Yafang Cheng

List of Publications by Year
in descending order

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172 papers	15,000 citations	30551 56 h-index	25983 112 g-index
319 all docs	319 docs citations	319 times ranked	12076 citing authors

#	Article	IF	Citations
1	The different sensitivities of aerosol optical properties to particle concentration, humidity, and hygroscopicity between the surface level and the upper boundary layer in Guangzhou, China. Science of the Total Environment, 2022, 803, 150010.	3.9	9
2	Water-driven microbial nitrogen transformations in biological soil crusts causing atmospheric nitrous acid and nitric oxide emissions. ISME Journal, 2022, 16, 1012-1024.	4.4	22
3	Volatile organic compounds in wintertime North China Plain: Insights from measurements of proton transfer reaction time-of-flight mass spectrometer (PTR-ToF-MS). Journal of Environmental Sciences, 2022, 114, 98-114.	3.2	10
4	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.	1.9	4
5	Key Role of Equilibrium HONO Concentration over Soil in Quantifying Soilâ€“Atmosphere HONO Fluxes. Environmental Science & Technology, 2022, 56, 2204-2212.	4.6	8
6	Bimodal distribution of size-resolved particle effective density: results from a short campaign in a rural environment over the North China Plain. Atmospheric Chemistry and Physics, 2022, 22, 2029-2047.	1.9	7
7	Brown carbon from biomass burning imposes strong circum-Arctic warming. One Earth, 2022, 5, 293-304.	3.6	23
8	Hygroscopicity of organic compounds as a function of organic functionality, water solubility, molecular weight, and oxidation level. Atmospheric Chemistry and Physics, 2022, 22, 3985-4004.	1.9	21
9	The impact of chlorine chemistry combined with heterogeneous N₂O₅ reactions on air quality in China. Atmospheric Chemistry and Physics, 2022, 22, 3743-3762.	1.9	2
10	Seasonality and reduced nitric oxide titration dominated ozone increase during COVID-19 lockdown in eastern China. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	30
11	Direct observations indicate photodegradable oxygenated volatile organic compounds (OVOCs) as larger contributors to radicals and ozone production in the atmosphere. Atmospheric Chemistry and Physics, 2022, 22, 4117-4128.	1.9	24
12	Measurement report: On the difference in aerosol hygroscopicity between high and low relative humidity conditions in the North China Plain. Atmospheric Chemistry and Physics, 2022, 22, 4599-4613.	1.9	5
13	Particle number size distribution of PM1 and PM10 in fogs and implications on fog droplet evolutions. Atmospheric Environment, 2022, 277, 119086.	1.9	4
14	Revisiting the Key Driving Processes of the Decadal Trend of Aerosol Acidity in the U.S. ACS Environmental Au, 2022, 2, 346-353.	3.3	4
15	Global cycling and climate effects of aeolian dust controlled by biological soil crusts. Nature Geoscience, 2022, 15, 458-463.	5.4	36
16	Characteristics and source apportionment of black carbon aerosol in the North China Plain. Atmospheric Research, 2022, 276, 106246.	1.8	5
17	Long-term trend of ozone pollution in China during 2014â€“2020: distinct seasonal and spatial characteristics and ozone sensitivity. Atmospheric Chemistry and Physics, 2022, 22, 8935-8949.	1.9	43
18	Highly oxygenated organic molecules with high unsaturation formed upon photochemical aging of soot. CheM, 2022, 8, 2688-2699.	5.8	10

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19	Effect of mixing structure on the water uptake of mixtures of ammonium sulfate and phthalic acid particles. Atmospheric Chemistry and Physics, 2021, 21, 2179-2190.	1.9	5
20	Lidar vertical observation network and data assimilation reveal key processes driving the 3-D dynamic evolution of PM_{2.5} concentrations over the North China Plain. Atmospheric Chemistry and Physics, 2021, 21, 7023-7037.	1.9	16
21	Light absorption of black carbon and brown carbon in winter in North China Plain: comparisons between urban and rural sites. Science of the Total Environment, 2021, 770, 144821.	3.9	33
22	Reactive nitrogen around the Arabian Peninsula and in the Mediterranean Sea during the 2017 AQABA ship campaign. Atmospheric Chemistry and Physics, 2021, 21, 7473-7498.	1.9	12
23	Secondary aerosol formation alters CCN activity in the North China Plain. Atmospheric Chemistry and Physics, 2021, 21, 7409-7427.	1.9	11
24	Face masks effectively limit the probability of SARS-CoV-2 transmission. Science, 2021, 372, 1439-1443.	6.0	240
25	Exploring the Drivers and Photochemical Impact of the Positive Correlation between Single Scattering Albedo and Aerosol Optical Depth in the Troposphere. Environmental Science and Technology Letters, 2021, 8, 504-510.	3.9	7
26	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. Atmospheric Chemistry and Physics, 2021, 21, 11453-11465.	1.9	14
27	Quantifying the role of PM2.5 dropping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. Science of the Total Environment, 2021, 788, 147712.	3.9	54
28	Highly Resolved Dynamic Emissions of Air Pollutants and Greenhouse Gas CO‹sub›2‹/sub› during COVID-19 Pandemic in East China. Environmental Science and Technology Letters, 2021, 8, 853-860.	3.9	13
29	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.	1.6	23
30	High-Resolution Fluorescence Spectra of Airborne Biogenic Secondary Organic Aerosols: Comparisons to Primary Biological Aerosol Particles and Implications for Single-Particle Measurements. Environmental Science & Technology, 2021, 55, 16747-16756.	4.6	7
31	Aerosol-boundary-layer-monsoon interactions amplify semi-direct effect of biomass smoke on low cloud formation in Southeast Asia. Nature Communications, 2021, 12, 6416.	5.8	53
32	Calibration and evaluation of a broad supersaturation scanning (BS2) cloud condensation nuclei counter for rapid measurement of particle hygroscopicity and cloud condensation nuclei (CCN) activity. Atmospheric Measurement Techniques, 2021, 14, 6991-7005.	1.2	1
33	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer. Science of the Total Environment, 2020, 703, 134475.	3.9	18
34	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.	4.6	37
35	Natural gas shortages during the â€œcoal-to-gasâ€•transition in China have caused a large redistribution of air pollution in winter 2017. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31018-31025.	3.3	56
36	Model Calculations of Aerosol Transmission and Infection Risk of COVID-19 in Indoor Environments. International Journal of Environmental Research and Public Health, 2020, 17, 8114.	1.2	158

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37	High Concentrations of Atmospheric Isocyanic Acid (HNCO) Produced from Secondary Sources in China. Environmental Science & Technology, 2020, 54, 11818-11826.	4.6	20
38	New Multiphase Chemical Processes Influencing Atmospheric Aerosols, Air Quality, and Climate in the Anthropocene. Accounts of Chemical Research, 2020, 53, 2034-2043.	7.6	90
39	Multiphase buffer theory explains contrasts in atmospheric aerosol acidity. Science, 2020, 369, 1374-1377.	6.0	115
40	Hygroscopic properties of NaCl nanoparticles on the surface: a scanning force microscopy study. Physical Chemistry Chemical Physics, 2020, 22, 9967-9973.	1.3	8
41	Hygroscopicity of amino acids and their effect on the water uptake of ammonium sulfate in the mixed aerosol particles. Science of the Total Environment, 2020, 734, 139318.	3.9	15
42	Natural sea-salt emissions moderate the climate forcing of anthropogenic nitrate. Atmospheric Chemistry and Physics, 2020, 20, 771-786.	1.9	12
43	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia PhaseÂIII (MICS-Asia III) â€“ PartÂ2: aerosol radiative effects and aerosol feedbacks. Atmospheric Chemistry and Physics, 2020, 20, 1147-1161.	1.9	20
44	Distinct diurnal variation in organic aerosol hygroscopicity and its relationship with oxygenated organic aerosol. Atmospheric Chemistry and Physics, 2020, 20, 865-880.	1.9	46
45	Photochemical Aqueous-Phase Reactions Induce Rapid Daytime Formation of Oxygenated Organic Aerosol on the North China Plain. Environmental Science & Technology, 2020, 54, 3849-3860.	4.6	85
46	Molecular characterization of firework-related urban aerosols using Fourier transform ion cyclotron resonance mass spectrometry. Atmospheric Chemistry and Physics, 2020, 20, 6803-6820.	1.9	27
47	Influx of African biomass burning aerosol during the Amazonian dry season through layered transatlantic transport of black carbon-rich smoke. Atmospheric Chemistry and Physics, 2020, 20, 4757-4785.	1.9	40
48	Measurement report: Vertical distribution of atmospheric particulate matter within the urban boundary layer in southern China â€“ size-segregated chemical composition and secondary formation through cloud processing and heterogeneous reactions. Atmospheric Chemistry and Physics, 2020, 20, 6435-6453.	1.9	29
49	Chemical Differences Between PM₁ and PM_{2.5} in Highly Polluted Environment and Implications in Air Pollution Studies. Geophysical Research Letters, 2020, 47, e2019GL086288.	1.5	72
50	Predicting cloud condensation nuclei number concentration based on conventional measurements of aerosol properties in the North China Plain. Science of the Total Environment, 2020, 719, 137473.	3.9	9
51	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032200.	1.2	30
52	Molecular markers of biomass burning and primary biological aerosols in urban Beijing: size distribution and seasonal variation. Atmospheric Chemistry and Physics, 2020, 20, 3623-3644.	1.9	22
53	Modeling the smoky troposphere of the southeast Atlantic: a comparison to ORACLES airborne observations from September of 2016. Atmospheric Chemistry and Physics, 2020, 20, 11491-11526.	1.9	32
54	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.	1.9	47

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55	Impact of biomass burning aerosols on radiation, clouds, and precipitation over the Amazon: relative importance of aerosolâ€“cloud and aerosolâ€“radiation interactions. Atmospheric Chemistry and Physics, 2020, 20, 13283-13301.	1.9	59
56	Measurements of higher alkanes using NO⁺ chemical ionization in PTR-ToF-MS: important contributions of higher alkanes to secondary organic aerosols in China. Atmospheric Chemistry and Physics, 2020, 20, 14123-14138.	1.9	24
57	Nano-hygroscopicity tandem differential mobility analyzer (nano-HTDMA) for investigating hygroscopic properties of sub-10â€‰nm aerosol nanoparticles. Atmospheric Measurement Techniques, 2020, 13, 5551-5567.	1.2	11
58	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH. Atmospheric Measurement Techniques, 2020, 13, 6053-6065.	1.2	16
59	Persistent growth of anthropogenic non-methane volatile organic compound (NMVOC) emissions in China during 1990â€“2017: drivers, speciation and ozone formation potential. Atmospheric Chemistry and Physics, 2019, 19, 8897-8913.	1.9	267
60	Relative importance of gas uptake on aerosol and ground surfaces characterized by equivalent uptake coefficients. Atmospheric Chemistry and Physics, 2019, 19, 10981-11011.	1.9	25
61	Second inflection point of water surface tension in the deeply supercooled regime revealed by entropy anomaly and surface structure using molecular dynamics simulations. Physical Chemistry Chemical Physics, 2019, 21, 3360-3369.	1.3	19
62	Modeling the aging process of black carbon during atmospheric transport using a new approach: a case study in Beijing. Atmospheric Chemistry and Physics, 2019, 19, 9663-9680.	1.9	17
63	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. Environmental Science & Technology, 2019, 53, 12506-12518.	4.6	45
64	Size-Resolved Single-Particle Fluorescence Spectrometer for Real-Time Analysis of Bioaerosols: Laboratory Evaluation and Atmospheric Measurements. Environmental Science & Technology, 2019, 53, 13257-13264.	4.6	14
65	Global NO and HONO emissions of biological soil crusts estimated by a process-based non-vascular vegetation model. Biogeosciences, 2019, 16, 2003-2031.	1.3	14
66	Molecular Characterization and Source Identification of Atmospheric Particulate Organosulfates Using Ultrahigh Resolution Mass Spectrometry. Environmental Science & Technology, 2019, 53, 6192-6202.	4.6	34
67	Soil HONO emissions at high moisture content are driven by microbial nitrate reduction to nitrite: tackling the HONO puzzle. ISME Journal, 2019, 13, 1688-1699.	4.4	57
68	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air. Atmospheric Chemistry and Physics, 2019, 19, 2209-2232.	1.9	12
69	Hygroscopicity of organic surrogate compounds from biomass burningÂand their effect on the efflorescence of ammonium sulfateÂinÂmixed aerosol particles. Atmospheric Chemistry and Physics, 2018, 18, 1045-1064.	1.9	21
70	Technical note: Influence of surface roughness and local turbulence on coated-wall flow tube experiments for gas uptake andÂkineticÂstudies. Atmospheric Chemistry and Physics, 2018, 18, 2669-2686.	1.9	9
71	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) â€“ PartÂ1: Overview and model evaluation. Atmospheric Chemistry and Physics, 2018, 18, 4859-4884.	1.9	69
72	A parameterization of the heterogeneous hydrolysis of N₂O₅ for mass-based aerosol models: improvement of particulate nitrate prediction. Atmospheric Chemistry and Physics, 2018, 18, 673-689.	1.9	35

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73	Emission of nitrous acid from soil and biological soil crusts represents an important source of HONO in the remote atmosphere in Cyprus. Atmospheric Chemistry and Physics, 2018, 18, 799-813.	1.9	52
74	Temperature effect on phase state and reactivity controls atmospheric multiphase chemistry and transport of PAHs. Science Advances, 2018, 4, eaap7314.	4.7	100
75	Molecular dynamics simulation of the surface tension of aqueous sodium chloride: from dilute to highly supersaturated solutions and molten salt. Atmospheric Chemistry and Physics, 2018, 18, 17077-17086.	1.9	32
76	Strong impact of wildfires on the abundance and aging of black carbon in the lowermost stratosphere. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11595-E11603.	3.3	89
77	Amplification of light absorption of black carbon associated with air pollution. Atmospheric Chemistry and Physics, 2018, 18, 9879-9896.	1.9	67
78	Sizing of Ambient Particles From a Singleâ€Particle Soot Photometer Measurement to Retrieve Mixing State of Black Carbon at a Regional Site of the North China Plain. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,778.	1.2	24
79	Light absorption of brown carbon in eastern China based on 3-year multi-wavelength aerosol optical property observations and an improved absorption Ã…ngstrÃ¶m exponent segregation method. Atmospheric Chemistry and Physics, 2018, 18, 9061-9074.	1.9	68
80	Mixing state and particle hygroscopicity of organic-dominated aerosols over the Pearl River Delta region in China. Atmospheric Chemistry and Physics, 2018, 18, 14079-14094.	1.9	30
81	Long-term observations of cloud condensation nuclei over the Amazon rain forest â€“ Part 2: Variability and characteristics of biomass burning, long-range transport, and pristine rain forest aerosols. Atmospheric Chemistry and Physics, 2018, 18, 10289-10331.	1.9	64
82	Black and brown carbon over central Amazonia: long-term aerosol measurements at the ATTO site. Atmospheric Chemistry and Physics, 2018, 18, 12817-12843.	1.9	54
83	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014. Atmospheric Chemistry and Physics, 2018, 18, 10275-10287.	1.9	20
84	Isotopic constraints on heterogeneous sulfate production in Beijing haze. Atmospheric Chemistry and Physics, 2018, 18, 5515-5528.	1.9	76
85	Atmospheric protein chemistry influenced by anthropogenic air pollutants: nitration and oligomerization upon exposure to ozone and nitrogen dioxide. Faraday Discussions, 2017, 200, 413-427.	1.6	37
86	Contributions of volatile and nonvolatile compounds (at 300Â°C) to condensational growth of atmospheric nanoparticles: An assessment based on 8.5â€‰years of observations at the Central Europe background site Melpitz. Journal of Geophysical Research D: Atmospheres, 2017, 122, 485-497.	1.2	11
87	Severe Pollution in China Amplified by Atmospheric Moisture. Scientific Reports, 2017, 7, 15760.	1.6	151
88	Light-induced protein nitration and degradation with HONOÂemission. Atmospheric Chemistry and Physics, 2017, 17, 11819-11833.	1.9	22
89	Regional modelling of polycyclic aromatic hydrocarbons: WRF-Chem-PAH model development and East Asia case studies. Atmospheric Chemistry and Physics, 2017, 17, 12253-12267.	1.9	3
90	MIX: a mosaic Asian anthropogenic emission inventory under the international collaboration framework of the MICS-Asia and HTAP. Atmospheric Chemistry and Physics, 2017, 17, 935-963.	1.9	1,069

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91	Comparison of different Aethalometer correction schemes and a reference multi-wavelength absorption technique for ambient aerosol data. Atmospheric Measurement Techniques, 2017, 10, 2837-2850.	1.2	44
92	A broad supersaturation scanning (BS2) approach for rapid measurement of aerosol particle hygroscopicity and cloud condensation nuclei activity. Atmospheric Measurement Techniques, 2016, 9, 5183-5192.	1.2	2
93	Measuring the morphology and density of internally mixed black carbon with SP2 and VTDMA: new insight into the absorption enhancement of black carbon in the atmosphere. Atmospheric Measurement Techniques, 2016, 9, 1833-1843.	1.2	71
94	Reactive nitrogen chemistry in aerosol water as a source of sulfate during haze events in China. Science Advances, 2016, 2, e1601530.	4.7	820
95	Episode-Based Evolution Pattern Analysis of Haze Pollution: Method Development and Results from Beijing, China. Environmental Science & Technology, 2016, 50, 4632-4641.	4.6	100
96	Enhanced haze pollution by black carbon in megacities in China. Geophysical Research Letters, 2016, 43, 2873-2879.	1.5	590
97	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.	1.9	33
98	Evaluation of the size segregation of elemental carbon (EC) emission in Europe: influence on the simulation of EC long-range transportation. Atmospheric Chemistry and Physics, 2016, 16, 1823-1835.	1.9	17
99	Uptake of gaseous formaldehyde by soil surfaces: a combination of adsorption/desorption equilibrium and chemical reactions. Atmospheric Chemistry and Physics, 2016, 16, 10299-10311.	1.9	26
100	Ambient measurement of fluorescent aerosol particles with a WIBS in the Yangtze River Delta of China: potential impacts of combustion-related aerosol particles. Atmospheric Chemistry and Physics, 2016, 16, 11337-11348.	1.9	32
101	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the landâ€“atmosphereâ€“oceanâ€“society continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461.	1.9	57
102	Daytime formation of nitrous acid at a coastal remote site in Cyprus indicating a common ground source of atmospheric HONO and NO. Atmospheric Chemistry and Physics, 2016, 16, 14475-14493.	1.9	69
103	Long-term observations of cloud condensation nuclei in the Amazon rain forest â€“ Part 1: Aerosol size distribution, hygroscopicity, and new model parametrizations for CCN prediction. Atmospheric Chemistry and Physics, 2016, 16, 15709-15740.	1.9	105
104	Comprehensive mapping and characteristic regimes of aerosol effects on the formation and evolution of pyro-convective clouds. Atmospheric Chemistry and Physics, 2015, 15, 10325-10348.	1.9	19
105	Source sector and region contributions to BC and PM_{2.5} in Central Asia. Atmospheric Chemistry and Physics, 2015, 15, 1683-1705.	1.9	18
106	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.	1.9	843
107	Effects of urban land expansion on the regional meteorology and air quality of eastern China. Atmospheric Chemistry and Physics, 2015, 15, 8597-8614.	1.9	69
108	Biological soil crusts accelerate the nitrogen cycle through large NO and HONO emissions in drylands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15384-15389.	3.3	153

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109	Size dependence of phase transitions in aerosol nanoparticles. Nature Communications, 2015, 6, 5923.	5.8	131
110	Scanning supersaturation condensation particle counter applied as a nano-CCN counter for size-resolved analysis of the hygroscopicity and chemical composition of nanoparticles. Atmospheric Measurement Techniques, 2015, 8, 2161-2172.	1.2	20
111	Assessment of cloud supersaturation by size-resolved aerosol particle and cloud condensation nuclei (CCN) measurements. Atmospheric Measurement Techniques, 2014, 7, 2615-2629.	1.2	23
112	A newly identified calculation discrepancy of the Sunset semi-continuous carbon analyzer. Atmospheric Measurement Techniques, 2014, 7, 1969-1977.	1.2	11
113	Chemical characteristics of PM10 during the summer in the mega-city Guangzhou, China. Atmospheric Research, 2014, 137, 25-34.	1.8	32
114	Sensitivity of predicted pollutant levels to anthropogenic heat emissions in Beijing. Atmospheric Environment, 2014, 89, 169-178.	1.9	33
115	Chemical characteristics of size-resolved aerosols in winter in Beijing. Journal of Environmental Sciences, 2014, 26, 1641-1650.	3.2	27
116	Daytime HONO formation in the suburban area of the megacity Beijing, China. Science China Chemistry, 2014, 57, 1032-1042.	4.2	53
117	Atmospheric black carbon and warming effects influenced by the source and absorption enhancement in central Europe. Atmospheric Chemistry and Physics, 2014, 14, 12683-12699.	1.9	31
118	Aircraft measurements of polar organic tracer compounds in tropospheric particles (PM₁₀) over central China. Atmospheric Chemistry and Physics, 2014, 14, 4185-4199.	1.9	32
119	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. Atmospheric Chemistry and Physics, 2014, 14, 5617-5638.	1.9	292
120	Assimilation of next generation geostationary aerosol optical depth retrievals to improve air quality simulations. Geophysical Research Letters, 2014, 41, 9188-9196.	1.5	85
121	Air quality in Delhi during the Commonwealth Games. Atmospheric Chemistry and Physics, 2014, 14, 10619-10630.	1.9	36
122	Tropospheric aerosol scattering and absorption over central Europe: a closure study for the dry particle state. Atmospheric Chemistry and Physics, 2014, 14, 6241-6259.	1.9	29
123	HONO Emissions from Soil Bacteria as a Major Source of Atmospheric Reactive Nitrogen. Science, 2013, 341, 1233-1235.	6.0	276
124	An online monitoring system for atmospheric nitrous acid (HONO) based on stripping coil and ion chromatography. Journal of Environmental Sciences, 2013, 25, 895-907.	3.2	18
125	Increase of aerosol scattering by hygroscopic growth: Observation, modeling, and implications on visibility. Atmospheric Research, 2013, 132-133, 91-101.	1.8	88
126	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: Diurnal cycle, aging and parameterization. , 2013, , .		0

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127	Impacts of emission controls and perturbations on an intense convective precipitation event during the 2008 Beijing Olympic Games. , 2013, , .		1
128	Long-term measurements of aerosol and carbon monoxide at the ZOTTO tall tower to characterize polluted and pristine air in the Siberian taiga. Atmospheric Chemistry and Physics, 2013, 13, 12271-12298.	1.9	54
129	Characteristics of regional new particle formation in urban and regional background environments in the North China Plain. Atmospheric Chemistry and Physics, 2013, 13, 12495-12506.	1.9	108
130	Biomass burning contribution to Beijing aerosol. Atmospheric Chemistry and Physics, 2013, 13, 7765-7781.	1.9	343
131	The Exchange of Soil Nitrite and Atmospheric HONO: A Missing Process in the Nitrogen Cycle and Atmospheric Chemistry. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 93-99.	0.1	3
132	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization. Atmospheric Chemistry and Physics, 2012, 12, 4477-4491.	1.9	81
133	A new method to determine the mixing state of light absorbing carbonaceous using the measured aerosol optical properties and number size distributions. Atmospheric Chemistry and Physics, 2012, 12, 2381-2397.	1.9	88
134	Biogenic Potassium Salt Particles as Seeds for Secondary Organic Aerosol in the Amazon. Science, 2012, 337, 1075-1078.	6.0	188
135	Aerosol hygroscopicity and its impact on atmospheric visibility and radiative forcing in Guangzhou during the 2006 PRIDE-PRD campaign. Atmospheric Environment, 2012, 60, 59-67.	1.9	68
136	Sensitivity of predicted pollutant levels to urbanization in China. Atmospheric Environment, 2012, 60, 544-554.	1.9	50
137	Satelliteâ€based estimates of reduced CO and CO₂ emissions due to traffic restrictions during the 2008 Beijing Olympics. Geophysical Research Letters, 2012, 39, .	1.5	41
138	Multi-scale modeling study of the source contributions to near-surface ozone and sulfur oxides levels over California during the ARCTAS-CARB period. Atmospheric Chemistry and Physics, 2011, 11, 3173-3194.	1.9	22
139	Hygroscopic properties of atmospheric aerosol particles over the Eastern Mediterranean: implications for regional direct radiative forcing under clean and polluted conditions. Atmospheric Chemistry and Physics, 2011, 11, 4251-4271.	1.9	81
140	Aerosol optical properties in the North China Plain during HaChi campaign: an in-situ optical closure study. Atmospheric Chemistry and Physics, 2011, 11, 5959-5973.	1.9	147
141	Mass absorption efficiency of elemental carbon and water-soluble organic carbon in Beijing, China. Atmospheric Chemistry and Physics, 2011, 11, 11497-11510.	1.9	266
142	Soil Nitrite as a Source of Atmospheric HONO and OH Radicals. Science, 2011, 333, 1616-1618.	6.0	431
143	Space-based measurements of air quality during the World Expo 2010 in Shanghai. Environmental Research Letters, 2011, 6, 044004.	2.2	58
144	Cloud condensation nuclei in polluted air and biomass burning smoke near the mega-city Guangzhou, China â€“ Part 2: Size-resolved aerosol chemical composition, diurnal cycles, and externally mixed weakly CCN-active soot particles. Atmospheric Chemistry and Physics, 2011, 11, 2817-2836.	1.9	146

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145	Impacts of transported background ozone on California air quality during the ARCTAS-CARB period â€“ a multi-scale modeling study. Atmospheric Chemistry and Physics, 2010, 10, 6947-6968.	1.9	63
146	Dust storms come to Central and Southwestern China, too: implications from a major dust event in Chongqing. Atmospheric Chemistry and Physics, 2010, 10, 2615-2630.	1.9	59
147	Hygroscopicity distribution concept for measurement data analysis and modeling of aerosol particle mixing state with regard to hygroscopic growth and CCN activation. Atmospheric Chemistry and Physics, 2010, 10, 7489-7503.	1.9	116
148	Sulfur dioxide emissions in China and sulfur trends in East Asia since 2000. Atmospheric Chemistry and Physics, 2010, 10, 6311-6331.	1.9	516
149	Competition of coagulation sink and source rate: New particle formation in the Pearl River Delta of China. Atmospheric Environment, 2010, 44, 3278-3285.	1.9	36
150	Influence of soot mixing state on aerosol light absorption and single scattering albedo during air mass aging at a polluted regional site in northeastern China. Journal of Geophysical Research, 2009, 114, .	3.3	100
151	Rapid aerosol particle growth and increase of cloud condensation nucleus activity by secondary aerosol formation and condensation: A case study for regional air pollution in northeastern China. Journal of Geophysical Research, 2009, 114, .	3.3	186
152	Mixing state of nonvolatile aerosol particle fractions and comparison with light absorption in the polluted Beijing region. Journal of Geophysical Research, 2009, 114, .	3.3	43
153	Dust events in Beijing, China (2004â€“2006): comparison of ground-based measurements with columnar integrated observations. Atmospheric Chemistry and Physics, 2009, 9, 6915-6932.	1.9	40
154	Analysis on concentration and source rate of precursor vapors participating in particle formation and growth at xinken in the Pearl River Delta of China. Advances in Atmospheric Sciences, 2008, 25, 427-436.	1.9	15
155	Influences of relative humidity and particle chemical composition on aerosol scattering properties during the 2006 PRD campaign. Atmospheric Environment, 2008, 42, 1525-1536.	1.9	168
156	Aerosol number size distribution and new particle formation at a rural/coastal site in Pearl River Delta (PRD) of China. Atmospheric Environment, 2008, 42, 6275-6283.	1.9	115
157	Aerosol optical properties and related chemical apportionment at Xinken in Pearl River Delta of China. Atmospheric Environment, 2008, 42, 6351-6372.	1.9	177
158	Observation of nighttime nitrous acid (HONO) formation at a non-urban site during PRIDE-PRD2004 in China. Atmospheric Environment, 2008, 42, 6219-6232.	1.9	120
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