Severe Surface Ozone Pollution in China: A Global Persp

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Citation Report

#	Article	IF	Citations
1	Lower tropospheric ozone over the North China Plain: variability and trends revealed by IASI satellite observations for 2008â€“2016. Atmospheric Chemistry and Physics, 2018, 18, 16439-16459.	1.9	23
3	Meteorology and Climate Influences on Tropospheric Ozone: a Review of Natural Sources, Chemistry, and Transport Patterns. Current Pollution Reports, 2019, 5, 238-260.	3.1	140
4	Measurement and model analyses of the ozone variation during 2006 to 2015 and its response to emission change in megacity Shanghai, China. Atmospheric Chemistry and Physics, 2019, 19, 9017-9035.	1.9	62
5	Interannual and Decadal Changes in Tropospheric Ozone in China and the Associated Chemistry-Climate Interactions: A Review. Advances in Atmospheric Sciences, 2019, 36, 975-993.	1.9	51
6	Persistent growth of anthropogenic non-methane volatile organic compound (NMVOC) emissions in China during 1990â€“2017: drivers, speciation and ozone formation potential. Atmospheric Chemistry and Physics, 2019, 19, 8897-8913.	1.9	267
7	Exploring 2016â€“2017 surface ozone pollution over China: source contributions and meteorological influences. Atmospheric Chemistry and Physics, 2019, 19, 8339-8361.	1.9	244
9	Influences of planetary boundary layer mixing parameterization on summertime surface ozone concentration and dry deposition over North China. Atmospheric Environment, 2019, 218, 116950.	1.9	19
10	Twentyâ€Five Years of Lower Tropospheric Ozone Observations in Tropical East Asia: The Influence of Emissions and Weather Patterns. Geophysical Research Letters, 2019, 46, 11463-11470.	1.5	73
11	Radiative Forcing and Health Impact of Aerosols and Ozone in China as the Consequence of Clean Air Actions over 2012â€“2017. Geophysical Research Letters, 2019, 46, 12511-12519.	1.5	83
12	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017. Atmospheric Chemistry and Physics, 2019, 19, 12195-12207.	1.9	95
13	Numerical modeling of ozone damage to plants and its effects on atmospheric CO2 in China. Atmospheric Environment, 2019, 217, 116970.	1.9	16
14	Fine particulate matter (PM_{2.5}) trends in China, 2013â€“2018: separating contributions from anthropogenic emissions and meteorology. Atmospheric Chemistry and Physics, 2019, 19, 11031-11041.	1.9	442
16	Comparative Analysis of Long-Term Variation Characteristics of SO2, NO2, and O3 in the Ecological and Economic Zones of the Western Sichuan Plateau, Southwest China. International Journal of Environmental Research and Public Health, 2019, 16, 3265.	1.2	4
17	Photo-cross-linking of Anthracene as a Versatile Strategy to Design Shape Memory Polymers. Materials Today: Proceedings, 2019, 16, 1524-1530.	0.9	6
18	State of the Climate in 2018. Bulletin of the American Meteorological Society, 2019, 100, Si-S306.	1.7	168
19	Ozone pollution in Chinese cities: Assessment of seasonal variation, health effects and economic burden. Environmental Pollution, 2019, 247, 792-801.	3.7	126
20	An evaluation of the ability of the Ozone Monitoring Instrument (OMI) to observe boundary layer ozone pollution across China: application to 2005â€“2017 ozone trends. Atmospheric Chemistry and Physics, 2019, 19, 6551-6560.	1.9	65
21	Primary and secondary sources of ambient formaldehyde in the Yangtze River Delta based on Ozone Mapping and Profiler Suite (OMPS) observations. Atmospheric Chemistry and Physics, 2019, 19, 6717-6736.	1.9	60

#	Article	IF	Citations
24	Evolution of the vertical structure of air pollutants during winter heavy pollution episodes: The role of regional transport and potential sources. Atmospheric Research, 2019, 228, 206-222.	1.8	45
25	Overview on the spatialâ€“temporal characteristics of the ozone formation regime in China. Environmental Sciences: Processes and Impacts, 2019, 21, 916-929.	1.7	91
26	Daytime atmospheric oxidation capacity in four Chinese megacities during the photochemically polluted season: a case study based on box model simulation. Atmospheric Chemistry and Physics, 2019, 19, 3493-3513.	1.9	145
27	Health benefit of air quality improvement in Guangzhou, China: Results from a long time-series analysis (2006â€“2016). Environment International, 2019, 126, 552-559.	4.8	34
29	Impacts of meteorology and emissions on summertime surface ozone increases over central eastern China between 2003 and 2015. Atmospheric Chemistry and Physics, 2019, 19, 1455-1469.	1.9	85
30	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000â€“2016 period. Atmospheric Chemistry and Physics, 2019, 19, 13701-13723.	1.9	52
32	Foreign influences on tropospheric ozone over East Asia through global atmospheric transport. Atmospheric Chemistry and Physics, 2019, 19, 12495-12514.	1.9	16
33	Development and application of observable response indicators for design of an effective ozone and fine-particle pollution control strategy in China. Atmospheric Chemistry and Physics, 2019, 19, 13627-13646.	1.9	33
34	Quantifying the impact of synoptic circulation patterns on ozone variability in northern China from April to October 2013â€“2017. Atmospheric Chemistry and Physics, 2019, 19, 14477-14492.	1.9	61
35	Quantitative impacts of meteorology and precursor emission changes on the long-term trend of ambient ozone over the Pearl River Delta, China, and implications for ozone control strategy. Atmospheric Chemistry and Physics, 2019, 19, 12901-12916.	1.9	73
36	Dominant patterns of summer ozone pollution in eastern China and associated atmospheric circulations. Atmospheric Chemistry and Physics, 2019, 19, 13933-13943.	1.9	43
37	A two-pollutant strategy for improving ozone and particulate air quality in China. Nature Geoscience, 2019, 12, 906-910.	5.4	493
38	Anthropogenic drivers of 2013â€“2017 trends in summer surface ozone in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 422-427.	3.3	990
39	Global changes in the diurnal cycle of surface ozone. Atmospheric Environment, 2019, 199, 323-333.	1.9	53
40	Spatio-temporal evolution of ozone pollution and its influencing factors in the Beijing-Tianjin-Hebei Urban Agglomeration. Environmental Pollution, 2020, 256, 113419.	3.7	75
41	Observed dependence of surface ozone on increasing temperature in Shanghai, China. Atmospheric Environment, 2020, 221, 117108.	1.9	48
42	A WRF-Chem model-based future vehicle emission control policy simulation and assessment for the Beijing-Tianjin-Hebei region, China. Journal of Environmental Management, 2020, 253, 109751.	3.8	35
43	Local and synoptic meteorological influences on daily variability in summertime surface ozone in eastern China. Atmospheric Chemistry and Physics, 2020, 20, 203-222.	1.9	139

#	Article	IF	Citations
44	Interactive effects of ozone exposure and nitrogen addition on tree root traits and biomass allocation pattern: An experimental case study and a literature meta-analysis. Science of the Total Environment, 2020, 710, 136379.	3.9	26
45	Evaluating the effects of surface O3 on three main food crops across China during 2015â€“2018. Environmental Pollution, 2020, 258, 113794.	3.7	48
46	Vertical structure and interaction of ozone and fine particulate matter in spring at Nanjing, China: The role of aerosol's radiation feedback. Atmospheric Environment, 2020, 222, 117162.	1.9	22
47	Impacts of climate anomalies on the interannual and interdecadal variability of autumn and winter haze in North China: A review. International Journal of Climatology, 2020, 40, 4309-4325.	1.5	23
48	Ozone-induced reduction in rice yield is closely related to the response of spikelet density under ozone stress. Science of the Total Environment, 2020, 712, 136560.	3.9	23
49	Spatio-temporal patterns of air pollution in China from 2015 to 2018 and implications for health risks. Environmental Pollution, 2020, 258, 113659.	3.7	125
50	Spatiotemporal characteristics of ozone pollution and policy implications in Northeast China. Atmospheric Pollution Research, 2020, 11, 357-369.	1.8	22
51	Summertime ozone pollution in the Yangtze River Delta of eastern China during 2013â€“2017: Synoptic impacts and source apportionment. Environmental Pollution, 2020, 257, 113631.	3.7	78
52	Environmental impacts of nitrogen emissions in China and the role of policies in emission reduction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190324.	1.6	39
53	Effects of ozone on agriculture, forests and grasslands. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190327.	1.6	63
54	Measurement of ozone deposition velocity onto human surfaces of Chinese residents and estimation of corresponding production of oxidation products. Environmental Pollution, 2020, 266, 115215.	3.7	13
55	An explicit study of local ozone budget and NOx-VOCs sensitivity in Shenzhen China. Atmospheric Environment, 2020, 224, 117304.	1.9	85
56	Role of export industries on ozone pollution and its precursors in China. Nature Communications, 2020, 11, 5492.	5.8	30
57	Estimating Spatiotemporal Variation in Ambient Ozone Exposure during 2013â€“2017 Using a Data-Fusion Model. Environmental Science & Technology, 2020, 54, 14877-14888.	4.6	118
59	Synoptic condition-driven summertime ozone formation regime in Shanghai and the implication for dynamic ozone control strategies. Science of the Total Environment, 2020, 745, 141130.	3.9	12
60	The trend of surface ozone in Beijing from 2013 to 2019: Indications of the persisting strong atmospheric oxidation capacity. Atmospheric Environment, 2020, 242, 117801.	1.9	72
61	Increasing wintertime ozone levels and secondary aerosol formation in the Guanzhong basin, central China. Science of the Total Environment, 2020, 745, 140961.	3.9	28
62	Modulations of synoptic and climatic changes on ozone pollution and its health risks in mountain-basin areas. Atmospheric Environment, 2020, 240, 117808.	1.9	22

#	Article	IF	Citations
63	Comparison of Ozone and PM2.5 Concentrations over Urban, Suburban, and Background Sites in China. Advances in Atmospheric Sciences, 2020, 37, 1297-1309.	1.9	27
64	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. Science Advances, 2020, 6, .	4.7	64
65	Teleconnection between the Asian Polar Vortex and surface PM2.5 in China. Scientific Reports, 2020, 10, 19431.	1.6	2
66	Extending Ozoneâ€Precursor Relationships in China From Peak Concentration to Peak Time. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033670.	1.2	12
68	Ozoneâ€“vegetation feedback through dry deposition and isoprene emissions in aÂglobal chemistryâ€“carbonâ€“climate model. Atmospheric Chemistry and Physics, 2020, 20, 3841-3857.	1.9	18
69	Source apportionment of biogenic and anthropogenic VOCs in Bolu plateau. Science of the Total Environment, 2020, 731, 139201.	3.9	21
70	Aromatic Photo-oxidation, A New Source of Atmospheric Acidity. Environmental Science & Technology, 2020, 54, 7798-7806.	4.6	43
71	Impact of volatile organic compounds and photochemical activities on particulate matters during a high ozone episode at urban, suburb and regional background stations in Beijing. Atmospheric Environment, 2020, 236, 117629.	1.9	16
72	WRF-Chem simulations of ozone pollution and control strategy in petrochemical industrialized and heavily polluted Lanzhou City, Northwestern China. Science of the Total Environment, 2020, 737, 139835.	3.9	30
73	Ozone pollution over China and India: seasonality and sources. Atmospheric Chemistry and Physics, 2020, 20, 4399-4414.	1.9	79
74	Ozone exposure, nitrogen addition and moderate drought dynamically interact to affect isoprene emission in poplar. Science of the Total Environment, 2020, 734, 139368.	3.9	7
75	Spatio-temporal variations and trends of major air pollutants in China during 2015â€“2018. Environmental Science and Pollution Research, 2020, 27, 33792-33808.	2.7	27
76	Real-time source contribution analysis of ambient ozone using an enhanced meta-modeling approach over the Pearl River Delta Region of China. Journal of Environmental Management, 2020, 268, 110650.	3.8	19
78	Worsening urban ozone pollution in China from 2013 to 2017 â€“ PartÂ1: The complex and varying roles of meteorology. Atmospheric Chemistry and Physics, 2020, 20, 6305-6321.	1.9	200
79	Evaluation of NU-WRF model performance on air quality simulation under various model resolutions â€“ an investigation within the framework of MICS-Asia PhaseÂIII. Atmospheric Chemistry and Physics, 2020, 20, 2319-2339.	1.9	14
80	Ozone pollution in the west China rain zone and its adjacent regions, Southwestern China: Concentrations, ecological risk, and Sources. Chemosphere, 2020, 256, 127008.	4.2	16
81	Worsening urban ozone pollution in China from 2013 to 2017 â€“ PartÂ2: The effects of emission changes and implications for multi-pollutant control. Atmospheric Chemistry and Physics, 2020, 20, 6323-6337.	1.9	173
82	Spatiotemporal distributions of surface ozone levels in China from 2005 to 2017: A machine learning approach. Environment International, 2020, 142, 105823.	4.8	122

#	Article	IF	Citations
83	Increasing surface ozone and enhanced secondary organic carbon formation at a city junction site: An epitome of the Yangtze River Delta, China (2014â€“2017). Environmental Pollution, 2020, 265, 114847.	3.7	16
85	Characteristics of Ground-Level Ozone from 2015 to 2018 in BTH Area, China. Atmosphere, 2020, 11, 130.	1.0	14
86	Breathing-rate adjusted population exposure to ozone and its oxidation products in 333 cities in China. Environment International, 2020, 138, 105617.	4.8	27
87	Effects of meteorological conditions and anthropogenic precursors on ground-level ozone concentrations in Chinese cities. Environmental Pollution, 2020, 262, 114366.	3.7	64
88	Rapid Increases in Warm-Season Surface Ozone and Resulting Health Impact in China Since 2013. Environmental Science and Technology Letters, 2020, 7, 240-247.	3.9	255
89	Contrasting trends of PM2.5 and surface-ozone concentrations in China from 2013 to 2017. National Science Review, 2020, 7, 1331-1339.	4.6	284
90	Yield and economic losses in maize caused by ambient ozone in the North China Plain (2014â€“2017). Science of the Total Environment, 2020, 722, 137958.	3.9	26
92	Yield and economic losses of winter wheat and rice due to ozone in the Yangtze River Delta during 2014â€“2019. Science of the Total Environment, 2020, 745, 140847.	3.9	26
93	Nitrogen oxides and ozone in urban air: A review of 50 plus years of progress. Environmental Progress and Sustainable Energy, 2020, 39, e13484.	1.3	21
94	Characteristics of summertime ambient VOCs and their contributions to O3 and SOA formation in a suburban area of Nanjing, China. Atmospheric Research, 2020, 240, 104923.	1.8	73
95	Analysis of wintertime O3 variability using a random forest model and high-frequency observations in Zhangjiakouâ€”an area with background pollution level of the North China Plain. Environmental Pollution, 2020, 262, 114191.	3.7	11
96	An analysis of the effects of weather and air pollution on tropospheric ozone using a generalized additive model in Western China: Lanzhou, Gansu. Atmospheric Environment, 2020, 224, 117342.	1.9	48
97	Estimating Ground-Level Ozone Concentrations in Eastern China Using Satellite-Based Precursors. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4754-4763.	2.7	40
98	Control of both PM2.5 and O3 in Beijing-Tianjin-Hebei and the surrounding areas. Atmospheric Environment, 2020, 224, 117259.	1.9	63
99	Mitigation of ozone damage to the worldâ€™s land ecosystems by source sector. Nature Climate Change, 2020, 10, 134-137.	8.1	44
100	Significant ground-level ozone attributed to lightning-induced nitrogen oxides during summertime over the Mountain West States. Npj Climate and Atmospheric Science, 2020, 3, 6.	2.6	22
101	Consumption of Hydrocarbons and Its Relationship with Ozone Formation in Two Chinese Megacities. Atmosphere, 2020, 11, 326.	1.0	4
102	No Evidence for a Significant Impact of Heterogeneous Chemistry on Radical Concentrations in the North China Plain in Summer 2014. Environmental Science & Technology, 2020, 54, 5973-5979.	4.6	67

#	Article	IF	Citations
103	Impact of afforestation on surface ozone in the North China Plain during the three-decade period. Agricultural and Forest Meteorology, 2020, 287, 107979.	1.9	4
104	Ozone pollution characteristics and sensitivity analysis using an observation-based model in Nanjing, Yangtze River Delta Region of China. Journal of Environmental Sciences, 2020, 93, 13-22.	3.2	60
105	Community-wide Mortality Rates in Beijing, China, During the July 2012 Flood Compared with Unexposed Periods. Epidemiology, 2020, 31, 319-326.	1.2	13
107	Current Challenges in Visibility Improvement in Southern China. Environmental Science and Technology Letters, 2020, 7, 395-401.	3.9	38
108	Evidence of Ozone-Induced Visible Foliar Injury in Hong Kong Using Phaseolus Vulgaris as a Bioindicator. Atmosphere, 2020, 11, 266.	1.0	17
109	Mitigation of PM_{2.5} and ozone pollution in Delhi: a sensitivity study during the pre-monsoon period. Atmospheric Chemistry and Physics, 2020, 20, 499-514.	1.9	52
110	Physiochemistry characteristics and sources of submicron aerosols at the background area of North China Plain: Implication of air pollution control in heating season. Atmospheric Research, 2021, 249, 105291.	1.8	10
111	Avoiding high ozone pollution in Delhi, India. Faraday Discussions, 2021, 226, 502-514.	1.6	42
112	Quantifying the anthropogenic and meteorological influences on summertime surface ozone in China over 2012â€“2017. Science of the Total Environment, 2021, 754, 142394.	3.9	104
113	Assessment of the policy effectiveness of Central Inspections of Environmental Protection on improving air quality in China. Journal of Cleaner Production, 2021, 288, 125100.	4.6	42
114	Ozone reactive compounds measured in skin wipes from Chinese volunteers. Building and Environment, 2021, 188, 107515.	3.0	3
115	Continuous increases of surface ozone and associated premature mortality growth in China during 2015â€“2019. Environmental Pollution, 2021, 269, 116183.	3.7	47
116	Tropospheric Ozone Variability Over Hong Kong Based on Recent 20Âyears (2000â€“2019) Ozonesonde Observation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033054.	1.2	25
117	Rising surface ozone in China from 2013 to 2017: A response to the recent atmospheric warming or pollutant controls?. Atmospheric Environment, 2021, 246, 118130.	1.9	36
118	Policy-driven changes in the health risk of PM2.5 and O3 exposure in China during 2013â€“2018. Science of the Total Environment, 2021, 757, 143775.	3.9	55
119	Recent advances in studies of ozone pollution and impacts in China: A short review. Current Opinion in Environmental Science and Health, 2021, 19, 100225.	2.1	21
120	Stomatal response drives between-species difference in predicted leaf water-use efficiency under elevated ozone. Environmental Pollution, 2021, 269, 116137.	3.7	6
121	A Generic Model to Estimate Ozone Concentration From Landsat 8 Satellite Data Based on Machine Learning Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7938-7947.	2.3	5

#	Article	IF	Citations
122	Regulating oxygen vacancies in ultrathin Î´-MnO₂ nanosheets with superior activity for gaseous ozone decomposition. Environmental Science: Nano, 2021, 8, 1628-1641.	2.2	22
123	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. Geophysical Research Letters, 2021, 48, .	1.5	22
124	Insights into the Reactive and Deactivation Mechanisms of Manganese Oxides for Ozone Elimination: The Roles of Surface Oxygen Species. Langmuir, 2021, 37, 1410-1419.	1.6	28
125	Role of Urban Vegetation. Advances in Public Policy and Administration, 2021, , 231-251.	0.1	0
126	Rapid increase in summer surface ozone over the North China Plain during 2013â€“2019: a side effect of particulate matter reduction control?. Atmospheric Chemistry and Physics, 2021, 21, 1-16.	1.9	56
127	Impact of western Pacific subtropical high on ozone pollution over eastern China. Atmospheric Chemistry and Physics, 2021, 21, 2601-2613.	1.9	30
128	Pollution patterns and their meteorological analysis all over China. Atmospheric Environment, 2021, 246, 118108.	1.9	9
129	Ozone pollution in the North China Plain spreading into the late-winter haze season. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	138
130	A humidity-based exposure index representing ozone damage effects on vegetation. Environmental Research Letters, 2021, 16, 044030.	2.2	12
131	Mapping Yearly Fine Resolution Global Surface Ozone through the Bayesian Maximum Entropy Data Fusion of Observations and Model Output for 1990â€“2017. Environmental Science & Technology, 2021, 55, 4389-4398.	4.6	47
132	Surface Ozone in the Yangtze River Delta, China: A Synthesis of Basic Features, Meteorological Driving Factors, and Health Impacts. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033600.	1.2	24
133	Ozone Decomposition by a Manganese-Organic Framework over the Entire Humidity Range. Journal of the American Chemical Society, 2021, 143, 5150-5157.	6.6	53
134	Spatiotemporal variation, sources, and secondary transformation potential of volatile organic compounds in Xi'an, China. Atmospheric Chemistry and Physics, 2021, 21, 4939-4958.	1.9	52
135	Identification of long-term evolution of ozone sensitivity to precursors based on two-dimensional mutual verification. Science of the Total Environment, 2021, 760, 143401.	3.9	14
136	Real-time tracing VOCs, O3 and PM2.5 emission sources with vehicle-mounted proton transfer reaction mass spectrometry combined differential absorption lidar. Atmospheric Pollution Research, 2021, 12, 146-153.	1.8	8
137	Source Apportionment of Regional Ozone Pollution Observed at Mount Tai, North China: Application of Lagrangian Photochemical Trajectory Model and Implications for Control Policy. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033519.	1.2	7
138	Ozone variability induced by synoptic weather patterns in warm seasons of 2014â€“2018 over the Yangtze River Delta region, China. Atmospheric Chemistry and Physics, 2021, 21, 5847-5864.	1.9	24
139	Significance of carbonyl compounds to photochemical ozone formation in a coastal city (Shantou) in eastern China. Science of the Total Environment, 2021, 764, 144031.	3.9	33

#	Article	IF	Citations
140	Sensitivities of Ozone Air Pollution in the Beijingâ€“Tianjinâ€“Hebei Area to Local and Upwind Precursor Emissions Using Adjoint Modeling. Environmental Science & Technology, 2021, 55, 5752-5762.	4.6	35
141	Stereoscopic Monitoring: A Promising Strategy to Advance Diagnostic and Prediction of Air Pollution. Bulletin of the American Meteorological Society, 2021, 102, E730-E737.	1.7	18
142	Mapping the drivers of formaldehyde (HCHO) variability from 2015 to 2019 over eastern China: insights from Fourier transform infrared observation and GEOS-Chem model simulation. Atmospheric Chemistry and Physics, 2021, 21, 6365-6387.	1.9	20
143	Historical volatile organic compounds emission performance and reduction potentials in Chinaâ€™s petroleum refining industry. Journal of Cleaner Production, 2021, 292, 125810.	4.6	19
144	Long-term trends of surface ozone in Korea. Journal of Cleaner Production, 2021, 294, 125352.	4.6	20
145	Simultaneous observation of atmospheric peroxyacetyl nitrate and ozone in the megacity of Shanghai, China: Regional transport and thermal decomposition. Environmental Pollution, 2021, 274, 116570.	3.7	18
146	Source profiles, emission factors and associated contributions to secondary pollution of volatile organic compounds (VOCs) emitted from a local petroleum refinery in Shandong. Environmental Pollution, 2021, 274, 116589.	3.7	46
147	ROx Budgets and O3 Formation during Summertime at Xianghe Suburban Site in the North China Plain. Advances in Atmospheric Sciences, 2021, 38, 1209-1222.	1.9	8
148	Combining carbon and oxygen isotopic signatures to identify ozone-induced declines in tree water-use efficiency. Tree Physiology, 2021, 41, 2234-2244.	1.4	8
149	Nonlinear responses of foliar phenylpropanoids to increasing O3 exposure: Ecological implications in a Populus model system. Science of the Total Environment, 2021, 767, 144358.	3.9	17
150	Impacts of Meteorology and Emissions on O3 Pollution during 2013â€“2018 and Corresponding Control Strategy for a Typical Industrial City of China. Atmosphere, 2021, 12, 619.	1.0	7
151	Comprehensive Insights Into O₃ Changes During the COVIDâ€19 From O₃ Formation Regime and Atmospheric Oxidation Capacity. Geophysical Research Letters, 2021, 48, e2021GL093668.	1.5	32
153	Long-range transport of ozone across the eastern China seas: A case study in coastal cities in southeastern China. Science of the Total Environment, 2021, 768, 144520.	3.9	34
154	Estimating daily full-coverage near surface O3, CO, and NO2 concentrations at a high spatial resolution over China based on S5P-TROPOMI and GEOS-FP. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 311-325.	4.9	57
155	Impact of Black Carbon on Surface Ozone in the Yangtze River Delta from 2015 to 2018. Atmosphere, 2021, 12, 626.	1.0	2
156	Coordinated control of PM2.5 and O3 is urgently needed in China after implementation of the â€œAir pollution prevention and control action planâ€. Chemosphere, 2021, 270, 129441.	4.2	121
157	Distinct spatiotemporal variation patterns of surface ozone in China due to diverse influential factors. Journal of Environmental Management, 2021, 288, 112368.	3.8	34
158	WRF-GC (v2.0): online two-way coupling of WRF (v3.9.1.1) and GEOS-Chem (v12.7.2) for modeling regional atmospheric chemistryâ€“meteorology interactions. Geoscientific Model Development, 2021, 14, 3741-3768.	1.3	17

#	Article	IF	Citations
159	Assessment of O3-induced crop yield losses in northern China during 2013â€“2018 using high-resolution air quality reanalysis data. Atmospheric Environment, 2021, 259, 118527.	1.9	13
160	Significant contribution of spring northwest transport to volatile organic compounds in Beijing. Journal of Environmental Sciences, 2021, 104, 169-181.	3.2	20
161	Improving satellite-based estimation of surface ozone across China during 2008â€“2019 using iterative random forest model and high-resolution grid meteorological data. Sustainable Cities and Society, 2021, 69, 102807.	5.1	44
162	An unusual high ozone event over the North and Northeast China during the record-breaking summer in 2018. Journal of Environmental Sciences, 2021, 104, 264-276.	3.2	6
163	Performances of a system for free-air ozone concentration elevation with poplar plantation under increased nitrogen deposition. Environmental Science and Pollution Research, 2021, 28, 58298-58309.	2.7	1
164	Impacts of Ozoneâ€Vegetation Interactions on Ozone Pollution Episodes in North China and the Yangtze River Delta. Geophysical Research Letters, 2021, 48, e2021GL093814.	1.5	14
165	Spatiotemporal assessment of health burden and economic losses attributable to short-term exposure to ground-level ozone during 2015â€“2018 in China. BMC Public Health, 2021, 21, 1069.	1.2	16
166	How to apply O3 and PM2.5 collaborative control to practical management in China: A study based on meta-analysis and machine learning. Science of the Total Environment, 2021, 772, 145392.	3.9	30
167	Model analysis of meteorology and emission impacts on springtime surface ozone in Shandong. Science of the Total Environment, 2021, 771, 144784.	3.9	7
168	Unexpected enhancement of ozone exposure and health risks during National Day in China. Atmospheric Chemistry and Physics, 2021, 21, 10347-10356.	1.9	11
169	Long-Term (2003â€“2019) Air Quality, Climate Variables, and Human Health Consequences in Dhaka, Bangladesh. Frontiers in Sustainable Cities, 2021, 3, .	1.2	20
171	APFoam 1.0: integrated computational fluid dynamics simulation of O₃â€“NO_{<i>x</i>} organic compound chemistry and pollutant dispersion in a typical street canyon. Geoscientific Model Development, 2021, 14, 4655-4681.	1.3	5
172	Source profiles and emission factors of VOCs from solvent-based architectural coatings and their contributions to ozone and secondary organic aerosol formation in China. Chemosphere, 2021, 275, 129815.	4.2	36
173	Emission source-based ozone isopleth and isosurface diagrams and their significance in ozone pollution control strategies. Journal of Environmental Sciences, 2021, 105, 138-149.	3.2	6
174	Large scale control of surface ozone by relative humidity observed during warm seasons in China. Environmental Chemistry Letters, 2021, 19, 3981-3989.	8.3	29
175	Emission factors and characteristics of volatile organic compounds (VOCs) from adhesive application in indoor decoration in China. Science of the Total Environment, 2021, 779, 145169.	3.9	26
176	Encapsulate Î±-MnO2 nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. Nature Communications, 2021, 12, 4152.	5.8	106
177	Effect of ozone aging on light absorption and fluorescence of brown carbon in soot particles: The important role of polycyclic aromatic hydrocarbons. Journal of Hazardous Materials, 2021, 413, 125406.	6.5	17

#	Article	IF	Citations
178	Meteorology and topographic influences on nocturnal ozone increase during the summertime over Shaoguan, China. Atmospheric Environment, 2021, 256, 118459.	1.9	22
179	Contrasting chemical environments in summertime for atmospheric ozone across major Chinese industrial regions: the effectiveness of emission control strategies. Atmospheric Chemistry and Physics, 2021, 21, 10689-10706.	1.9	18
180	Atmospheric Impacts of COVID-19 on NOx and VOC Levels over China Based on TROPOMI and IASI Satellite Data and Modeling. Atmosphere, 2021, 12, 946.	1.0	13
181	The underappreciated role of agricultural soil nitrogen oxide emissions in ozone pollution regulation in North China. Nature Communications, 2021, 12, 5021.	5.8	98
182	The reduction in C₂H₆ from 2015 to 2020 over Hefei, eastern China, points to air quality improvement in China. Atmospheric Chemistry and Physics, 2021, 21, 11759-11779.	1.9	12
183	A comparative study to reveal the influence of typhoons on the transport, production and accumulation of O₃ in the Pearl River Delta, China. Atmospheric Chemistry and Physics, 2021, 21, 11593-11612.	1.9	17
184	Use of the PSCF method to analyze the variations of potential sources and transports of NO2, SO2, and HCHO observed by MAX-DOAS in Nanjing, China during 2019. Science of the Total Environment, 2021, 782, 146865.	3.9	18
185	A new approach for health-oriented ozone control strategy: Adjoint-based optimization of NOx emission reductions using metaheuristic algorithms. Journal of Cleaner Production, 2021, 312, 127533.	4.6	8
186	Influence of Meteorological Parameters on the Dynamics of Ozone and Aerosol Particles Near a Road Transport Street. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	2
187	Effects of air pollution control devices on volatile organic compounds reduction in coal-fired power plants. Science of the Total Environment, 2021, 782, 146828.	3.9	30
188	Health impacts attributable to ambient PM2.5 and ozone pollution in major Chinese cities at seasonal-level. Journal of Cleaner Production, 2021, 311, 127510.	4.6	24
189	Meteorology driving the highest ozone level occurred during mid-spring to early summer in Shanghai, China. Science of the Total Environment, 2021, 785, 147253.	3.9	14
190	Distance-to-target weighting factor sets in LCA for China under 2030 vision. Journal of Cleaner Production, 2021, 314, 128010.	4.6	15
191	Estimating daily full-coverage surface ozone concentration using satellite observations and a spatiotemporally embedded deep learning approach. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102356.	1.4	19
192	Vertical Structure of Air Pollutant Transport Flux as Determined by Ground-Based Remote Sensing Observations in Fen-Wei Plain, China. Remote Sensing, 2021, 13, 3664.	1.8	7
193	Quantifying the role of PM2.5 dropping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. Science of the Total Environment, 2021, 788, 147712.	3.9	54
194	Spatiotemporal variation of surface ozone and its causes in Beijing, China since 2014. Atmospheric Environment, 2021, 260, 118556.	1.9	23
195	In situ ozone production is highly sensitive to volatile organic compounds in Delhi, India. Atmospheric Chemistry and Physics, 2021, 21, 13609-13630.	1.9	28

#	Article	IF	Citations
196	Constructing an Air Quality Health Index for children: A case study in Shanghai, China. Atmospheric Environment, 2021, 267, 118765.	1.9	3
197	Large variability of O3-precursor relationship during severe ozone polluted period in an industry-driven cluster city (Zibo) of North China Plain. Journal of Cleaner Production, 2021, 316, 128252.	4.6	16
198	The diurnal cycle of summer tropospheric ozone concentrations across Chinese cities: Spatial patterns and main drivers. Environmental Pollution, 2021, 286, 117547.	3.7	18
199	Research on accounting and detection of volatile organic compounds from a typical petroleum refinery in Hebei, North China. Chemosphere, 2021, 281, 130653.	4.2	17
200	Impact of solar and geomagnetic activities on total column ozone in China. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 223, 105738.	0.6	1
201	Effects of ground-level ozone pollution on yield and economic losses of winter wheat in Henan, China. Atmospheric Environment, 2021, 262, 118654.	1.9	18
202	Diverse response of surface ozone to COVID-19 lockdown in China. Science of the Total Environment, 2021, 789, 147739.	3.9	44
203	Long-term health impacts attributable to PM2.5 and ozone pollution in China's most polluted region during 2015â€“2020. Journal of Cleaner Production, 2021, 321, 128970.	4.6	27
204	Sensitivity of PM2.5 and O3 pollution episodes to meteorological factors over the North China Plain. Science of the Total Environment, 2021, 792, 148474.	3.9	40
205	Double high pollution events in the Yangtze River Delta from 2015 to 2019: Characteristics, trends, and meteorological situations. Science of the Total Environment, 2021, 792, 148349.	3.9	39
206	Important contribution of N2O5 hydrolysis to the daytime nitrate in Xi'an, China during haze periods: Isotopic analysis and WRF-Chem model simulation. Environmental Pollution, 2021, 288, 117712.	3.7	17
207	Opposite impact of emission reduction during the COVID-19 lockdown period on the surface concentrations of PM2.5 and O3 in Wuhan, China. Environmental Pollution, 2021, 289, 117899.	3.7	46
208	Air quality benefits of achieving carbon neutrality in China. Science of the Total Environment, 2021, 795, 148784.	3.9	175
209	Taiwan ozone trend in response to reduced domestic precursors and perennial transboundary influence. Environmental Pollution, 2021, 289, 117883.	3.7	11
210	Spatiotemporal variability and driving factors of ground-level summertime ozone pollution over eastern China. Atmospheric Environment, 2021, 265, 118686.	1.9	14
211	The casual effects of COVID-19 lockdown on air quality and short-term health impacts in China. Environmental Pollution, 2021, 290, 117988.	3.7	16
212	Functional traits of poplar leaves and fine roots responses to ozone pollution under soil nitrogen addition. Journal of Environmental Sciences, 2022, 113, 118-131.	3.2	7
213	Accelerated reduction of air pollutants in China, 2017-2020. Science of the Total Environment, 2022, 803, 150011.	3.9	24

#	Article	IF	Citations
214	Evaluating impacts of biogenic silver nanoparticles and ethylenediurea on wheat (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.7	21
215	Spatiotemporal estimation of hourly 2-km ground-level ozone over China based on Himawari-8 using a self-adaptive geospatially local model. Geoscience Frontiers, 2022, 13, 101286.	4.3	26
216	Atmospheric chemistry in Asia: Need of integrated approach. , 2022, , 55-74.		1
217	A comprehensive investigation on volatile organic compounds (VOCs) in 2018 in Beijing, China: Characteristics, sources and behaviours in response to O3 formation. Science of the Total Environment, 2022, 806, 150247.	3.9	16
218	The impact of COVID-19 control measures on air quality in China. Environmental Research Letters, 2020, 15, 084021.	2.2	69
219	High spatial resolution ozone risk-assessment for Asian forests. Environmental Research Letters, 2020, 15, 104095.	2.2	23
220	Long-term changes of regional ozone in China: implications for human health and ecosystem impacts. Elementa, 2020, 8, .	1.1	48
221	Multi-decadal surface ozone trends at globally distributed remote locations. Elementa, 2020, 8, .	1.1	54
222	Characteristics of Surface Ozone in Five Provincial Capital Cities of China during 2014â€“2015. Atmosphere, 2020, 11, 107.	1.0	6
223	Increases in surface ozone pollution in China from 2013 to 2019: anthropogenic and meteorological influences. Atmospheric Chemistry and Physics, 2020, 20, 11423-11433.	1.9	294
224	Sensitivity analysis of the surface ozone and fine particulate matter to meteorological parameters in China. Atmospheric Chemistry and Physics, 2020, 20, 13455-13466.	1.9	49
225	Ozone affected by a succession of four landfall typhoons in the Yangtze River Delta, China: major processes and health impacts. Atmospheric Chemistry and Physics, 2020, 20, 13781-13799.	1.9	21
226	A measurement and model study on ozone characteristics in marine air at a remote island station and its interaction with urban ozone air quality in Shanghai, China. Atmospheric Chemistry and Physics, 2020, 20, 14361-14375.	1.9	7
227	Exploring the drivers of the increased ozone production in Beijing in summertime during 2005â€“2016. Atmospheric Chemistry and Physics, 2020, 20, 15617-15633.	1.9	48
228	Air quality improvement during triple-lockdown in the coastal city of Kannur, Kerala to combat Covid-19 transmission. PeerJ, 2020, 8, e9642.	0.9	32
229	Satellite Remote Sensing of Daily Surface Ozone in a Mountainous Area. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
230	Ambient Ozone, PM1 and Female Lung Cancer Incidence in 436 Chinese Counties. International Journal of Environmental Research and Public Health, 2021, 18, 10386.	1.2	12
231	Trend reversal from source region to remote tropospheric NO2 columns. Environmental Science and Pollution Research, 2021, 29, 15763.	2.7	0

#	Article	IF	Citations
232	Soil <scp>pH</scp> drives poplar rhizosphere soil microbial community responses to ozone pollution and nitrogen addition. European Journal of Soil Science, 2022, 73, .	1.8	9
233	Whole-plant compensatory responses of isoprene emission from hybrid poplar seedlings exposed to elevated ozone. Science of the Total Environment, 2022, 806, 150949.	3.9	7
234	Contribution of Atmospheric Reactive Nitrogen to Ozone Pollution in China. , 2020, , 135-154.		0
236	Observation-Based Modeling of O3â€“Precursor Relationships in Nanjing, China. Journal of Environmental Science and Engineering Technology, 2020, 8, 92-10.	0.1	1
237	Impacts of emission changes in China from 2010 to 2017 on domestic and intercontinental air quality and health effect. Atmospheric Chemistry and Physics, 2021, 21, 16051-16065.	1.9	9
238	Recent ozone trends in the Chinese free troposphere: role of the local emission reductions and meteorology. Atmospheric Chemistry and Physics, 2021, 21, 16001-16025.	1.9	10
239	When a Generalized Linear Model Meets Bayesian Maximum Entropy: A Novel Spatiotemporal Ground-Level Ozone Concentration Retrieval Method. Remote Sensing, 2021, 13, 4324.	1.8	4
240	Tower-based measurements of NMHCs and OVOCs in the Pearl River Delta: Vertical distribution, source analysis and chemical reactivity. Environmental Pollution, 2022, 292, 118454.	3.7	15
241	Quantifying the interactive effects of meteorological, socioeconomic, and pollutant factors on summertime ozone pollution in China during the implementation of two important policies. Atmospheric Pollution Research, 2021, 12, 101248.	1.8	10
242	The impacts of urban structure on PM2.5 pollution depend on city size and location. Environmental Pollution, 2022, 292, 118302.	3.7	30
243	Responses of surface O3 and PM2.5 trends to changes of anthropogenic emissions in summer over Beijing during 2014â€“2019: A study based on multiple linear regression and WRF-Chem. Science of the Total Environment, 2022, 807, 150792.	3.9	31
244	Long-term trend of new particle formation events in the Yangtze River Delta, China and its influencing factors: 7-year dataset analysis. Science of the Total Environment, 2022, 807, 150783.	3.9	6
245	Characteristics of Dry/Wet Heat Wave and Related Air Pollution over the Yangtze River Delta in Summer. Climate Change Research Letters, 2020, 09, 135-153.	0.0	0
246	Urban nitrogen budgets: flows and stock changes of potentially polluting nitrogen compounds in cities and their surroundings â€“ a review. Journal of Integrative Environmental Sciences, 2020, 17, 57-71.	1.0	6
248	Diagnostic analysis of regional ozone pollution in Yangtze River Delta, China: A case study in summer 2020. Science of the Total Environment, 2022, 812, 151511.	3.9	20
249	Surface ozone interannual variability, trends, and extremes in CCMI models. Atmospheric Environment, 2022, 269, 118841.	1.9	3
250	The temporal and spatial distribution of the correlation between PM_{2.5} and O₃ contractions in the urban atmosphere of China. Chinese Science Bulletin, 2022, 67, 2008-2017.	0.4	4
251	On-road mileage-based emission factors of gaseous pollutants from bi-fuel taxi fleets in China: The influence of fuel type, vehicle speed, and accumulated mileage. Science of the Total Environment, 2022, 819, 151999.	3.9	9

#	Article	IF	Citations
252	The Characteristics of Heavy Ozone Pollution Episodes and Identification of the Primary Driving Factors Using a Generalized Additive Model (GAM) in an Industrial Megacity of Northern China. Atmosphere, 2021, 12, 1517.	1.0	2
253	Positive and negative influences of typhoons on tropospheric ozone over southern China. Atmospheric Chemistry and Physics, 2021, 21, 16911-16923.	1.9	8
254	Exploring the Change in PM2.5 and Ozone Concentrations Caused by Aerosolâ€“Radiation Interactions and Aerosolâ€“Cloud Interactions and the Relationship with Meteorological Factors. Atmosphere, 2021, 12, 1585.	1.0	2
255	Unprecedented decline in summertime surface ozone over eastern China in 2020 comparably attributable to anthropogenic emission reductions and meteorology. Environmental Research Letters, 2021, 16, 124069.	2.2	35
256	Full-coverage mapping and spatiotemporal variations of ground-level ozone (O3) pollution from 2013 to 2020 across China. Remote Sensing of Environment, 2022, 270, 112775.	4.6	174
257	Ozone control strategies for local formation- and regional transport-dominant scenarios in a manufacturing city in southern China. Science of the Total Environment, 2022, 813, 151883.	3.9	14
258	Evaporation process dominates vehicular NMVOC emissions in China with enlarged contribution from 1990 to 2016. Environmental Research Letters, 2021, 16, 124036.	2.2	4
259	Study of Surface Ozone over an American Station for a Period of 3.5 Decade. American Journal of Climate Change, 2021, 10, 422-432.	0.5	0
260	Historically Understanding the Spatial Distributions of Particle Surface Area Concentrations Over China Estimated Using a Non-Parametric Machine Learning Method. SSRN Electronic Journal, 0, , .	0.4	0
261	Observational Study of Ground-Level Ozone in the Desert Atmosphere. Bulletin of Environmental Contamination and Toxicology, 2022, 108, 219-224.	1.3	2
262	Can supervision of governance reduce ozone pollution? An empirical study in China. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	0
263	Long-Term Change Analysis of PM2.5 and Ozone Pollution in Chinaâ€™s Most Polluted Region during 2015â€“2020. Atmosphere, 2022, 13, 104.	1.0	9
264	Observation based study on atmospheric oxidation capacity in Shanghai during late-autumn: Contribution from nitryl chloride. Atmospheric Environment, 2022, 271, 118902.	1.9	8
265	How will window opening change under global warming: A study for China residence. Building and Environment, 2022, 209, 108672.	3.0	7
266	Cropland nitrogen dioxide emissions and effects on the ozone pollution in the North China plain. Environmental Pollution, 2022, 294, 118617.	3.7	14
267	Aerosol optical properties and their impacts on the coâ€“occurrence of surface ozone and particulate matter in Kunming City, on the Yunnanâ€“Guizhou Plateau of China. Atmospheric Research, 2022, 266, 105963.	1.8	14
268	Effects of ozoneâ€“vegetation interactions on meteorology and air quality in China using a two-way coupled landâ€“atmosphere model. Atmospheric Chemistry and Physics, 2022, 22, 765-782.	1.9	7
269	Seasonal Variations of the Mercury Multiple Isotopic Compositions of Subrural and Urban Aerosols Highlight an Additional Atmospheric Hg0 Oxidation Pathway. Frontiers in Environmental Science, 2022, 9, .	1.5	5

#	Article	IF	Citations
270	Ozone pollution threatens the production of major staple crops in East Asia. Nature Food, 2022, 3, 47-56.	6.2	93
271	Land use and anthropogenic heat modulate ozone by meteorology: a perspective from the Yangtze River Delta region. Atmospheric Chemistry and Physics, 2022, 22, 1351-1371.	1.9	23
272	Volatile organic compounds in wintertime North China Plain: Insights from measurements of proton transfer reaction time-of-flight mass spectrometer (PTR-ToF-MS). Journal of Environmental Sciences, 2022, 114, 98-114.	3.2	10
273	Rural vehicle emission as an important driver for the variations of summertime tropospheric ozone in the Beijing-Tianjin-Hebei region during 2014â€“2019. Journal of Environmental Sciences, 2022, 114, 126-135.	3.2	6
275	Machine learning and theoretical analysis release the non-linear relationship among ozone, secondary organic aerosol and volatile organic compounds. Journal of Environmental Sciences, 2022, 114, 75-84.	3.2	12
276	Amplified Upward Trend of the Joint Occurrences of Heat and Ozone Extremes in China over 2013â€“20. Bulletin of the American Meteorological Society, 2022, 103, E1330-E1342.	1.7	10
277	Typhoon-boosted biogenic emission aggravates cross-regional ozone pollution in China. Science Advances, 2022, 8, eabl6166.	4.7	22
278	Short-term exposure to ambient ozone associated with cardiac arrhythmias in healthy adults. Global Health Journal (Amsterdam, Netherlands), 2022, 6, 6-18.	1.9	3
279	Suppression of Ozone Formation at High Temperature in China: From Historical Observations to Future Projections. Geophysical Research Letters, 2022, 49, .	1.5	5
280	A New Index Developed for Fast Diagnosis of Meteorological Roles in Ground-Level Ozone Variations. Advances in Atmospheric Sciences, 2022, 39, 403-414.	1.9	4
281	Atmospheric environment monitoring technology and equipment in China: A review and outlook. Journal of Environmental Sciences, 2023, 123, 41-53.	3.2	3
282	Quantifying ecological and health risks of ground-level O3 across China during the implementation of the â€œThree-year Action Plan for Cleaner Airâ€• Science of the Total Environment, 2022, 817, 153011.	3.9	18
283	The transition from a nitrogen oxides-limited regime to a volatile organic compounds-limited regime in the petrochemical industrialized Lanzhou City, China. Atmospheric Research, 2022, 269, 106035.	1.8	7
284	MAX-DOAS observation in the midlatitude marine boundary layer: Influences of typhoon forced air mass. Journal of Environmental Sciences, 2022, 120, 63-73.	3.2	5
285	Enhanced photocatalytic removal of ozone by a new chlorine-radical-mediated strategy. Applied Catalysis B: Environmental, 2022, 306, 121130.	10.8	12
286	Stereoscopic hyperspectral remote sensing of the atmospheric environment: Innovation and prospects. Earth-Science Reviews, 2022, 226, 103958.	4.0	19
287	The drivers and health risks of unexpected surface ozone enhancements over the Sichuan Basin, China, in 2020. Atmospheric Chemistry and Physics, 2021, 21, 18589-18608.	1.9	12
288	ENSO modulation of summertime tropospheric ozone over China. Environmental Research Letters, 2022, 17, 034020.	2.2	20

#	Article	IF	Citations
289	Spatioâ€Temporal Hourly and Daily Ozone Forecasting in China Using a Hybrid Machine Learning Model: Autoencoder and Generative Adversarial Networks. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	14
290	Cross-tropopause transport of surface pollutants during the Beijing July 21 deep convection event. Journals of the Atmospheric Sciences, 2022, , .	0.6	1
291	Atmospheric oxidation capacity and ozone pollution mechanism in a coastal city of southeastern China: analysis of a typical photochemical episode by an observation-based model. Atmospheric Chemistry and Physics, 2022, 22, 2173-2190.	1.9	37
292	Long-Term Observations of Atmospheric Constituents at the First Ground-Based High-Resolution Fourier-Transform Spectrometry Observation Station in China. Engineering, 2023, 22, 201-214.	3.2	5
293	Surface ozone impacts on major crop production in China from 2010 to 2017. Atmospheric Chemistry and Physics, 2022, 22, 2625-2638.	1.9	17
294	Analysis of Long-term Variation Trends of Ozone in the Past 20 Years and Recent High Concentration Cases on Jeju Island. Journal of Korean Society for Atmospheric Environment, 2022, 38, 138-158.	0.2	2
295	Impacts of strong El NiÃ±o on summertime near-surface ozone over China. Atmospheric and Oceanic Science Letters, 2022, , 100193.	0.5	4
296	Multi-Year Variation of Ozone and Particulate Matter in Northeast China Based on the Tracking Air Pollution in China (TAP) Data. International Journal of Environmental Research and Public Health, 2022, 19, 3830.	1.2	12
297	Decade-long trends in chemical component properties of PM2.5 in Beijing, China (2011â^'2020). Science of the Total Environment, 2022, 832, 154664.	3.9	18
298	Tropospheric Ozone Perturbations Induced by Urban Land Expansion in China from 1980 to 2017. Environmental Science & Technology, 2022, 56, 6978-6987.	4.6	4
299	Increase in daytime ozone exposure due to nighttime accumulation in a typical city in eastern China during 2014â€“2020. Atmospheric Pollution Research, 2022, 13, 101387.	1.8	6
300	Improved ozone simulation in East Asia via assimilating observations from the first geostationary air-quality monitoring satellite: Insights from an Observing System Simulation Experiment. Atmospheric Environment, 2022, 274, 119003.	1.9	5
301	Response of Summer Ozone to Precursor Emission Controls in the Yangtze River Delta Region. Frontiers in Environmental Science, 2022, 10, .	1.5	4
302	Assessment of background ozone concentrations in China and implications for using region-specific volatile organic compounds emission abatement to mitigate air pollution. Environmental Pollution, 2022, 305, 119254.	3.7	6
303	High atmospheric oxidation capacity drives wintertime nitrate pollution in the eastern Yangtze River Delta of China. Atmospheric Chemistry and Physics, 2022, 22, 4355-4374.	1.9	23
304	Decadal changes in ozone in the lower boundary layer over Beijing, China. Atmospheric Environment, 2022, 275, 119018.	1.9	11
305	Local production, downward and regional transport aggravated surface ozone pollution during the historical orange-alert large-scale ozone episode in eastern China. Environmental Chemistry Letters, 2022, 20, 1577-1588.	8.3	19
306	Atmospheric volatile organic compounds levels in furniture-manufacturing city in Turkey. Urban Climate, 2022, 43, 101163.	2.4	3

#	Article	IF	Citations
307	Inferring vertical variability and diurnal evolution of O3 formation sensitivity based on the vertical distribution of summertime HCHO and NO2 in Guangzhou, China. Science of the Total Environment, 2022, 827, 154045.	3.9	26
308	Historically understanding the spatial distributions of particle surface area concentrations over China estimated using a non-parametric machine learning method. Science of the Total Environment, 2022, 824, 153849.	3.9	2
309	Multi-scale analysis of the impacts of meteorology and emissions on PM2.5 and O3 trends at various regions in China from 2013 to 2020 2. Key weather elements and emissions. Science of the Total Environment, 2022, 824, 153847.	3.9	42
310	OMI formaldehyde column constrained emissions of reactive volatile organic compounds over the Pearl River Delta region of China. Science of the Total Environment, 2022, 826, 154121.	3.9	3
311	Ozone-related Co-benefits of China's Climate mitigation Policy. Resources, Conservation and Recycling, 2022, 182, 106288.	5.3	6
312	Atmospheric transport drives regional interactions of ozone pollution in China. Science of the Total Environment, 2022, 830, 154634.	3.9	26
313	Synergistic effects of biogenic volatile organic compounds and soil nitric oxide emissions on summertime ozone formation in China. Science of the Total Environment, 2022, 828, 154218.	3.9	8
314	Spatial characteristics of VOCs and their ozone and secondary organic aerosol formation potentials in autumn and winter in the Guanzhong Plain, China. Environmental Research, 2022, 211, 113036.	3.7	20
315	2015–2050å¹´å•–äºšä¸Žä¸œå•–äºšè¾“é€å¯¹ä¸›å›½å§””è‡‡°§æµ“åº¦çš„å½±å“• . Chinese Science Bulletin, 2021	1.4	3
316	Characteristics of Volatile Organic Compounds in the Pearl River Delta Region, China: Chemical Reactivity, Source, and Emission Regions. Atmosphere, 2022, 13, 9.	1.0	7
319	Radiative Effects of Particular Matters on Ozone Pollution in Six North China Cities. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	1.2	3
320	Observation-Based Estimations of Relative Ozone Impacts by Using Volatile Organic Compounds Reactivities. Environmental Science and Technology Letters, 2022, 9, 10-15.	3.9	10
322	Amine-free CO₂-switchable hydrophilicity solvents and their application in extractions and polymer recycling. Green Chemistry, 2022, 24, 3704-3716.	4.6	8
323	éžä¼é€’æ€§ç«žäº‰åœ¨ç‰©©ç§å…±å¯¿ä¸çš„ä½œç”¨. Chinese Science Bulletin, 2022, , .	0.4	0
324	North China Plain as a hot spot of ozone pollution exacerbated by extreme high temperatures. Atmospheric Chemistry and Physics, 2022, 22, 4705-4719.	1.9	29
325	Elevated Formation of Particulate Nitrate From N₂O₅ Hydrolysis in the Yangtze River Delta Region From 2011 to 2019. Geophysical Research Letters, 2022, 49, .	1.5	20
326	Long time series ozone prediction in China: A novel dynamic spatiotemporal deep learning approach. Building and Environment, 2022, 218, 109087.	3.0	7
327	Cohort-based long-term ozone exposure-associated mortality risks with adjusted metrics: A systematic review and meta-analysis. Innovation(China), 2022, 3, 100246.	5.2	10

#	Article	IF	Citations
328	Mitigation of air pollutant impacts on rice yields in China by sector. Environmental Research Letters, 2022, 17, 054037.	2.2	5
329	Impact of synoptic climate system interaction on surface ozone in China during 1950â€“2014. Atmospheric Environment, 2022, 279, 119126.	1.9	3
330	Evaluating the real changes of air quality due to clean air actions using a machine learning technique: Results from 12 Chinese mega-cities during 2013â€“2020. Chemosphere, 2022, 300, 134608.	4.2	14
331	Ground-level ozone pollution in China: a synthesis of recent findings on influencing factors and impacts. Environmental Research Letters, 2022, 17, 063003.	2.2	62
332	Spatiotemporal variations of air pollutants and ozone prediction using machine learning algorithms in the Beijing-Tianjin-Hebei region from 2014 to 2021. Environmental Pollution, 2022, 306, 119420.	3.7	29
333	Modification of manganese oxides for enhancing ozone catalytic decomposition under moist conditions. Applied Catalysis A: General, 2022, 640, 118659.	2.2	7
334	Implications for ozone control by understanding the survivor bias in observed ozone-volatile organic compounds system. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	21
335	Mitigating Chinaâ€™s Ozone Pollution with More Balanced Health Benefits. Environmental Science & Technology, 2022, 56, 7647-7656.	4.6	7
336	A Time-Series Study for Effects of Ozone on Respiratory Mortality and Cardiovascular Mortality in Nanchang, Jiangxi Province, China. Frontiers in Public Health, 2022, 10, 864537.	1.3	5
337	åŠå¼ºO3å'ŒPM2.5åœ¨æŽ§åˆ¶ï¼Œæ"¹å–„æ˜›å›½çŽ¯å¢ƒç©ºæ°"è´¨é‡ Chinese Science Bulletin, 2022, , .	0.4	0
338	Clusterâ€Enhanced Ensemble Learning for Mapping Global Monthly Surface Ozone From 2003 to 2019. Geophysical Research Letters, 2022, 49, .	1.5	10
339	Ozone Decomposition below Room Temperature Using Mn-based Mullite YMn₂O₅. Environmental Science & Technology, 2022, 56, 8746-8755.	4.6	19
340	OH and HO₂ radical chemistry at a suburban site during the EXPLORE-YRD campaign in 2018. Atmospheric Chemistry and Physics, 2022, 22, 7005-7028.	1.9	19
341	Fast climate responses to emission reductions in aerosol and ozone precursors in China during 2013â€“2017. Atmospheric Chemistry and Physics, 2022, 22, 7131-7142.	1.9	13
342	Future Coâ€Occurrences of Hot Days and Ozoneâ€Polluted Days Over China Under Scenarios of Shared Socioeconomic Pathways Predicted Through a Machineâ€Learning Approach. Earth's Future, 2022, 10, .	2.4	6
343	Joint increase of aerosol scattering efficiency and aerosol hygroscopicity aggravate visibility impairment in the North China Plain. Science of the Total Environment, 2022, 839, 156279.	3.9	6
344	Variability of PM2.5 and O3 concentrations and their driving forces over Chinese megacities during 2018-2020. Journal of Environmental Sciences, 2023, 124, 1-10.	3.2	36
345	Atmospheric oxidizing capacity in autumn Beijing: Analysis of the O3 and PM2.5 episodes based on observation-based model. Journal of Environmental Sciences, 2023, 124, 557-569.	3.2	17

#	Article	IF	Citations
346	Transport of substantial stratospheric ozone to the surface by a dying typhoon and shallow convection. Atmospheric Chemistry and Physics, 2022, 22, 8221-8240.	1.9	4
347	Spatiotemporal Variations in Summertime Ground-Level Ozone around Gasoline Stations in Shenzhen between 2014 and 2020. Sustainability, 2022, 14, 7289.	1.6	0
348	Exploring drivers of the aggravated surface O3 over North China Plain in summer of 2015â€“2019: Aerosols, precursors, and meteorology. Journal of Environmental Sciences, 2023, 127, 453-464.	3.2	10
349	Greenificated Molecularly Imprinted Materials for Advanced Applications. Advanced Materials, 2022, 34, .	11.1	140
350	Weakened Haze Mitigation Induced by Enhanced Aging of Black Carbon in China. Environmental Science & Technology, 2022, 56, 7629-7636.	4.6	11
351	Unexpected response of nitrogen deposition to nitrogen oxide controls and implications for land carbon sink. Nature Communications, 2022, 13, .	5.8	10
352	Long-Term Variations of Meteorological and Precursor Influences on Ground Ozone Concentrations in Jinan, North China Plain, from 2010 to 2020. Atmosphere, 2022, 13, 994.	1.0	2
353	Long-term trends and affecting factors in the concentrations of criteria air pollutants in South Korea. Journal of Environmental Management, 2022, 317, 115458.	3.8	7
354	Species profiles, in-situ photochemistry and health risk of volatile organic compounds in the gasoline service station in China. Science of the Total Environment, 2022, 842, 156813.	3.9	7
355	Trends in Ozone Concentration and Attributable Mortality for Urban, Peri-Urban and Rural Areas Worldwide between 2000 and 2019: Estimates from Global Datasets. SSRN Electronic Journal, 0, , .	0.4	2
356	Does Technological Innovation Curb O3 Pollution? Evidence from Three Major Regions in China. International Journal of Environmental Research and Public Health, 2022, 19, 7743.	1.2	1
358	Impacts of TROPOMI-Derived NO_X Emissions on NO₂ and O₃ Simulations in the NCP during COVID-19. ACS Environmental Au, 2022, 2, 441-454.	3.3	2
359	Influence of circulation types on temporal and spatial variations of ozone in Beijing. Journal of Environmental Sciences, 2023, 130, 37-51.	3.2	4
360	Budget of nitrous acid (HONO) at an urban site in the fall season of Guangzhou, China. Atmospheric Chemistry and Physics, 2022, 22, 8951-8971.	1.9	12
361	Joint impacts of ozone pollution and climate change on yields of Chinese winter wheat. Atmospheric Pollution Research, 2022, 13, 101509.	1.8	3
362	Long-term trend of ozone pollution in China during 2014â€“2020: distinct seasonal and spatial characteristics and ozone sensitivity. Atmospheric Chemistry and Physics, 2022, 22, 8935-8949.	1.9	43
363	Spatial-Temporal Distribution and Variation of NO2 and Its Sources and Chemical Sinks in Shanxi Province, China. Atmosphere, 2022, 13, 1096.	1.0	4
364	Air pollution and plant health response-current status and future directions. Atmospheric Pollution Research, 2022, 13, 101508.	1.8	11

#	Article	IF	Citations
365	Ground-level ozone estimation based on geo-intelligent machine learning by fusing in-situ observations, remote sensing data, and model simulation data. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102955.	0.9	4
366	Impact of a subtropical high and a typhoon on a severe ozone pollution episode in the Pearl River Delta, China. Atmospheric Chemistry and Physics, 2022, 22, 10751-10767.	1.9	20
367	Catalytic ozone decomposition and adsorptive VOCs removal in bimetallic metal-organic frameworks. Nature Communications, 2022, 13, .	5.8	66
368	Fate of Oxygenated Volatile Organic Compounds in the Yangtze River Delta Region: Source Contributions and Impacts on the Atmospheric Oxidation Capacity. Environmental Science & Technology, 2022, 56, 11212-11224.	4.6	10
369	Spatiotemporal Variation in Ground Level Ozone and Its Driving Factors: A Comparative Study of Coastal and Inland Cities in Eastern China. International Journal of Environmental Research and Public Health, 2022, 19, 9687.	1.2	2
370	Influences of stratospheric intrusions to high summer surface ozone over a heavily industrialized region in northern China. Environmental Research Letters, 0, , .	2.2	5
371	Plants and related carbon cycling under elevated ground-level ozone: A mini review. Applied Geochemistry, 2022, 144, 105400.	1.4	8
372	Anatomization of air quality prediction using neural networks, regression and hybrid models. Journal of Cleaner Production, 2022, 369, 133383.	4.6	7
373	Observed sensitivities of PM2.5 and O3 extremes to meteorological conditions in China and implications for the future. Environment International, 2022, 168, 107428.	4.8	16
374	Mycorrhizal symbiosis and water condition affect ozone sensitivity of Medicago sativa L. by mediating stomatal conductance. Environmental and Experimental Botany, 2022, 202, 105037.	2.0	3
375	Dramatic changes in aerosol composition during the 2016â€“2020 heating seasons in Beijingâ€“Tianjinâ€“Hebei region and its surrounding areas: The role of primary pollutants and secondary aerosol formation. Science of the Total Environment, 2022, 849, 157621.	3.9	10
376	Temperature modulation of adverse consequences of ozone exposure on cardiovascular mortality: A study of multiple cities in China. Atmospheric Environment, 2022, 288, 119272.	1.9	4
377	Application of data assimilation technology in source apportionment of PM2.5 during winter haze episodes in the Beijing-Tianjin-Hebei region in China. Atmospheric Pollution Research, 2022, 13, 101546.	1.8	3
378	Explainable and spatial dependence deep learning model for satellite-based O3 monitoring in China. Atmospheric Environment, 2022, 290, 119370.	1.9	10
379	Which aerosol type dominate the impact of aerosols on ozone via changing photolysis rates?. Science of the Total Environment, 2023, 854, 158580.	3.9	3
380	Tracking long-term population exposure risks to PM2.5 and ozone in urban agglomerations of China 2015â€“2021. Science of the Total Environment, 2023, 854, 158599.	3.9	11
381	Characteristics, Ozone and Soa Formation Potentials and Health Risk Assessment of Vocs in Hair Cosmetic Products (Hcps) in Beijing. SSRN Electronic Journal, 0, , .	0.4	0
382	VOC emission caps constrained by air quality targets based on response surface model: A case study in the Pearl River Delta Region, China. Journal of Environmental Sciences, 2023, 123, 430-445.	3.2	3

#	Article	IF	Citations
383	Does Ozone Pollution Share the Same Formation Mechanisms in the Bay Areas of China?. Environmental Science & Technology, 2022, 56, 14326-14337.	4.6	9
384	Elucidating Contributions of Anthropogenic Volatile Organic Compounds and Particulate Matter to Ozone Trends over China. Environmental Science & Technology, 2022, 56, 12906-12916.	4.6	30
385	Spatiotemporal Variation, Driving Mechanism and Predictive Study of Total Column Ozone: A Case Study in the Yangtze River Delta Urban Agglomerations. Remote Sensing, 2022, 14, 4576.	1.8	1
386	Satellite-derived estimates of surface ozone by LESO: Extended application and performance evaluation. International Journal of Applied Earth Observation and Geoinformation, 2022, 113, 103008.	0.9	2
387	Historical transboundary ozone health impact linked to affluence. Environmental Research Letters, 2022, 17, 104014.	2.2	1
388	Ozone Pollution and Its Response to Nitrogen Dioxide Change from a Dense Ground-Based Network in the Yangtze River Delta: Implications for Ozone Abatement in Urban Agglomeration. Atmosphere, 2022, 13, 1450.	1.0	5
389	Association analysis between socioeconomic factors and urban ozone pollution in China. Environmental Science and Pollution Research, 2023, 30, 17597-17611.	2.7	3
390	Worsening ozone air pollution with reduced NO and VOCs in the Pearl River Delta region in autumn 2019: Implications for national control policy in China. Journal of Environmental Management, 2022, 324, 116327.	3.8	19
391	Measuring the impact of surface ozone on rice production in China: a normalized profit function approach. China Agricultural Economic Review, 2022, 15, 159.	1.8	0
392	Highly efficient removal of ozone by amorphous manganese oxides synthesized with a simple hydrothermal method. Journal of Environmental Sciences, 2023, 134, 96-107.	3.2	3
393	The Influence of Synoptic Weather Patterns on Spatiotemporal Characteristics of Ozone Pollution Across Pearl River Delta of Southern China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	8
394	Deep cut of anthropogenic nitrogen oxides emissions to mitigate ozone vegetation damages in China. Atmospheric Environment, 2023, 293, 119454.	1.9	2
395	Performance and application of air quality models on ozone simulation in China â€“ A review. Atmospheric Environment, 2023, 293, 119446.	1.9	15
396	Characteristics and sources of ambient Volatile Organic Compounds (VOCs) at a regional background site, YRD region, China: Significant influence of solvent evaporation during hot months. Science of the Total Environment, 2023, 857, 159674.	3.9	9
397	Characteristics, sources of volatile organic compounds, and their contributions to secondary air pollution during different periods in Beijing, China. Science of the Total Environment, 2023, 858, 159831.	3.9	9
398	Increases in ozone-related mortality in China over 2013â€“2030 attributed to historical ozone deterioration and future population aging. Science of the Total Environment, 2023, 858, 159972.	3.9	4
399	Increased diurnal difference of NO2 concentrations and its impact on recent ozone pollution in eastern China in summer. Science of the Total Environment, 2023, 858, 159767.	3.9	9
400	Causal effects of air pollution on mental health among Adultsâ€”â€”An exploration of susceptible populations and the role of physical activity based on a longitudinal nationwide cohort in China. Environmental Research, 2023, 217, 114761.	3.7	11

#	Article	IF	Citations
401	Developing the Maximum Incremental Reactivity for Volatile Organic Compounds in Major Cities of Centralâ€Eastern China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	6
402	Analysis of VOCs Emitted from Small Laundry Facilities: Contributions to Ozone and Secondary Aerosol Formation and Human Risk Assessment. International Journal of Environmental Research and Public Health, 2022, 19, 15130.	1.2	1
403	Impacts of urbanâ€“rural disparities in the trends of PM2.5 and ozone levels in China during 2013â€“2019. Atmospheric Pollution Research, 2022, 13, 101590.	1.8	3
404	The Long-Term Trends and Interannual Variability in Surface Ozone Levels in Beijing from 1995 to 2020. Remote Sensing, 2022, 14, 5726.	1.8	4
405	Quantifying the drivers of surface ozone anomalies in the urban areas over the Qinghai-Tibet Plateau. Atmospheric Chemistry and Physics, 2022, 22, 14401-14419.	1.9	6
406	Attributing Increases in Ozone to Accelerated Oxidation of Volatile Organic Compounds at Reduced Nitrogen Oxides Concentrations. , 2022, 1, .		7
407	Predicting ozone formation in petrochemical industrialized Lanzhou city by interpretable ensemble machine learning. Environmental Pollution, 2023, 318, 120798.	3.7	9
408	Diagnosis of photochemical O3 production of urban plumes in summer via developing the real-field IRs of VOCs: A case study in Beijing of China. Environmental Pollution, 2023, 318, 120836.	3.7	4
409	The unexpected high frequency of nocturnal surface ozone enhancement events over China: characteristics and mechanisms. Atmospheric Chemistry and Physics, 2022, 22, 15243-15261.	1.9	17
410	Diagnosing ozoneâ€“NO_xâ€“VOC sensitivity and revealing causes of ozone increases in China based on 2013â€“2021 satellite retrievals. Atmospheric Chemistry and Physics, 2022, 22, 15035-15047.	1.9	37
411	Diagnosing the Model Bias in Simulating Daily Surface Ozone Variability Using a Machine Learning Method: The Effects of Dry Deposition and Cloud Optical Depth. Environmental Science & Technology, 2022, 56, 16665-16675.	4.6	10
412	Examining the implications of photochemical indicators for O₃â€“NO_xâ€“VOC sensitivity and control strategies: a case study in the Yangtze River Delta (YRD), China. Atmospheric Chemistry and Physics, 2022, 22, 14799-14811.	1.9	8
413	Improving the accuracy of O3 prediction from a chemical transport model with a random forest model in the Yangtze River Delta region, China. Environmental Pollution, 2023, 319, 120926.	3.7	9
414	Meteorological and chemical controls on surface ozone diurnal variability in Beijing: A clustering-based perspective. Atmospheric Environment, 2023, 295, 119566.	1.9	6
415	Spatio-temporal distribution, transport characteristics and synoptic patterns of ozone pollution near surface in Jiangsu province, China. Atmospheric Pollution Research, 2022, 13, 101616.	1.8	1
417	Multiple Impacts of Aerosols on O₃ Production Are Largely Compensated: A Case Study Shenzhen, China. Environmental Science & Technology, 2022, 56, 17569-17580.	4.6	11
418	Global trends in ozone concentration and attributable mortality for urban, peri-urban, and rural areas between 2000 and 2019: a modelling study. Lancet Planetary Health, The, 2022, 6, e958-e967.	5.1	18
419	Contrasting Near-Surface Ozone Pollution in Wet and Dry Year over China. International Journal of Environmental Research and Public Health, 2023, 20, 998.	1.2	1

#	Article	IF	Citations
420	Spatial Patterns in the Extreme Dependence of Ozone Pollution between Cities in Chinaâ€™s BTH Region. Atmosphere, 2023, 14, 141.	1.0	2
421	Classification of ozone pollution and analysis of meteorological factors in the Yangtze River Delta. Big Earth Data, 2023, 7, 318-337.	2.0	0
422	Phylogenetic Conservation of Soil Microbial Responses to Elevated Tropospheric Ozone and Nitrogen Fertilization. MSystems, 2023, 8, .	1.7	4
423	Climate change and population aging may impact the benefits of improved air quality on cardiovascular mortality in Guangzhou: epidemiological evidence and policy implications. Environmental Science Advances, 0, , .	1.0	0
424	Assessment of photosynthesis and yield loss of winter wheat under ground-level ozone exposure. Environmental Technology and Innovation, 2023, 29, 103013.	3.0	3
425	Modeling the biogenic isoprene emission and its impact on ozone pollution in Zhejiang province, China. Science of the Total Environment, 2023, 865, 161212.	3.9	3
426	Increased night-time oxidation over China despite widespread decrease across the globe. Nature Geoscience, 2023, 16, 217-223.	5.4	23
427	Variations in leaf anatomical characteristics drive the decrease of mesophyll conductance in poplar under elevated ozone. Global Change Biology, 2023, 29, 2804-2823.	4.2	4
428	Influence of Urbanization on the Spatial Distribution of Associations Between Air Pollution and Mortality in Beijing, China. GeoHealth, 2023, 7, .	1.9	1
429	Rice yield losses due to O3 pollution in China from 2013 to 2020 based on the WRF-CMAQ model. Journal of Cleaner Production, 2023, 401, 136801.	4.6	5
430	A new approach of air pollution regionalization based on geographically weighted variations for multi-pollutants in China. Science of the Total Environment, 2023, 873, 162431.	3.9	4
431	The contributions of non-methane hydrocarbon emissions by different fuel type on-road vehicles based on tests in a heavily trafficked urban tunnel. Science of the Total Environment, 2023, 873, 162432.	3.9	3
432	Large-scale climatic drivers for warm-season compound drought and heatwave frequency over North China. Atmospheric Research, 2023, 288, 106727.	1.8	0
433	Emission characteristics, environmental impact assessment and priority control strategies derived from VOCs speciation sourcely through measurement for wooden furniture-manufacturing industry in China. Science of the Total Environment, 2023, 877, 162287.	3.9	6
434	A quantitative assessment and process analysis of the contribution from meteorological conditions in an O3 pollution episode in Guangzhou, China. Atmospheric Environment, 2023, 303, 119757.	1.9	3
435	Short-term effects of ambient ozone exposure on daily hospitalizations for circulatory diseases in Ganzhou, China: A time-series study. Chemosphere, 2023, 327, 138513.	4.2	3
436	Can climate indices forecast daily variations of wintertime PM2.5 concentrations in East Asia?. Science of the Total Environment, 2023, 881, 163505.	3.9	1
437	Impact of the emergency response to COVID-19 on air quality and its policy implications: Evidence from 290 cities in China. Environmental Science and Policy, 2023, 145, 50-59.	2.4	1

#	Article	IF	Citations
438	Emission factors and source profiles of volatile organic compounds from typical industrial sources in Guangzhou, China. Science of the Total Environment, 2023, 869, 161758.	3.9	4
439	Impacts of Meteorological Conditions on Autumn Surface Ozone During 2014â€“2020 in the Pearl River Delta, China. Earth and Space Science, 2023, 10, .	1.1	1
440	Characteristics, chemical transformation and source apportionment of volatile organic compounds (VOCs) during wintertime at a suburban site in a provincial capital city, east China. Atmospheric Environment, 2023, 298, 119621.	1.9	8
441	Quantitative evidence from VOCs source apportionment reveals O3 control strategies in northern and southern China. Environment International, 2023, 172, 107786.	4.8	8
442	Divergent summertime surface O3 pollution formation mechanisms in two typical Chinese cities in the Beijing-Tianjin-Hebei region and Fenwei Plain. Science of the Total Environment, 2023, 870, 161868.	3.9	4
443	Impacts of Agricultural Soil NO_x Emissions on O₃ Over Mainland China. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	1.2	1
444	PM2.5 and ozone pollution-related health challenges in Japan with regards to climate change. Global Environmental Change, 2023, 79, 102640.	3.6	8
445	Towards a Combined Physical and Social Evaluation of Climate Vulnerability in Coastal Urban Megacities. Water (Switzerland), 2023, 15, 712.	1.2	3
446	The mutual interactions among ozone, fine particulate matter, and carbon dioxide on summer monsoon climate in East Asia. Atmospheric Environment, 2023, 299, 119668.	1.9	3
447	Estimating Yield and Economic Losses Induced by Ozone Exposure in South China Based on Full-Coverage Surface Ozone Reanalysis Data and High-Resolution Rice Maps. Agriculture (Switzerland), 2023, 13, 506.	1.4	2
448	The Interactive Effects of Nitrogen Addition and Ozone Pollution on Cathay Poplar-Associated Phyllosphere Bacterial Communities. Forests, 2023, 14, 452.	0.9	0
449	Environmental Research Addressing Sustainable Development Goals. Environmental Science & Technology, 2023, 57, 3457-3460.	4.6	1
450	Environmental Research Addressing Sustainable Development Goals. Environmental Science and Technology Letters, 2023, 10, 210-213.	3.9	0
451	Fast spreading of surface ozone in both temporal and spatial scale in Pearl River Delta. Journal of Environmental Sciences, 2024, 137, 540-552.	3.2	7
452	O₃â€“precursor relationship over multiple patterns of timescale: a case study in Zibo, Shandong Province, China. Atmospheric Chemistry and Physics, 2023, 23, 2649-2665.	1.9	7
453	Responses of Eight Differentially Heat Sensitive Tomato Cultivars against Chronic Ozone Exposure in the Indo-Gangetic Plain: Growth, Physiology, and Yield. Agronomy, 2023, 13, 717.	1.3	2
454	Measurement report: Volatile organic compound characteristics of the different land-use types in Shanghai: spatiotemporal variation, source apportionment and impact on secondary formations of ozone and aerosol. Atmospheric Chemistry and Physics, 2023, 23, 2877-2900.	1.9	4
455	Research on ozone formation sensitivity based on observational methods: Development history, methodology, and application and prospects in China. Journal of Environmental Sciences, 2024, 138, 543-560.	3.2	4

#	Article	IF	Citations
456	Surface ozone pollution in China: Trends, exposure risks, and drivers. Frontiers in Public Health, 0, 11, .	1.3	1
457	Understanding Temporal Patterns and Determinants of Ground-Level Ozone. Atmosphere, 2023, 14, 604.	1.0	0
458	Biogenic emissions-related ozone enhancement in two major city clusters during a typical typhoon process. Applied Geochemistry, 2023, 152, 105634.	1.4	1
459	Ozone Formation at a Suburban Site in the Pearl River Delta Region, China: Role of Biogenic Volatile Organic Compounds. Atmosphere, 2023, 14, 609.	1.0	1
460	Identifying the causal effects of long-term exposure to PM2.5 and ground surface ozone on individual medical costs in Chinaâ€"evidence from a representative longitudinal nationwide cohort. BMC Medicine, 2023, 21, .	2.3	4
461	Narrowing Differences in Urban and Nonurban Surface Ozone in the Northern Hemisphere Over 1990â€"2020. Environmental Science and Technology Letters, 2023, 10, 410-417.	3.9	4
462	Unlocking efficient and robust ozone decomposition with CNT-confined manganese oxide via synergistic electronic modulation. Applied Catalysis B: Environmental, 2023, 334, 122788.	10.8	0
463	Investigation of Summertime Ozone Formation and Sources of Volatile Organic Compounds in the Suburb Area of Hefei: A Case Study of 2020. Atmosphere, 2023, 14, 740.	1.0	0
558	Addressing global environmental pollution using environmental control techniques: a focus on environmental policy and preventive environmental management. , 2024, 2, .		1