

# CITATION REPORT

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Understanding nitrate formation in a world with less sulfate

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Atmospheric Chemistry and Physics, 2018, 18, 12765-12775.

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#	Paper	IF	Citations
54	The underappreciated role of nonvolatile cations in aerosol ammonium-sulfate molar ratios. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17307-17323	6.8	39
53	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,368-44	4.4	32
52	Toward the improvement of total nitrogen deposition budgets in the United States. <i>Science of the Total Environment</i> , <b>2019</b> , 691, 1328-1352	10.2	10
51	Current and Future Responses of Aerosol pH and Composition in the U.S. to Declining SO Emissions and Increasing NH Emissions. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9646-9655	10.3	8
50	Nitrate dominates the chemical composition of PM during haze event in Beijing, China. <i>Science of the Total Environment</i> , <b>2019</b> , 689, 1293-1303	10.2	98
49	Spatiotemporal Associations between PM and SO as well as NO in China from 2015 to 2018. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	9
48	Thermodynamic Modeling Suggests Declines in Water Uptake and Acidity of Inorganic Aerosols in Beijing Winter Haze Events during 2014/2015-2018/2019. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 752-760	11	35
47	Enhanced sulfate formation through SO <sub>2</sub> +NO <sub>2</sub> heterogeneous reactions during heavy winter haze in the Yangtze River Delta region, China. <b>2019</b> ,		3
46	Effects of Water-soluble Organic Carbon on Aerosol pH. <b>2019</b> ,		1
45	Aerosol chemical component: Simulations with WRF-Chem and comparison with observations in Nanjing. <i>Atmospheric Environment</i> , <b>2019</b> , 218, 116982	5.3	10
44	Assessing PM Model Performance for the Conterminous U.S. with Comparison to Model Performance Statistics from 2007-2015. <i>Atmospheric Environment</i> , <b>2019</b> , 214, 1-116872	5.3	20
43	Detailed Analysis of Estimated pH, Activity Coefficients, and Ion Concentrations between the Three Aerosol Thermodynamic Models. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 8903-8913	10.3	12
42	High-Resolution Data Sets Unravel the Effects of Sources and Meteorological Conditions on Nitrate and Its Gas-Particle Partitioning. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3048-3057	10.3	24
41	Effects of water-soluble organic carbon on aerosol pH. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14667-14679	6.7	20
40	The Acidity of Atmospheric Particles and Clouds. <b>2019</b> ,		8
39	Rayleigh based concept to track NOx emission sources in urban areas of China. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135362	10.2	13
38	Fine particle pH and sensitivity to NH <sub>3</sub> and HNO <sub>3</sub> over summertime South Korea during KORUS-AQ. <b>2020</b> ,		1

37	Using High-Temporal-Resolution Ambient Data to Investigate Gas-Particle Partitioning of Ammonium over Different Seasons. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9834-9843	10.3	2
36	Response of fine aerosol nitrate chemistry to Clean Air Action in winter Beijing: Insights from the oxygen isotope signatures. <i>Science of the Total Environment</i> , <b>2020</b> , 746, 141210	10.2	3
35	The Acidity of Atmospheric Particles and Clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4809-4888	8.8	165
34	Effect of ammonia on fine-particle pH in agricultural regions of China: comparison between urban and rural sites. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 2719-2734	6.8	13
33	Aerosol pH and liquid water content determine when particulate matter is sensitive to ammonia and nitrate availability. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3249-3258	6.8	39
32	Effects of NH and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137190	10.2	10
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30	The influence of chemical composition, aerosol acidity, and metal dissolution on the oxidative potential of fine particulate matter and redox potential of the lung lining fluid. <i>Environment International</i> , <b>2021</b> , 148, 106343	12.9	15
29	Aerosol acidity and liquid water content regulate the dry deposition of inorganic reactive nitrogen. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6023-6033	6.8	10
28	Determining the Role of Acidity, Fate and Formation of IEPOX-Derived SOA in CMAQ. <i>Atmosphere</i> , <b>2021</b> , 12, 707	2.7	2
27	Long-term trends of ambient nitrate (NO <sub>3</sub> ) concentrations across China based on ensemble machine-learning models. <i>Earth System Science Data</i> , <b>2021</b> , 13, 2147-2163	10.5	4
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24	Mortality-based damages per ton due to the on-road mobile sector in the Northeastern and Mid-Atlantic U.S. by region, vehicle class and precursor. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 065008	6.2	2
23	Significant contrasts in aerosol acidity between China and the United States. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8341-8356	6.8	2
22	Formation and evolution of brown carbon during aqueous-phase nitrate-mediated photooxidation of guaiacol and 5-nitroguaiacol. <i>Atmospheric Environment</i> , <b>2021</b> , 254, 118401	5.3	6
21	Lake Spray Aerosol Emissions Alter Nitrogen Partitioning in the Great Lakes Region. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093727	4.9	0
20	Evolution of secondary inorganic aerosols amidst improving PM air quality in the North China plain. <i>Environmental Pollution</i> , <b>2021</b> , 281, 117027	9.3	3

19	Predicting the Nonlinear Response of PM and Ozone to Precursor Emission Changes with a Response Surface Model. <i>Atmosphere</i> , <b>2021</b> , 12, 1-1044	2.7	4
18	Acidity and the multiphase chemistry of atmospheric aqueous particles and clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21,	6.8	14
17	PM2.5 pH estimation in Seoul during the KORUS-AQ campaign using different thermodynamic models. <i>Atmospheric Environment</i> , <b>2022</b> , 268, 118787	5.3	0
16	Climate and air pollution implications of potential energy infrastructure and policy measures in India. <i>Energy and Climate Change</i> , <b>2022</b> , 3, 100067	1.2	0
15	Sources of Aerosol Acidity at a Suburban Site of Nanjing and Their Associations with Chlorophyll Depletion. <i>ACS Earth and Space Chemistry</i> ,	3.2	1
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13	A comparative study of two-way and offline coupled WRF v3.4 and CMAQ v5.0.2 over the contiguous US: performance evaluation and impacts of chemistry-meteorology feedbacks on air quality.. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 7189-7221	6.3	1
12	pH affects the aqueous-phase nitrate-mediated photooxidation of phenolic compounds: implications for brown carbon formation and evolution.. <i>Environmental Sciences: Processes and Impacts</i> , <b>2022</b> ,	4.3	0
11	Characteristics of aerosol chemistry and acidity in Shanghai after PM satisfied national guideline: Insight into future emission control.. <i>Science of the Total Environment</i> , <b>2022</b> , 154319	10.2	0
10	Urban aerosol chemistry at a land-water transition site during summer [Part 2]: Aerosol pH and liquid water content. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 18271-18281	6.8	1
9	Dietary shifts can reduce premature deaths related to particulate matter pollution in China. <i>Nature Food</i> , <b>2021</b> , 2, 997-1004	14.4	1
8	Acidity of Size-Resolved Sea-Salt Aerosol in a Coastal Urban Area: Comparison of Existing and New Approaches. <i>ACS Earth and Space Chemistry</i> ,	3.2	0
7	Seasonal Aerosol Acidity, Liquid Water Content and Their Impact on Fine Urban Aerosol in SE Canada. <i>Atmosphere</i> , <b>2022</b> , 13, 1012	2.7	
6	Simulations of aerosol pH in China using WRF-Chem (v4.0): sensitivities of aerosol pH and its temporal variations during haze episodes. <b>2022</b> , 15, 6143-6164		
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- 1 Trends of source apportioned PM2.5 in Tianjin over 2013–2019: Impacts of Clean Air Actions. **2023**, 325, 121344

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