Guangjie Zheng

List of Publications by Year in Descending Order

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	Significant Contribution of Coarse Black Carbon Particles to Light Absorption in North China Plain. *Environmental Science and Technology Letters*, **2022**, 9, 134-139	11	1
35	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	0
34	Vertical profiles of trace gas and aerosol properties over the eastern North Atlantic: variations with season and synoptic condition. *Atmospheric Chemistry and Physics*, **2021**, 21, 11079-11098	6.8	3
33	Aerosol and Cloud Experiments in the Eastern North Atlantic (ACE-ENA). *Bulletin of the American Meteorological Society*, **2021**, 1-51	6.1	10
32	Rapid measurement of RH-dependent aerosol hygroscopic growth using a humidity-controlled fast integrated mobility spectrometer (HFIMS). *Atmospheric Measurement Techniques*, **2021**, 14, 5625-5635	4	2
31	Multiphase chemistry experiment in Fogs and Aerosols in the North China Plain (McFAN): integrated analysis and intensive winter campaign 2018. *Faraday Discussions*, **2021**, 226, 207-222	3.6	10
30	New particle formation in the remote marine boundary layer. *Nature Communications*, **2021**, 12, 527	17.4	21
29	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). *Atmospheric Chemistry and Physics*, **2021**, 21, 18123-18146	6.8	1
28	Wintertime Particulate Matter Decrease Buffered by Unfavorable Chemical Processes Despite Emissions Reductions in China. *Geophysical Research Letters*, **2020**, 47, e2020GL087721	4.9	18
27	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain **2020**,		2
26	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain. *Atmospheric Chemistry and Physics*, **2020**, 20, 11729-11746	6.8	17
25	Large contribution of organics to condensational growth and formation of cloud condensation nuclei (CCN) in the remote marine boundary layer. *Atmospheric Chemistry and Physics*, **2020**, 20, 12515-12525	6.8	16
24	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH. *Atmospheric Measurement Techniques*, **2020**, 13, 6053-6065	4	7
23	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. *Atmospheric Chemistry and Physics*, **2020**, 20, 7553-7573	6.8	2
22	Multiphase buffer theory explains contrasts in atmospheric aerosol acidity. *Science*, **2020**, 369, 1374-1377	33.3	52
21	Integration of field observation and air quality modeling to characterize Beijing aerosol in different seasons. *Chemosphere*, **2020**, 242, 125195	8.4	6
20	Long-range transported North American wildfire aerosols observed in marine boundary layer of eastern North Atlantic. *Environment International*, **2020**, 139, 105680	12.9	18

19	Rapid transition in winter aerosol composition in Beijing from 2014 to 2017: response to clean air actions. *Atmospheric Chemistry and Physics*, **2019**, 19, 11485-11499	6.8	109
18	Cloud droplet activation of secondary organic aerosol is mainly controlled by molecular weight, not water solubility. *Atmospheric Chemistry and Physics*, **2019**, 19, 941-954	6.8	22
17	Retrieval of high time resolution growth factor probability density function from a humidity-controlled fast integrated mobility spectrometer. *Aerosol Science and Technology*, **2019**, 53, 1092-1106	3.4	3
16	Isotopic constraints on heterogeneous sulfate production in Beijing haze. *Atmospheric Chemistry and Physics*, **2018**, 18, 5515-5528	6.8	53
15	Marine boundary layer aerosol in the eastern North Atlantic: seasonal variations and key controlling processes. *Atmospheric Chemistry and Physics*, **2018**, 18, 17615-17635	6.8	30
14	Regional modelling of polycyclic aromatic hydrocarbons: WRF-Chem-PAH model development and East Asia case studies. *Atmospheric Chemistry and Physics*, **2017**, 17, 12253-12267	6.8	2
13	Sea salt emission, transportation and influence on nitrate simulation: a case study in Europe **2016**,		1
12	Sea salt emission, transport and influence on size-segregated nitrate simulation: a case study in northwestern Europe by WRF-Chem. *Atmospheric Chemistry and Physics*, **2016**, 16, 12081-12097	6.8	25
11	Reactive nitrogen chemistry in aerosol water as a source of sulfate during haze events in China. *Science Advances*, **2016**, 2, e1601530	14.3	608
10	Episode-Based Evolution Pattern Analysis of Haze Pollution: Method Development and Results from Beijing, China. *Environmental Science & Technology*, **2016**, 50, 4632-41	10.3	78
9	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. *Atmospheric Chemistry and Physics*, **2015**, 15, 2969-2983	6.8	634
8	Heterogeneous chemistry: a mechanism missing in current models to explain secondary inorganic aerosol formation during the January 2013 haze episode in North China. *Atmospheric Chemistry and Physics*, **2015**, 15, 2031-2049	6.8	367
7	Measurement of particle sulfate from micro-aethalometer filters. *Atmospheric Environment*, **2014**, 95, 520-524	5.3	3
6	Impact of aerosol□meteorology interactions on fine particle pollution during China□s severe haze episode in January 2013. *Environmental Research Letters*, **2014**, 9, 094002	6.2	146
5	A newly identified calculation discrepancy of the Sunset semi-continuous carbon analyzer **2014**,		2
4	A newly identified calculation discrepancy of the Sunset semi-continuous carbon analyzer. *Atmospheric Measurement Techniques*, **2014**, 7, 1969-1977	4	9
3	Exploring the severe winter haze in Beijing **2014**,		18
2	Measurement of humic-like substances in aerosols: a review. *Environmental Pollution*, **2013**, 181, 301-14	9.3	116

Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH