

# Tao Wang

## List of Publications by Citations

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241  
papers

9,680  
citations

57  
h-index

89  
g-index

326  
ext. papers

12,084  
ext. citations

6.2  
avg, IF

6.48  
L-index

#	Paper	IF	Citations
241	Ozone pollution in China: A review of concentrations, meteorological influences, chemical precursors, and effects. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 1582-1596	10.2	627
240	Severe Surface Ozone Pollution in China: A Global Perspective. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 487-494	11	316
239	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13175-13188	6.8	212
238	Strong ozone production in urban plumes from Beijing, China. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	200
237	Speciation of Brown Carbon in cloud water impacted by agricultural biomass burning in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 7389-7399	4.4	185
236	Unmet care needs of advanced cancer patients and their informal caregivers: a systematic review. <i>BMC Palliative Care</i> , <b>2018</b> , 17, 96	3	178
235	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> , <b>2007</b> , 41, 432-447	5.3	178
234	The Acidity of Atmospheric Particles and Clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4809-4888	6.8	165
233	Organochlorine pesticides in the atmosphere of Guangzhou and Hong Kong: Regional sources and long-range atmospheric transport. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 3889-3903	5.3	165
232	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> , <b>2004</b> , 38, 6737-6750	5.3	160
231	Measurement of aerosol number size distributions in the Yangtze River delta in China: Formation and growth of particles under polluted conditions. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 829-836	5.3	145
230	Significant increase of summertime ozone at Mount Tai in Central Eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 10637-10650	6.8	132
229	Ground-level ozone in the Pearl River Delta region: Analysis of data from a recently established regional air quality monitoring network. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 814-823	5.3	126
228	Influence of regional pollution outflow on the concentrations of fine particulate matter and visibility in the coastal area of southern China. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 6463-6474	5.3	123
227	Characterizing the temporal variability and emission patterns of pollution plumes in the Pearl River Delta of China. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 3539-3550	5.3	118
226	Characteristics of summertime PM <sub>2.5</sub> organic and elemental carbon in four major Chinese cities: Implications of high acidity for water-soluble organic carbon (WSOC). <i>Atmospheric Environment</i> , <b>2011</b> , 45, 318-325	5.3	117
225	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. <i>Elementa</i> , <b>2018</b> , 1, 1	3.6	115

224	Tropospheric Ozone Assessment Report: Database and Metrics Data of Global Surface Ozone Observations. <i>Elementa</i> , <b>2017</b> , 5, 58	3.6	112
223	On the severe haze in Beijing during January 2013: Unraveling the effects of meteorological anomalies with WRF-Chem. <i>Atmospheric Environment</i> , <b>2015</b> , 104, 11-21	5.3	112
222	Nighttime enhancement of PM <sub>2.5</sub> nitrate in ammonia-poor atmospheric conditions in Beijing and Shanghai: Plausible contributions of heterogeneous hydrolysis of N <sub>2</sub> O <sub>5</sub> and HNO <sub>3</sub> partitioning. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1183-1191	5.3	105
221	Polluted dust promotes new particle formation and growth. <i>Scientific Reports</i> , <b>2014</b> , 4, 6634	4.9	104
220	Oxidative capacity and radical chemistry in the polluted atmosphere of Hong Kong and Pearl River Delta region: analysis of a severe photochemical smog episode. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9891-9903	6.8	103
219	Significant concentrations of nitryl chloride sustained in the morning: investigations of the causes and impacts on ozone production in a polluted region of northern China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14959-14977	6.8	103
218	Increasing Ammonia Concentrations Reduce the Effectiveness of Particle Pollution Control Achieved via SO <sub>2</sub> and NO <sub>x</sub> Emissions Reduction in East China. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 221-227	11	99
217	Increasing external effects negate local efforts to control ozone air pollution: a case study of Hong Kong and implications for other Chinese cities. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10769-10775	10.3	92
216	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2476-2489	4.4	88
215	Transport of north China air pollution by midlatitude cyclones: Case study of aircraft measurements in summer 2007. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		87
214	Asian emissions of CO and NO <sub>x</sub> : Constraints from aircraft and Chinese station data. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		87
213	Chemical characterization of the boundary layer outflow of air pollution to Hong Kong during February-April 2001. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		87
212	Worsening urban ozone pollution in China from 2013 to 2017 [Part I]: The complex and varying roles of meteorology. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 6305-6321	6.8	86
211	Persistent Heavy Winter Nitrate Pollution Driven by Increased Photochemical Oxidants in Northern China. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3881-3889	10.3	85
210	Physical characterization of aerosol particles during the Chinese New Year's firework events. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5191-5198	5.3	85
209	Relationships of trace gases and aerosols and the emission characteristics at Lin'an, a rural site in eastern China, during spring 2001. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		84
208	Regional trend analysis of surface ozone observations from monitoring networks in eastern North America, Europe and East Asia. <i>Elementa</i> , <b>2017</b> , 5,	3.6	83
207	Ambient sulfur dioxide, nitrogen dioxide, and ammonia at ten background and rural sites in China during 2007-2008. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 2625-2631	5.3	81

- 206 Role of water molecule in the gas-phase formation process of nitrated polycyclic aromatic hydrocarbons in the atmosphere: a computational study. *Environmental Science & Technology*, **2014**, 48, 5051-7 10.3 77
- 205 Evaluating the uncertainties of thermal catalytic conversion in measuring atmospheric nitrogen dioxide at four differently polluted sites in China. *Atmospheric Environment*, **2013**, 76, 221-226 5.3 77
- 204 Transport characteristics and origins of carbon monoxide and ozone in Hong Kong, South China. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 9475-9488 4.4 76
- 203 Worsening urban ozone pollution in China from 2013 to 2017 [Part 2]: The effects of emission changes and implications for multi-pollutant control. *Atmospheric Chemistry and Physics*, **2020**, 20, 6323-6337 6.8 74
- 202 Characterization of cloud water chemistry at Mount Tai, China: Seasonal variation, anthropogenic impact, and cloud processing. *Atmospheric Environment*, **2012**, 60, 467-476 5.3 74
- 201 Influence of stratosphere-to-troposphere exchange on the seasonal cycle of surface ozone at Mount Waliguan in western China. *Geophysical Research Letters*, **2006**, 33, 4.9 72
- 200 On the origin and the trend of acid precipitation in China. *Water, Air, and Soil Pollution*, **1995**, 85, 2295-2300 72
- 199 Nitrous acid (HONO) in a polluted subtropical atmosphere: Seasonal variability, direct vehicle emissions and heterogeneous production at ground surface. *Atmospheric Environment*, **2015**, 106, 100-109 5.3 71
- 198 Aqueous phase sulfate production in clouds in eastern China. *Atmospheric Environment*, **2012**, 62, 502-514 4.3 68
- 197 Fast heterogeneous  $\text{N}_2\text{O}_5$  uptake and  $\text{ClNO}_2$  production in power plant and industrial plumes observed in the nocturnal residual layer over the North China Plain. *Atmospheric Chemistry and Physics*, **2017**, 17, 12361-12378 6.8 65
- 196 Observations of  $\text{N}_2\text{O}_5$  and  $\text{ClNO}_2$  at a polluted urban surface site in North China: High  $\text{N}_2\text{O}_5$  uptake coefficients and low  $\text{ClNO}_2$  product yields. *Atmospheric Environment*, **2017**, 156, 125-134 5.3 64
- 195 Formation of secondary organic carbon and cloud impact on carbonaceous aerosols at Mount Tai, North China. *Atmospheric Environment*, **2012**, 46, 516-527 5.3 63
- 194 Continuous observations of water-soluble ions in  $\text{PM}_{2.5}$  at Mount Tai (1534 m a.s.l.) in central-eastern China. *Journal of Atmospheric Chemistry*, **2009**, 64, 107-127 3.2 63
- 193 On acid rain formation in China. *Atmospheric Environment*, **1996**, 30, 4091-4093 5.3 63
- 192 Measurement of black carbon aerosols near two Chinese megacities and the implications for improving emission inventories. *Atmospheric Environment*, **2009**, 43, 3918-3924 5.3 62
- 191 Gaseous and particulate air pollution in the Lanzhou Valley, China. *Science of the Total Environment*, **2004**, 320, 163-76 10.2 62
- 190 Summertime fine particulate nitrate pollution in the North China Plain: increasing trends, formation mechanisms and implications for control policy. *Atmospheric Chemistry and Physics*, **2018**, 18, 11261-11275 6.8 62
- 189 The significant contribution of HONO to secondary pollutants during a severe winter pollution event in southern China. *Atmospheric Chemistry and Physics*, **2019**, 19, 1-14 6.8 61

188	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2457-2475	4.4	61
187	Potential sources of nitrous acid (HONO) and their impacts on ozone: A WRF-Chem study in a polluted subtropical region. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3645-3662	4.4	59
186	Influences of biomass burning during the Transport and Chemical Evolution Over the Pacific (TRACE-P) experiment identified by the regional chemical transport model. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		58
185	Comparison among filter-based, impactor-based and continuous techniques for measuring atmospheric fine sulfate and nitrate. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4396-4403	5.3	57
184	Effectiveness of home-based pulmonary rehabilitation for patients with chronic obstructive pulmonary disease: a meta-analysis of randomized controlled trials. <i>Rehabilitation Nursing</i> , <b>2014</b> , 39, 36-59	1.3	56
183	Responses of human health and vegetation exposure metrics to changes in ozone concentration distributions in the European Union, United States, and China. <i>Atmospheric Environment</i> , <b>2017</b> , 152, 123-145	5.2	55
182	Sources and photochemistry of volatile organic compounds in the remote atmosphere of western China: results from the Mt. Waliguan Observatory. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8551-8567	6.8	55
181	Multielemental analysis and characterization of fine aerosols at several key ACE-Asia sites. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		55
180	Radiative and heterogeneous chemical effects of aerosols on ozone and inorganic aerosols over East Asia. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1327-1342	10.2	54
179	Anthropogenic Emissions of Hydrogen Chloride and Fine Particulate Chloride in China. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1644-1654	10.3	51
178	Concentrations and solubility of trace elements in fine particles at a mountain site, southern China: regional sources and cloud processing. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8987-9002	6.8	51
177	Meteorological and Chemical Characteristics of the Photochemical Ozone Episodes Observed at Cape Daiguilar in Hong Kong. <i>Journal of Applied Meteorology and Climatology</i> , <b>1998</b> , 37, 1167-1178		51
176	SO Initiates the Efficient Conversion of NO to HONO on MgO Surface. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 3767-3775	10.3	50
175	Formation of secondary organic carbon and long-range transport of carbonaceous aerosols at Mount Heng in South China. <i>Atmospheric Environment</i> , <b>2012</b> , 63, 203-212	5.3	50
174	Episodic removal of NO <sub>y</sub> species from the marine boundary layer over the North Atlantic. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 28947-28960		49
173	Heterogeneous N <sub>2</sub> O <sub>5</sub> uptake coefficient and production yield of ClNO <sub>2</sub> in polluted northern China: roles of aerosol water content and chemical composition. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13155-13171	6.8	49
172	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> , <b>2011</b> , 99, 434-442	5.4	48
171	On the performance of a semi-continuous PM <sub>2.5</sub> sulphate and nitrate instrument under high loadings of particulate and sulphur dioxide. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 5442-5451	5.3	48

170	Presence of high nitryl chloride in Asian coastal environment and its impact on atmospheric photochemistry. <i>Science Bulletin</i> , <b>2014</b> , 59, 356-359		47
169	Measurement and Analysis of a Multiday Photochemical Smog Episode in the Pearl River Delta of China. <i>Journal of Applied Meteorology and Climatology</i> , <b>2003</b> , 42, 404-416		47
168	Atmospheric peroxides in a polluted subtropical environment: seasonal variation, sources and sinks, and importance of heterogeneous processes. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1443-50 <sup>10.3</sup>		44
167	Particle number size distribution and new particle formation: new characteristics during the special pollution control period in Beijing. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 14-21	6.4	44
166	Effectiveness of disease-specific self-management education on health outcomes in patients with chronic obstructive pulmonary disease: An updated systematic review and meta-analysis. <i>Patient Education and Counseling</i> , <b>2017</b> , 100, 1432-1446	3.1	43
165	Observations of fine particulate nitrated phenols in four sites in northern China: concentrations, source apportionment, and secondary formation. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4349-4359 <sup>6.8</sup>	6.8	43
164	Development of a chlorine chemistry module for the Master Chemical Mechanism. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 3151-3162	6.3	42
163	The impacts of anthropogenic emissions on the precipitation chemistry at an elevated site in North-eastern China. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2959-2970	5.3	42
162	Impacts of heterogeneous uptake of dinitrogen pentoxide and chlorine activation on ozone and reactive nitrogen partitioning: improvement and application of the WRF-Chem model in southern China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14875-14890	6.8	41
161	Adverse events of auricular therapy: a systematic review. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 506758	2.3	41
160	Radon-222 in boundary layer and free tropospheric continental outflow events at three ACE-Asia sites. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2005</b> , 57, 124-140	3.3	41
159	Photochemical smog in China: scientific challenges and implications for air-quality policies. <i>National Science Review</i> , <b>2016</b> , 3, 401-403	10.8	41
158	Nitrate formation from heterogeneous uptake of dinitrogen pentoxide during a severe winter haze in southern China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17515-17527	6.8	41
157	Development and deployment of a cavity enhanced UV-LED spectrometer for measurements of atmospheric HONO and NO <sub>2</sub> in Hong Kong. <i>Atmospheric Environment</i> , <b>2014</b> , 95, 544-551	5.3	40
156	Large daytime signals of N <sub>2</sub> O <sub>5</sub> and NO <sub>3</sub> inferred at 62 amu in a TD-CIMS: chemical interference or a real atmospheric phenomenon?. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 1-12	4	40
155	Microscopic observation of metal-containing particles from Chinese continental outflow observed from a non-industrial site. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9124-31	10.3	39
154	Long-term atmospheric measurements of C <sub>15</sub> alkyl nitrates in the Pearl River Delta region of southeast China. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 1619-1632	5.3	39
153	Observations and Explicit Modeling of Summertime Carbonyl Formation in Beijing: Identification of Key Precursor Species and Their Impact on Atmospheric Oxidation Chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 1426-1440	4.4	38



152	Sham Acupressure Controls Used in Randomized Controlled Trials: A Systematic Review and Critique. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132989	3.7	38
151	Impacts of the East Asian monsoon on lower tropospheric ozone over coastal South China. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 044011	6.2	38
150	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. <i>Environmental Pollution</i> , <b>2014</b> , 195, 39-47	9.3	36
149	Measurement of gas-phase total peroxides at the summit of Mount Tai in China. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1702-1711	5.3	36
148	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3114-3120	10.3	35
147	Oxidizing capacity of the rural atmosphere in Hong Kong, Southern China. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 1114-1122	10.2	35
146	Source and variation of carbonaceous aerosols at Mount Tai, North China: Results from a semi-continuous instrument. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1655-1667	5.3	35
145	Abundance and origin of fine particulate chloride in continental China. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1041-1051	10.2	34
144	Carbonyl compounds at Mount Tai in the North China Plain: Characteristics, sources, and effects on ozone formation. <i>Atmospheric Research</i> , <b>2017</b> , 196, 53-61	5.4	33
143	An evaluation of the ability of the Ozone Monitoring Instrument (OMI) to observe boundary layer ozone pollution across China: application to 2005-2017 ozone trends. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6551-6560	6.8	33
142	Twenty-Five Years of Lower Tropospheric Ozone Observations in Tropical East Asia: The Influence of Emissions and Weather Patterns. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11463-11470	4.9	33
141	Asian dust storm observed at a rural mountain site in southern China: chemical evolution and heterogeneous photochemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 11985-11995	6.8	33
140	Organic acids in cloud water and rainwater at a mountain site in acid rain areas of South China. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 9529-39	5.1	32
139	Chlorine oxidation of VOCs at a semi-rural site in Beijing: significant chlorine liberation from ClNO <sub>2</sub> and subsequent gas- and particle-phase ClVOC production. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13013-13030	6.8	32
138	Revisiting nitrous acid (HONO) emission from on-road vehicles: A tunnel study with a mixed fleet. <i>Journal of the Air and Waste Management Association</i> , <b>2017</b> , 67, 797-805	2.4	31
137	Characterization of aerosol acidity at a high mountain site in central eastern China. <i>Atmospheric Environment</i> , <b>2012</b> , 51, 11-20	5.3	31
136	"New" Reactive Nitrogen Chemistry Reshapes the Relationship of Ozone to Its Precursors. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2810-2818	10.3	30
135	Significantly accelerated PEC degradation of organic pollutant with addition of sulfite and mechanism study. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 441-449	21.8	29

134	Cloud and the corresponding precipitation chemistry in south China: Water-soluble components and pollution transport. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		29
133	Aircraft measurements of the vertical distribution of sulfur dioxide and aerosol scattering coefficient in China. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 278-282	5.3	29
132	Photochemical evolution of organic aerosols observed in urban plumes from Hong Kong and the Pearl River Delta of China. <i>Atmospheric Environment</i> , <b>2014</b> , 88, 219-229	5.3	28
131	Auricular therapy for chronic pain management in adults: A synthesis of evidence. <i>Complementary Therapies in Clinical Practice</i> , <b>2015</b> , 21, 68-78	3.5	28
130	Particle number size distribution and new particle formation (NPF) in Lanzhou, Western China. <i>Particuology</i> , <b>2011</b> , 9, 611-618	2.8	28
129	Global Changes in Secondary Atmospheric Pollutants During the 2020 COVID-19 Pandemic. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD034213	4.4	26
128	Receptor modelling using Positive Matrix Factorisation, back trajectories and Radon-222. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6823-6837	5.3	25
127	Vertical distributions of non-methane hydrocarbons and halocarbons in the lower troposphere over northeast China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 6501-6509	5.3	24
126	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11048-11057	10.3	24
125	Atmospheric concentrations of particulate sulfate and nitrate in Hong Kong during 1995-2008: Impact of local emission and super-regional transport. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 43-51	5.3	23
124	Large conversion rates of NO <sub>2</sub> to HNO <sub>2</sub> observed in air masses from the South China Sea: Evidence of strong production at sea surface?. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7710-7715	4.9	23
123	Impact of emission control on regional air quality: an observational study of air pollutants before, during and after the Beijing Olympic Games. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 175-80	6.4	23
122	Pathways of conversion of nitrogen oxides by nano TiO <sub>2</sub> incorporated in cement-based materials. <i>Building and Environment</i> , <b>2018</b> , 144, 412-418	6.5	23
121	Combined impacts of nitrous acid and nitryl chloride on lower-tropospheric ozone: new module development in WRF-Chem and application to China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9733-9750	6.8	22
120	Aerosol ionic components at Mt. Heng in central southern China: abundances, size distribution, and impacts of long-range transport. <i>Science of the Total Environment</i> , <b>2012</b> , 433, 498-506	10.2	22
119	Radon-222 in boundary layer and free tropospheric continental outflow events at three ACE-Asia sites. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2005</b> , 57, 124-140	3.3	21
118	Measurements of Peroxyacetyl Nitrate at a Background Site in the Pearl River Delta Region: Production Efficiency and Regional Transport. <i>Aerosol and Air Quality Research</i> , <b>2015</b> , 15, 833-841	4.6	21
117	Gaseous carbonyls in China's atmosphere: Tempo-spatial distributions, sources, photochemical formation, and impact on air quality. <i>Atmospheric Environment</i> , <b>2019</b> , 214, 116863	5.3	19



116	Optical properties of size-resolved particles at a Hong Kong urban site during winter. <i>Atmospheric Research</i> , <b>2015</b> , 155, 1-12	5.4	19
115	Effects of Anthropogenic Chlorine on PM and Ozone Air Quality in China. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9908-9916	10.3	18
114	Emerging investigator series: heterogeneous reactions of sulfur dioxide on mineral dust nanoparticles: from single component to mixed components. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1821-1833	7.1	18
113	The effectiveness of DustBubbles on dust control in the process of concrete drilling. <i>Safety Science</i> , <b>2012</b> , 50, 1284-1289	5.8	18
112	Current evidence on auricular therapy for chemotherapy-induced nausea and vomiting in cancer patients: a systematic review of randomized controlled trials. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 430796	2.3	18
111	Distribution and source of alkyl polycyclic aromatic hydrocarbons in dustfall in Shanghai, China: the effect on the coastal area. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 187-92		18
110	Mixed Chloride Aerosols and their Atmospheric Implications: A Review. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 17, 878-887	4.6	18
109	Fast heterogeneous loss of NO leads to significant nighttime NO removal and nitrate aerosol formation at a coastal background environment of southern China. <i>Science of the Total Environment</i> , <b>2019</b> , 677, 637-647	10.2	17
108	Changes in global air pollutant emissions during the COVID-19 pandemic: a dataset for atmospheric modeling. <i>Earth System Science Data</i> , <b>2021</b> , 13, 4191-4206	10.5	17
107	Characterization of organic aerosols and their precursors in southern China during a severe haze episode in January 2017. <i>Science of the Total Environment</i> , <b>2019</b> , 691, 101-111	10.2	16
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42	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality		3
41	Significant increase of summertime ozone at Mt. Tai in Central Eastern China: 2003-2015 <b>2016</b> ,		2
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32	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl. <i>Nature Communications</i> , <b>2022</b> , 13, 939	17.4	2
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30	Worsening urban ozone pollution in China from 2013 to 2017 [Part 1: The complex and varying roles of meteorology <b>2020</b> ,		1
29	Development and validation of an evidence-based auricular acupuncture intervention for managing chemotherapy-induced nausea and vomiting in breast cancer patients. <i>Complementary Therapies in Medicine</i> , <b>2020</b> , 52, 102502	3.5	1
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24	Concentrations and solubility of trace elements in fine particles at a mountain site, southern China: regional sources and cloud processing		1
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21	Impact of international shipping emissions on ozone and PM <sub>2.5</sub> in East Asia during summer: the important role of HONO and ClNO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8747-8759	6.8	1
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19	Heterogeneous N <sub>2</sub> O <sub>5</sub> reactions on atmospheric aerosols at four Chinese sites: Improving model representation of uptake parameters <b>2019</b> ,		1
18	Chlorine oxidation of VOCs at a semi-rural site in Beijing: Significant chlorine liberation from ClNO <sub>2</sub> and subsequent gas and particle phase Cl-VOC production <b>2018</b> ,		1
17	Nitrate formation from heterogeneous uptake of dinitrogen pentoxide during a severe winter haze in southern China <b>2018</b> ,		1
16	Photochemical reaction of NO <sub>2</sub> on photoactive mineral dust: Mechanism and irradiation intensity dependence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 416, 113319	4.7	1
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