

Zifa Wang

List of Publications by Year in Descending Order

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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.

344
papers

11,410
citations

51
h-index

94
g-index

373
ext. papers

14,056
ext. citations

6.2
avg, IF

6.26
L-index

#	Paper	IF	Citations
344	Measurement report: Long-term changes in black carbon and aerosol optical properties from 2012 to 2020 in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 561-575	6.8	4
343	Unexpected Increases of Severe Haze Pollution During the Post COVID-19 Period: Effects of Emissions, Meteorology, and Secondary Production. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127,	4.4	1
342	Mass and number concentration distribution of marine aerosol in the Western Pacific and the influence of continental transport.. <i>Environmental Pollution</i> , 2022 , 298, 118827	9.3	1
341	Synergistic effect of reductions in multiple gaseous precursors on secondary inorganic aerosols in winter under a meteorology-based redistributed daily NH emission inventory within the Beijing-Tianjin-Hebei region, China.. <i>Science of the Total Environment</i> , 2022 , 821, 153383	10.2	1
340	An intercomparison of ozone taken from the Copernicus atmosphere monitoring service and the second Modern-Era retrospective analysis for research and applications over China during 2018 and 2019.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 514-525	6.4	0
339	Nitrate and secondary organic aerosol dominated particle light extinction in Beijing due to clean air action. <i>Atmospheric Environment</i> , 2022 , 269, 118833	5.3	2
338	The dynamic multi-box algorithm of atmospheric environmental capacity. <i>Science of the Total Environment</i> , 2022 , 806, 150951	10.2	0
337	Increasing impacts of the relative contributions of regional transport on air pollution in Beijing: Observational evidence. <i>Environmental Pollution</i> , 2022 , 292, 118407	9.3	2
336	Impact of sub-grid particle formation in sulfur-rich plumes on particle mass and number concentrations over China. <i>Atmospheric Environment</i> , 2022 , 268, 118711	5.3	
335	Cross-boundary transport and source apportionment for PM in a typical industrial city in the Hebei Province, China: A modeling study.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 465-473	6.4	0
334	Reductions in crop yields across China from elevated ozone. <i>Environmental Pollution</i> , 2022 , 292, 118218	9.3	1
333	Insights into vertical differences of particle number size distributions in winter in Beijing, China. <i>Science of the Total Environment</i> , 2022 , 802, 149695	10.2	2
332	Brown carbon from biomass burning imposes strong circum-Arctic warming. <i>One Earth</i> , 2022 , 5, 293-304	8.1	1
331	Increase in daytime ozone exposure due to nighttime accumulation in a typical city in eastern China during 2014-2020. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101387	4.5	0
330	Transport Patterns and Potential Sources of Atmospheric Pollution during the XXIV Olympic Winter Games Period.. <i>Advances in Atmospheric Sciences</i> , 2022 , 1-15	2.9	0
329	Quantitative attribution of wintertime haze in coastal east China to local emission and regional intrusion under a stagnant internal boundary layer. <i>Atmospheric Environment</i> , 2022 , 276, 119006	5.3	0
328	An integrated air quality modeling system coupling regional-urban and street models in Beijing. <i>Urban Climate</i> , 2022 , 43, 101143	6.8	

327	Investigating the climatology of North China's urban inland lake based on six years of observations.. <i>Science of the Total Environment</i> , 2022 , 154120	10.2	0
326	Submicron-scale aerosol above the city canopy in Beijing in spring based on in-situ meteorological tower measurements. <i>Atmospheric Research</i> , 2022 , 271, 106128	5.4	0
325	An aerosol vertical data assimilation system (NAQPMS-PDAF v1.0): development and application. <i>Geoscientific Model Development</i> , 2022 , 15, 3555-3585	6.3	1
324	Long-Term (2017-2020) Aerosol Optical Depth Observations in Hohhot City in Mongolian Plateau and the Impacts from Different Types of Aerosol. <i>Atmosphere</i> , 2022 , 13, 737	2.7	0
323	Meteorological and chemical causes of heavy pollution in winter in Hohhot, Inner Mongolia Plateau. <i>Atmospheric Research</i> , 2022 , 106243	5.4	0
322	Machine learning elucidates the impact of short-term emission changes on air pollution in Beijing. <i>Atmospheric Environment</i> , 2022 , 283, 119192	5.3	0
321	Dwindling aromatic compounds in fine aerosols from chunk coal to honeycomb briquette combustion. <i>Science of the Total Environment</i> , 2022 , 838, 155971	10.2	
320	Measurement report: Optical properties and sources of water-soluble brown carbon in Tianjin, North China Insights from organic molecular compositions. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 6449-6470	6.8	0
319	High-resolution modeling of the distribution of surface air pollutants and their intercontinental transport by a global tropospheric atmospheric chemistry source-receptor model (GNAQPMS-SM). <i>Geoscientific Model Development</i> , 2021 , 14, 7573-7604	6.3	1
318	Assessment of the pollution levels of potential toxic elements in urban vegetable gardens in southwest China. <i>Scientific Reports</i> , 2021 , 11, 22824	4.9	1
317	How do aerosols above the residual layer affect the planetary boundary layer height?. <i>Science of the Total Environment</i> , 2021 , 814, 151953	10.2	3
316	Latitudinal difference in the molecular distributions of lipid compounds in the forest atmosphere in China. <i>Environmental Pollution</i> , 2021 , 294, 118578	9.3	0
315	Mixing state of refractory black carbon in fog and haze at rural sites in winter on the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 17631-17648	6.8	1
314	Effects of the sea-land breeze on coastal ozone pollution in the Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2021 , 807, 150306	10.2	3
313	Vertical Distributions of Primary and Secondary Aerosols in Urban Boundary Layer: Insights into Sources, Chemistry, and Interaction with Meteorology. <i>Environmental Science & Technology</i> , 2021 , 55, 4542-4552	10.3	5
312	Temporally resolved sectoral and regional contributions to air pollution in Beijing: informing short-term emission controls. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 4471-4485	6.8	4
311	Measurement report: Diurnal and temporal variations of sugar compounds in suburban aerosols from the northern vicinity of Beijing, China: An influence of biogenic and anthropogenic sources. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 4959-4978	6.8	2
310	Numerical study of COVID-19 spatial-temporal spreading in London. <i>Physics of Fluids</i> , 2021 , 33, 046605	4.4	9

309	Organic aerosol volatility and viscosity in the North China Plain: contrast between summer and winter. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5463-5476	6.8	7
308	Evaluation and Bias Correction of the Secondary Inorganic Aerosol Modeling over North China Plain in Autumn and Winter. <i>Atmosphere</i> , 2021 , 12, 578	2.7	0
307	Real-time characterization of aerosol particle composition, sources and influences of increased ventilation and humidity in an office. <i>Indoor Air</i> , 2021 , 31, 1364-1376	5.4	5
306	A comprehensive evaluation of planetary boundary layer height retrieval techniques using lidar data under different pollution scenarios. <i>Atmospheric Research</i> , 2021 , 253, 105483	5.4	3
305	Light absorption of black carbon and brown carbon in winter in North China Plain: comparisons between urban and rural sites. <i>Science of the Total Environment</i> , 2021 , 770, 144821	10.2	10
304	Inter-annual variations of wet deposition in Beijing from 2014-2017: implications of below-cloud scavenging of inorganic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9441-9454	6.8	4
303	Global-Regional nested simulation of particle number concentration by combing microphysical processes with an evolving organic aerosol module. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9343-9366	6.8	5
302	Insights into seasonal variation of wet deposition over southeast Asia via precipitation adjustment from the findings of MICS-Asia III. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8709-8734	6.8	1
301	Investigating the importance of sub-grid particle formation in point source plumes over eastern China using IAP-AACM v1.0 with a sub-grid parameterization. <i>Geoscientific Model Development</i> , 2021 , 14, 4411-4428	6.3	1
300	Air pollution could drive global dissemination of antibiotic resistance genes. <i>ISME Journal</i> , 2021 , 15, 270-281	12.9	28
299	Impacts of COVID-19 lockdown, Spring Festival and meteorology on the NO variations in early 2020 over China based on in-situ observations, satellite retrievals and model simulations. <i>Atmospheric Environment</i> , 2021 , 244, 117972	5.3	24
298	Long-term characterization of aerosol chemistry in cold season from 2013 to 2020 in Beijing, China. <i>Environmental Pollution</i> , 2021 , 268, 115952	9.3	15
297	Quantification of different processes in the rapid formation of a regional haze episode in north China using an integrated analysis tool coupling source apportionment with process analysis. <i>Atmospheric Pollution Research</i> , 2021 , 12, 159-172	4.5	2
296	Chemical formation and source apportionment of PM at an urban site at the southern foot of the Taihang mountains. <i>Journal of Environmental Sciences</i> , 2021 , 103, 20-32	6.4	4
295	Source apportionment of PM _{2.5} in the most polluted Central Plains Economic Region in China: Implications for joint prevention and control of atmospheric pollution. <i>Journal of Cleaner Production</i> , 2021 , 283, 124557	10.3	5
294	Molecular characterization of size-segregated organic aerosols in the urban boundary layer in wintertime Beijing by FT-ICR MS. <i>Faraday Discussions</i> , 2021 , 226, 457-478	3.6	4
293	Using a coupled LES aerosol-radiation model to investigate the importance of aerosol-boundary layer feedback in a Beijing haze episode. <i>Faraday Discussions</i> , 2021 , 226, 173-190	3.6	2
292	Establishment and Operational Application of China National Air Quality Forecast and Early Warning Device 2021 , 359-378		1

291	A 3D study on the amplification of regional haze and particle growth by local emissions. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	13
290	High Molecular Diversity of Organic Nitrogen in Urban Snow in North China. <i>Environmental Science & Technology</i> , 2021 , 55, 4344-4356	10.3	6
289	Land-sea breeze circulation structure on the west coast of the Yellow Sea, China. <i>Atmospheric and Oceanic Science Letters</i> , 2021 , 14, 100003	1.4	3
288	Size-resolved characterization of organic aerosol in the North China Plain: new insights from high resolution spectral analysis. <i>Environmental Science Atmospheres</i> , 2021 , 1, 346-358		3
287	A 6-year-long (2013-2018) high-resolution air quality reanalysis dataset in China based on the assimilation of surface observations from CNEMC. <i>Earth System Science Data</i> , 2021 , 13, 529-570	10.5	29
286	Impact of water vapor content on visibility: Fog-haze conversion and its implications to pollution control. <i>Atmospheric Research</i> , 2021 , 256, 105565	5.4	2
285	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11453-11465	6.8	5
284	Characteristics of regional transport during two-year wintertime haze episodes in North China megacities. <i>Atmospheric Research</i> , 2021 , 257, 105582	5.4	4
283	Measurement report: Vertical distribution of biogenic and anthropogenic secondary organic aerosols in the urban boundary layer over Beijing during late summer. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12949-12963	6.8	1
282	Mixing characteristics of black carbon aerosols in a coastal city using the CPMA-SP2 system. <i>Atmospheric Research</i> , 2021 , 105867	5.4	1
281	A Comparison of the Different Stages of Dust Events over Beijing in March 2021: The Effects of the Vertical Structure on Near-Surface Particle Concentration. <i>Remote Sensing</i> , 2021 , 13, 3580	5	1
280	Nonlinear response of SIA to emission changes and chemical processes over eastern and central China during a heavy haze month. <i>Science of the Total Environment</i> , 2021 , 788, 147747	10.2	3
279	Performance evaluation of photographic measurement in the machine-learning prediction of ground PM _{2.5} concentration. <i>Atmospheric Environment</i> , 2021 , 262, 118623	5.3	0
278	Sources of PM and its responses to emission reduction strategies in the Central Plains Economic Region in China: Implications for the impacts of COVID-19. <i>Environmental Pollution</i> , 2021 , 288, 117783	9.3	6
277	Molecular characterization and spatial distribution of dicarboxylic acids and related compounds in fresh snow in China. <i>Environmental Pollution</i> , 2021 , 291, 118114	9.3	1
276	Characteristics of the source apportionment of primary and secondary inorganic PM in the Pearl River Delta region during 2015 by numerical modeling. <i>Environmental Pollution</i> , 2020 , 267, 115418	9.3	9
275	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. <i>Science of the Total Environment</i> , 2020 , 739, 139791	10.2	3
274	Mixing characteristics of refractory black carbon aerosols at an urban site in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5771-5785	6.8	14

273	Investigating the impacts of coal-fired power plants on ambient PM by a combination of a chemical transport model and receptor model. <i>Science of the Total Environment</i> , 2020 , 727, 138407	10.2	9
272	High-spatiotemporal-resolution inverse estimation of CO and NO _x emission reductions during emission control periods with a modified ensemble Kalman filter. <i>Atmospheric Environment</i> , 2020 , 236, 117631	5.3	4
271	Evaluation of NU-WRF model performance on air quality simulation under various model resolutions [an investigation within the framework of MICS-Asia Phase III]. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2319-2339	6.8	8
270	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) [Part II]: aerosol radiative effects and aerosol feedbacks. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1147-1161	6.8	7
269	China's emission control strategies have suppressed unfavorable influences of climate on wintertime PM _{2.5} concentrations in Beijing since 2002. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1497-1505	6.8	28
268	Source forensics of n-alkanes and n-fatty acids in urban aerosols using compound specific radiocarbon/stable carbon isotopic composition. <i>Environmental Research Letters</i> , 2020 , 15, 074007	6.2	3
267	Acute and chronic health impacts of PM _{2.5} in China and the influence of interannual meteorological variability. <i>Atmospheric Environment</i> , 2020 , 229, 117397	5.3	9
266	Large contributions of biogenic and anthropogenic sources to fine organic aerosols in Tianjin, North China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 117-137	6.8	19
265	Molecular characterization of firework-related urban aerosols using Fourier transform ion cyclotron resonance mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6803-6820	6.8	9
264	Why do models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7393-7410	6.8	13
263	Mass spectral characterization of primary emissions and implications in source apportionment of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 3205-3219	4	12
262	Molecular and spatial distributions of dicarboxylic acids, oxocarboxylic acids, and α,β-unsaturated dicarbonyls in marine aerosols from the South China Sea to the eastern Indian Ocean. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6841-6860	6.8	9
261	Affinity zone identification approach for joint control of PM pollution over China. <i>Environmental Pollution</i> , 2020 , 265, 115086	9.3	6
260	Contrasting mixing state of black carbon-containing particles in summer and winter in Beijing. <i>Environmental Pollution</i> , 2020 , 263, 114455	9.3	10
259	A chemical cocktail during the COVID-19 outbreak in Beijing, China: Insights from six-year aerosol particle composition measurements during the Chinese New Year holiday. <i>Science of the Total Environment</i> , 2020 , 742, 140739	10.2	91
258	Identify the contribution of elevated industrial plume to ground air quality by optical and machine learning methods. <i>Environmental Research Communications</i> , 2020 , 2, 021005	3.1	4
257	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032200	4.4	12
256	Fine particle characterization in a coastal city in China: composition, sources, and impacts of industrial emissions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2877-2890	6.8	17

255	Molecular markers of biomass burning and primary biological aerosols in urban Beijing: size distribution and seasonal variation. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3623-3644	6.8	12
254	Chemical Characteristics and Potential Sources of PM _{2.5} in Shahe City during Severe Haze Pollution Episodes in the Winter. <i>Aerosol and Air Quality Research</i> , 2020 , 20, 2741-2753	4.6	4
253	Vertical distribution of particle-phase dicarboxylic acids, oxoacids and <i></i>-dicarbonyls in the urban boundary layer based on the 325 m tower in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10331-10350	6.8	5
252	Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10587-10610	6.8	9
251	Discrepancies between MICS-Asia III simulation and observation for surface ozone in the marine atmosphere over the northwestern Pacific Asian Rim region. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15003-15014	6.8	3
250	MICS-Asia III: Multi-model comparison of reactive Nitrogen deposition over China 2020 ,		2
249	Molecular composition and sources of water-soluble organic aerosol in summer in Beijing. <i>Chemosphere</i> , 2020 , 255, 126850	8.4	5
248	Retrieval of surface PM _{2.5} mass concentrations over North China using visibility measurements and GEOS-Chem simulations. <i>Atmospheric Environment</i> , 2020 , 222, 117121	5.3	4
247	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer. <i>Science of the Total Environment</i> , 2020 , 703, 134475	10.2	7
246	Modeling Ozone Source Apportionment and Performing Sensitivity Analysis in Summer on the North China Plain. <i>Atmosphere</i> , 2020 , 11, 992	2.7	5
245	Health impacts of long-term ozone exposure in China over 2013-2017. <i>Environment International</i> , 2020 , 144, 106030	12.9	29
244	Effects of Regional Transport on Haze in the North China Plain: Transport of Precursors or Secondary Inorganic Aerosols. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087461	4.9	9
243	Description and Climate Simulation Performance of CAS-ESM Version 2. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2020MS002210	7.1	21
242	Size-resolved mixing state and optical properties of black carbon at an urban site in Beijing. <i>Science of the Total Environment</i> , 2020 , 749, 141523	10.2	6
241	Improving PM Forecasts in China Using an Initial Error Transport Model. <i>Environmental Science & Technology</i> , 2020 , 54, 10493-10501	10.3	2
240	Transport Patterns, Size Distributions, and Depolarization Characteristics of Dust Particles in East Asia in Spring 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031752	4.4	6
239	Deep Learning for Air Quality Forecasts: a Review. <i>Current Pollution Reports</i> , 2020 , 6, 399-409	7.6	12
238	Spatio-Temporal Variations of Atmospheric NH ₃ over East Asia by Comparison of Chemical Transport Model Results, Satellite Retrievals and Surface Observations. <i>Atmosphere</i> , 2020 , 11, 900	2.7	3

237	Quantitative Determination of Hydroxymethanesulfonate (HMS) Using Ion Chromatography and UHPLC-LTQ-Orbitrap Mass Spectrometry: A Missing Source of Sulfur during Haze Episodes in Beijing. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 701-707	11	10
236	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ ; modeling over China under the framework of MICS-Asia III. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 181-202	6.8	24
235	Development of a coupled aerosol lidar data quality assurance and control scheme with Monte Carlo analysis and bilateral filtering. <i>Science of the Total Environment</i> , 2020 , 728, 138844	10.2	1
234	MICS-Asia III: overview of model intercomparison and evaluation of acid deposition over Asia. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2667-2693	6.8	30
233	Why models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III 2019 ,		3
232	Model evaluation and inter-comparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia phase III Part I: overview 2019 ,		3
231	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ ; modeling over China under the framework of MICS-Asia III 2019 ,		1
230	MICS-Asia III: Multi-model comparison and evaluation of aerosol over East Asia 2019 ,		1
229	Mixing characteristics of refractory black carbon aerosols determined by a tandem CPMA-SP2 system at an urban site in Beijing 2019 ,		2
228	China's Clean Air Action has suppressed unfavorable influences of climate on wintertime PM _{2.5} concentrations in Beijing since 2002 2019 ,		2
227	MICS-Asia III: Overview of model inter-comparison and evaluation of acid deposition over Asia 2019 ,		1
226	Water-soluble low molecular weight organics in cloud water at Mt. Tai Mo Shan, Hong Kong. <i>Science of the Total Environment</i> , 2019 , 697, 134095	10.2	3
225	Response of aerosol chemistry to clean air action in Beijing, China: Insights from two-year ACSM measurements and model simulations. <i>Environmental Pollution</i> , 2019 , 255, 113345	9.3	46
224	Improved Inversion of Monthly Ammonia Emissions in China Based on the Chinese Ammonia Monitoring Network and Ensemble Kalman Filter. <i>Environmental Science & Technology</i> , 2019 , 53, 12529-12538	10.3	37
223	Summertime aerosol volatility measurements in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10205-10216	6.8	20
222	Synergistic effect of water-soluble species and relative humidity on morphological changes in aerosol particles in the Beijing megacity during severe pollution episodes. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 219-232	6.8	15
221	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 165-179	6.8	52
220	Temporal characteristics and vertical distribution of atmospheric ammonia and ammonium in winter in Beijing. <i>Science of the Total Environment</i> , 2019 , 681, 226-234	10.2	21

219	Size Distribution and Depolarization Properties of Aerosol Particles over the Northwest Pacific and Arctic Ocean from Shipborne Measurements during an R/V Cruise. <i>Environmental Science & Technology</i> , 2019 , 53, 7984-7995	10.3	5
218	Excitation-emission matrix fluorescence, molecular characterization and compound-specific stable carbon isotopic composition of dissolved organic matter in cloud water over Mt. Tai. <i>Atmospheric Environment</i> , 2019 , 213, 608-619	5.3	16
217	Light absorption enhancement of black carbon in urban Beijing in summer. <i>Atmospheric Environment</i> , 2019 , 213, 499-504	5.3	25
216	Aerosol Ammonium in the Urban Boundary Layer in Beijing: Insights from Nitrogen Isotope Ratios and Simulations in Summer 2015. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 389-395	11	22
215	Compound-Specific Stable Carbon Isotope Ratios of Terrestrial Biomarkers in Urban Aerosols from Beijing, China. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 1896-1904	3.2	3
214	MP CBM-Z V1.0: design for a new Carbon Bond Mechanism Z (CBM-Z) gas-phase chemical mechanism architecture for next-generation processors. <i>Geoscientific Model Development</i> , 2019 , 12, 749-764	6.2	3
213	Investigating secondary organic aerosol formation pathways in China during 2014. <i>Atmospheric Environment</i> , 2019 , 213, 133-147	5.3	20
212	Abundance and Diurnal Trends of Fluorescent Bioaerosols in the Troposphere over Mt. Tai, China, in Spring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 4158-4173	4.4	16
211	Improving new particle formation simulation by coupling a volatility-basis set (VBS) organic aerosol module in NAQPMS+APM. <i>Atmospheric Environment</i> , 2019 , 204, 1-11	5.3	18
210	Comparison of surface ozone simulation among selected regional models in MICS-Asia III Effects of chemistry and vertical transport for the causes of difference. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 603-615	6.8	15
209	Modeling of aerosol property evolution during winter haze episodes over a megacity cluster in northern China: roles of regional transport and heterogeneous reactions of SO ₂ and NO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9351-9370	6.8	19
208	A Black Carbon-Tracer Method for Estimating Cooking Organic Aerosol From Aerosol Mass Spectrometer Measurements. <i>Geophysical Research Letters</i> , 2019 , 46, 8474-8483	4.9	11
207	Modeling study of ozone source apportionment over the Pearl River Delta in 2015. <i>Environmental Pollution</i> , 2019 , 253, 393-402	9.3	24
206	IAP-AACM v1.0: a global to regional evaluation of the atmospheric chemistry model in CAS-ESM. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8269-8296	6.8	8
205	Effectiveness of short-term air quality emission controls: a high-resolution model study of Beijing during the Asia-Pacific Economic Cooperation (APEC) summit period. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8651-8668	6.8	19
204	Role of Ammonia on the Feedback Between AWC and Inorganic Aerosol Formation During Heavy Pollution in the North China Plain. <i>Earth and Space Science</i> , 2019 , 6, 1675-1693	3.1	28
203	Organic Aerosol Processing During Winter Severe Haze Episodes in Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 10248-10263	4.4	31
202	Investigating the Transport Mechanism of PM _{2.5} Pollution during January 2014 in Wuhan, Central China. <i>Advances in Atmospheric Sciences</i> , 2019 , 36, 1217-1234	2.9	17

201	MICS-Asia III: multi-model comparison and evaluation of aerosol over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11911-11937	6.8	35
200	Drivers of improved PM air quality in China from 2013 to 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24463-24469	11.5	578
199	Model evaluation and intercomparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia Phase III [Part 1: Overview. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12993-13015	6.8	33
198	Dust Heterogeneous Reactions during Long-Range Transport of a Severe Dust Storm in May 2017 over East Asia. <i>Atmosphere</i> , 2019 , 10, 680	2.7	8
197	Effective densities of soot particles and their relationships with the mixing state at an urban site in the Beijing megacity in the winter of 2018. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14791-14804	6.8	5
196	Multi-method determination of the below-cloud wet scavenging coefficients of aerosols in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15569-15581	6.8	12
195	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From High-Resolution Aerosol Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 1132-1147	4.4	109
194	Vertical Characterization and Source Apportionment of Water-Soluble Organic Aerosol with High-resolution Aerosol Mass Spectrometry in Beijing, China. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 273-284	3.2	18
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