

# 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	Genesis of a Severe Dust Storm Over the Indian Subcontinent: Dynamics and Impacts. Earth and Space Science, 2022, 9, e2021EA001702.	1.1	7
2	Distribution of reactive trace gases over South Asia: Observations and modeling. , 2022, , 147-169.		2
3	Atmospheric aerosols from open burning in South and Southeast Asia. , 2022, , 75-96.		1
4	Frequency distribution of pollutant concentrations over Indian megacities impacted by the COVID-19 lockdown. Environmental Science and Pollution Research, 2022, 29, 85676-85687.	2.7	4
5	Photochemical evolution of air in a tropical urban environment of India: A model-based study. Chemosphere, 2022, 297, 134070.	4.2	5
6	Trends in sulfur dioxide over the Indian subcontinent during 2003â€“2019. Atmospheric Environment, 2022, 284, 119189.	1.9	11
7	Characteristics of VOC Composition at Urban and Suburban Sites of New Delhi, India in Winter. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	18
8	Complex Interplay Between Organic and Secondary Inorganic Aerosols With Ambient Relative Humidity Implicates the Aerosol Liquid Water Content Over India During Wintertime. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	5
9	The Impact of High-Resolution SRTM Topography and Corine Land Cover on Lightning Calculations in WRF. Atmosphere, 2022, 13, 1050.	1.0	1
10	Impact Of COVID-19 Lockdown On Surface Ozone Build-up at an Urban Site In Western India Based On Photochemical Box Modelling. Current Science, 2021, 120, 376.	0.4	12
11	Effects of spatial resolution on WRF v3.8.1 simulated meteorology over the central Himalaya. Geoscientific Model Development, 2021, 14, 1427-1443.	1.3	21
12	Impact of increasing carbon dioxide on dinitrogen and carbon fixation rates under oligotrophic conditions and simulated upwelling. Limnology and Oceanography, 2021, 66, 2855-2867.	1.6	4
13	Ozone chemistry and dynamics at a tropical coastal site impacted by the COVID-19 lockdown. Journal of Earth System Science, 2021, 130, 1.	0.6	9
14	On the processes governing the variability of PTR-MS based VOCs and OVOCs in different seasons of a year over hillocky mega city of India. Atmospheric Research, 2021, 261, 105736.	1.8	7
15	Exploring the potential of machine learning for simulations of urban ozone variability. Scientific Reports, 2021, 11, 22513.	1.6	16
16	Bioaerosol impact on crop health over India due to emerging fungal diseases (EFDs): an important missing link. Environmental Science and Pollution Research, 2020, 27, 12802-12829.	2.7	19
17	Effects of Dry Deposition on Surface Ozone over South Asia Inferred from a Regional Chemical Transport Model. ACS Earth and Space Chemistry, 2020, 4, 321-327.	1.2	8
18	Tropospheric carbon monoxide over the northern Indian Ocean during winter: influence of inter-continental transport. Climate Dynamics, 2020, 54, 5049-5064.	1.7	16

#	ARTICLE	IF	CITATIONS
19	On the widespread enhancement in fine particulate matter across the Indo-Gangetic Plain towards winter. <i>Scientific Reports</i> , 2020, 10, 5862.	1.6	125
20	O <sub>3</sub> 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
21	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
22	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
23	Distribution of volatile organic compounds over Indian subcontinent during winter: WRF-chem simulation versus observations. <i>Environmental Pollution</i> , 2019, 252, 256-269.	3.7	38
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	Evaluation of ambient air quality in Dehradun city during 2011–2014. <i>Journal of Earth System Science</i> , 2019, 128, 1.	0.6	19
26	Upper tropospheric CH <sub>4</sub> 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
27	Revisiting the crop yield loss in India attributable to ozone. <i>Atmospheric Environment: X</i> , 2019, 1, 100008.	0.8	25
28	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
29	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
30	A multi-model comparison of meteorological drivers of surface ozone over Europe. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12269-12288.	1.9	42
31	Analysis of European ozone trends in the period 1995–2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5589-5605.	1.9	77
32	Secondary ozone peaks in the troposphere over the Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6743-6757.	1.9	25
33	WRF-Chem simulated surface ozone over south Asia during the pre-monsoon: effects of emission inventories and chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14393-14413.	1.9	65
34	Variations in O <sub>3</sub> , CO, and CH <sub>4</sub> over the Bay of Bengal during the summer monsoon season: shipborne measurements and model simulations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 257-275.	1.9	32
35	EURODELTA-Trends, a multi-model experiment of air quality hindcast in Europe over 1990–2010. <i>Geoscientific Model Development</i> , 2017, 10, 3255-3276.	1.3	41
36	Ozone air quality simulations with WRF-Chem (v3.5.1) over Europe: model evaluation and chemical mechanism comparison. <i>Geoscientific Model Development</i> , 2016, 9, 3699-3728.	1.3	73

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37	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
38	Boundary layer evolution over the central Himalayas from radio wind profiler and model simulations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10559-10572.	1.9	44
39	The influence of temperature on ozone production under varying NO <sub>x</sub> conditions – a modelling study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11601-11615.	1.9	146
40	Ozone and carbon monoxide over India during the summer monsoon: regional emissions and transport. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3013-3032.	1.9	38
41	First observations of light non-methane hydrocarbons (C <sub>2</sub> –C <sub>5</sub> ) over a high altitude site in the central Himalayas. <i>Atmospheric Environment</i> , 2016, 125, 450-460.	1.9	16
42	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
43	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
44	High-Frequency Vertical Profiling of Meteorological Parameters Using AMF1 Facility during RAWEX–GVAX at ARIES, Nainital. <i>Current Science</i> , 2016, 111, 132.	0.4	24
45	What controls the seasonal cycle of black carbon aerosols in India?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7788-7812.	1.2	84
46	Model simulations of fungal spore distribution over the Indian region. <i>Atmospheric Environment</i> , 2015, 122, 552-560.	1.9	19
47	On the processes influencing the vertical distribution of ozone over the central Himalayas: Analysis of yearlong ozonesonde observations. <i>Atmospheric Environment</i> , 2014, 88, 201-211.	1.9	42
48	Effects of dust aerosols on tropospheric chemistry during a typical pre-monsoon season dust storm in northern India. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6813-6834.	1.9	68
49	First simultaneous measurements of ozone, CO, and NO <sub>y</sub> at a high-altitude regional representative site in the central Himalayas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1592-1611.	1.2	98
50	Variability in ozone and its precursors over the Bay of Bengal during post monsoon: Transport and emission effects. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,190.	1.2	29
51	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
52	Variabilities in ozone at a semi-urban site in the Indo-Gangetic Plain region: Association with the meteorology and regional processes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	111
53	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
54	Influences of the springtime northern Indian biomass burning over the central Himalayas. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	131

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55	Influence of solar eclipse of 15 January 2010 on surface ozone. Atmospheric Environment, 2011, 45, 1752-1758.	1.9	26