# Jun Zheng

List of Publications by Year
in descending order

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Version: 2024-02-01

| 68 | 4,188 | 147566 | 118652 |
|---|---|---|---|
| papers | citations | 31 | 62 |
| | | h-index | g-index |

| 94 | 94 | 94 | 3599 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Measurement of atmospheric nanoparticles: Bridging the gap between gas-phase molecules and larger particles. Journal of Environmental Sciences, 2023, 123, 183-202. | 3.2 | 7 |
| 2 | Influence of organic aerosol molecular composition on particle absorptive properties in autumn Beijing. Atmospheric Chemistry and Physics, 2022, 22, 1251-1269. | 1.9 | 8 |
| 3 | Modeling spatial variation of gaseous air pollutants and particulate matters in a Metropolitan area using mobile monitoring data. Environmental Research, 2022, 210, 112858. | 3.7 | 9 |
| 4 | Emissions of Ammonia and Other Nitrogen-Containing Volatile Organic Compounds from Motor Vehicles under Low-Speed Driving Conditions. Environmental Science & Technology, 2022, 56, 5440-5447. | 4.6 | 19 |
| 5 | Formation and growth of sub-3Ânm particles in megacities: impact of background aerosols. Faraday Discussions, 2021, 226, 348-363. | 1.6 | 34 |
| 6 | Impact of COVID-19 lockdown on ambient levels and sources of volatile organic compounds (VOCs) in Nanjing, China. Science of the Total Environment, 2021, 757, 143823. | 3.9 | 29 |
| 7 | Concentrations of total arsenic and arsenic species in PM2.5 in Nanjing, China: spatial variations and influences of local emission sources. Air Quality, Atmosphere and Health, 2021, 14, 271-281. | 1.5 | 3 |
| 8 | Is reducing new particle formation a plausible solution to mitigate particulate air pollution in Beijing and other Chinese megacities?. Faraday Discussions, 2021, 226, 334-347. | 1.6 | 74 |
| 9 | Sulfuric acidâ€“amine nucleation in urban Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2457-2468. | 1.9 | 70 |
| 10 | Radiatively driven NH3 release from agricultural field during wintertime slack season. Atmospheric Environment, 2021, 247, 118228. | 1.9 | 2 |
| 11 | The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing Newâ€Particle Formation in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091944. | 1.5 | 53 |
| 12 | Uptake of Waterâ€soluble Gasâ€phase Oxidation Products Drives Organic Particulate Pollution in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091351. | 1.5 | 24 |
| 13 | An indicator for sulfuric acidâ€“amine nucleation in atmospheric environments. Aerosol Science and Technology, 2021, 55, 1059-1069. | 1.5 | 19 |
| 14 | Seasonality of nitrous acid near an industry zone in the Yangtze River Delta region of China: Formation mechanisms and contribution to the atmospheric oxidation capacity. Atmospheric Environment, 2021, 254, 118420. | 1.9 | 4 |
| 15 | Acidâ€“Base Clusters during Atmospheric New Particle Formation in Urban Beijing. Environmental Science & Technology, 2021, 55, 10994-11005. | 4.6 | 34 |
| 16 | Mixing state and light absorption enhancement of black carbon aerosols in summertime Nanjing, China. Atmospheric Environment, 2020, 222, 117141. | 1.9 | 29 |
| 17 | Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. Big Earth Data, 2020, 4, 295-321. | 2.0 | 54 |
| 18 | Contribution of nitrous acid to the atmospheric oxidation capacity in an industrial zone in the Yangtze River Delta region of China. Atmospheric Chemistry and Physics, 2020, 20, 5457-5475. | 1.9 | 21 |

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|---|---|---|---|
| 19 | Carbenium ion-mediated oligomerization of methylglyoxal for secondary organic aerosol formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13294-13299. | 3.3 | 28 |
| 20 | Mechanism of the atmospheric chemical transformation of acetylacetone and its implications in night-time second organic aerosol formation. Science of the Total Environment, 2020, 720, 137610. | 3.9 | 9 |
| 21 | Responses of gaseous sulfuric acid and particulate sulfate to reduced SO2 concentration: A perspective from long-term measurements in Beijing. Science of the Total Environment, 2020, 721, 137700. | 3.9 | 28 |
| 22 | Seasonal Characteristics of New Particle Formation and Growth in Urban Beijing. Environmental Science & Technology, 2020, 54, 8547-8557. | 4.6 | 78 |
| 23 | Budget of nitrous acid and its impacts on atmospheric oxidative capacity at an urban site in the central Yangtze River Delta region of China. Atmospheric Environment, 2020, 238, 117725. | 1.9 | 13 |
| 24 | Effect of organic coatings derived from the OH-initiated oxidation of amines on soot morphology and cloud activation. Atmospheric Research, 2020, 239, 104905. | 1.8 | 8 |
| 25 | Significant restructuring and light absorption enhancement of black carbon particles by ammonium nitrate coating. Environmental Pollution, 2020, 262, 114172. | 3.7 | 18 |
| 26 | Observational Evidence for the Involvement of Dicarboxylic Acids in Particle Nucleation. Environmental Science and Technology Letters, 2020, 7, 388-394. | 3.9 | 30 |
| 27 | Evolution in physiochemical and cloud condensation nuclei activation properties of crop residue burning particles during photochemical aging. Journal of Environmental Sciences, 2019, 77, 43-53. | 3.2 | 2 |
| 28 | Light absorption properties and potential sources of particulate brown carbon in the Pearl River Delta region of China. Atmospheric Chemistry and Physics, 2019, 19, 11669-11685. | 1.9 | 27 |
| 29 | Characteristics of one-year observation of VOCs, NOx, and O3 at an urban site in Wuhan, China. Journal of Environmental Sciences, 2019, 79, 297-310. | 3.2 | 68 |
| 30 | On-line measurement of fluorescent aerosols near an industrial zone in the Yangtze River Delta region using a wideband integrated bioaerosol spectrometer. Science of the Total Environment, 2019, 656, 447-457. | 3.9 | 12 |
| 31 | The characteristics of abnormal wintertime pollution events in the Jing-Jin-Ji region and its relationships with meteorological factors. Science of the Total Environment, 2018, 626, 887-898. | 3.9 | 71 |
| 32 | Estimating the influence of transport on aerosol size distributions during new particle formation events. Atmospheric Chemistry and Physics, 2018, 18, 16587-16599. | 1.9 | 17 |
| 33 | OH-Initiated Oxidation of Acetylacetone: Implications for Ozone and Secondary Organic Aerosol Formation. Environmental Science & Technology, 2018, 52, 11169-11177. | 4.6 | 43 |
| 34 | Particle acidity and sulfate production during severe haze events in China cannot be reliably inferred by assuming a mixture of inorganic salts. Atmospheric Chemistry and Physics, 2018, 18, 10123-10132. | 1.9 | 90 |
| 35 | Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. Science, 2018, 361, 278-281. | 6.0 | 415 |
| 36 | Data inversion methods to determine sub-3â€‰nm aerosol size distributions using the particle size magnifier. Atmospheric Measurement Techniques, 2018, 11, 4477-4491. | 1.2 | 20 |

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|---|---|---|---|
| 37 | CCN activity of secondary aerosols from terpene ozonolysis under atmospheric relevant conditions. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4654-4669. | 1.2 | 12 |
| 38 | Sizeâ€resolved measurements of mixing state and cloudâ€nucleating ability of aerosols in Nanjing, China. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9430-9450. | 1.2 | 22 |
| 39 | Ageing and hygroscopicity variation of black carbon particles in Beijing measured by a quasi-atmospheric aerosol evolution study (QUALITY) chamber. Atmospheric Chemistry and Physics, 2017, 17, 10333-10348. | 1.9 | 47 |
| 40 | Aerosol surface area concentration: a governing factor in new particle formation in Beijing. Atmospheric Chemistry and Physics, 2017, 17, 12327-12340. | 1.9 | 87 |
| 41 | Detection of formaldehyde emissions from an industrial zone in the Yangtze River Delta region of China using a proton transfer reaction ion-drift chemical ionization mass spectrometer. Atmospheric Measurement Techniques, 2016, 9, 6101-6116. | 1.2 | 46 |
| 42 | An intensive study on aerosol optical properties and affecting factors in Nanjing, China. Journal of Environmental Sciences, 2016, 40, 35-43. | 3.2 | 18 |
| 43 | Markedly enhanced absorption and direct radiative forcing of black carbon under polluted urban environments. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4266-4271. | 3.3 | 453 |
| 44 | Source identification of trace elements in the atmosphere during the second Asian Youth Games in Nanjing, China: Influence of control measures on air quality. Atmospheric Pollution Research, 2016, 7, 547-556. | 1.8 | 47 |
| 45 | Reactions of Atmospheric Particulate Stabilized Criegee Intermediates Lead to High-Molecular-Weight Aerosol Components. Environmental Science & Technology, 2016, 50, 5702-5710. | 4.6 | 54 |
| 46 | Detection of atmospheric gaseous amines and amides by a high-resolution time-of-flight chemical ionization mass spectrometer with protonated ethanol reagent ions. Atmospheric Chemistry and Physics, 2016, 16, 14527-14543. | 1.9 | 95 |
| 47 | Nucleation and growth of sub-3 nm particles in the polluted urban atmosphere of a megacity in China. Atmospheric Chemistry and Physics, 2016, 16, 2641-2657. | 1.9 | 55 |
| 48 | Optical properties and chemical apportionment of summertime PM2.5 in the suburb of Nanjing. Journal of Atmospheric Chemistry, 2016, 73, 119-135. | 1.4 | 7 |
| 49 | Measurements of nitrous acid (HONO) in urban area of Shanghai, China. Environmental Science and Pollution Research, 2016, 23, 5818-5829. | 2.7 | 25 |
| 50 | Development of a new corona discharge based ion source for high resolution time-of-flight chemical ionization mass spectrometer to measure gaseous H 2 SO 4 and aerosol sulfate. Atmospheric Environment, 2015, 119, 167-173. | 1.9 | 22 |
| 51 | Measurement of atmospheric amines and ammonia using the high resolution time-of-flight chemical ionization mass spectrometry. Atmospheric Environment, 2015, 102, 249-259. | 1.9 | 130 |
| 52 | Measurements of submicron aerosols at the Californiaâ€“Mexico border during the Calâ€“Mex 2010 field campaign. Atmospheric Environment, 2014, 88, 308-319. | 1.9 | 32 |
| 53 | Measurements of nitrous acid (HONO) using ion drift-chemical ionization mass spectrometry during the 2009 SHARP field campaign. Atmospheric Environment, 2014, 94, 231-240. | 1.9 | 35 |
| 54 | Role of stabilized Criegee Intermediate in secondary organic aerosol formation from the ozonolysis of Î±-cedrene. Atmospheric Environment, 2014, 94, 448-457. | 1.9 | 40 |

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| 55 | Volatile organic compounds in Tijuana during the Cal-Mex 2010 campaign: Measurements and source apportionment. Atmospheric Environment, 2013, 70, 521-531. | 1.9 | 25 |
| 56 | Measurements of formaldehyde at the U.S.â€“Mexico border during the Cal-Mex 2010 air quality study. Atmospheric Environment, 2013, 70, 513-520. | 1.9 | 22 |
| 57 | Measurements of submicron aerosols in Houston, Texas during the 2009 SHARP field campaign. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,518. | 1.2 | 56 |
| 58 | Primary Sources and Secondary Formation of Organic Aerosols in Beijing, China. Environmental Science & Technology, 2012, 46, 9846-9853. | 4.6 | 170 |
| 59 | Laboratory Investigation on the Role of Organics in Atmospheric Nanoparticle Growth. Journal of Physical Chemistry A, 2011, 115, 8940-8947. | 1.1 | 34 |
| 60 | Submicron aerosol analysis and organic source apportionment in an urban atmosphere in Pearl River Delta of China using high-resolution aerosol mass spectrometry. Journal of Geophysical Research, 2011, 116, . | 3.3 | 182 |
| 61 | Atmospheric nanoparticles formed from heterogeneous reactions of organics. Nature Geoscience, 2010, 3, 238-242. | 5.4 | 269 |
| 62 | Overnight atmospheric transport and chemical processing of photochemically aged Houston urban and petrochemical industrial plume. Journal of Geophysical Research, 2010, 115, . | 3.3 | 14 |
| 63 | Atmospheric Pressure-Ion Drift Chemical Ionization Mass Spectrometry for Detection of Trace Gas Species. Analytical Chemistry, 2010, 82, 7302-7308. | 3.2 | 39 |
| 64 | Formation of nanoparticles of blue haze enhanced by anthropogenic pollution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17650-17654. | 3.3 | 244 |
| 65 | Effects of Coating of Dicarboxylic Acids on the Massâ^'Mobility Relationship of Soot Particles. Environmental Science & Technology, 2009, 43, 2787-2792. | 4.6 | 98 |
| 66 | Enhanced Light Absorption and Scattering by Carbon Soot Aerosol Internally Mixed with Sulfuric Acid. Journal of Physical Chemistry A, 2009, 113, 1066-1074. | 1.1 | 200 |
| 67 | Effects of dicarboxylic acid coating on the optical properties of soot. Physical Chemistry Chemical Physics, 2009, 11, 7869. | 1.3 | 99 |
| 68 | Quantitative Analysis of Hydroperoxyl Radical Using Flow Injection Analysis with Chemiluminescence Detection. Analytical Chemistry, 2003, 75, 4696-4700. | 3.2 | 29 |