A J Ding

List of Publications by Year in Descending Order

220 papers	11,029 citations	57 h-index	100 g-index
301 ext. papers	13,893 ext. citations	7 avg, IF	6.24 L-index

#	Paper	IF	Citations
220	Large Daytime Molecular Chlorine Missing Source at a Suburban Site in East China. *Journal of Geophysical Research D: Atmospheres*, **2022**, 127,	4.4	1
219	Typhoon-boosted biogenic emission aggravates cross-regional ozone pollution in China.. *Science Advances*, **2022**, 8, eabl6166	14.3	4
218	Characterization of particulate organic nitrates in the Yangtze River Delta, East China, using the time-of-flight aerosol chemical speciation monitor. *Atmospheric Environment*, **2022**, 272, 118927	5.3	0
217	Air quality and health co-benefits of China's carbon dioxide emissions peaking before 2030.. *Nature Communications*, **2022**, 13, 1008	17.4	5
216	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China Pan-Eurasian Experiment (PEEX) programme perspective. *Atmospheric Chemistry and Physics*, **2022**, 22, 4413-4469	6.8	1
215	The health impacts of aerosol-planetary boundary layer interactions on respiratory and circulatory mortality. *Atmospheric Environment*, **2022**, 276, 119050	5.3	1
214	The striking effect of vertical mixing in the planetary boundary layer on new particle formation in the Yangtze River Delta.. *Science of the Total Environment*, **2022**, 829, 154607	10.2	3
213	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China.. *Environmental Science & Technology*, **2021**,	10.3	8
212	Aerosol-boundary-layer-monsoon interactions amplify semi-direct effect of biomass smoke on low cloud formation in Southeast Asia. *Nature Communications*, **2021**, 12, 6416	17.4	7
211	Formation of condensable organic vapors from anthropogenic and biogenic volatile organic compounds (VOCs) is strongly perturbed by NO_{<i>x</i>} in eastern China. *Atmospheric Chemistry and Physics*, **2021**, 21, 14789-14814	6.8	3
210	Black Carbon Emission Reduction Due to COVID-19 Lockdown in China. *Geophysical Research Letters* , **2021**, 48, e2021GL093243	4.9	9
209	Air Quality During COVID-19 Lockdown in the Yangtze River Delta and the Pearl River Delta: Two Different Responsive Mechanisms to Emission Reductions in China. *Environmental Science & Technology*, **2021**, 55, 5721-5730	10.3	13
208	Opinion: Gigacity a source of problems or the new way to sustainable development. *Atmospheric Chemistry and Physics*, **2021**, 21, 8313-8322	6.8	5
207	Mobile monitoring of urban air quality at high spatial resolution by low-cost sensors: impacts of COVID-19 pandemic lockdown. *Atmospheric Chemistry and Physics*, **2021**, 21, 7199-7215	6.8	8
206	Toward Building a Physical Proxy for Gas-Phase Sulfuric Acid Concentration Based on Its Budget Analysis in Polluted Yangtze River Delta, East China. *Environmental Science & Technology*, **2021**, 55, 6665-6676	10.3	5
205	Cluster Analysis of Submicron Particle Number Size Distributions at the SORPES Station in the Yangtze River Delta of East China. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD034004	4.4	2
204	Global air quality change during the COVID-19 pandemic: Regionally different ozone pollution responses COVID-19: ????????????:??????????. *Atmospheric and Oceanic Science Letters*, **2021**, 14, 100015	1.4	7

203	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China. *National Science Review*, **2021**, 8, nwaa137	10.8	247
202	ENSO and Southeast Asian biomass burning modulate subtropical trans-Pacific ozone transport. *National Science Review*, **2021**, 8, nwaa132	10.8	10
201	Vertical distribution and transport of air pollutants during a regional haze event in eastern China: A tethered mega-balloon observation study. *Atmospheric Environment*, **2021**, 246, 118039	5.3	6
200	Understanding ozone pollution in the Yangtze River Delta of eastern China from the perspective of diurnal cycles. *Science of the Total Environment*, **2021**, 752, 141928	10.2	17
199	Is reducing new particle formation a plausible solution to mitigate particulate air pollution in Beijing and other Chinese megacities?. *Faraday Discussions*, **2021**, 226, 334-347	3.6	32
198	Multifunctional Products of Isoprene Oxidation in Polluted Atmosphere and Their Contribution to SOA. *Geophysical Research Letters*, **2021**, 48, e2020GL089276	4.9	8
197	The effect of urban morphological characteristics on the spatial variation of PM air quality in downtown Nanjing.. *Environmental Science Atmospheres*, **2021**, 1, 481-497		1
196	Impact of data assimilation and aerosol radiation interaction on Lagrangian particle dispersion modelling. *Atmospheric Environment*, **2021**, 247, 118179	5.3	2
195	Weakened Aerosol-PBL Interaction During COVID-19 Lockdown in Northern China. *Geophysical Research Letters*, **2021**, 48, e2020GL090542	4.9	11
194	Role of iodine oxoacids in atmospheric aerosol nucleation. *Science*, **2021**, 371, 589-595	33.3	31
193	Large-eddy simulation of traffic-related air pollution at a very high resolution in a mega-city: evaluation against mobile sensors and insights for influencing factors. *Atmospheric Chemistry and Physics*, **2021**, 21, 2917-2929	6.8	4
192	Insight into ozone profile climatology over northeast China from aircraft measurement and numerical simulation. *Science of the Total Environment*, **2021**, 785, 147308	10.2	2
191	Aerosol as a critical factor causing forecast biases of air temperature in global numerical weather prediction models. *Science Bulletin*, **2021**, 66, 1917-1924	10.6	6
190	Change of extreme snow events shaped the roof of traditional Chinese architecture in the past millennium. *Science Advances*, **2021**, 7, eabh2601	14.3	1
189	Nonlinear response of nitrate to NO reduction in China during the COVID-19 pandemic. *Atmospheric Environment*, **2021**, 264, 118715	5.3	6
188	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
187	Diverse mixing states of amine-containing single particles in Nanjing, China. *Atmospheric Chemistry and Physics*, **2021**, 21, 17953-17967	6.8	2
186	Size-dependent influence of NO on the growth rates of organic aerosol particles. *Science Advances*, **2020**, 6, eaay4945	14.3	28

185	Significant production of ClNO₂ and possible source of Cl₂ from N₂O₅ uptake at a suburban site in eastern China. *Atmospheric Chemistry and Physics*, **2020**, 20, 6147-6158	6.8	8
184	Biomass-burning-induced surface darkening and its impact on regional meteorology in eastern China. *Atmospheric Chemistry and Physics*, **2020**, 20, 6177-6191	6.8	3
183	Seasonal Characteristics of New Particle Formation and Growth in Urban Beijing. *Environmental Science & Technology*, **2020**, 54, 8547-8557	10.3	35
182	Impact of air transport and secondary formation on haze pollution in the Yangtze River Delta: In situ online observations in Shanghai and Nanjing. *Atmospheric Environment*, **2020**, 225, 117350	5.3	18
181	Photoinduced Production of Chlorine Molecules from Titanium Dioxide Surfaces Containing Chloride. *Environmental Science and Technology Letters*, **2020**, 7, 70-75	11	8
180	Secondary aerosol formation and its linkage with synoptic conditions during winter haze pollution over eastern China. *Science of the Total Environment*, **2020**, 730, 138888	10.2	14
179	The Climatology of Lower Tropospheric Temperature Inversions in China from Radiosonde Measurements: Roles of Black Carbon, Local Meteorology, and Large-Scale Subsidence. *Journal of Climate*, **2020**, 33, 9327-9350	4.4	23
178	A Comparison Study of Indoor and Outdoor Air Quality in Nanjing, China. *Aerosol and Air Quality Research*, **2020**, 20, 2128-2141	4.6	2
177	Sources of nitrous acid (HONO) in the upper boundary layer and lower free troposphere of the North China Plain: insights from the Mount Tai Observatory. *Atmospheric Chemistry and Physics*, **2020**, 20, 12115-12131	6.8	14
176	Robust observational constraint of uncertain aerosol processes and emissions in a climate model and the effect on aerosol radiative forcing. *Atmospheric Chemistry and Physics*, **2020**, 20, 9491-9524	6.8	9
175	Amplified transboundary transport of haze by aerosol–boundary layer interaction in China. *Nature Geoscience*, **2020**, 13, 428-434	18.3	87
174	Impacts of stratosphere-to-troposphere-transport on summertime surface ozone over eastern China. *Science Bulletin*, **2020**, 65, 276-279	10.6	4
173	Increased Aerosol Extinction Efficiency Hinders Visibility Improvement in Eastern China. *Geophysical Research Letters*, **2020**, 47, e2020GL090167	4.9	12
172	NO Emission Changes Over China During the COVID-19 Epidemic Inferred From Surface NO Observations. *Geophysical Research Letters*, **2020**, 47, e2020GL090080	4.9	31
171	Aerosol-Radiation Interactions of Dust Storm Deteriorate Particle and Ozone Pollution in East China. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033601	4.4	6
170	Chemical Boundary Layer and Its Impact on Air Pollution in Northern China. *Environmental Science and Technology Letters*, **2020**, 7, 826-832	11	6
169	MAX-DOAS measurements of tropospheric NO₂ and HCHO in Nanjing and the comparison to OMI observations **2019**,		1
168	MAX-DOAS measurements of tropospheric NO₂ and HCHO in Nanjing and a comparison to ozone monitoring instrument observations. *Atmospheric Chemistry and Physics*, **2019**, 19, 10051-10071	6.8	38

167	Significant reduction of PM_{2.5} in eastern China due to regional-scale emission control: evidence from SORPES in 2011–2018. *Atmospheric Chemistry and Physics*, **2019**, 19, 11791-11801	6.8	78
166	Impacts of black carbon on the formation of advection–radiation fog during a haze pollution episode in eastern China. *Atmospheric Chemistry and Physics*, **2019**, 19, 7759-7774	6.8	10
165	Ultrafine particles and PM in the air of cities around the world: Are they representative of each other?. *Environment International*, **2019**, 129, 118-135	12.9	57
164	Aggravating O pollution due to NO emission control in eastern China. *Science of the Total Environment*, **2019**, 677, 732-744	10.2	116
163	Optimization of vertical grid setting for air quality modelling in China considering the effect of aerosol-boundary layer interaction. *Atmospheric Environment*, **2019**, 210, 1-13	5.3	15
162	Direct measurement of new particle formation based on tethered airship around the top of the planetary boundary layer in eastern China. *Atmospheric Environment*, **2019**, 209, 92-101	5.3	17
161	Understanding of Aerosol–Climate Interactions in China: Aerosol Impacts on Solar Radiation, Temperature, Cloud, and Precipitation and Its Changes Under Future Climate and Emission Scenarios. *Current Pollution Reports*, **2019**, 5, 36-51	7.6	20
160	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7760-7765	11.5	172
159	Large Uncertainties in Estimation of Tropical Tropopause Temperature Variabilities Due to Model Vertical Resolution. *Geophysical Research Letters*, **2019**, 46, 10043-10052	4.9	6
158	Estimating cloud condensation nuclei number concentrations using aerosol optical properties: role of particle number size distribution and parameterization. *Atmospheric Chemistry and Physics*, **2019**, 19, 15483-15502	6.8	4
157	Evaluating the measurement interference of wet rotating-denuder–ion chromatography in measuring atmospheric HONO in a highly polluted area. *Atmospheric Measurement Techniques*, **2019**, 12, 6737-6748	4	3
156	Drivers of improved PM air quality in China from 2013 to 2017. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 24463-24469	11.5	578
155	Semi-quantitative understanding of source contribution to nitrous acid (HONO) based on 1 year of continuous observation at the SORPES station in eastern China. *Atmospheric Chemistry and Physics*, **2019**, 19, 13289-13308	6.8	29
154	Profile of inhalable bacteria in PM at Mt. Tai, China: Abundance, community, and influence of air mass trajectories. *Ecotoxicology and Environmental Safety*, **2019**, 168, 110-119	7	23
153	Solar impacts on decadal variability of tropopause temperature and lower stratospheric (LS) water vapour: a mechanism through ocean–atmosphere coupling. *Climate Dynamics*, **2019**, 52, 5585-5604	4.2	8
152	Ozone from fireworks: Chemical processes or measurement interference?. *Science of the Total Environment*, **2018**, 633, 1007-1011	10.2	10
151	Dome effect of black carbon and its key influencing factors: a one-dimensional modelling study. *Atmospheric Chemistry and Physics*, **2018**, 18, 2821-2834	6.8	80
150	Characteristics of intercontinental transport of tropospheric ozone from Africa to Asia. *Atmospheric Chemistry and Physics*, **2018**, 18, 4251-4276	6.8	11

149	Temperature effect on phase state and reactivity controls atmospheric multiphase chemistry and transport of PAHs. *Science Advances*, **2018**, 4, eaap7314	14.3	62
148	Impact of Aerosol-PBL Interaction on Haze Pollution: Multiyear Observational Evidences in North China. *Geophysical Research Letters*, **2018**, 45, 8596-8603	4.9	108
147	SURF: Understanding and Predicting Urban Convection and Haze. *Bulletin of the American Meteorological Society*, **2018**, 99, 1391-1413	6.1	27
146	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. *Aerosol and Air Quality Research*, **2018**, 18, 1-14	4.6	10
145	Advancing global aerosol simulations with size-segregated anthropogenic particle number emissions. *Atmospheric Chemistry and Physics*, **2018**, 18, 10039-10054	6.8	9
144	Transport, mixing and feedback of dust, biomass burning and anthropogenic pollutants in eastern Asia: a case study. *Atmospheric Chemistry and Physics*, **2018**, 18, 16345-16361	6.8	26
143	Amplification of light absorption of black carbon associated with air pollution. *Atmospheric Chemistry and Physics*, **2018**, 18, 9879-9896	6.8	46
142	A Review on the Methods for Observing the Substance and Energy Exchange between Atmosphere Boundary Layer and Free Troposphere. *Atmosphere*, **2018**, 9, 460	2.7	2
141	Two years of online measurement of fine particulate nitrate in the western Yangtze River Delta: influences of thermodynamics and N₂O₅ hydrolysis. *Atmospheric Chemistry and Physics*, **2018**, 18, 17177-17190	6.8	31
140	The impact of multi-species surface chemical observation assimilation on air quality forecasts in China. *Atmospheric Chemistry and Physics*, **2018**, 18, 17387-17404	6.8	29
139	Impact of Biomass Burning and Vertical Mixing of Residual-Layer Aged Plumes on Ozone in the Yangtze River Delta, China: A Tethered-Balloon Measurement and Modeling Study of a Multiday Ozone Episode. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 11,786-11,803	4.4	17
138	Six sources mainly contributing to the haze episodes and health risk assessment of PM at Beijing suburb in winter 2016. *Ecotoxicology and Environmental Safety*, **2018**, 166, 146-156	7	39
137	Modelling studies of HOMs and their contributions to new particle formation and growth: comparison of boreal forest in Finland and a polluted environment in China. *Atmospheric Chemistry and Physics*, **2018**, 18, 11779-11791	6.8	18
136	Global analysis of continental boundary layer new particle formation based on long-term measurements. *Atmospheric Chemistry and Physics*, **2018**, 18, 14737-14756	6.8	73
135	Light absorption of brown carbon in eastern China based on 3-year multi-wavelength aerosol optical property observations and an improved absorption Ångström exponent segregation method. *Atmospheric Chemistry and Physics*, **2018**, 18, 9061-9074	6.8	41
134	Global analysis of continental boundary layer new particle formation based on long-term measurements **2018**,		2
133	Airborne Pollen Concentration in Nanjing, Eastern China, and its Relationship With Meteorological Factors. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 10,842-10,856	4.4	10
132	The changing ambient mixing ratios of long-lived halocarbons under Montreal Protocol in China. *Journal of Cleaner Production*, **2018**, 188, 774-785	10.3	17

131	Aerosol optical properties at SORPES in Nanjing, east China. *Atmospheric Chemistry and Physics*, **2018**, 18, 5265-5292	6.8	22
130	Particulate matter pollution over China and the effects of control policies. *Science of the Total Environment*, **2017**, 584-585, 426-447	10.2	193
129	Atmospheric gas-to-particle conversion: why NPF events are observed in megacities?. *Faraday Discussions*, **2017**, 200, 271-288	3.6	84
128	Evolution of trace elements in the planetary boundary layer in southern China: Effects of dust storms and aerosol-cloud interactions. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 3492-3506	4.4	14
127	Review on Studies of Air Pollution and Climate Change Interactions in Monsoon Asia. *World Scientific Series on Asia-Pacific Weather and Climate*, **2017**, 315-326		2
126	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. *Bulletin of the American Meteorological Society*, **2017**, 98, 1857-1877	6.1	43
125	Stage-specific, Nonlinear Surface Ozone Damage to Rice Production in China. *Scientific Reports*, **2017**, 7, 44224	4.9	20
124	Anthropogenic aerosol effects on East Asian winter monsoon: The role of black carbon-induced Tibetan Plateau warming. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 5883-5902	4.4	32
123	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. *Science of the Total Environment*, **2017**, 579, 1000-1034	10.2	551
122	Aerosol Optical Properties at SORPES in Nanjing, East China **2017**,		1
121	Influence of synoptic condition and holiday effects on VOCs and ozone production in the Yangtze River Delta region, China. *Atmospheric Environment*, **2017**, 168, 112-124	5.3	69
120	Observation-based estimation of aerosol-induced reduction of planetary boundary layer height. *Advances in Atmospheric Sciences*, **2017**, 34, 1057-1068	2.9	17
119	New particle formation in China: Current knowledge and further directions. *Science of the Total Environment*, **2017**, 577, 258-266	10.2	78
118	Aerosol and boundary-layer interactions and impact on air quality. *National Science Review*, **2017**, 4, 810-833	13.8	332
117	Measurements of sub-3 nm particles using a particle size magnifier in different environments: from clean mountain top to polluted megacities. *Atmospheric Chemistry and Physics*, **2017**, 17, 2163-2187	6.8	56
116	Quantifying the contribution of land use change to surface temperature in the lower reaches of the Yangtze River. *Atmospheric Chemistry and Physics*, **2017**, 17, 4989-4996	6.8	26
115	Volatility of mixed atmospheric humic-like substances and ammonium sulfate particles. *Atmospheric Chemistry and Physics*, **2017**, 17, 3659-3672	6.8	6
114	Fungi diversity in PM_{2. 5} and PM₁ at the summit of Mt. Tai: abundance, size distribution, and seasonal variation. *Atmospheric Chemistry and Physics*, **2017**, 17, 11247-11260	6.8	17

113	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. *Atmospheric Chemistry and Physics*, **2017**, 17, 11727-11777	6.8	85
112	Observations of aerosol optical properties at a coastal site in Hong Kong, South China. *Atmospheric Chemistry and Physics*, **2017**, 17, 2653-2671	6.8	13
111	Analysis of aerosol effects on warm clouds over the Yangtze River Delta from multi-sensor satellite observations. *Atmospheric Chemistry and Physics*, **2017**, 17, 5623-5641	6.8	29
110	Chemical composition and droplet size distribution of cloud at the summit of Mount Tai, China. *Atmospheric Chemistry and Physics*, **2017**, 17, 9885-9896	6.8	38
109	Tropospheric Ozone Assessment Report: Database and Metrics Data of Global Surface Ozone Observations. *Elementa*, **2017**, 5, 58	3.6	112
108	The Impacts of Emission Control and Regional Transport on PM2.5 Ions and Carbon Components in Nanjing during the 2014 Nanjing Youth Olympic Games. *Aerosol and Air Quality Research*, **2017**, 17, 730-740	4.6	11
107	Regional contribution to PM1 pollution during winter haze in Yangtze River Delta, China. *Science of the Total Environment*, **2016**, 541, 161-166	10.2	47
106	Impact of synoptic weather patterns and inter-decadal climate variability on air quality in the North China Plain during 1980–2013. *Atmospheric Environment*, **2016**, 124, 119-128	5.3	130
105	Comparison of land-atmosphere interaction at different surface types in the mid- to lower reaches of Yangzi River Valley **2016**,		1
104	Significant increase of summertime ozone at Mt. Tai in Central Eastern China: 2003–2015 **2016**,		2
103	Enhanced air pollution via aerosol-boundary layer feedback in China. *Scientific Reports*, **2016**, 6, 18998	4.9	215
102	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models. *Atmospheric Chemistry and Physics*, **2016**, 16, 2765-2783	6.8	52
101	Comparison of land–atmosphere interaction at different surface types in the mid- to lower reaches of the Yangtze River valley. *Atmospheric Chemistry and Physics*, **2016**, 16, 9875-9890	6.8	18
100	Significant increase of summertime ozone at Mount Tai in Central Eastern China. *Atmospheric Chemistry and Physics*, **2016**, 16, 10637-10650	6.8	132
99	Detection of atmospheric gaseous amines and amides by a high-resolution time-of-flight chemical ionization mass spectrometer with protonated ethanol reagent ions. *Atmospheric Chemistry and Physics*, **2016**, 16, 14527-14543	6.8	69
98	Effects of aerosol–radiation interaction on precipitation during biomass-burning season in East China. *Atmospheric Chemistry and Physics*, **2016**, 16, 10063-10082	6.8	80
97	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land–atmosphere–ocean–society continuum in the northern Eurasian region. *Atmospheric Chemistry and Physics*, **2016**, 16, 14421-14461	6.8	43
96	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. *Atmospheric Chemistry and Physics*, **2016**, 16, 2477-2492	6.8	35

95	On secondary new particle formation in China. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 1	5.8	39
94	Chemical composition of PM2.5 and meteorological impact among three years in urban Shanghai, China. *Journal of Cleaner Production*, **2016**, 112, 1302-1311	10.3	91
93	Dust-induced radiative feedbacks in north China: A dust storm episode modeling study using WRF-Chem. *Atmospheric Environment*, **2016**, 129, 43-54	5.3	49
92	The impacts of surface ozone pollution on winter wheat productivity in China--An econometric approach. *Environmental Pollution*, **2016**, 208, 326-35	9.3	22
91	Characterization of PM2.5 and the major chemical components during a 1-year campaign in rural Guangzhou, Southern China. *Atmospheric Research*, **2016**, 167, 208-215	5.4	95
90	A global view on atmospheric concentrations of sub-3 nm particles measured with the Particle Size Magnifier **2016**,		1
89	WRF-Chem Simulation of a Severe Haze Episode in the Yangtze River Delta, China. *Aerosol and Air Quality Research*, **2016**, 16, 1268-1283	4.6	16
88	Pan-Eurasian Experiment (PEEX): Towards holistic understanding of the feedbacks and interactions in the land–atmosphere–ocean–society continuum in the Northern Eurasian region **2016**,		2
87	Quantifying the contribution of land use change to surface temperature in the lower reaches of Yangtze River **2016**,		2
86	Enhanced haze pollution by black carbon in megacities in China. *Geophysical Research Letters*, **2016**, 43, 2873-2879	4.9	399
85	Molecular Markers of Secondary Organic Aerosol in Mumbai, India. *Environmental Science & Technology*, **2016**, 50, 4659-67	10.3	35
84	Long-term observation of air pollution-weather/climate interactions at the SORPES station: a review and outlook. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 1	5.8	48
83	Vertical sensitivity of satellite remote sensing of atmospheric carbon monoxide **2015**,		0
82	Enhanced sulfate formation by nitrogen dioxide: Implications from in situ observations at the SORPES station. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 12679-12694	4.4	109
81	Chemical composition, sources and evolution processes of aerosol at an urban site in Yangtze River Delta, China during wintertime. *Atmospheric Environment*, **2015**, 123, 339-349	5.3	50
80	Introduction: The Pan-Eurasian Experiment (PEEX) – multidisciplinary, multiscale and multicomponent research and capacity-building initiative. *Atmospheric Chemistry and Physics*, **2015**, 15, 13085-13096	6.8	35
79	Influence of biomass burning plumes on HONO chemistry in eastern China. *Atmospheric Chemistry and Physics*, **2015**, 15, 1147-1159	6.8	74
78	Aerosol size distribution and new particle formation in the western Yangtze River Delta of China: 2 years of measurements at the SORPES station. *Atmospheric Chemistry and Physics*, **2015**, 15, 12445-12464	6.8	77

77	Uplifting of carbon monoxide from biomass burning and anthropogenic sources to the free troposphere in East Asia. *Atmospheric Chemistry and Physics*, **2015**, 15, 2843-2866	6.8	34
76	The Influence of Sandstorms and Long-Range Transport on Polycyclic Aromatic Hydrocarbons (PAHs) in PM2.5 in the High-Altitude Atmosphere of Southern China. *Atmosphere*, **2015**, 6, 1633-1651	2.7	10
75	On the interpretation of the loading correction of the aethalometer. *Atmospheric Measurement Techniques*, **2015**, 8, 4415-4427	4	33
74	Fluorescent water-soluble organic aerosols in the High Arctic atmosphere. *Scientific Reports*, **2015**, 5, 9845	4.9	65
73	Ambient levels and temporal variations of PM2.5 and PM10 at a residential site in the mega-city, Nanjing, in the western Yangtze River Delta, China. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2014**, 49, 171-8	2.3	57
72	Comparison of carbonaceous particulate matter emission factors among different solid fuels burned in residential stoves. *Atmospheric Environment*, **2014**, 89, 337-345	5.3	70
71	A 14-year measurement of toxic elements in atmospheric particulates in Hong Kong from 1995 to 2008. *Frontiers of Environmental Science and Engineering*, **2014**, 8, 553-560	5.8	4
70	Chemical compositions and reconstructed light extinction coefficients of particulate matter in a mega-city in the western Yangtze River Delta, China. *Atmospheric Environment*, **2014**, 83, 14-20	5.3	68
69	Can Coronene and/or Benzo(a)pyrene/Coronene ratio act as unique markers for vehicle emission?. *Environmental Pollution*, **2014**, 184, 650-3	9.3	8
68	Polluted dust promotes new particle formation and growth. *Scientific Reports*, **2014**, 4, 6634	4.9	104
67	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. *Atmospheric Chemistry and Physics*, **2014**, 14, 13175-13188	6.8	212
66	Aerosols and nucleation in eastern China: first insights from the new SORPES-NJU station. *Atmospheric Chemistry and Physics*, **2014**, 14, 2169-2183	6.8	63
65	Sources and Dynamic Processes Controlling Background and Peak Concentrations of TGM in Nanjing, China. *Atmosphere*, **2014**, 5, 124-155	2.7	7
64	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
63	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. *Environmental Pollution*, **2014**, 195, 39-47	9.3	36
62	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. *Geography, Environment, Sustainability*, **2014**, 7, 13-48	1	14
61	Impact of synoptic weather patterns on spatio-temporal variation in surface O3 levels in Hong Kong during 1999–2011. *Atmospheric Environment*, **2013**, 73, 41-50	5.3	38
60	Ozone production in four major cities of China: sensitivity to ozone precursors and heterogeneous processes **2013**,		9

59	Impacts of the East Asian monsoon on lower tropospheric ozone over coastal South China. *Environmental Research Letters*, **2013**, 8, 044011	6.2	38
58	Intense atmospheric pollution modifies weather: a case of mixed biomass burning with fossil fuel combustion pollution in eastern China. *Atmospheric Chemistry and Physics*, **2013**, 13, 10545-10554	6.8	227
57	Ozone and fine particle in the western Yangtze River Delta: an overview of 1 yr data at the SORPES station. *Atmospheric Chemistry and Physics*, **2013**, 13, 5813-5830	6.8	260
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