Yu Wang

List of Publications by Year
in descending order

26	1,021	516710 16	552781 26
papers	citations	h-index	g-index

46	46	46	1330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aerosol Liquid Water Driven by Anthropogenic Inorganic Salts: Implying Its Key Role in Haze Formation over the North China Plain. Environmental Science and Technology Letters, 2018, 5, 160-166.	8.7	165
2	Submicrometer Particles Are in the Liquid State during Heavy Haze Episodes in the Urban Atmosphere of Beijing, China. Environmental Science and Technology Letters, 2017, 4, 427-432.	8.7	139
3	Enhanced aerosol particle growth sustained by high continental chlorine emission in India. Nature Geoscience, 2021, 14, 77-84.	12.9	94
4	New insight into PM2.5 pollution patterns in Beijing based on one-year measurement of chemical compositions. Science of the Total Environment, 2018, 621, 734-743.	8.0	78
5	Mutual promotion between aerosol particle liquid water and particulate nitrate enhancement leads to severe nitrate-dominated particulate matter pollution and low visibility. Atmospheric Chemistry and Physics, 2020, 20, 2161-2175.	4.9	74
6	Mitigation of PM_{2.5} and ozone pollution in Delhi: a sensitivity study during the pre-monsoon period. Atmospheric Chemistry and Physics, 2020, 20, 499-514.	4.9	52
7	Local characteristics of and exposure to fine particulate matter (PM2.5) in four indian megacities. Atmospheric Environment: X, 2020, 5, 100052.	1.4	47
8	Avoiding high ozone pollution in Delhi, India. Faraday Discussions, 2021, 226, 502-514.	3.2	42
9	Statistical analysis and parameterization of the hygroscopic growth of the sub-micrometer urban background aerosol in Beijing. Atmospheric Environment, 2018, 175, 184-191.	4.1	36
10	Interactions between water vapor and atmospheric aerosols have key roles in air quality and climate change. National Science Review, 2018, 5, 452-454.	9.5	33
11	Significant Climate Impact of Highly Hygroscopic Atmospheric Aerosols in Delhi, India. Geophysical Research Letters, 2019, 46, 5535-5545.	4.0	33
12	Chemical and physical properties of biomass burning aerosols and their CCN activity: A case study in Beijing, China. Science of the Total Environment, 2017, 579, 1260-1268.	8.0	24
13	Uptake of Waterâ€soluble Gasâ€phase Oxidation Products Drives Organic Particulate Pollution in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091351.	4.0	24
14	The influence of impactor size cut-off shift caused by hygroscopic growth on particulate matter loading and composition measurements. Atmospheric Environment, 2018, 195, 141-148.	4.1	23
15	Ammonium Chloride Associated Aerosol Liquid Water Enhances Haze in Delhi, India. Environmental Science & Technology, 2022, 56, 7163-7173.	10.0	21
16	Exploring the composition and volatility of secondary organic aerosols in mixed anthropogenic and biogenic precursor systems. Atmospheric Chemistry and Physics, 2021, 21, 14251-14273.	4.9	20
17	Characterization and Influence Factors of PM_{2.5}Emitted from Crop Straw Burning. Acta Chimica Sinica, 2016, 74, 356.	1.4	15
18	Tropospheric aerosol hygroscopicity in China. Atmospheric Chemistry and Physics, 2020, 20, 13877-13903.	4.9	14

#	Article	IF	Citations
19	Characterisation of the Manchester Aerosol Chamber facility. Atmospheric Measurement Techniques, 2022, 15, 539-559.	3.1	14
20	Acidity and inorganic ion formation in PM2.5 based on continuous online observations in a South China megacity. Atmospheric Pollution Research, 2020, 11, 1339-1350.	3.8	13
21	Identification of Aerosol Pollution Hotspots in Jiangsu Province of China. Remote Sensing, 2021, 13, 2842.	4.0	11
22	Photochemical reaction playing a key role in particulate matter pollution over Central France: Insight from the aerosol optical properties. Science of the Total Environment, 2019, 657, 1074-1084.	8.0	9
23	Particle hygroscopicity inhomogeneity and its impact on reactive uptake. Science of the Total Environment, 2022, 811, 151364.	8.0	8
24	Phase state of secondary organic aerosol in chamber photo-oxidation of mixed precursors. Atmospheric Chemistry and Physics, 2021, 21, 11303-11316.	4.9	7
25	Vertical profile of particle hygroscopicity and CCN effectiveness during winter in Beijing: insight into the hygroscopicity transition threshold of black carbon. Faraday Discussions, 2021, 226, 239-254.	3.2	5
26	On the evolution of sub- and super-saturated water uptake of secondary organic aerosol in chamber experiments from mixed precursors. Atmospheric Chemistry and Physics, 2022, 22, 4149-4166.	4.9	4