

List of Publications by Citations

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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.

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	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
219	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. <i>Science of the Total Environment</i> , 2017 , 579, 1000-1034	10.2	551
218	Enhanced haze pollution by black carbon in megacities in China. <i>Geophysical Research Letters</i> , 2016 , 43, 2873-2879	4.9	399
217	Aerosol and boundary-layer interactions and impact on air quality. <i>National Science Review</i> , 2017 , 4, 810-833	8.3	332
216	Increasing surface ozone concentrations in the background atmosphere of Southern China, 1994-2007. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 6217-6227	6.8	307
215	Air quality during the 2008 Beijing Olympics: secondary pollutants and regional impact. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7603-7615	6.8	293
214	Ozone and fine particle in the western Yangtze River Delta: an overview of 1 yr data at the SORPES station. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5813-5830	6.8	260
213	Tropospheric ozone climatology over Beijing: analysis of aircraft data from the MOZAIC program. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 1-13	6.8	254
212	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China. <i>National Science Review</i> , 2021 , 8, nwaa137	10.8	247
211	Intense atmospheric pollution modifies weather: a case of mixed biomass burning with fossil fuel combustion pollution in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 10545-10554	6.8	227
210	Enhanced air pollution via aerosol-boundary layer feedback in China. <i>Scientific Reports</i> , 2016 , 6, 18998	4.9	215
209	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13175-13188	6.8	212
208	Strong ozone production in urban plumes from Beijing, China. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	200
207	Particulate matter pollution over China and the effects of control policies. <i>Science of the Total Environment</i> , 2017 , 584-585, 426-447	10.2	193
206	Heavy metals and Pb isotopic composition of aerosols in urban and suburban areas of Hong Kong and Guangzhou, South China Evidence of the long-range transport of air contaminants. <i>Atmospheric Environment</i> , 2007 , 41, 432-447	5.3	178
205	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7760-7765	11.5	172
204	Organochlorine pesticides in the atmosphere of Guangzhou and Hong Kong: Regional sources and long-range atmospheric transport. <i>Atmospheric Environment</i> , 2007 , 41, 3889-3903	5.3	165

203	Simulation of sea-land breezes and a discussion of their implications on the transport of air pollution during a multi-day ozone episode in the Pearl River Delta of China. <i>Atmospheric Environment</i> , 2004 , 38, 6737-6750	5.3	160
202	Impact of aerosol-meteorology interactions on fine particle pollution during China's severe haze episode in January 2013. <i>Environmental Research Letters</i> , 2014 , 9, 094002	6.2	146
201	Significant increase of summertime ozone at Mount Tai in Central Eastern China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10637-10650	6.8	132
200	Observational study of ozone and carbon monoxide at the summit of mount Tai (1534m a.s.l.) in central-eastern China. <i>Atmospheric Environment</i> , 2005 , 39, 4779-4791	5.3	131
199	Impact of synoptic weather patterns and inter-decadal climate variability on air quality in the North China Plain during 1980-2013. <i>Atmospheric Environment</i> , 2016 , 124, 119-128	5.3	130
198	Ozone production and hydrocarbon reactivity in Hong Kong, Southern China. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 557-573	6.8	124
197	Aggravating O pollution due to NO emission control in eastern China. <i>Science of the Total Environment</i> , 2019 , 677, 732-744	10.2	116
196	Tropospheric Ozone Assessment Report: Database and Metrics Data of Global Surface Ozone Observations. <i>Elementa</i> , 2017 , 5, 58	3.6	112
195	Enhanced sulfate formation by nitrogen dioxide: Implications from in situ observations at the SORPES station. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 12679-12694	4.4	109
194	Impact of Aerosol-PBL Interaction on Haze Pollution: Multiyear Observational Evidences in North China. <i>Geophysical Research Letters</i> , 2018 , 45, 8596-8603	4.9	108
193	Concurrent observations of air pollutants at two sites in the Pearl River Delta and the implication of regional transport. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 7343-7360	6.8	106
192	Polluted dust promotes new particle formation and growth. <i>Scientific Reports</i> , 2014 , 4, 6634	4.9	104
191	Characterization of PM _{2.5} and the major chemical components during a 1-year campaign in rural Guangzhou, Southern China. <i>Atmospheric Research</i> , 2016 , 167, 208-215	5.4	95
190	Chemical composition of PM _{2.5} and meteorological impact among three years in urban Shanghai, China. <i>Journal of Cleaner Production</i> , 2016 , 112, 1302-1311	10.3	91
189	Transport of north China air pollution by midlatitude cyclones: Case study of aircraft measurements in summer 2007. <i>Journal of Geophysical Research</i> , 2009 , 114,		87
188	Chemical characterization of the boundary layer outflow of air pollution to Hong Kong during February-April 2001. <i>Journal of Geophysical Research</i> , 2003 , 108,		87
187	Amplified transboundary transport of haze by aerosol-boundary layer interaction in China. <i>Nature Geoscience</i> , 2020 , 13, 428-434	18.3	87
186	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11727-11777	6.8	85

185	Atmospheric gas-to-particle conversion: why NPF events are observed in megacities?. <i>Faraday Discussions</i> , 2017 , 200, 271-288	3.6	84
184	Dome effect of black carbon and its key influencing factors: a one-dimensional modelling study. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2821-2834	6.8	80
183	Effects of aerosol-radiation interaction on precipitation during biomass-burning season in East China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10063-10082	6.8	80
182	On the relationship between ozone and its precursors in the Pearl River Delta: application of an observation-based model (OBM). <i>Environmental Science and Pollution Research</i> , 2010 , 17, 547-60	5.1	79
181	Significant reduction of PM _{2.5} in eastern China due to regional-scale emission control: evidence from SORPES in 2011-2018. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11791-11801	6.8	78
180	New particle formation in China: Current knowledge and further directions. <i>Science of the Total Environment</i> , 2017 , 577, 258-266	10.2	78
179	Aerosol size distribution and new particle formation in the western Yangtze River Delta of China: 2 years of measurements at the SORPES station. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12445-12464	6.8	77
178	Receptor modeling of source apportionment of Hong Kong aerosols and the implication of urban and regional contribution. <i>Atmospheric Environment</i> , 2009 , 43, 1159-1169	5.3	77
177	Transport characteristics and origins of carbon monoxide and ozone in Hong Kong, South China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9475-9488	4.4	76
176	Influence of biomass burning plumes on HONO chemistry in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1147-1159	6.8	74
175	Continuous measurement of peroxyacetyl nitrate (PAN) in suburban and remote areas of western China. <i>Atmospheric Environment</i> , 2009 , 43, 228-237	5.3	73
174	Global analysis of continental boundary layer new particle formation based on long-term measurements. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14737-14756	6.8	73
173	Influence of stratosphere-to-troposphere exchange on the seasonal cycle of surface ozone at Mount Waliguan in western China. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	72
172	Comparison of carbonaceous particulate matter emission factors among different solid fuels burned in residential stoves. <i>Atmospheric Environment</i> , 2014 , 89, 337-345	5.3	70
171	Detection of atmospheric gaseous amines and amides by a high-resolution time-of-flight chemical ionization mass spectrometer with protonated ethanol reagent ions. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14527-14543	6.8	69
170	Influence of synoptic condition and holiday effects on VOCs and ozone production in the Yangtze River Delta region, China. <i>Atmospheric Environment</i> , 2017 , 168, 112-124	5.3	69
169	Chemical compositions and reconstructed light extinction coefficients of particulate matter in a mega-city in the western Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2014 , 83, 14-20	5.3	68
168	Fluorescent water-soluble organic aerosols in the High Arctic atmosphere. <i>Scientific Reports</i> , 2015 , 5, 9845	4.9	65

167	Aerosols and nucleation in eastern China: first insights from the new SORPES-NJU station. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2169-2183	6.8	63
166	Temperature effect on phase state and reactivity controls atmospheric multiphase chemistry and transport of PAHs. <i>Science Advances</i> , 2018 , 4, eaap7314	14.3	62
165	Source of surface ozone and reactive nitrogen speciation at Mount Waliguan in western China: New insights from the 2006 summer study. <i>Journal of Geophysical Research</i> , 2011 , 116,		61
164	Ultrafine particles and PM in the air of cities around the world: Are they representative of each other?. <i>Environment International</i> , 2019 , 129, 118-135	12.9	57
163	Ambient levels and temporal variations of PM _{2.5} and PM ₁₀ at a residential site in the mega-city, Nanjing, in the western Yangtze River Delta, China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 171-8	2.3	57
162	Measurements of sub-3 nm particles using a particle size magnifier in different environments: from clean mountain top to polluted megacities. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2163-2187	6.8	56
161	On the origin of surface ozone and reactive nitrogen observed at a remote mountain site in the northeastern Qinghai-Tibetan Plateau, western China. <i>Journal of Geophysical Research</i> , 2006 , 111,		55
160	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2765-2783	6.8	52
159	Chemical composition, sources and evolution processes of aerosol at an urban site in Yangtze River Delta, China during wintertime. <i>Atmospheric Environment</i> , 2015 , 123, 339-349	5.3	50
158	Dust-induced radiative feedbacks in north China: A dust storm episode modeling study using WRF-Chem. <i>Atmospheric Environment</i> , 2016 , 129, 43-54	5.3	49
157	Influence of regional pollution and sandstorms on the chemical composition of cloud/fog at the summit of Mt. Taishan in northern China. <i>Atmospheric Research</i> , 2011 , 99, 434-442	5.4	48
156	Long-term observation of air pollution-weather/climate interactions at the SORPES station: a review and outlook. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 1	5.8	48
155	Regional contribution to PM ₁ pollution during winter haze in Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2016 , 541, 161-166	10.2	47
154	Amplification of light absorption of black carbon associated with air pollution. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9879-9896	6.8	46
153	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1857-1877	6.1	43
152	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. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14421-14461	6.8	43
151	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. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9061-9074	6.8	41
150	On secondary new particle formation in China. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 1	5.8	39

149	Source origins, modeled profiles, and apportionments of halogenated hydrocarbons in the greater Pearl River Delta region, southern China. <i>Journal of Geophysical Research</i> , 2009 , 114,		39
148	Six sources mainly contributing to the haze episodes and health risk assessment of PM at Beijing suburb in winter 2016. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 146-156	7	39
147	MAX-DOAS measurements of tropospheric NO ₂ and HCHO in Nanjing and a comparison to ozone monitoring instrument observations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10051-10071	6.8	38
146	Impact of synoptic weather patterns on spatio-temporal variation in surface O ₃ levels in Hong Kong during 1999-2011. <i>Atmospheric Environment</i> , 2013 , 73, 41-50	5.3	38
145	Chemical composition and droplet size distribution of cloud at the summit of Mount Tai, China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9885-9896	6.8	38
144	Impacts of the East Asian monsoon on lower tropospheric ozone over coastal South China. <i>Environmental Research Letters</i> , 2013 , 8, 044011	6.2	38
143	An ozone episode in the Pearl River Delta: Field observation and model simulation. <i>Journal of Geophysical Research</i> , 2010 , 115,		37
142	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. <i>Environmental Pollution</i> , 2014 , 195, 39-47	9.3	36
141	Measurement of gas-phase total peroxides at the summit of Mount Tai in China. <i>Atmospheric Environment</i> , 2009 , 43, 1702-1711	5.3	36
140	Seasonal Characteristics of New Particle Formation and Growth in Urban Beijing. <i>Environmental Science & Technology</i> , 2020 , 54, 8547-8557	10.3	35
139	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2477-2492	6.8	35
138	Introduction: The Pan-Eurasian Experiment (PEEX) [multidisciplinary, multiscale and multicomponent research and capacity-building initiative. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13085-13096	6.8	35
137	Molecular Markers of Secondary Organic Aerosol in Mumbai, India. <i>Environmental Science & Technology</i> , 2016 , 50, 4659-67	10.3	35
136	Uplifting of carbon monoxide from biomass burning and anthropogenic sources to the free troposphere in East Asia. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2843-2866	6.8	34
135	On the interpretation of the loading correction of the aethalometer. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 4415-4427	4	33
134	Asian dust storm observed at a rural mountain site in southern China: chemical evolution and heterogeneous photochemistry. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 11985-11995	6.8	33
133	Anthropogenic aerosol effects on East Asian winter monsoon: The role of black carbon-induced Tibetan Plateau warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 5883-5902	4.4	32
132	Is reducing new particle formation a plausible solution to mitigate particulate air pollution in Beijing and other Chinese megacities?. <i>Faraday Discussions</i> , 2021 , 226, 334-347	3.6	32

131	NO Emission Changes Over China During the COVID-19 Epidemic Inferred From Surface NO Observations. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090080	4.9	31
130	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021 , 371, 589-595	33.3	31
129	Two years of online measurement of fine particulate nitrate in the western Yangtze River Delta: influences of thermodynamics and N_2O_5 hydrolysis. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17177-17190	6.8	31
128	Analysis of aerosol effects on warm clouds over the Yangtze River Delta from multi-sensor satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5623-5641	6.8	29
127	Aircraft measurements of the vertical distribution of sulfur dioxide and aerosol scattering coefficient in China. <i>Atmospheric Environment</i> , 2010 , 44, 278-282	5.3	29
126	Semi-quantitative understanding of source contribution to nitrous acid (HONO) based on 1-year of continuous observation at the SORPES station in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13289-13308	6.8	29
125	The impact of multi-species surface chemical observation assimilation on air quality forecasts in China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17387-17404	6.8	29
124	Size-dependent influence of NO on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020 , 6, eaay4945	14.3	28
123	SURF: Understanding and Predicting Urban Convection and Haze. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 1391-1413	6.1	27
122	Quantifying the contribution of land use change to surface temperature in the lower reaches of the Yangtze River. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4989-4996	6.8	26
121	Nested atmospheric inversion for the terrestrial carbon sources and sinks in China. <i>Biogeosciences</i> , 2013 , 10, 5311-5324	4.6	26
120	Transport, mixing and feedback of dust, biomass burning and anthropogenic pollutants in eastern Asia: a case study. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16345-16361	6.8	26
119	Vertical distributions of non-methane hydrocarbons and halocarbons in the lower troposphere over northeast China. <i>Atmospheric Environment</i> , 2011 , 45, 6501-6509	5.3	24
118	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China		24
117	Carbonyl sulfide, dimethyl sulfide and carbon disulfide in the Pearl River Delta of southern China: Impact of anthropogenic and biogenic sources. <i>Atmospheric Environment</i> , 2010 , 44, 3805-3813	5.3	23
116	The Climatology of Lower Tropospheric Temperature Inversions in China from Radiosonde Measurements: Roles of Black Carbon, Local Meteorology, and Large-Scale Subsidence. <i>Journal of Climate</i> , 2020 , 33, 9327-9350	4.4	23
115	Profile of inhalable bacteria in PM at Mt. Tai, China: Abundance, community, and influence of air mass trajectories. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 168, 110-119	7	23
114	The impacts of surface ozone pollution on winter wheat productivity in China--An econometric approach. <i>Environmental Pollution</i> , 2016 , 208, 326-35	9.3	22

113	Aerosol optical properties at SORPES in Nanjing, east China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5265-5292	6.8	22
112	Stage-specific, Nonlinear Surface Ozone Damage to Rice Production in China. <i>Scientific Reports</i> , 2017 , 7, 44224	4.9	20
111	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. <i>Current Pollution Reports</i> , 2019 , 5, 36-51	7.6	20
110	Impact of air transport and secondary formation on haze pollution in the Yangtze River Delta: In situ online observations in Shanghai and Nanjing. <i>Atmospheric Environment</i> , 2020 , 225, 117350	5.3	18
109	Comparison of land-atmosphere interaction at different surface types in the mid- to lower reaches of the Yangtze River valley. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9875-9890	6.8	18
108	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. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11779-11791	6.8	18
107	Direct measurement of new particle formation based on tethered airship around the top of the planetary boundary layer in eastern China. <i>Atmospheric Environment</i> , 2019 , 209, 92-101	5.3	17
106	Observation-based estimation of aerosol-induced reduction of planetary boundary layer height. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 1057-1068	2.9	17
105	Fungi diversity in PM _{2.5} and PM ₁₀ at the summit of Mt. Tai: abundance, size distribution, and seasonal variation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11247-11260	6.8	17
104	Understanding ozone pollution in the Yangtze River Delta of eastern China from the perspective of diurnal cycles. <i>Science of the Total Environment</i> , 2021 , 752, 141928	10.2	17
103	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 11,786-11,803	4.4	17
102	The changing ambient mixing ratios of long-lived halocarbons under Montreal Protocol in China. <i>Journal of Cleaner Production</i> , 2018 , 188, 774-785	10.3	17
101	Impact of long-range transport and under-cloud scavenging on precipitation chemistry in East China. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1544-54	5.1	16
100	WRF-Chem Simulation of a Severe Haze Episode in the Yangtze River Delta, China. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 1268-1283	4.6	16
99	Optimization of vertical grid setting for air quality modelling in China considering the effect of aerosol-boundary layer interaction. <i>Atmospheric Environment</i> , 2019 , 210, 1-13	5.3	15
98	Evolution of trace elements in the planetary boundary layer in southern China: Effects of dust storms and aerosol-cloud interactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 3492-3506	4.4	14
97	Secondary aerosol formation and its linkage with synoptic conditions during winter haze pollution over eastern China. <i>Science of the Total Environment</i> , 2020 , 730, 138888	10.2	14
96	Impact of Asian continental outflow on the concentrations of O ₃ , CO, NMHCs and halocarbons on Jeju Island, South Korea during March 2005. <i>Atmospheric Environment</i> , 2007 , 41, 2933-2944	5.3	14

95	Ground-based measurements of total ozone and UV radiation by the Brewer spectrophotometer #115 at Hong Kong. <i>Atmospheric Environment</i> , 2002 , 36, 2003-2012	5.3	14
94	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. <i>Geography, Environment, Sustainability</i> , 2014 , 7, 13-48	1	14
93	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. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12115-12131	6.8	14
92	Air Pollution and Weather Interaction in East Asia		14
91	Observations of aerosol optical properties at a coastal site in Hong Kong, South China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2653-2671	6.8	13
90	Urban Aerosol Characteristics during the World Expo 2010 in Shanghai. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 36-48	4.6	13
89	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. <i>Environmental Science & Technology</i> , 2021 , 55, 5721-5730	10.3	13
88	Increased Aerosol Extinction Efficiency Hinders Visibility Improvement in Eastern China. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090167	4.9	12
87	Characteristics of intercontinental transport of tropospheric ozone from Africa to Asia. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4251-4276	6.8	11
86	Size distribution and new particle formation in subtropical eastern Australia. <i>Environmental Chemistry</i> , 2008 , 5, 382	3.2	11
85	The Impacts of Emission Control and Regional Transport on PM2.5 Ions and Carbon Components in Nanjing during the 2014 Nanjing Youth Olympic Games. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 730-740	4.6	11
84	Weakened Aerosol-PBL Interaction During COVID-19 Lockdown in Northern China. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090542	4.9	11
83	Impacts of black carbon on the formation of advection-radiation fog during a haze pollution episode in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7759-7774	6.8	10
82	Ozone from fireworks: Chemical processes or measurement interference?. <i>Science of the Total Environment</i> , 2018 , 633, 1007-1011	10.2	10
81	The Influence of Sandstorms and Long-Range Transport on Polycyclic Aromatic Hydrocarbons (PAHs) in PM2.5 in the High-Altitude Atmosphere of Southern China. <i>Atmosphere</i> , 2015 , 6, 1633-1651	2.7	10
80	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1-14	4.6	10
79	New particle formation in the western Yangtze River Delta: first data from SORPES-station		10
78	ENSO and Southeast Asian biomass burning modulate subtropical trans-Pacific ozone transport. <i>National Science Review</i> , 2021 , 8, nwaa132	10.8	10

77	Airborne Pollen Concentration in Nanjing, Eastern China, and its Relationship With Meteorological Factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,842-10,856	4.4	10
76	Multiphase chemistry experiment in Fogs and Aerosols in the North China Plain (McFAN): integrated analysis and intensive winter campaign 2018. <i>Faraday Discussions</i> , 2021 , 226, 207-222	3.6	10
75	Ozone production in four major cities of China: sensitivity to ozone precursors and heterogeneous processes 2013 ,		9
74	Correction to "Transport of north China air pollution by midlatitude cyclones: Case study of aircraft measurements in summer 2007" <i>Journal of Geophysical Research</i> , 2009 , 114,		9
73	Robust observational constraint of uncertain aerosol processes and emissions in a climate model and the effect on aerosol radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9491-9524	6.8	9
72	Increasing surface ozone concentrations in the background atmosphere of southern China, 1994-2007		9
71	Black Carbon Emission Reduction Due to COVID-19 Lockdown in China. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093243	4.9	9
70	Advancing global aerosol simulations with size-segregated anthropogenic particle number emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10039-10054	6.8	9
69	Significant production of ClNO_2 and possible source of Cl_2 from N_2O_5 uptake at a suburban site in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6147-6158	6.8	8
68	Photoinduced Production of Chlorine Molecules from Titanium Dioxide Surfaces Containing Chloride. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 70-75	11	8
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39	Aerosol size distribution and new particle formation in western Yangtze River Delta of China: two-year measurement at the SORPES station		3
38	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models		3
37	Concurrent observations of air pollutants at two sites in the Pearl River Delta and the implication of regional transport		3
36	Significant production of ClNO ₂ and possible source of Cl ₂ from N ₂ O ₅ uptake at a suburban site in eastern China		3
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