## Inferring Changes in Summertime Surface Ozone–NO over U.S. Urban Areas from Two Decades of Satellite and

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**Citation Report** 

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Estimating Spatiotemporal Variation in Ambient Ozone Exposure during 2013–2017 Using a Data-Fusion<br>Model. Environmental Science & Technology, 2020, 54, 14877-14888.   | 4.6  | 118       |
| 2  | The COVID-19 lockdowns: a window into the Earth System. Nature Reviews Earth & Environment, 2020, 1, 470-481.   | 12.2 | 153       |
| 3  | Using Satellites to Track Indicators of Global Air Pollution and Climate Change Impacts: Lessons<br>Learned From a NASA‣upported Science‣takeholder Collaborative. GeoHealth, 2020, 4, e2020GH000270.                             | 1.9  | 25        |
| 4  | Tropospheric Ozone Variability Over Hong Kong Based on Recent 20Âyears (2000–2019) Ozonesonde<br>Observation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033054.   | 1.2  | 25        |
| 5  | Application of ReO <sub>x</sub> /TiO <sub>2</sub> catalysts with excellent SO <sub>2</sub> tolerance<br>for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . Catalysis Science and<br>Technology, 0, , . | 2.1  | 63        |
| 6  | Nitrogen dioxide reductions from satellite and surface observations during COVID-19 mitigation in Rome (Italy). Environmental Science and Pollution Research, 2021, 28, 22981-23004.  | 2.7  | 34        |
| 7  | Satellite Formaldehyde to Support Model Evaluation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032881.   | 1.2  | 7         |
| 8  | Investigating the Sources of Formaldehyde and Corresponding Photochemical Indications at a Suburb<br>Site in Shanghai From MAXâ€ĐOAS Measurements. Journal of Geophysical Research D: Atmospheres, 2021,<br>126, e2020JD033351.   | 1.2  | 15        |
| 9  | Evaluating Drought Responses of Surface Ozone Precursor Proxies: Variations With Land Cover Type,<br>Precipitation, and Temperature. Geophysical Research Letters, 2021, 48, e2020GL091520.                                       | 1.5  | 9         |
| 10 | Air pollution impacts of COVID-19–related containment measures. Science Advances, 2021, 7, .  | 4.7  | 42        |
| 11 | 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        |
| 12 | Ozone Continues to Increase in East Asia Despite Decreasing NO2: Causes and Abatements. Remote Sensing, 2021, 13, 2177.   | 1.8  | 20        |
| 13 | Characteristics of volatile organic compounds (VOCs) based on multisite observations in Hebei province in the warm season in 2019. Atmospheric Environment, 2021, 256, 118435.  | 1.9  | 9         |
| 14 | Chinese Regulations Are Working—Why Is Surface Ozone Over Industrialized Areas Still High?<br>Applying Lessons From Northeast US Air Quality Evolution. Geophysical Research Letters, 2021, 48,<br>e2021GL092816.                 | 1.5  | 50        |
| 15 | Assessing the Ratios of Formaldehyde and Glyoxal to NO <sub>2</sub> as Indicators of<br>O <sub>3</sub> –NO <sub><i>x</i></sub> –VOC Sensitivity. Environmental Science & Technology,<br>2021, 55, 10935-10945.                    | 4.6  | 27        |
| 16 | Ground-Based Hyperspectral Stereoscopic Remote Sensing Network: A Promising Strategy to Learn<br>Coordinated Control of O3 and PM2.5 over China. Engineering, 2022, 19, 71-83.  | 3.2  | 30        |
| 17 | Volatile chemical product emissions enhance ozone and modulate urban chemistry. Proceedings of the United States of America, 2021, 118, .   | 3.3  | 103       |
| 18 | Comparative assessment of TROPOMI and OMI formaldehyde observations and validation against<br>MAX-DOAS network column measurements. Atmospheric Chemistry and Physics, 2021, 21, 12561-12593.                                     | 1.9  | 57        |

CITATION REPORT

| #  | Article   | IF                | CITATIONS |
|----|---|-------------------|-----------|
| 19 | Observed Relationship between Ozone and Temperature for Urban Nonattainment Areas in the United States. Atmosphere, 2021, 12, 1235.   | 1.0               | 9         |
| 20 | Spatiotemporal variation of surface ozone and its causes in Beijing, China since 2014. Atmospheric<br>Environment, 2021, 260, 118556.   | 1.9               | 23        |
| 21 | 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         |
| 22 | Augmenting the Standard Operating Procedures of Health and Air Quality Stakeholders With NASA<br>Resources. GeoHealth, 2021, 5, e2021GH000451.  | 1.9               | 4         |
| 24 | Evaluating the feasibility of formaldehyde derived from hyperspectral remote sensing as a proxy for volatile organic compounds. Atmospheric Research, 2021, 264, 105777.  | 1.8               | 11        |
| 25 | A review on methodology in O3-NOx-VOC sensitivity study. Environmental Pollution, 2021, 291, 118249.  | 3.7               | 46        |
| 26 | Identifying the spatiotemporal variations in ozone formation regimes across China from 2005 to 2019<br>based on polynomial simulation and causality analysis. Atmospheric Chemistry and Physics, 2021, 21,<br>15631-15646.  | 1.9               | 29        |
| 27 | Direct estimates of biomass burning<br>NO <sub><i>x</i></sub> emissions and lifetimes<br>using daily observations from TROPOMI. Atmospheric Chemistry and Physics, 2021, 21, 15569-15587.   | 1.9               | 30        |
| 28 | Global Surface HCHO Distribution Derived from Satellite Observations with Neural Networks Technique. Remote Sensing, 2021, 13, 4055.  | 1.8               | 5         |
| 29 | A highly efficient multi-stage dielectric barrier discharge (DBD)-catalytic system for simultaneous toluene degradation and O3 elimination. Journal of Industrial and Engineering Chemistry, 2022, 105, 393-404.  | 2.9               | 8         |
| 30 | OMI-observed HCHO in Shanghai, China, during 2010–2019 and ozone sensitivity inferred by an<br>improved HCHO â^• NO <sub>2</sub> ratio. Atmospheric Chemistry and F<br>2021, 21, 15447-15460.   | vh <b>ysø</b> cs, | 24        |
| 31 | Surface ozone monitoring and policy: A geospatial decision support tool for suitable location of monitoring stations in urban areas. Environmental Science and Policy, 2021, 126, 48-59.  | 2.4               | 1         |
| 32 | Non-thermal plasma coupled with MOx/γ-Al2O3 (M: Fe, Co, Mn, Ce) for chlorobenzene degradation:<br>Analysis of byproducts and the reaction mechanism. Journal of Environmental Chemical Engineering,<br>2021, 9, 106562.   | 3.3               | 25        |
| 33 | Improving predictability of high-ozone episodes through dynamic boundary conditions, emission refresh and chemical data assimilation during the Long Island Sound Tropospheric Ozone Study (LISTOS) field campaign. Atmospheric Chemistry and Physics, 2021, 21, 16531-16553. | 1.9               | 5         |
| 34 | Volatile Chemical Product Enhancements to Criteria Pollutants in the United States. Environmental Science & Technology, 2022, 56, 6905-6913.  | 4.6               | 15        |
| 35 | Using Traffic Density and Foliar Chemistry Variables to Understand Interactions Between Air<br>Pollution and Household Income. Journal of Geophysical Research D: Atmospheres, 2021, 126,<br>e2021JD034942.   | 1.2               | 2         |
| 36 | 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        |
| 37 | Influence of conducive weather on ozone in the presence of reduced NOx emissions: A case study in Chicago during the 2020 lockdowns. Atmospheric Pollution Research, 2022, 13, 101313.  | 1.8               | 5         |

|    | Οιτατιον Γ   | CITATION REPORT |           |  |
|----|--|-----------------|-----------|--|
| #  | Article  | IF              | CITATIONS |  |
| 38 | Trends of Ground-Level Ozone in New York City Area during 2007–2017. Atmosphere, 2022, 13, 114.  | 1.0             | 4         |  |
| 39 | Vertical characteristics of NO2 and HCHO, and the ozone formation regimes in Hefei, China. Science of the Total Environment, 2022, 823, 153425.  | 3.9             | 12        |  |
| 40 | Long-term measurements of ground-level ozone in Windsor, Canada and surrounding areas.<br>Chemosphere, 2022, 294, 133636.  | 4.2             | 8         |  |
| 41 | Stereoscopic hyperspectral remote sensing of the atmospheric environment: Innovation and prospects. Earth-Science Reviews, 2022, 226, 103958.  | 4.0             | 19        |  |
| 42 | Changes in the ozone chemical regime over the contiguous United States inferred by the inversion of NOx and VOC emissions using satellite observation. Atmospheric Research, 2022, 270, 106076.  | 1.8             | 12        |  |
| 43 | Changes in Ozone Chemical Sensitivity in the United States from 2007 to 2016. ACS Environmental Au, 2022, 2, 206-222.  | 3.3             | 16        |  |
| 44 | Spaceborne tropospheric nitrogen dioxide (NO <sub>2</sub> ) observations<br>from 2005–2020 over the Yangtze River Delta (YRD), China: variabilities, implications, and drivers.<br>Atmospheric Chemistry and Physics, 2022, 22, 4167-4185.   | 1.9             | 7         |  |
| 45 | Importance of ozone precursors information in modelling urban surface ozone variability using machine learning algorithm. Scientific Reports, 2022, 12, 5646.  | 1.6             | 9         |  |
| 46 | 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        |  |
| 47 | Measurement report: Photochemical production and loss rates of formaldehyde and ozone across<br>Europe. Atmospheric Chemistry and Physics, 2021, 21, 18413-18432.  | 1.9             | 11        |  |
| 48 | A review of Space-Air-Ground integrated remote sensing techniques for atmospheric monitoring.<br>Journal of Environmental Sciences, 2023, 123, 3-14.   | 3.2             | 14        |  |
| 49 | Glyoxal tropospheric column retrievals from TROPOMI – multi-satellite intercomparison and ground-based validation. Atmospheric Measurement Techniques, 2021, 14, 7775-7807.  | 1.2             | 7         |  |
| 50 | Direct measurements of ozone response to emissions perturbations in California. Atmospheric Chemistry and Physics, 2022, 22, 4929-4949.  | 1.9             | 8         |  |
| 51 | Ambient Formaldehyde over the United States from Ground-Based (AQS) and Satellite (OMI)<br>Observations. Remote Sensing, 2022, 14, 2191.   | 1.8             | 7         |  |
| 52 | Tropospheric ozone production and chemical regime analysis during the COVID-19 lockdown over Europe. Atmospheric Chemistry and Physics, 2022, 22, 6151-6165.   | 1.9             | 6         |  |
| 53 | Film-based fluorescent sensor for visual monitoring and efficient removal of aniline in solutions and gas phase. Journal of Hazardous Materials, 2022, 435, 129016.  | 6.5             | 10        |  |
| 54 | Multidecadal trends in ozone chemistry in the Baltimore-Washington Region. Atmospheric<br>Environment, 2022, 285, 119239.  | 1.9             | 4         |  |
| 55 | NO <sub>x</sub> and O <sub>3</sub> Trends at U.S. Nonâ€Attainment Areas for 1995–2020: Influence of COVIDâ€19 Reductions and Wildland Fires on Policyâ€Relevant Concentrations. Journal of Geophysical Research D: Atmospheres, 2022, 127, . | 1.2             | 13        |  |

| #  | Article  | IF                | CITATIONS      |
|----|--|-------------------|----------------|
| 56 | Long-term trends of ozone and precursors from 2013 to 2020 in a megacity (Chengdu), China: Evidence of changing emissions and chemistry. Atmospheric Research, 2022, 278, 106309.  | 1.8               | 12             |
| 57 | Can Column Formaldehyde Observations Inform Air Quality Monitoring Strategies for Ozone and<br>Related Photochemical Oxidants?. Journal of Geophysical Research D: Atmospheres, 2022, 127, .   | 1.2               | 5              |
| 58 | Trends and characteristics of ozone and nitrogen dioxide related health impacts in Chinese cities.<br>Ecotoxicology and Environmental Safety, 2022, 241, 113808.   | 2.9               | 8              |
| 59 | Long-term trend in surface ozone in Houston-Galveston-Brazoria: Sectoral contributions based on changes in volatile organic compounds. Environmental Pollution, 2022, 308, 119647.   | 3.7               | 6              |
| 60 | Observations and Explicit Modeling of Summer and Autumn Ozone Formation in Urban Beijing:<br>Identification of Key Precursor Species and Sources. SSRN Electronic Journal, 0, , .  | 0.4               | 0              |
| 61 | Impacts of TROPOMI-Derived NO <sub><i>X</i></sub> Emissions on NO <sub>2</sub> and O <sub>3</sub> Simulations in the NCP during COVID-19. ACS Environmental Au, 2022, 2, 441-454.  | 3.3               | 2              |
| 62 | Simultaneous Removal of SO2 and NO by O3 Oxidation Combined with Seawater as Absorbent.<br>Processes, 2022, 10, 1449.  | 1.3               | 1              |
| 63 | Evaluating NO <sub><i>x</i></sub> emissions and their effect on O <sub>3</sub> production in Texas<br>using TROPOMI NO <sub>2</sub> and HCHO. Atmospheric Chemistry and Physics, 2022, 22, 10875-10900.                                  | 1.9               | 16             |
| 64 | Influence of using different chemical mechanisms on simulations of ozone and its precursors in the troposphere of Shanghai, China. Atmospheric Environment, 2022, 289, 119299.   | 1.9               | 3              |
| 65 | Odor characteristics and health risks during food waste bioconversion by housefly (Musca) Tj ETQq1 1 0.78431   | 4 rgBT /Ov<br>4.6 | erlgck 10 Tf 5 |
| 66 | The research hotspots and trends of volatile organic compound emissions from anthropogenic and natural sources: A systematic quantitative review. Environmental Research, 2023, 216, 114386.   | 3.7               | 14             |
| 67 | Elucidating Contributions of Anthropogenic Volatile Organic Compounds and Particulate Matter to<br>Ozone Trends over China. Environmental Science & Technology, 2022, 56, 12906-12916.   | 4.6               | 30             |
| 68 | Changing ozone sensitivity in the South Coast Air Basin during the COVID-19 period. Atmospheric<br>Chemistry and Physics, 2022, 22, 12985-13000.   | 1.9               | 6              |
| 69 | Analysis of Vertical Distribution Changes and Influencing Factors of Tropospheric Ozone in China<br>from 2005 to 2020 Based on Multi-Source Data. International Journal of Environmental Research and<br>Public Health, 2022, 19, 12653. | 1.2               | 0              |
| 70 | Daily Satellite Observations of Nitrogen Dioxide Air Pollution Inequality in New York City, New York<br>and Newark, New Jersey: Evaluation and Application. Environmental Science & Technology, 2022, 56,<br>15298-15311.                | 4.6               | 12             |
| 71 | Factors Influencing O3 Concentration in Traffic and Urban Environments: A Case Study of Guangzhou<br>City. International Journal of Environmental Research and Public Health, 2022, 19, 12961.   | 1.2               | 3              |
| 72 | Investigating Changes in Ozone Formation Chemistry during Summertime Pollution Events over the Northeastern United States. Environmental Science & amp; Technology, 2022, 56, 15312-15327.   | 4.6               | 12             |
|    |  |                   |                |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 74 | What caused ozone pollution during the 2022 Shanghai lockdown? Insights from ground and satellite observations. Atmospheric Chemistry and Physics, 2022, 22, 14455-14466.  | 1.9 | 10        |
| 75 | Insights from ozone and particulate matter pollution control in New York City applied to Beijing. Npj<br>Climate and Atmospheric Science, 2022, 5, .   | 2.6 | 4         |
| 76 | Trends of ambient O3 levels associated with O3 precursor gases and meteorology in California:<br>Synergies from ground and satellite observations. Remote Sensing of Environment, 2023, 284, 113358.   | 4.6 | 2         |
| 77 | Diagnosing ozone–NO <sub><i>x</i></sub> –VOC sensitivity and revealing causes of ozone increases in<br>China based on 2013–2021 satellite retrievals. Atmospheric Chemistry and Physics, 2022, 22, 15035-15047.                              | 1.9 | 37        |
| 78 | Health Impacts of Surface Ozone in Outdoor and Indoor Environments of Hattar Industrial Units, KPK,<br>Pakistan. Atmosphere, 2022, 13, 2002.   | 1.0 | 2         |
| 79 | The Vertical Distribution of VOCs and Their Impact on the Environment: A Review. Atmosphere, 2022, 13, 1940.   | 1.0 | 2         |
| 80 | Meteorological mechanisms of regional PM2.5 and O3 transport in the North China Plain driven by the<br>East Asian monsoon. Atmospheric Pollution Research, 2023, 14, 101638.   | 1.8 | 5         |
| 81 | Meteorological and chemical controls on surface ozone diurnal variability in Beijing: A clustering-based perspective. Atmospheric Environment, 2023, 295, 119566.  | 1.9 | 6         |
| 82 | Impacts of urbanization on air quality and the related health risks in a city with complex terrain.<br>Atmospheric Chemistry and Physics, 2023, 23, 771-788.   | 1.9 | 5         |
| 83 | 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        |
| 84 | Investigating sensitivity of ozone to emission reductions in the New York City (NYC) metropolitan and downwind areas. Atmospheric Environment, 2023, 301, 119675.  | 1.9 | 1         |
| 85 | Research on the ozone formation sensitivity indicator of four urban agglomerations of China using<br>Ozone Monitoring Instrument (OMI) satellite data and ground-based measurements. Science of the<br>Total Environment, 2023, 869, 161679. | 3.9 | 10        |
| 86 | Variable effects of spatial resolution on modeling of nitrogen oxides. Atmospheric Chemistry and Physics, 2023, 23, 3031-3049.   | 1.9 | 2         |
| 87 | Simulation of Neighborhoodâ€5cale Air Quality With Twoâ€Way Coupled WRFâ€CMAQ Over Southern Lake<br>Michigan hicago Region. Journal of Geophysical Research D: Atmospheres, 2023, 128, .   | 1.2 | 5         |
| 88 | MAX-DOAS Measurements of Tropospheric NO2 and HCHO Vertical Profiles at the Longfengshan<br>Regional Background Station in Northeastern China. Sensors, 2023, 23, 3269.  | 2.1 | 3         |

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