Research*, **2016**, 168, 191-204	5.4	48
31	Background aerosol over the Himalayas and Tibetan Plateau: observed characteristics of aerosol mass loading **2016**,		4
30	Modifications to the azide method for nitrate isotope analysis. *Rapid Communications in Mass Spectrometry*, **2016**, 30, 1213-1222	2.2	39
29	Chemical composition and source apportionment of PM2.5 during Chinese Spring Festival at Xinxiang, a heavily polluted city in North China: Fireworks and health risks. *Atmospheric Research*, **2016**, 182, 176-188	5.4	76
28	The Campaign on Atmospheric Aerosol Research Network of China: CARE-China. *Bulletin of the American Meteorological Society*, **2015**, 96, 1137-1155	6.1	98
27	Comments on Half-century nitrogen deposition increase across China: A gridded time-series dataset for regional environmental assessments by Chaoqun Lu and Hanqin Tian. Atmospheric Environment (2014), 97:68774. *Atmospheric Environment*, **2015**, 101, 350-351	5.3	1
26	Does high pH give a reliable assessment of the effect of alkaline soil on seed germination? A case study with Leymus chinensis (Poaceae). *Plant and Soil*, **2015**, 394, 35-43	4.2	21
25	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
24	Trace elements in particulate matter from metropolitan regions of Northern China: Sources, concentrations and size distributions. *Science of the Total Environment*, **2015**, 537, 9-22	10.2	81
23	Atmospheric nitrogen deposition to the northwestern Pacific: seasonal variation and source attribution. *Atmospheric Chemistry and Physics*, **2015**, 15, 10905-10924	6.8	41
22	Atmospheric wet and dry deposition of trace elements at 10 sites in Northern China. *Atmospheric Chemistry and Physics*, **2015**, 15, 951-972	6.8	160
21	Wet deposition of atmospheric inorganic nitrogen at five remote sites in the Tibetan Plateau. *Atmospheric Chemistry and Physics*, **2015**, 15, 11683-11700	6.8	67
20	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. *Atmospheric Chemistry and Physics*, **2015**, 15, 12345-12360	6.8	234
19	Liu et al. suspect that Zhu et al. (2015) may have underestimated dissolved organic nitrogen (N) but overestimated total particulate N in wet deposition in China. *Science of the Total Environment*, **2015** , 520, 300-1	10.2	21
18	Chemical method for nitrogen isotopic analysis of ammonium at natural abundance. *Analytical Chemistry*, **2014**, 86, 3787-92	7.8	82

17	Size-resolved aerosol chemical analysis of extreme haze pollution events during early 2013 in urban Beijing, China. *Journal of Hazardous Materials*, **2014**, 279, 452-60	12.8	147
16	Observations of air quality on the outskirts of an urban agglomeration during the implementation of pollution reduction measures. *Atmospheric Pollution Research*, **2014**, 5, 789-795	4.5	4
15	Spatial and temporal characteristics of particulate matter in Beijing, China using the Empirical Mode Decomposition method. *Science of the Total Environment*, **2013**, 458-460, 70-80	10.2	45
14	Assessment of heavy metal contamination of dustfall in northern China from integrated chemical and magnetic investigation. *Atmospheric Environment*, **2013**, 74, 182-193	5.3	30
13	Size-resolved aerosol trace elements at a rural mountainous site in Northern China: importance of regional transport. *Science of the Total Environment*, **2013**, 461-462, 761-71	10.2	64
12	Characterization of the size-segregated water-soluble inorganic ions in the Jing-Jin-Ji urban agglomeration: Spatial/temporal variability, size distribution and sources. *Atmospheric Environment*, **2013**, 77, 250-259	5.3	89
11	Spatial distribution and temporal variations of atmospheric sulfur deposition in Northern China: insights into the potential acidification risks. *Atmospheric Chemistry and Physics*, **2013**, 13, 1675-1688	6.8	61
10	Analysis of heavy pollution episodes in selected cities of northern China. *Atmospheric Environment*, **2012**, 50, 338-348	5.3	133
9	Reductions of PM2.5 in Beijing-Tianjin-Hebei urban agglomerations during the 2008 Olympic Games. *Advances in Atmospheric Sciences*, **2012**, 29, 1330-1342	2.9	42
8	Acid neutralization of precipitation in Northern China. *Journal of the Air and Waste Management Association*, **2012**, 62, 204-11	2.4	43
7	Wet and dry deposition of atmospheric nitrogen at ten sites in Northern China. *Atmospheric Chemistry and Physics*, **2012**, 12, 6515-6535	6.8	195
6	Study on dissolved organic carbon in precipitation in Northern China. *Atmospheric Environment*, **2010**, 44, 2350-2357	5.3	78
5	Hazard and Benefit of a Northern River: The Amur River and the Impacts of Land Use Changes. *E-journal GEO*, **2010**, 4, 138-144	0.9	
4	Interannual variation of reactive nitrogen emissions and their impacts on PM2.5 air pollution in China during 2005-2015. *Environmental Research Letters*,	6.2	3
3	Atmospheric nitrogen deposition to the northwestern Pacific: seasonal variation and source attribution		6
2	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China		20
1	Size-resolved source apportionment of particulate matter in urban Beijing during haze and non-haze episodes		8