

Narendra Ojha

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,773
citations

331259

21
h-index

288905

40
g-index

85
all docs

85
docs citations

85
times ranked

1782
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The influence of temperature on ozone production under varying NO _x conditions – a modelling study. Atmospheric Chemistry and Physics, 2016, 16, 11601-11615. | 1.9 | 146 |
| 2 | Influences of the springtime northern Indian biomass burning over the central Himalayas. Journal of Geophysical Research, 2011, 116, . | 3.3 | 131 |
| 3 | On the widespread enhancement in fine particulate matter across the Indo-Gangetic Plain towards winter. Scientific Reports, 2020, 10, 5862. | 1.6 | 125 |
| 4 | Variabilities in ozone at a semi-urban site in the Indo-Gangetic Plain region: Association with the meteorology and regional processes. Journal of Geophysical Research, 2012, 117, . | 3.3 | 111 |
| 5 | First simultaneous measurements of ozone, CO, and NO _y at a high-altitude regional representative site in the central Himalayas. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1592-1611. | 1.2 | 98 |
| 6 | What controls the seasonal cycle of black carbon aerosols in India?. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7788-7812. | 1.2 | 84 |
| 7 | Analysis of European ozone trends in the period 1995–2014. Atmospheric Chemistry and Physics, 2018, 18, 5589-5605. | 1.9 | 77 |
| 8 | Ozone air quality simulations with WRF-Chem (v3.5.1) over Europe: model evaluation and chemical mechanism comparison. Geoscientific Model Development, 2016, 9, 3699-3728. | 1.3 | 73 |
| 9 | Effects of dust aerosols on tropospheric chemistry during a typical pre-monsoon season dust storm in northern India. Atmospheric Chemistry and Physics, 2014, 14, 6813-6834. | 1.9 | 68 |
| 10 | WRF-Chem simulated surface ozone over south Asia during the pre-monsoon: effects of emission inventories and chemical mechanisms. Atmospheric Chemistry and Physics, 2017, 17, 14393-14413. | 1.9 | 65 |
| 11 | Boundary layer evolution over the central Himalayas from radio wind profiler and model simulations. Atmospheric Chemistry and Physics, 2016, 16, 10559-10572. | 1.9 | 44 |
| 12 | On the processes influencing the vertical distribution of ozone over the central Himalayas: Analysis of yearlong ozonesonde observations. Atmospheric Environment, 2014, 88, 201-211. | 1.9 | 42 |
| 13 | A multi-model comparison of meteorological drivers of surface ozone over Europe. Atmospheric Chemistry and Physics, 2018, 18, 12269-12288. | 1.9 | 42 |
| 14 | EURODELTA-Trends, a multi-model experiment of air quality hindcast in Europe over 1990–2010. Geoscientific Model Development, 2017, 10, 3255-3276. | 1.3 | 41 |
| 15 | Ozone and carbon monoxide over India during the summer monsoon: regional emissions and transport. Atmospheric Chemistry and Physics, 2016, 16, 3013-3032. | 1.9 | 38 |
| 16 | Distribution of volatile organic compounds over Indian subcontinent during winter: WRF-chem simulation versus observations. Environmental Pollution, 2019, 252, 256-269. | 3.7 | 38 |
| 17 | Variations in O ₃ , CO, and CH ₄ over the Bay of Bengal during the summer monsoon season: shipborne measurements and model simulations. Atmospheric Chemistry and Physics, 2017, 17, 257-275. | 1.9 | 32 |
| 18 | Variability in ozone and its precursors over the Bay of Bengal during post monsoon: Transport and emission effects. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,190. | 1.2 | 29 |

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|----|---|-----|-----------|
| 19 | Influences of the boundary layer evolution on surface ozone variations at a tropical rural site in India. <i>Journal of Earth System Science</i> , 2012, 121, 911-922. | 0.6 | 28 |
| 20 | Influence of solar eclipse of 15 January 2010 on surface ozone. <i>Atmospheric Environment</i> , 2011, 45, 1752-1758. | 1.9 | 26 |
| 21 | Secondary ozone peaks in the troposphere over the Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6743-6757. | 1.9 | 25 |
| 22 | Revisiting the crop yield loss in India attributable to ozone. <i>Atmospheric Environment: X</i> , 2019, 1, 100008. | 0.8 | 25 |
| 23 | High-Frequency Vertical Profiling of Meteorological Parameters Using AMF1 Facility during RAWEX at ARIES, Nainital. <i>Current Science</i> , 2016, 111, 132. | 0.4 | 24 |
| 24 | Surface ozone in the Doon Valley of the Himalayan foothills during spring. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19155-19170. | 2.7 | 23 |
| 25 | The changes in near-surface ozone and precursors at two nearby tropical sites during annular solar eclipse of 15 January 2010. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 22 |
| 26 | Variations in carbonaceous species at a high-altitude site in western India: Role of synoptic scale transport. <i>Atmospheric Environment</i> , 2016, 125, 371-382. | 1.9 | 21 |
| 27 | Effects of spatial resolution on WRF v3.8.1 simulated meteorology over the central Himalaya. <i>Geoscientific Model Development</i> , 2021, 14, 1427-1443. | 1.3 | 21 |
| 28 | Model simulations of fungal spore distribution over the Indian region. <i>Atmospheric Environment</i> , 2015, 122, 552-560. | 1.9 | 19 |
| 29 | Evaluation of ambient air quality in Dehradun city during 2011-2014. <i>Journal of Earth System Science</i> , 2019, 128, 1. | 0.6 | 19 |
| 30 | Bioaerosol impact on crop health over India due to emerging fungal diseases (EFDs): an important missing link. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12802-12829. | 2.7 | 19 |
| 31 | Characteristics of VOC Composition at Urban and Suburban Sites of New Delhi, India in Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 1.2 | 18 |
| 32 | First observations of light non-methane hydrocarbons (C ₂ -C ₅) over a high altitude site in the central Himalayas. <i>Atmospheric Environment</i> , 2016, 125, 450-460. | 1.9 | 16 |
| 33 | Tropospheric carbon monoxide over the northern Indian Ocean during winter: influence of inter-continental transport. <i>Climate Dynamics</i> , 2020, 54, 5049-5064. | 1.7 | 16 |
| 34 | Exploring the potential of machine learning for simulations of urban ozone variability. <i>Scientific Reports</i> , 2021, 11, 22513. | 1.6 | 16 |
| 35 | Competing impact of anthropogenic emissions and meteorology on the distribution of trace gases over Indian region. <i>Journal of Atmospheric Chemistry</i> , 2016, 73, 363-380. | 1.4 | 15 |
| 36 | Upper tropospheric CH ₄ and CO affected by the South Asian summer monsoon during the Oxidation Mechanism Observations mission. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1915-1939. | 1.9 | 14 |

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|----|--|-----|-----------|
| 37 | Impact Of COVID-19 Lockdown On Surface Ozone Build-up at an Urban Site In Western India Based On Photochemical Box Modelling. <i>Current Science</i> , 2021, 120, 376. | 0.4 | 12 |
| 38 | O ₃ and CO in the South Asian outflow over the Bay of Bengal: Impact of monsoonal dynamics and chemistry. <i>Atmospheric Environment</i> , 2020, 233, 117610. | 1.9 | 12 |
| 39 | Trends in sulfur dioxide over the Indian subcontinent during 2003–2019. <i>Atmospheric Environment</i> , 2022, 284, 119189. | 1.9 | 11 |
| 40 | Variations of trace gases over the Bay of Bengal during the summer monsoon. <i>Journal of Earth System Science</i> , 2018, 127, 1. | 0.6 | 9 |
| 41 | Ozone chemistry and dynamics at a tropical coastal site impacted by the COVID-19 lockdown. <i>Journal of Earth System Science</i> , 2021, 130, 1. | 0.6 | 9 |
| 42 | Effects of Dry Deposition on Surface Ozone over South Asia Inferred from a Regional Chemical Transport Model. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 321-327. | 1.2 | 8 |
| 43 | Genesis of a Severe Dust Storm Over the Indian Subcontinent: Dynamics and Impacts. <i>Earth and Space Science</i> , 2022, 9, e2021EA001702. | 1.1 | 7 |
| 44 | On the processes governing the variability of PTR-MS based VOCs and OVOCs in different seasons of a year over hillcity mega city of India. <i>Atmospheric Research</i> , 2021, 261, 105736. | 1.8 | 7 |
| 45 | Variations in the Cloud-Base Height over the Central Himalayas during GVAX: Association with the Monsoon Rainfall. <i>Current Science</i> , 2016, 111, 109. | 0.4 | 5 |
| 46 | Photochemical evolution of air in a tropical urban environment of India: A model-based study. <i>Chemosphere</i> , 2022, 297, 134070. | 4.2 | 5 |
| 47 | Complex Interplay Between Organic and Secondary Inorganic Aerosols With Ambient Relative Humidity Implicates the Aerosol Liquid Water Content Over India During Wintertime. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 1.2 | 5 |
| 48 | The influence of local meteorology and convection on carbon monoxide distribution over Chennai. <i>Journal of Earth System Science</i> , 2019, 128, 1. | 0.6 | 4 |
| 49 | Impact of increasing carbon dioxide on dinitrogen and carbon fixation rates under oligotrophic conditions and simulated upwelling. <i>Limnology and Oceanography</i> , 2021, 66, 2855-2867. | 1.6 | 4 |
| 50 | Frequency distribution of pollutant concentrations over Indian megacities impacted by the COVID-19 lockdown. <i>Environmental Science and Pollution Research</i> , 2022, 29, 85676-85687. | 2.7 | 4 |
| 51 | Investigations of vertical wind variations at a mountain top in the Himalaya using Doppler Lidar observations and model simulations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 183, 76-85. | 0.6 | 2 |
| 52 | Distribution of reactive trace gases over South Asia: Observations and modeling. , 2022, , 147-169. | | 2 |
| 53 | Observations of middle atmospheric seasonal variations and study of atmospheric oscillations at equatorial regions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 193, 105066. | 0.6 | 1 |
| 54 | Atmospheric aerosols from open burning in South and Southeast Asia. , 2022, , 75-96. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | The Impact of High-Resolution SRTM Topography and Corine Land Cover on Lightning Calculations in WRF. Atmosphere, 2022, 13, 1050. | 1.0 | 1 |