

# Deepika Bhattu

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

970  
citations

394421

19  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time measurement and source apportionment of elements in Delhi's atmosphere. <i>Science of the Total Environment</i> , 2020, 742, 140332.	8.0	78
2	Real-time measurements of ambient aerosols in a polluted Indian city: Sources, characteristics, and processing of organic aerosols during foggy and nonfoggy periods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9006-9019.	3.3	68
3	CCN closure study: Effects of aerosol chemical composition and mixing state. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 766-783.	3.3	66
4	Chemical characterization of PM <sub>2.5</sub> and source apportionment of organic aerosol in New Delhi, India. <i>Science of the Total Environment</i> , 2020, 745, 140924.	8.0	60
5	Gas-phase composition and secondary organic aerosol formation from standard and particle filter-retrofitted gasoline direct injection vehicles investigated in a batch and flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9929-9954.	4.9	57
6	Chemical Characterization of Summertime Dust Events at Kanpur: Insight into the Sources and Level of Mixing with Anthropogenic Emissions. <i>Aerosol and Air Quality Research</i> , 2014, 14, 879-891.	2.1	51
7	Temporal and spatial variability of carbonaceous species (EC; OC; WSOC and SOA) in PM <sub>2.5</sub> aerosol over five sites of Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2021, 12, 375-390.	3.8	44
8	Real-Time Measurements of PM <sub>2.5</sub> Oxidative Potential Using a Dithiothreitol Assay in Delhi, India. <i>Environmental Science and Technology Letters</i> , 2020, 7, 504-510.	8.7	42
9	Source characterization of volatile organic compounds measured by proton-transfer-reaction time-of-flight mass spectrometers in Delhi, India. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9753-9770.	4.9	42
10	Sub-micron particle number size distributions characteristics at an urban location, Kanpur, in the Indo-Gangetic Plain. <i>Atmospheric Research</i> , 2014, 147-148, 121-132.	4.1	38
11	Seasonal inhomogeneity in cloud precursors over Gangetic Himalayan region during GVAX campaign. <i>Atmospheric Research</i> , 2015, 155, 158-175.	4.1	36
12	Effect of Stove Technology and Combustion Conditions on Gas and Particulate Emissions from Residential Biomass Combustion. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2209-2219.	10.0	35
13	Real-time characterization and source apportionment of fine particulate matter in the Delhi megacity area during late winter. <i>Science of the Total Environment</i> , 2021, 770, 145324.	8.0	35
14	An overview of the physico-chemical characteristics of dust at Kanpur in the central Indo-Gangetic basin. <i>Atmospheric Environment</i> , 2014, 97, 386-396.	4.1	34
15	Particle-bound reactive oxygen species (PB-ROS) emissions and formation pathways in residential wood smoke under different combustion and aging conditions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6985-7000.	4.9	31
16	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14703-14720.	4.9	31
17	Equal abundance of summertime natural and wintertime anthropogenic Arctic organic aerosols. <i>Nature Geoscience</i> , 2022, 15, 196-202.	12.9	31
18	Inter-seasonal variability in size-resolved CCN properties at Kanpur, India. <i>Atmospheric Environment</i> , 2014, 85, 161-168.	4.1	27

#	ARTICLE	IF	CITATIONS
19	CCN closure results from Indian Continental Tropical Convergence Zone (CTCZ) aircraft experiment. Atmospheric Research, 2013, 132-133, 322-331.	4.1	20
20	Sources and characteristics of light-absorbing fine particulates over Delhi through the synergy of real-time optical and chemical measurements. Atmospheric Environment, 2021, 252, 118338.	4.1	20
21	Highly time-resolved measurements of element concentrations in PM <sub>10</sub> and PM <sub>2.5</sub> ; comparison of Delhi, Beijing, London, and Krakow. Atmospheric Chemistry and Physics, 2021, 21, 717-730.	4.9	19
22	Deriving aerosol hygroscopic mixing state from size-resolved CCN activity and HR-ToF-AMS measurements. Atmospheric Environment, 2016, 142, 57-70.	4.1	18
23	Characteristics of VOC Composition at Urban and Suburban Sites of New Delhi, India in Winter. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	18
24	Highly time resolved chemical characterization of submicron organic aerosols at a polluted urban location. Environmental Sciences: Processes and Impacts, 2016, 18, 1285-1296.	3.5	17
25	Morphology, Mineralogy and Mixing of Individual Atmospheric Particles Over Kanpur (IGP): Relevance of Homogeneous Equivalent Sphere Approximation in Radiative Models. Mapan - Journal of Metrology Society of India, 2017, 32, 229-241.	1.5	16
26	Photodegradation of $\alpha$ -Pinene Secondary Organic Aerosol Dominated by Moderately Oxidized Molecules. Environmental Science & Technology, 2021, 55, 6936-6943.	10.0	11
27	Highly time-resolved chemical speciation and source apportionment of organic aerosol components in Delhi, India, using extractive electrospray ionization mass spectrometry. Atmospheric Chemistry and Physics, 2022, 22, 7739-7761.	4.9	11
28	Mitigation of Secondary Organic Aerosol Formation from Log Wood Burning Emissions by Catalytic Removal of Aromatic Hydrocarbons. Environmental Science & Technology, 2018, 52, 13381-13390.	10.0	10
29	Evolution of size and composition of fine particulate matter in the Delhi megacity during later winter. Atmospheric Environment, 2021, 267, 118752.	4.1	3
30	Chemical composition and sources of organic aerosol on the Adriatic coast in Croatia. Atmospheric Environment: X, 2022, 13, 100159.	1.4	0