Aggravating O3 pollution due to NOx emission control i

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Citation Report

#	Article	IF	Citations
1	Increased Aerosol Extinction Efficiency Hinders Visibility Improvement in Eastern China. Geophysical Research Letters, 2020, 47, e2020GL090167.	1.5	28
2	Effects of Chinaâ€™s current Air Pollution Prevention and Control Action Plan on air pollution patterns, health risks and mortalities in Beijing 2014â€“2018. Chemosphere, 2020, 260, 127572.	4.2	79
3	Air quality improvement in response to intensified control strategies in Beijing during 2013â€“2019. Science of the Total Environment, 2020, 744, 140776.	3.9	78
4	An explicit study of local ozone budget and NOx-VOCs sensitivity in Shenzhen China. Atmospheric Environment, 2020, 224, 117304.	1.9	85
5	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
6	Changes in ammonia and its effects on PM2.5 chemical property in three winter seasons in Beijing, China. Science of the Total Environment, 2020, 749, 142208.	3.9	21
7	Stabilization for the secondary species contribution to PM2.5 in the Pearl River Delta (PRD) over the past decade, China: A meta-analysis. Atmospheric Environment, 2020, 242, 117817.	1.9	28
8	Chemical Boundary Layer and Its Impact on Air Pollution in Northern China. Environmental Science and Technology Letters, 2020, 7, 826-832.	3.9	19
9	Uncertainty in the Impact of the COVID-19 Pandemic on Air Quality in Hong Kong, China. Atmosphere, 2020, 11, 914.	1.0	19
10	Four-Month Changes in Air Quality during and after the COVID-19 Lockdown in Six Megacities in China. Environmental Science and Technology Letters, 2020, 7, 802-808.	3.9	109
12	The impact of synoptic patterns on summertime ozone pollution in the North China Plain. Science of the Total Environment, 2020, 735, 139559.	3.9	73
13	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
14	Evaluating in-use vehicle emissions using air quality monitoring stations and on-road remote sensing systems. Science of the Total Environment, 2020, 740, 139868.	3.9	26
15	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
16	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
17	A review of surface ozone source apportionment in China. Atmospheric and Oceanic Science Letters, 2020, 13, 470-484.	0.5	30
18	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
19	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

#	Article	IF	Citations
22	Developing a novel hybrid model for the estimation of surface 8â€‰h ozone (O₃) across the remote Tibetan Plateau during 2005â€“2018. Atmospheric Chemistry and Physics, 2020, 20, 6159-6175.	1.9	35
23	Persistent ozone pollution episodes in North China exacerbated by regional transport. Environmental Pollution, 2020, 265, 115056.	3.7	63
24	Spatio-temporal variations in NO2 and SO2 over Shanghai and Chongming Eco-Island measured by Ozone Monitoring Instrument (OMI) during 2008â€“2017. Journal of Cleaner Production, 2020, 258, 120563.	4.6	37
25	A Stratospheric Intrusion-Influenced Ozone Pollution Episode Associated with an Intense Horizontal-Trough Event. Atmosphere, 2020, 11, 164.	1.0	17
26	Street-scale air quality modelling for Beijing during a winter 2016 measurement campaign. Atmospheric Chemistry and Physics, 2020, 20, 2755-2780.	1.9	31
27	On the mathematical modelling and data assimilation for air pollution assessment in the Tropical Andes. Environmental Science and Pollution Research, 2020, 27, 35993-36012.	2.7	10
28	Spatial Correlation of Industrial NOx Emission in Chinaâ€™s 2 + 26 Policy Region: Based on Social Network Analysis. Sustainability, 2020, 12, 2289.	1.6	8
29	Enhancement of the polynomial functions response surface model for real-time analyzing ozone sensitivity. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	12
30	Photochemistry of ozone pollution in autumn in Pearl River Estuary, South China. Science of the Total Environment, 2021, 754, 141812.	3.9	22
31	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
32	A comprehensive study on ozone pollution in a megacity in North China Plain during summertime: Observations, source attributions and ozone sensitivity. Environment International, 2021, 146, 106279.	4.8	26
33	Responses of decline in air pollution and recovery associated with COVID-19 lockdown in the Pearl River Delta. Science of the Total Environment, 2021, 756, 143868.	3.9	49
34	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
35	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
36	Understanding ozone pollution in the Yangtze River Delta of eastern China from the perspective of diurnal cycles. Science of the Total Environment, 2021, 752, 141928.	3.9	50
37	Bypassing the NOx titration trap in ozone pollution control in Beijing. Atmospheric Research, 2021, 249, 105333.	1.8	46
38	UK COVID-19 lockdown: 100 days of air pollution reduction?. Air Quality, Atmosphere and Health, 2021, 14, 325-332.	1.5	62
39	Impact of weather and emission changes on NO2 concentrations in China during 2014â€“2019. Environmental Pollution, 2021, 269, 116163.	3.7	39

#	Article	IF	Citations
40	Improvement of the satellite-derived NO_{<i>x</i>} emissions on air quality modeling and its effect on ozone and secondary inorganic aerosol formation in the Yangtze River Delta, China. Atmospheric Chemistry and Physics, 2021, 21, 1191-1209.	1.9	11
41	Weakened Aerosolâ€PBL Interaction During COVIDâ€19 Lockdown in Northern China. Geophysical Research Letters, 2021, 48, e2020GL090542.	1.5	16
42	Quantification of Regional Ozone Pollution Characteristics and Its Temporal Evolution: Insights from Identification of the Impacts of Meteorological Conditions and Emissions. Atmosphere, 2021, 12, 279.	1.0	8
43	On the Relevancy of Observed Ozone Increase during COVID-19 Lockdown to Summertime Ozone and PM_{2.5} Control Policies in China. Environmental Science and Technology Letters, 2021, 8, 289-294.	3.9	49
44	Improved Modeling of Spatiotemporal Variations of Fine Particulate Matter Using a Threeâ€Dimensional Variational Data Fusion Method. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033599.	1.2	3
45	Air quality and synergistic health effects of ozone and nitrogen oxides in response to Chinaâ€™s integrated air quality control policies during 2015â€“2019. Chemosphere, 2021, 268, 129385.	4.2	22
46	Air quality characteristics in Wuhan (China) during the 2020 COVID-19 pandemic. Environmental Research, 2021, 195, 110879.	3.7	23
47	Air quality and health benefits from ultra-low emission control policy indicated by continuous emission monitoring: a case study in the Yangtze River Delta region, China. Atmospheric Chemistry and Physics, 2021, 21, 6411-6430.	1.9	5
48	Air Quality During COVID-19 Lockdown in the Yangtze River Delta and the Pearl River Delta: Two Different Responsive Mechanisms to Emission Reductions in China. Environmental Science & Technology, 2021, 55, 5721-5730.	4.6	50
49	Spatial and Temporal Distributions and Sources of Anthropogenic NMVOCs in the Atmosphere of China: A Review. Advances in Atmospheric Sciences, 2021, 38, 1085-1100.	1.9	15
50	Unprecedented reduction in air pollution and corresponding short-term premature mortality associated with COVID-19 lockdown in Delhi, India. Journal of the Air and Waste Management Association, 2021, 71, 1085-1101.	0.9	19
51	Enhanced atmospheric oxidation capacity and associated ozone increases during COVID-19 lockdown in the Yangtze River Delta. Science of the Total Environment, 2021, 768, 144796.	3.9	43
52	Spatial and temporal changes of the ozone sensitivity in China based on satellite and ground-based observations. Atmospheric Chemistry and Physics, 2021, 21, 7253-7269.	1.9	93
53	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
54	Model analysis of meteorology and emission impacts on springtime surface ozone in Shandong. Science of the Total Environment, 2021, 771, 144784.	3.9	7
55	Evolution of secondary inorganic aerosols amidst improving PM2.5 air quality in the North China plain. Environmental Pollution, 2021, 281, 117027.	3.7	13
56	Global air quality change during the COVID-19 pandemic: Regionally different ozone pollution responses COVID-19. Atmospheric and Oceanic Science Letters, 2021, 14, 100015.	0.5	17
57	A review of strategies for mitigating roadside air pollution in urban street canyons. Environmental Pollution, 2021, 280, 116971.	3.7	94

#	Article	IF	Citations
58	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
59	A comprehensive investigation of surface ozone pollution in China, 2015â€“2019: Separating the contributions from meteorology and precursor emissions. Atmospheric Research, 2021, 257, 105599.	1.8	83
60	Spatiotemporal variation of surface ozone and its causes in Beijing, China since 2014. Atmospheric Environment, 2021, 260, 118556.	1.9	23
61	Surface ozone in the North American pollution outflow region of Nova Scotia: Long-term analysis of surface concentrations, precursor emissions and long-range transport influence. Atmospheric Environment, 2021, 261, 118536.	1.9	6
62	Simulation of surface ozone over Hebei province, China using Kolmogorov-Zurbenko and artificial neural network (KZ-ANN) combined model. Atmospheric Environment, 2021, 261, 118599.	1.9	10
63	Characterization and ozone formation potential (OFP) of non-methane hydrocarbons under the condition of chemical loss in Guangzhou, China. Atmospheric Environment, 2021, 262, 118630.	1.9	15
64	Assessing the health impacts attributable to PM2.5 and ozone pollution in 338 Chinese cities from 2015 to 2020. Environmental Pollution, 2021, 287, 117623.	3.7	45
65	Estimation of surface-level NO2 and O3 concentrations using TROPOMI data and machine learning over East Asia. Environmental Pollution, 2021, 288, 117711.	3.7	73
66	Removing the effects of meteorological factors on changes in nitrogen dioxide and ozone concentrations in China from 2013 to 2020. Science of the Total Environment, 2021, 793, 148575.	3.9	43
67	Source impact and contribution analysis of ambient ozone using multi-modeling approaches over the Pearl River Delta region, China. Environmental Pollution, 2021, 289, 117860.	3.7	19
68	Subseasonal characteristics and meteorological causes of surface O3 in different East Asian summer monsoon periods over the North China Plain during 2014â€“2019. Atmospheric Environment, 2021, 264, 118704.	1.9	8
69	Long-term variations in ozone levels in the troposphere and lower stratosphere over Beijing: observations and model simulations. Atmospheric Chemistry and Physics, 2020, 20, 13343-13354.	1.9	11
70	Response of fine particulate matter and ozone to precursors emission reduction in the Yangtze River Delta andits policy implications. Chinese Science Bulletin, 2022, 67, 2079-2088.	0.4	4
71	Characterization of ambient volatile organic compounds, source apportionment, and the ozoneâ€“NO_xâ€“VOC sensitivities in a heavily polluted megacity of central China: effect of sporting events and emission reductions. Atmospheric Chemistry and Physics, 2021, 21, 15239-15257.	1.9	22
72	New region demarcation method for implementing the Joint Prevention and Control of Atmospheric Pollution policy in China. Journal of Cleaner Production, 2021, 325, 129345.	4.6	8
73	Variability in air-pollutants, aerosols, and associated meteorology over peninsular India and neighboring ocean regions during COVID-19 lockdown to unlock phases. Atmospheric Pollution Research, 2021, 12, 101231.	1.8	3
74	Monthly Global Estimates of Fine Particulate Matter and Their Uncertainty. Environmental Science & Technology, 2021, 55, 15287-15300.	4.6	211
75	Trends in secondary inorganic particles in Hong Kong, 1995â€“2020. Atmospheric Environment, 2022, 268, 118801.	1.9	6

#	Article	IF	Citations
76	Effects of the sea-land breeze on coastal ozone pollution in the Yangtze River Delta, China. Science of the Total Environment, 2022, 807, 150306.	3.9	24
77	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
78	COVID-19 lockdown closures of emissions sources in India: Lessons for air quality and climate policy. Journal of Environmental Management, 2022, 302, 114079.	3.8	15
79	Mimicking atmospheric photochemical modeling with a deep neural network. Atmospheric Research, 2022, 265, 105919.	1.8	8
80	Novel Method for Ozone Isopleth Construction and Diagnosis for the Ozone Control Strategy of Chinese Cities. Environmental Science & Technology, 2021, 55, 15625-15636.	4.6	39
81	Synergistic effects of air pollutants on meteorological fields at the junction of the Loess Plateau, Mongolian Plateau and Tibetan Plateau over Northwest China during summer. Atmospheric Research, 2022, 267, 105921.	1.8	2
82	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
83	Remarkable Spring Increase Overwhelmed Hard-Earned Autumn Decrease in Ozone Pollution from 2005 to 2017 in Hong Kong, South China. SSRN Electronic Journal, 0, , .	0.4	0
84	Remarkable Spring Increase Overwhelmed Hard-Earned Autumn Decrease in Ozone Pollution from 2005 to 2017 in Hong Kong, South China. SSRN Electronic Journal, 0, , .	0.4	0
85	Identification of ozone sensitivity for NO2 and secondary HCHO based on MAX-DOAS measurements in northeast China. Environment International, 2022, 160, 107048.	4.8	19
86	Cropland nitrogen dioxide emissions and effects on the ozone pollution in the North China plain. Environmental Pollution, 2022, 294, 118617.	3.7	14
87	Attenuated sensitivity of ozone to precursors in Beijingâ€“Tianjinâ€“Hebei region with the continuous NOx reduction within 2014â€“2018. Science of the Total Environment, 2022, 813, 152589.	3.9	14
88	Evaluating the Spatiotemporal Ozone Characteristics with High-Resolution Predictions in Mainland China, 2013â€“2019. SSRN Electronic Journal, 0, , .	0.4	0
89	Response of Ozone Concentration to the Synergistic Control of Nox and Vocs Emissions in the Chengdu Metropolitan Area. SSRN Electronic Journal, 0, , .	0.4	0
90	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
91	Measurement report: Long-term variations in surface NO_{<i>x</i>} and SO₂ mixing ratios from 2006 to 2016 at a background site in the Yangtze River Delta region, China. Atmospheric Chemistry and Physics, 2022, 22, 1015-1033.	1.9	6
92	Effects of Ozone Stress on Stem Lodging Resistance of Different Rice Cultivars. SSRN Electronic Journal, 0, , .	0.4	0
93	Regional division and influencing mechanisms for the collaborative control of PM2.5 and O3 in China: A joint application of multiple mathematic models and data mining technologies. Journal of Cleaner Production, 2022, 337, 130607.	4.6	15

#	Article	IF	Citations
94	Drivers of 2013â€“2020 ozone trends in the Sichuan Basin, China: Impacts of meteorology and precursor emission changes. Environmental Pollution, 2022, 300, 118914.	3.7	29
95	Anthropogenic air pollutants reduce insect-mediated pollination services. Environmental Pollution, 2022, 297, 118847.	3.7	41
96	Evaluating the spatiotemporal ozone characteristics with high-resolution predictions in mainland China, 2013â€“2019. Environmental Pollution, 2022, 299, 118865.	3.7	33
97	Identifying the dominant driver of elevated surface ozone concentration in North China plain during summertime 2012â€“2017. Environmental Pollution, 2022, 300, 118912.	3.7	13
98	Increasing but Variable Trend of Surface Ozone in the Yangtze River Delta Region of China. Frontiers in Environmental Science, 2022, 10, .	1.5	5
99	Clustering Analysis on Drivers of O3 Diurnal Pattern and Interactions with Nighttime NO3 and HONO. Atmosphere, 2022, 13, 351.	1.0	3
100	Surface ozone impacts on major crop production in China from 2010 to 2017. Atmospheric Chemistry and Physics, 2022, 22, 2625-2638.	1.9	17
101	Implications of Mitigating Ozone and Fine Particulate Matter Pollution in the Guangdongâ€Hong Kongâ€Macau Greater Bay Area of China Using a Regionalâ€Toâ€Local Coupling Model. GeoHealth, 2022, 6, .	1.9	0
102	Spatiotemporal variation of ozone pollution and health effects in China. Environmental Science and Pollution Research, 2022, 29, 57808-57822.	2.7	7
103	Ozone Mitigates the Adverse Effects of Diesel Exhaust Pollutants on Ground-Active Invertebrates in Wheat. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	4
104	Rethinking of the adverse effects of NOx-control on the reduction of methane and tropospheric ozone â€“ Challenges toward a denitrified society. Atmospheric Environment, 2022, 277, 119033.	1.9	25
105	The formation and mitigation of nitrate pollution: comparison between urban and suburban environments. Atmospheric Chemistry and Physics, 2022, 22, 4539-4556.	1.9	27
106	Response of Summer Ozone to Precursor Emission Controls in the Yangtze River Delta Region. Frontiers in Environmental Science, 2022, 10, .	1.5	4
107	Decadal changes in ozone in the lower boundary layer over Beijing, China. Atmospheric Environment, 2022, 275, 119018.	1.9	11
108	Improved positive matrix factorization for source apportionment of volatile organic compounds in vehicular emissions during the Spring Festival in Tianjin, China. Environmental Pollution, 2022, 303, 119122.	3.7	15
109	Surface UV-assisted retrieval of spatially continuous surface ozone with high spatial transferability. Remote Sensing of Environment, 2022, 274, 112996.	4.6	8
110	Identification of close relationship between large-scale circulation patterns and ozone-precursor sensitivity in the Pearl River Delta, China. Journal of Environmental Management, 2022, 312, 114915.	3.8	5
111	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

#	Article	IF	Citations
112	Remarkable spring increase overwhelmed hard-earned autumn decrease in ozone pollution from 2005 to 2017 at a suburban site in Hong Kong, South China. Science of the Total Environment, 2022, 831, 154788.	3.9	7
113	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
115	The Modeling Study about Impacts of Emission Control Policies for Chinese 14th Five-Year Plan on PM2.5 and O3 in Yangtze River Delta, China. Atmosphere, 2022, 13, 26.	1.0	9
116	Long-term Assessment of Ozone Nonattainment Changes in South Korea Compared to US, and EU Ozone Guidelines. Asian Journal of Atmospheric Environment, 2021, 15, 20-32.	0.4	4
117	Optimization of a NO_x and VOC Cooperative Control Strategy Based on Clean Air Benefits. Environmental Science & Technology, 2022, 56, 739-749.	4.6	52
118	Synergetic PM2.5 and O3 control strategy for the Yangtze River Delta, China. Journal of Environmental Sciences, 2023, 123, 281-291.	3.2	24
119	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
120	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
121	Chemical reactivity of volatile organic compounds and their effects on ozone formation in a petrochemical industrial area of Lanzhou, Western China. Science of the Total Environment, 2022, 839, 155901.	3.9	13
122	Direct Retrieval of NO ₂ Vertical Columns from UV-Vis (390-495â€‰nm) Spectral Radiances Using a Neural Network. Journal of Remote Sensing, 2022, 2022, .	3.2	2
123	Impact of NOx reduction on long-term surface ozone pollution in roadside and suburban Hong Kong: Field measurements and model simulations. Chemosphere, 2022, 302, 134816.	4.2	6
124	Green Infrastructure and Air Pollution: Evidence from Highways Connecting Two Megacities in China. SSRN Electronic Journal, 0, , .	0.4	1
125	Effect of COVID-19 Response Policy on Air Quality: A Study in South China Context. Atmosphere, 2022, 13, 842.	1.0	1
126	Measurement report: Variations in surface SO₂ and NO_{<i>x</i>} mixing ratios from 2004 to 2016 at a background site in the North China Plain. Atmospheric Chemistry and Physics, 2022, 22, 7071-7085.	1.9	1
127	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
128	Is atmospheric oxidation capacity better in indicating tropospheric O3 formation?. Frontiers of Environmental Science and Engineering, 2022, 16, .	3.3	12
129	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
130	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

#	Article	IF	Citations
131	The Impact of the Numbers of Monitoring Stations on the National and Regional Air Quality Assessment in China During 2013â€“18. Advances in Atmospheric Sciences, 2022, 39, 1709-1720.	1.9	7
132	A machine learning approach to quantify meteorological drivers of ozone pollution in China from 2015 to 2019. Atmospheric Chemistry and Physics, 2022, 22, 8385-8402.	1.9	24
133	A numerical study of reducing the concentration of O3 and PM2.5 simultaneously in Taiwan. Journal of Environmental Management, 2022, 318, 115614.	3.8	8
134	Sb-based photocatalysts for degradation of organic pollutants: A review. Journal of Cleaner Production, 2022, 367, 133060.	4.6	27
135	Accurate identification of key VOCs sources contributing to O3 formation along the Liaodong Bay based on emission inventories and ambient observations. Science of the Total Environment, 2022, 844, 156998.	3.9	9
136	Study on Transpiration Water Consumption and Photosynthetic Characteristics of Landscape Tree Species under Ozone Stress. Atmosphere, 2022, 13, 1139.	1.0	2
137	Diagnosis of Ozone Formation Sensitivities in Different Height Layers via MAXâ€DOAS Observations in Guangzhou. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	7
138	An improved hourly-resolved NOx emission inventory for power plants based on continuous emission monitoring system (CEMS) database: A case in Jiangsu, China. Journal of Cleaner Production, 2022, 369, 133176.	4.6	5
139	The Importance of NO_x Control for Peak Ozone Mitigation Based on a Sensitivity Study Using CMAQâ€HDDMâ€3D Model During a Typical Episode Over the Yangtze River Delta Region, China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	8
140	Risk tradeoffs between nitrogen dioxide and ozone pollution during the COVID-19 lockdowns in the Greater Bay area of China. Atmospheric Pollution Research, 2022, 13, 101549.	1.8	2
141	The efforts of China to combat air pollution during the period of 2015â€“2018: A case study assessing the environmental, health and economic benefits in the Beijing-Tianjin-Hebei and surrounding â€œ2 + 26â€• regions. Science of the Total Environment, 2022, 853, 158437.	3.9	17
142	Fifteen-Year Trends (2005â€“2019) in the Satellite-Derived Ozone-Sensitive Regime in East Asia: A Gradual Shift from VOC-Sensitive to NOx-Sensitive. Remote Sensing, 2022, 14, 4512.	1.8	7
143	Does Ozone Pollution Share the Same Formation Mechanisms in the Bay Areas of China?. Environmental Science & Technology, 2022, 56, 14326-14337.	4.6	9
144	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
145	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
146	Multisource Remote Sensing Based Estimation of Soil NO_x Emissions From Fertilized Cropland at Highâ€Resolution: Spatioâ€Temporal Patterns and Impacts. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	2
147	Surface ozone changes during the COVID-19 outbreak in China: An insight into the pollution characteristics and formation regimes of ozone in the cold season. Journal of Atmospheric Chemistry, 2023, 80, 103-120.	1.4	4
148	Responses of ozone concentrations to the synergistic control of NOx and VOCs emissions in the Chengdu metropolitan area. Frontiers in Environmental Science, 0, 10, .	1.5	1

#	Article	IF	Citations
149	Evidence for Reducing Volatile Organic Compounds to Improve Air Quality from Concurrent Observations and In Situ Simulations at 10 Stations in Eastern China. Environmental Science & Technology, 2022, 56, 15356-15364.	4.6	9
150	Analysis of Vertical Distribution Changes and Influencing Factors of Tropospheric Ozone in China from 2005 to 2020 Based on Multi-Source Data. International Journal of Environmental Research and Public Health, 2022, 19, 12653.	1.2	0
151	Deep cut of anthropogenic nitrogen oxides emissions to mitigate ozone vegetation damages in China. Atmospheric Environment, 2023, 293, 119454.	1.9	2
152	Two-year online measurements of volatile organic compounds (VOCs) at four sites in a Chinese city: Significant impact of petrochemical industry. Science of the Total Environment, 2023, 858, 159951.	3.9	12
153	Performance and application of air quality models on ozone simulation in China â€“ A review. Atmospheric Environment, 2023, 293, 119446.	1.9	15
154	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
155	Ambient fine particulate matter and ozone pollution in China: synergy in anthropogenic emissions and atmospheric processes. Environmental Research Letters, 2022, 17, 123001.	2.2	12
156	An acid rainâ€“friendly NH3 control strategy to maximize benefits toward human health and nitrogen deposition. Science of the Total Environment, 2023, 859, 160116.	3.9	1
157	Health Risk Assessment of Inhalation Exposure to Airborne Particle-Bound Nitrated Polycyclic Aromatic Hydrocarbons in Urban and Suburban Areas of South China. International Journal of Environmental Research and Public Health, 2022, 19, 15536.	1.2	3
158	Diagnosing ozoneâ€“NO‹sub›‹i›x‹/i›‹/sub›â€“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
159	Ozone Pollution of Megacity Shanghai during City-Wide Lockdown Assessed Using TROPOMI Observations of NO2 and HCHO. Remote Sensing, 2022, 14, 6344.	1.8	5
160	Control of fine particulate nitrate during severe winter haze in â€œ2+26â€•cities. Journal of Environmental Sciences, 2024, 136, 261-269.	3.2	2
161	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
162	Chemistry, street canyon geometry, and emissions effects on NO2 â€œhotspotsâ€•and regulatory â€œwiggle roomâ€• Npj Climate and Atmospheric Science, 2022, 5, .	2.6	2
163	Sensitivity of Ozone Formation in Summer in Jinan Using Observation-Based Model. Atmosphere, 2022, 13, 2024.	1.0	1
164	Meteorological impacts on surface ozone: A case study based on Kolmogorovâ€“Zurbenko filtering and multiple linear regression. Frontiers in Environmental Science, 0, 10, .	1.5	1
165	Mixing-layer depth-based backwards trajectory analysis of the sources of high O3 concentrations at the Wutaishan station, North China. Atmospheric Pollution Research, 2023, 14, 101652.	1.8	1
166	Vertical distribution of tropospheric ozone and its sources of precursors over Beijing: Results fromÂâˆ¼Â20Âyears of ozonesonde measurements based on clustering analysis. Atmospheric Research, 2023, 284, 106610.	1.8	2

#	Article	IF	Citations
167	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
168	Evolution of Ozone Pollution in China: What Track Will It Follow?. Environmental Science & Technology, 2023, 57, 109-117.	4.6	17
169	Impacts of ozone stress on stem lodging characteristics of different indica and japonica rice cultivars. Crop Science, 2023, 63, 1508-1524.	0.8	0
170	Development of an integrated machine-learning and data assimilation framework for NOx emission inversion. Science of the Total Environment, 2023, 871, 161951.	3.9	2
171	Enhanced ozone pollution in the summer of 2022 in China: The roles of meteorology and emission variations. Atmospheric Environment, 2023, 301, 119701.	1.9	16
172	Contributions of local emissions and regional background to summertime ozone in central China. Journal of Environmental Management, 2023, 338, 117778.	3.8	4
173	Impacts of Agricultural Soil NO_x Emissions on O₃ Over Mainland China. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	1.2	1
174	Characteristics of Surface Ozone and Nitrogen Oxides over a Typical City in the Yangtze River Delta, China. Atmosphere, 2023, 14, 487.	1.0	1
175	Formation Mechanisms and Source Apportionments of Nitrate Aerosols in a Megacity of Eastern China Based On Multiple Isotope Observations. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	1.2	2
176	Gasâ€phase kinetics, POCPs, and an investigation of the contributions of VOCs to urban ozone production in the UK. International Journal of Chemical Kinetics, 2023, 55, 350-364.	1.0	2
177	Biogenic emissions-related ozone enhancement in two major city clusters during a typical typhoon process. Applied Geochemistry, 2023, 152, 105634.	1.4	1
178	Spatiotemporal characteristics of ozone and the formation sensitivity over the Fenwei Plain. Science of the Total Environment, 2023, 881, 163369.	3.9	2
179	Health impacts under different ozone mitigation pathways in Beijing-Tianjin-Hebei and its surroundings. Science of the Total Environment, 2023, 882, 163436.	3.9	3
180	Recommendations on the measurement techniques of atmospheric pollutants from in situ and satellite observations: a review. Arabian Journal of Geosciences, 2023, 16, .	0.6	0
203	Highly selective and efficient photocatalytic NO removal: Charge carrier kinetics and interface molecular process. Nano Research, 2024, 17, 1003-1026.	5.8	0