Pusheng Zhao

List of Publications by Year
in descending order

23 papers	1,047 citations	516710 16 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1282 citing authors

#	Article	IF	Citations
1	Long-term visibility trends and characteristics in the region of Beijing, Tianjin, and Hebei, China. Atmospheric Research, 2011, 101, 711-718.	4.1	197
2	Characteristics of carbonaceous aerosol in the region of Beijing, Tianjin, and Hebei, China. Atmospheric Environment, 2013, 71, 389-398.	4.1	143
3	Aerosol pH and its driving factors in Beijing. Atmospheric Chemistry and Physics, 2019, 19, 7939-7954.	4.9	131
4	Exploring the nitrous acid (HONO) formation mechanism in winter Beijing: direct emissions and heterogeneous production in urban and suburban areas. Faraday Discussions, 2016, 189, 213-230.	3.2	77
5	Mortality and air pollution in Beijing: The long-term relationship. Atmospheric Environment, 2017, 150, 238-243.	4.1	69
6	Distinct diurnal variation in organic aerosol hygroscopicity and its relationship with oxygenated organic aerosol. Atmospheric Chemistry and Physics, 2020, 20, 865-880.	4.9	46
7	Comparisons of measured nitrous acid (HONO) concentrations in a pollution period at urban and suburban Beijing, in autumn of 2014. Science China Chemistry, 2015, 58, 1393-1402.	8.2	41
8	Retrospective analysis of 2015â€“2017 wintertime PM_{2.5} in China: response to emission regulations and the role of meteorology. Atmospheric Chemistry and Physics, 2019, 19, 7409-7427.	4.9	41
9	Cause of PM2.5 pollution during the 2016-2017 heating season in Beijing, Tianjin, and Langfang, China. Journal of Environmental Sciences, 2020, 95, 201-209.	6.1	38
10	Current Challenges in Visibility Improvement in Southern China. Environmental Science and Technology Letters, 2020, 7, 395-401.	8.7	38
11	Dust-Dominated Coarse Particles as a Medium for Rapid Secondary Organic and Inorganic Aerosol Formation in Highly Polluted Air. Environmental Science & Technology, 2020, 54, 15710-15721.	10.0	37
12	Pollution characteristics and potential sources of nitrous acid (HONO) in early autumn 2018 of Beijing. Science of the Total Environment, 2020, 735, 139317.	8.0	27
13	Insights into measurements of water-soluble ions in PM2.5 and their gaseous precursors in Beijing. Journal of Environmental Sciences, 2021, 102, 123-137.	6.1	22
14	Comparison of size-resolved hygroscopic growth factors of urban aerosol by different methods in Tianjin during a haze episode. Science of the Total Environment, 2019, 678, 618-626.	8.0	21
15	High time-resolution measurement of light scattering hygroscopic growth factor in Beijing: A novel method for high relative humidity conditions. Atmospheric Environment, 2019, 215, 116912.	4.1	20
16	Size-resolved carbonaceous components and water-soluble ions measurements of ambient aerosol in Beijing. Journal of Environmental Sciences, 2017, 54, 298-313.	6.1	16
17	Aerosol hygroscopicity based on size-resolved chemical compositions in Beijing. Science of the Total Environment, 2020, 716, 137074.	8.0	16
18	Aerosol liquid water content of PM2.5 and its influencing factors in Beijing, China. Science of the Total Environment, 2022, 839, 156342.	8.0	13

#	Article	IF	Citations
19	Chemical Compositions and Liquid Water Content of Size-Resolved Aerosol in Beijing. Aerosol and Air Quality Research, 2018, 18, 680-692.	2.1	12
20	Contrasting effects of secondary organic aerosol formations on organic aerosol hygroscopicity. Atmospheric Chemistry and Physics, 2021, 21, 10375-10391.	4.9	10
21	Development and application of the WRFDA-Chem three-dimensional variational (3DVAR) system: aiming to improve air quality forecasting and diagnose model deficiencies. Atmospheric Chemistry and Physics, 2020, 20, 9311-9329.	4.9	10
22	The Levels and Sources of Nitrous Acid (HONO) in Winter of Beijing and Sanmenxia. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	9
23	Relative Humidity Dependence of Hygroscopicity Parameter of Ambient Aerosols. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	6