

Tao Wang

List of Publications by Year in descending order

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229
papers

14,534
citations

16437

64
h-index

27389

106
g-index

326
all docs

326
docs citations

326
times ranked

9321
citing authors

#	ARTICLE	IF	CITATIONS
1	Ozone pollution in China: A review of concentrations, meteorological influences, chemical precursors, and effects. <i>Science of the Total Environment</i> , 2017, 575, 1582-1596.	3.9	1,069
2	Severe Surface Ozone Pollution in China: A Global Perspective. <i>Environmental Science and Technology Letters</i> , 2018, 5, 487-494.	3.9	570
3	Unmet care needs of advanced cancer patients and their informal caregivers: a systematic review. <i>BMC Palliative Care</i> , 2018, 17, 96.	0.8	374
4	The acidity of atmospheric particles and clouds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4809-4888.	1.9	327
5	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13175-13188.	1.9	305
6	Strong ozone production in urban plumes from Beijing, China. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	231
7	Speciation of "brown" carbon in cloud water impacted by agricultural biomass burning in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7389-7399.	1.2	231
8	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.	1.9	216
9	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.	1.9	207
10	Worsening urban ozone pollution in China from 2013 to 2017 " Part 1: The complex and varying roles of meteorology. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6305-6321.	1.9	200
11	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. <i>Elementa</i> , 2018, 6, 1.	1.1	196
12	Significant increase of summertime ozone at Mount Tai in Central Eastern China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10637-10650.	1.9	192
13	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.	1.9	180
14	Persistent Heavy Winter Nitrate Pollution Driven by Increased Photochemical Oxidants in Northern China. <i>Environmental Science & Technology</i> , 2020, 54, 3881-3889.	4.6	180
15	Worsening urban ozone pollution in China from 2013 to 2017 " Part 2: The effects of emission changes and implications for multi-pollutant control. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6323-6337.	1.9	173
16	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. <i>Elementa</i> , 2017, 5, .	1.1	172
17	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> , 2016, 16, 9891-9903.	1.9	168
18	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> , 2010, 44, 814-823.	1.9	164

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19	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> , 2009, 43, 829-836.	1.9	162
20	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> , 2016, 16, 14959-14977.	1.9	146
21	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> , 2005, 39, 6463-6474.	1.9	144
22	Increasing Ammonia Concentrations Reduce the Effectiveness of Particle Pollution Control Achieved via SO ₂ and NO _x Emissions Reduction in East China. <i>Environmental Science and Technology Letters</i> , 2017, 4, 221-227.	3.9	142
23	Nighttime enhancement of PM _{2.5} nitrate in ammonia-poor atmospheric conditions in Beijing and Shanghai: Plausible contributions of heterogeneous hydrolysis of N ₂ O ₅ and HNO ₃ partitioning. <i>Atmospheric Environment</i> , 2011, 45, 1183-1191.	1.9	141
24	Characteristics of summertime PM _{2.5} organic and elemental carbon in four major Chinese cities: Implications of high acidity for water-soluble organic carbon (WSOC). <i>Atmospheric Environment</i> , 2011, 45, 318-325.	1.9	141
25	On the severe haze in Beijing during January 2013: Unraveling the effects of meteorological anomalies with WRF-Chem. <i>Atmospheric Environment</i> , 2015, 104, 11-21.	1.9	130
26	Characterizing the temporal variability and emission patterns of pollution plumes in the Pearl River Delta of China. <i>Atmospheric Environment</i> , 2003, 37, 3539-3550.	1.9	129
27	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 & Technology</i> , 2014, 48, 10769-10775.	4.6	125
28	Regional trend analysis of surface ozone observations from monitoring networks in eastern North America, Europe and East Asia. <i>Elementa</i> , 2017, 5, .	1.1	125
29	Polluted dust promotes new particle formation and growth. <i>Scientific Reports</i> , 2014, 4, 6634.	1.6	121
30	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> , 2016, 121, 2476-2489.	1.2	118
31	The significant contribution of HONO to secondary pollutants during a severe winter pollution event in southern China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1-14.	1.9	109
32	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, .	3.3	108
33	Nitrous acid (HONO) in a polluted subtropical atmosphere: Seasonal variability, direct vehicle emissions and heterogeneous production at ground surface. <i>Atmospheric Environment</i> , 2015, 106, 100-109.	1.9	105
34	Physical characterization of aerosol particles during the Chinese New Year's firework events. <i>Atmospheric Environment</i> , 2010, 44, 5191-5198.	1.9	102
35	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, .	3.3	101
36	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.	1.2	98

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37	Summertime fine particulate nitrate pollution in the North China Plain: increasing trends, formation mechanisms and implications for control policy. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11261-11275.	1.9	98
38	Asian emissions of CO and NO _x : Constraints from aircraft and Chinese station data. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	97
39	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> , 2004, 109, .	3.3	96
40	Role of Water Molecule in the Gas-Phase Formation Process of Nitrated Polycyclic Aromatic Hydrocarbons in the Atmosphere: A Computational Study. <i>Environmental Science & Technology</i> , 2014, 48, 5051-5057.	4.6	93
41	Ambient sulfur dioxide, nitrogen dioxide, and ammonia at ten background and rural sites in China during 2007–2008. <i>Atmospheric Environment</i> , 2010, 44, 2625-2631.	1.9	92
42	Evaluating the uncertainties of thermal catalytic conversion in measuring atmospheric nitrogen dioxide at four differently polluted sites in China. <i>Atmospheric Environment</i> , 2013, 76, 221-226.	1.9	92
43	Fast heterogeneous N ₂ O ₅ uptake and ClNO ₂ production in power plant and industrial plumes observed in the nocturnal residual layer over the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12261-12270.	1.9	92
44	Observations of N ₂ O ₅ and ClNO ₂ at a polluted urban surface site in North China: High N ₂ O ₅ uptake coefficients and low ClNO ₂ product yields. <i>Atmospheric Environment</i> , 2017, 156, 125-134.	1.9	90
45	Characterization of cloud water chemistry at Mount Tai, China: Seasonal variation, anthropogenic impact, and cloud processing. <i>Atmospheric Environment</i> , 2012, 60, 467-476.	1.9	88
46	Anthropogenic Emissions of Hydrogen Chloride and Fine Particulate Chloride in China. <i>Environmental Science & Technology</i> , 2018, 52, 1644-1654.	4.6	88
47	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, .	1.5	87
48	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> , 2016, 121, 3645-3662.	1.2	84
49	Radiative and heterogeneous chemical effects of aerosols on ozone and inorganic aerosols over East Asia. <i>Science of the Total Environment</i> , 2018, 622-623, 1327-1342.	3.9	84
50	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> , 2017, 152, 123-145.	1.9	82
51	On the origin and the trend of acid precipitation in China. <i>Water, Air, and Soil Pollution</i> , 1995, 85, 2295-2300.	1.1	81
52	Aqueous phase sulfate production in clouds in eastern China. <i>Atmospheric Environment</i> , 2012, 62, 502-511.	1.9	80
53	Effectiveness of Home-Based Pulmonary Rehabilitation for Patients with Chronic Obstructive Pulmonary Disease: A Meta-Analysis of Randomized Controlled Trials. <i>Rehabilitation Nursing</i> , 2014, 39, 36-59.	0.3	78
54	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2457-2475.	1.2	78

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55	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> , 2013, 13, 8551-8567.	1.9	77
56	SO ₂ Initiates the Efficient Conversion of NO ₂ to HONO on MgO Surface. <i>Environmental Science & Technology</i> , 2017, 51, 3767-3775.	4.6	76
57	Nitrate formation from heterogeneous uptake of dinitrogen pentoxide during a severe winter haze in southern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17515-17527.	1.9	76
58	Gaseous and particulate air pollution in the Lanzhou Valley, China. <i>Science of the Total Environment</i> , 2004, 320, 163-176.	3.9	74
59	Comparison among filter-based, impactor-based and continuous techniques for measuring atmospheric fine sulfate and nitrate. <i>Atmospheric Environment</i> , 2010, 44, 4396-4403.	1.9	74
60	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science & Technology</i> , 2020, 54, 11048-11057.	4.6	74
61	Formation of secondary organic carbon and cloud impact on carbonaceous aerosols at Mount Tai, North China. <i>Atmospheric Environment</i> , 2012, 46, 516-527.	1.9	73
62	Twenty-Five Years of Lower Tropospheric Ozone Observations in Tropical East Asia: The Influence of Emissions and Weather Patterns. <i>Geophysical Research Letters</i> , 2019, 46, 11463-11470.	1.5	73
63	Continuous observations of water-soluble ions in PM _{2.5} at Mount Tai (1534 a.s.l.) in central-eastern China. <i>Journal of Atmospheric Chemistry</i> , 2009, 64, 107-127.	1.4	71
64	On acid rain formation in China. <i>Atmospheric Environment</i> , 1996, 30, 4091-4093.	1.9	70
65	Measurement of black carbon aerosols near two Chinese megacities and the implications for improving emission inventories. <i>Atmospheric Environment</i> , 2009, 43, 3918-3924.	1.9	69
66	Oxidizing capacity of the rural atmosphere in Hong Kong, Southern China. <i>Science of the Total Environment</i> , 2018, 612, 1114-1122.	3.9	69
67	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> , 2015, 15, 8987-9002.	1.9	68
68	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> , 2017, 100, 1432-1446.	1.0	67
69	Observations of fine particulate nitrated phenols in four sites in northern China: concentrations, source apportionment, and secondary formation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4349-4359.	1.9	67
70	Heterogeneous N ₂ O ₅ uptake coefficient and production yield of ClNO ₂ in polluted northern China: roles of aerosol water content and chemical composition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13155-13171.	1.9	67
71	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> , 2018, 123, 1426-1440.	1.2	66
72	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> , 2003, 108, .	3.3	65

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73	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> , 2019, 19, 6551-6560.	1.9	65
74	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020, 54, 3114-3120.	4.6	65
75	Secondary organic aerosol formed by condensing anthropogenic vapours over China's megacities. <i>Nature Geoscience</i> , 2022, 15, 255-261.	5.4	64
76	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.	1.8	62
77	Ground-level ozone pollution in China: a synthesis of recent findings on influencing factors and impacts. <i>Environmental Research Letters</i> , 2022, 17, 063003.	2.2	62
78	Meteorological and Chemical Characteristics of the Photochemical Ozone Episodes Observed at Cape D'Aguilar in Hong Kong. <i>Journal of Applied Meteorology and Climatology</i> , 1998, 37, 1167-1178.	1.7	61
79	Adverse Events of Auricular Therapy: A Systematic Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-20.	0.5	61
80	Multielemental analysis and characterization of fine aerosols at several key ACE-Asia sites. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	60
81	Development of a chlorine chemistry module for the Master Chemical Mechanism. <i>Geoscientific Model Development</i> , 2015, 8, 3151-3162.	1.3	59
82	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> , 2016, 16, 14875-14890.	1.9	59
83	Formation of secondary organic carbon and long-range transport of carbonaceous aerosols at Mount Heng in South China. <i>Atmospheric Environment</i> , 2012, 63, 203-212.	1.9	58
84	Photochemical smog in China: scientific challenges and implications for air-quality policies. <i>National Science Review</i> , 2016, 3, 401-403.	4.6	58
85	Abundance and origin of fine particulate chloride in continental China. <i>Science of the Total Environment</i> , 2018, 624, 1041-1051.	3.9	58
86	Significantly accelerated PEC degradation of organic pollutant with addition of sulfite and mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 441-449.	10.8	58
87	Measurement and Analysis of a Multiday Photochemical Smog Episode in the Pearl River Delta of China. <i>Journal of Applied Meteorology and Climatology</i> , 2003, 42, 404-416.	1.7	57
88	On the performance of a semi-continuous PM _{2.5} sulphate and nitrate instrument under high loadings of particulate and sulphur dioxide. <i>Atmospheric Environment</i> , 2007, 41, 5442-5451.	1.9	57
89	Changes in global air pollutant emissions during the COVID-19 pandemic: a dataset for atmospheric modeling. <i>Earth System Science Data</i> , 2021, 13, 4191-4206.	3.7	57
90	Particle number size distribution and new particle formation: New characteristics during the special pollution control period in Beijing. <i>Journal of Environmental Sciences</i> , 2012, 24, 14-21.	3.2	56

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91	Atmospheric Peroxides in a Polluted Subtropical Environment: Seasonal Variation, Sources and Sinks, and Importance of Heterogeneous Processes. <i>Environmental Science & Technology</i> , 2014, 48, 1443-1450.	4.6	56
92	Episodic removal of NO _y species from the marine boundary layer over the North Atlantic. <i>Journal of Geophysical Research</i> , 1996, 101, 28947-28960.	3.3	54
93	Presence of high nitryl chloride in Asian coastal environment and its impact on atmospheric photochemistry. <i>Science Bulletin</i> , 2014, 59, 356-359.	1.7	54
94	Chlorine oxidation of VOCs at a semi-rural site in Beijing: significant chlorine liberation from ClNO ₂ and subsequent gas- and particle-phase Cl-C ₂ H ₄ production. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13013-13030.	1.9	54
95	Global Changes in Secondary Atmospheric Pollutants During the 2020 COVID-19 Pandemic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034213.	1.2	54
96	Large daytime signals of N ₂ O ₅ and NO ₃ inferred at 62 amu in a TD-CIMS: chemical interference or a real atmospheric phenomenon?. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1-12.	1.2	53
97	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. <i>Environmental Pollution</i> , 2014, 195, 39-47.	3.7	53
98	Sham Acupressure Controls Used in Randomized Controlled Trials: A Systematic Review and Critique. <i>PLoS ONE</i> , 2015, 10, e0132989.	1.1	53
99	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> , 2016, 23, 9529-9539.	2.7	53
100	Microscopic Observation of Metal-Containing Particles from Chinese Continental Outflow Observed from a Non-Industrial Site. <i>Environmental Science & Technology</i> , 2013, 47, 9124-9131.	4.6	52
101	Impacts of the East Asian monsoon on lower tropospheric ozone over coastal South China. <i>Environmental Research Letters</i> , 2013, 8, 044011.	2.2	52
102	Development and deployment of a cavity enhanced UV-LED spectrometer for measurements of atmospheric HONO and NO ₂ in Hong Kong. <i>Atmospheric Environment</i> , 2014, 95, 544-551.	1.9	50
103	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> , 2005, 57, 124-140.	0.8	49
104	Long-term atmospheric measurements of C ₁ -C ₅ alkyl nitrates in the Pearl River Delta region of southeast China. <i>Atmospheric Environment</i> , 2006, 40, 1619-1632.	1.9	49
105	Carbonyl compounds at Mount Tai in the North China Plain: Characteristics, sources, and effects on ozone formation. <i>Atmospheric Research</i> , 2017, 196, 53-61.	1.8	48
106	The impacts of anthropogenic emissions on the precipitation chemistry at an elevated site in North-eastern China. <i>Atmospheric Environment</i> , 2008, 42, 2959-2970.	1.9	47
107	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.	1.9	44
108	Reactive Nitrogen Chemistry Reshapes the Relationship of Ozone to Its Precursors. <i>Environmental Science & Technology</i> , 2018, 52, 2810-2818.	4.6	44

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109	Diverse response of surface ozone to COVID-19 lockdown in China. <i>Science of the Total Environment</i> , 2021, 789, 147739.	3.9	44
110	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. <i>National Science Review</i> , 2021, 8, nwa304.	4.6	42
111	Gaseous carbonyls in China's atmosphere: Tempo-spatial distributions, sources, photochemical formation, and impact on air quality. <i>Atmospheric Environment</i> , 2019, 214, 116863.	1.9	41
112	Cloud and the corresponding precipitation chemistry in south China: Water-soluble components and pollution transport. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
113	Characteristics and source apportionment of volatile organic compounds (VOCs) at a coastal site in Hong Kong. <i>Science of the Total Environment</i> , 2021, 777, 146241.	3.9	40
114	Characterization of aerosol acidity at a high mountain site in central eastern China. <i>Atmospheric Environment</i> , 2012, 51, 11-20.	1.9	39
115	Photochemical evolution of organic aerosols observed in urban plumes from Hong Kong and the Pearl River Delta of China. <i>Atmospheric Environment</i> , 2014, 88, 219-229.	1.9	39
116	Measurement of gas-phase total peroxides at the summit of Mount Tai in China. <i>Atmospheric Environment</i> , 2009, 43, 1702-1711.	1.9	38
117	Source and variation of carbonaceous aerosols at Mount Tai, North China: Results from a semi-continuous instrument. <i>Atmospheric Environment</i> , 2011, 45, 1655-1667.	1.9	38
118	Auricular therapy for chronic pain management in adults: A synthesis of evidence. <i>Complementary Therapies in Clinical Practice</i> , 2015, 21, 68-78.	0.7	38
119	Fast heterogeneous loss of N ₂ O ₅ leads to significant nighttime NO _x removal and nitrate aerosol formation at a coastal background environment of southern China. <i>Science of the Total Environment</i> , 2019, 677, 637-647.	3.9	38
120	Effects of Anthropogenic Chlorine on PM _{2.5} and Ozone Air Quality in China. <i>Environmental Science & Technology</i> , 2020, 54, 9908-9916.	4.6	38
121	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> , 2017, 67, 797-805.	0.9	36
122	Pathways of conversion of nitrogen oxides by nano TiO ₂ incorporated in cement-based materials. <i>Building and Environment</i> , 2018, 144, 412-418.	3.0	36
123	Regional source apportionment of summertime ozone and its precursors in the megacities of Beijing and Shanghai using a source-oriented chemical transport model. <i>Atmospheric Environment</i> , 2020, 224, 117337.	1.9	36
124	Large conversion rates of NO ₂ to HNO ₂ observed in air masses from the South China Sea: Evidence of strong production at sea surface?. <i>Geophysical Research Letters</i> , 2014, 41, 7710-7715.	1.5	35
125	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> , 2017, 17, 9733-9750.	1.9	35
126	Particle number size distribution and new particle formation (NPF) in Lanzhou, Western China. <i>Particology</i> , 2011, 9, 611-618.	2.0	33

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127	Vertical distributions of non-methane hydrocarbons and halocarbons in the lower troposphere over northeast China. <i>Atmospheric Environment</i> , 2011, 45, 6501-6509.	1.9	33
128	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> , 2019, 691, 101-111.	3.9	33
129	Heterogeneous NO_2 and O_3 reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4367-4378.	1.9	33
130	Aircraft measurements of the vertical distribution of sulfur dioxide and aerosol scattering coefficient in China. <i>Atmospheric Environment</i> , 2010, 44, 278-282.	1.9	32
131	Potential Effect of Halogens on Atmospheric Oxidation and Air Quality in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032058.	1.2	30
132	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> , 2014, 26, 175-180.	3.2	29
133	Current Research Status of Palliative Care in Mainland China. <i>Journal of Palliative Care</i> , 2018, 33, 215-241.	0.4	29
134	Significant production of ClNO_2 and possible source of ClNO_2 from NO_2 and O_3 uptake at a suburban site in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6147-6158.	1.9	29
135	Formation and sink of glyoxal and methylglyoxal in a polluted subtropical environment: observation-based photochemical analysis and impact evaluation. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11451-11467.	1.9	29
136	Receptor modelling using Positive Matrix Factorisation, back trajectories and Radon-222. <i>Atmospheric Environment</i> , 2007, 41, 6823-6837.	1.9	28
137	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> , 2012, 433, 498-506.	3.9	28
138	The effectiveness of DustBubbles on dust control in the process of concrete drilling. <i>Safety Science</i> , 2012, 50, 1284-1289.	2.6	28
139	Nighttime NO loss and ClNO_2 formation in the residual layer of a polluted region: Insights from field measurements and an iterative box model. <i>Science of the Total Environment</i> , 2018, 622-623, 727-734.	3.9	28
140	Atmospheric nitrous acid (HONO) at a rural coastal site in North China: Seasonal variations and effects of biomass burning. <i>Atmospheric Environment</i> , 2020, 229, 117429.	1.9	28
141	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> , 2015, 15, 833-841.	0.9	27
142	Agricultural Fertilization Aggravates Air Pollution by Stimulating Soil Nitrous Acid Emissions at High Soil Moisture. <i>Environmental Science & Technology</i> , 2021, 55, 14556-14566.	4.6	27
143	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> , 2009, 11, 187-192.	2.1	26
144	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> , 2013, 76, 43-51.	1.9	26

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