

Guangjie Zheng

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	2,417 citations	17 h-index	49 g-index
71 ext. papers	2,959 ext. citations	8.1 avg, IF	4.81 L-index

#	Paper	IF	Citations
36	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2969-2983	6.8	634
35	Reactive nitrogen chemistry in aerosol water as a source of sulfate during haze events in China. <i>Science Advances</i> , 2016 , 2, e1601530	14.3	608
34	Heterogeneous chemistry: a mechanism missing in current models to explain secondary inorganic aerosol formation during the January 2013 haze episode in North China. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2031-2049	6.8	367
33	Impact of aerosol-meteorology interactions on fine particle pollution during China's severe haze episode in January 2013. <i>Environmental Research Letters</i> , 2014 , 9, 094002	6.2	146
32	Measurement of humic-like substances in aerosols: a review. <i>Environmental Pollution</i> , 2013 , 181, 301-14	9.3	116
31	Rapid transition in winter aerosol composition in Beijing from 2014 to 2017: response to clean air actions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11485-11499	6.8	109
30	Episode-Based Evolution Pattern Analysis of Haze Pollution: Method Development and Results from Beijing, China. <i>Environmental Science & Technology</i> , 2016 , 50, 4632-41	10.3	78
29	Isotopic constraints on heterogeneous sulfate production in Beijing haze. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5515-5528	6.8	53
28	Multiphase buffer theory explains contrasts in atmospheric aerosol acidity. <i>Science</i> , 2020 , 369, 1374-1377	33.3	52
27	Marine boundary layer aerosol in the eastern North Atlantic: seasonal variations and key controlling processes. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17615-17635	6.8	30
26	Sea salt emission, transport and influence on size-segregated nitrate simulation: a case study in northwestern Europe by WRF-Chem. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12081-12097	6.8	25
25	Cloud droplet activation of secondary organic aerosol is mainly controlled by molecular weight, not water solubility. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 941-954	6.8	22
24	New particle formation in the remote marine boundary layer. <i>Nature Communications</i> , 2021 , 12, 527	17.4	21
23	Wintertime Particulate Matter Decrease Buffered by Unfavorable Chemical Processes Despite Emissions Reductions in China. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087721	4.9	18
22	Exploring the severe winter haze in Beijing 2014 ,		18
21	Long-range transported North American wildfire aerosols observed in marine boundary layer of eastern North Atlantic. <i>Environment International</i> , 2020 , 139, 105680	12.9	18
20	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11729-11746	6.8	17

19	Large contribution of organics to condensational growth and formation of cloud condensation nuclei (CCN) in the remote marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12515-12525	6.8	16
18	Aerosol and Cloud Experiments in the Eastern North Atlantic (ACE-ENA). <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-51	6.1	10
17	Multiphase chemistry experiment in Fogs and Aerosols in the North China Plain (McFAN): integrated analysis and intensive winter campaign 2018. <i>Faraday Discussions</i> , 2021 , 226, 207-222	3.6	10
16	A newly identified calculation discrepancy of the Sunset semi-continuous carbon analyzer. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 1969-1977	4	9
15	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6053-6065	4	7
14	Integration of field observation and air quality modeling to characterize Beijing aerosol in different seasons. <i>Chemosphere</i> , 2020 , 242, 125195	8.4	6
13	Retrieval of high time resolution growth factor probability density function from a humidity-controlled fast integrated mobility spectrometer. <i>Aerosol Science and Technology</i> , 2019 , 53, 1092-1106	3.4	3
12	Measurement of particle sulfate from micro-aethalometer filters. <i>Atmospheric Environment</i> , 2014 , 95, 520-524	5.3	3
11	Vertical profiles of trace gas and aerosol properties over the eastern North Atlantic: variations with season and synoptic condition. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11079-11098	6.8	3
10	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain 2020 ,		2
9	Regional modelling of polycyclic aromatic hydrocarbons: WRF-Chem-PAH model development and East Asia case studies. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12253-12267	6.8	2
8	A newly identified calculation discrepancy of the Sunset semi-continuous carbon analyzer 2014 ,		2
7	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH		2
6	Identifying a regional aerosol baseline in the eastern North Atlantic using collocated measurements and a mathematical algorithm to mask high-submicron-number-concentration aerosol events. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7553-7573	6.8	2
5	Rapid measurement of RH-dependent aerosol hygroscopic growth using a humidity-controlled fast integrated mobility spectrometer (HFIMS). <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 5625-5635	4	2
4	Sea salt emission, transportation and influence on nitrate simulation: a case study in Europe 2016 ,		1
3	Significant Contribution of Coarse Black Carbon Particles to Light Absorption in North China Plain. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 134-139	11	1
2	Impact of dry intrusion events on the composition and mixing state of particles during the winter Aerosol and Cloud Experiment in the Eastern North Atlantic (ACE-ENA). <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 18123-18146	6.8	1

- 1 Impact of non-ideality on reconstructing spatial and temporal variations in aerosol acidity with multiphase buffer theory. *Atmospheric Chemistry and Physics*, **2022**, 22, 47-63 6.8 o