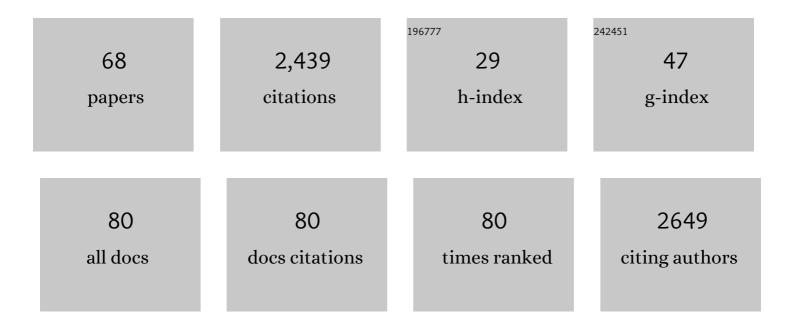
## Neeraj Rastogi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9351678/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Gridded distribution of total suspended particulate matter (TSP) and their chemical characterization over Delhi during winter. Environmental Science and Pollution Research, 2022, 29, 17892-17918. Inter-comparison of online and offline methods for measuring ambient heavy and trace elements and	2.7	8
2	water-soluble inorganic ions (NO <sub>3</sub> <sup>â^</sup> ,) Tj ETQq0 0 (	) rgBT /Overl 1.2	ock 10 Tf 50 10
3	chemical speciation and source apportionment of ambient PM2.5 in New Delhi before, during, and after the Diwali fireworks. Atmospheric Pollution Research, 2022, 13, 101428.	1.8	7
4	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
5	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.	1.9	11
6	Oxidative potential and hydroxyl radical generation capacity of ambient PM2.5 over a high-altitude site in northeastern Himalaya: Role of long-range transport. Atmospheric Environment, 2022, 287, 119263.	1.9	7
7	Temporal and spatial variability of carbonaceous species (EC; OC; WSOC and SOA) in PM2.5 aerosol over five sites of Indo-Gangetic Plain. Atmospheric Pollution Research, 2021, 12, 375-390.	1.8	44
8	Oxidative potential of atmospheric PM10 at five different sites of Ahmedabad, a big city in Western India. Environmental Pollution, 2021, 268, 115909.	3.7	22
9	Oxidative Potential of Ambient PM and Related Health Endpoints over South Asia: A Review. Asian Journal of Atmospheric Environment, 2021, 15, 1-11.	0.4	9
10	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.	1.9	20
11	Effect of COVID-19 lockdown on the concentration and composition of NR-PM2.5 over Ahmedabad, a big city in western India. Urban Climate, 2021, 37, 100818.	2.4	6
12	Real-time characterization and source apportionment of fine particulate matter in the Delhi megacity area during late winter. Science of the Total Environment, 2021, 770, 145324.	3.9	35
13	Size-segregated aerosols over a high altitude Himalayan and a tropical urban metropolis in Eastern India: Chemical characterization, light absorption, role of meteorology and long range transport. Atmospheric Environment, 2021, 254, 118398.	1.9	28
14	Remarkably High Oxidative Potential of Atmospheric PM <sub>2.5</sub> Coming from a Large-Scale Paddy-Residue Burning over the Northwestern Indo-Gangetic Plain. ACS Earth and Space Chemistry, 2021, 5, 2442-2452.	1.2	9
15	Real-time quantification and source apportionment of fine particulate matter including organics and elements in Delhi during summertime. Atmospheric Environment, 2021, 261, 118598.	1.9	23
16	Health impact assessment from exposure to trace metals present in atmospheric PM10 at Ahmedabad, a big city in western India. Environmental Monitoring and Assessment, 2021, 193, 663.	1.3	3
17	Diurnal variability in the spectral characteristics and sources of water-soluble brown carbon aerosols over Delhi. Science of the Total Environment, 2021, 794, 148589.	3.9	20
18	Evolution of size and composition of fine particulate matter in the Delhi megacity during later winter. Atmospheric Environment, 2021, 267, 118752.	1.9	3

NEERAJ RASTOGI

#	Article	IF	CITATIONS
19	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.	1.9	19
20	Air Pollution in New Delhi during Late Winter: An Overview of a Group of Campaign Studies Focusing on Composition and Sources. Atmosphere, 2021, 12, 1432.	1.0	13
21	Chemical Composition and Oxidative Potential of Atmospheric PM <sub>10</sub> over the Arabian Sea. ACS Earth and Space Chemistry, 2020, 4, 112-121.	1.2	24
22	Real-Time Measurements of PM <sub>2.5</sub> Oxidative Potential Using a Dithiothreitol Assay in Delhi, India. Environmental Science and Technology Letters, 2020, 7, 504-510.	3.9	42
23	Change in characteristics of water-soluble and water-insoluble brown carbon aerosols during a large-scale biomass burning. Environmental Science and Pollution Research, 2020, 27, 33339-33350.	2.7	30
24	VolKilau: Volcano Rapid Response Balloon Campaign during the 2018 Kilauea Eruption. Bulletin of the American Meteorological Society, 2020, 101, E1602-E1618.	1.7	12
25	Real-time measurement and source apportionment of elements in Delhi's atmosphere. Science of the Total Environment, 2020, 742, 140332.	3.9	78
26	Chemical and isotopic characteristics of PM10 over the Bay of Bengal: Effects of continental outflow on a marine environment. Science of the Total Environment, 2020, 726, 138438.	3.9	27
27	Source characterization of volatile organic compounds measured by proton-transfer-reaction time-of-flight mass spectrometers in Delhi, India. Atmospheric Chemistry and Physics, 2020, 20, 9753-9770.	1.9	42
28	On the Use of Brown Carbon Spectra as a Tool to Understand Their Broader Composition and Characteristics: A Case Study from Crop-residue Burning Samples. ACS Omega, 2019, 4, 1847-1853.	1.6	39
29	Characteristics and sources of fine organic aerosol over a big semi-arid urban city of western India using HR-ToF-AMS. Atmospheric Environment, 2019, 208, 103-112.	1.9	26
30	Evolution of Aerosol Size and Composition in the Indo-Gangetic Plain: Size-Resolved Analysis of High-Resolution Aerosol Mass Spectra. ACS Earth and Space Chemistry, 2019, 3, 823-832.	1.2	7
31	Characteristics of submicron particles coming from a big firecrackers burning event: Implications to atmospheric pollution. Atmospheric Pollution Research, 2019, 10, 629-634.	1.8	21
32	Quantification of organic carbon from biomass versus non-biomass burning emissions to fine aerosol. Proceedings of the Indian National Science Academy, 2019, , .	0.5	2
33	Oxidative potential of ambient fine aerosol over a semi-urban site in the Indo-Gangetic Plain. Atmospheric Environment, 2018, 175, 127-134.	1.9	57
34	BATAL: The Balloon Measurement Campaigns of the Asian Tropopause Aerosol Layer. Bulletin of the American Meteorological Society, 2018, 99, 955-973.	1.7	74
35	Absorbing Refractive Index and Direct Radiative Forcing of Atmospheric Brown Carbon over Gangetic Plain. ACS Earth and Space Chemistry, 2018, 2, 31-37.	1.2	36
36	Seasonal variability in chemical composition and oxidative potential of ambient aerosol over a high altitude site in western India. Science of the Total Environment, 2018, 644, 1268-1276.	3.9	30

Neeraj Rastogi

#	Article	IF	CITATIONS
37	Temporal Characteristics of Brown Carbon over the Central Indo-Gangetic Plain. Environmental Science & Technology, 2017, 51, 6765-6772.	4.6	107
38	Oxidative Potential of Ambient Aerosols:An Indian Perspective. Current Science, 2017, 112, 35.	0.4	12
39	Size-Segregated Characteristics of Carbonaceous Aerosols over the Northwestern Indo-Gangetic Plain: Year Round Temporal Behavior. Aerosol and Air Quality Research, 2016, 16, 1615-1624.	0.9	21
40	Seasonality in size-segregated ionic composition of ambient particulate pollutants over the Indo-Gangetic Plain: Source apportionment using PMF. Environmental Pollution, 2016, 219, 906-915.	3.7	37
41	Absorbing and scattering aerosols over the source region of biomass burning emissions: Implications in the assessment of optical and radiative properties. Atmospheric Environment, 2016, 127, 61-68.	1.9	9
42	Characterization and radiative impact of dust aerosols over northwestern part of India: a case study during a severe dust storm. Meteorology and Atmospheric Physics, 2016, 128, 779-792.	0.9	36
43	Mass absorption efficiency of light absorbing organic aerosols from source region of paddy-residue burning emissions in the Indo-Gangetic Plain. Atmospheric Environment, 2016, 125, 360-370.	1.9	119
44	Temporal variability of primary and secondary aerosols over northern India: Impact of biomass burning emissions. Atmospheric Environment, 2016, 125, 396-403.	1.9	110
45	Inter and Intra-Annual Variability in Aerosol Characteristics over Northwestern Indo-Gangetic Plain. Aerosol and Air Quality Research, 2015, 15, 376-386.	0.9	33
46	Diurnal Variability in Secondary Organic Aerosol Formation over the Indo-Gangetic Plain during Winter Using Online Measurement of Water-Soluble Organic Carbon. Aerosol and Air Quality Research, 2015, 15, 2225-2231.	0.9	43
47	Chemical characteristics of PM2.5 at a source region of biomass burning emissions: Evidence for secondary aerosol formation. Environmental Pollution, 2014, 184, 563-569.	3.7	121
48	The combined effects of physicochemical properties of size-fractionated ambient particulate matter on in vitro toxicity in human A549 lung epithelial cells. Toxicology Reports, 2014, 1, 145-156.	1.6	72
49	Particulate and gas sampling of prescribed fires in South Georgia, USA. Atmospheric Environment, 2013, 81, 125-135.	1.9	22
50	Characterization of the University of Toronto Concentrated Aerosol Particle Exposure Facility (CAPEF)—Effects on Fine and Ultrafine Nonrefractory Aerosol Composition. Aerosol Science and Technology, 2012, 46, 697-707.	1.5	8
51	Physical Characterization of the University of Toronto Coarse, Fine, and Ultrafine High-Volume Particle Concentrator Systems. Aerosol Science and Technology, 2012, 46, 1015-1024.	1.5	12
52	Mixing state and compositional effects on CCN activity and droplet growth kinetics of size-resolved CCN in an urban environment. Atmospheric Chemistry and Physics, 2012, 12, 10239-10255.	1.9	49
53	Comparative cardiopulmonary effects of size-fractionated airborne particulate matter. Inhalation Toxicology, 2012, 24, 161-171.	0.8	44
54	Filterable water-soluble organic nitrogen in fine particles over the southeastern USA during summer. Atmospheric Environment, 2011, 45, 6040-6047.	1.9	44

Neeraj Rastogi

#	Article	IF	CITATIONS
55	Anthropogenic sulphate aerosols and large Cl-deficit in marine atmospheric boundary layer of tropical Bay of Bengal. Journal of Atmospheric Chemistry, 2010, 66, 1-10.	1.4	37
56	Annual and seasonal variability of ambient aerosols over an urban region in western India. Atmospheric Environment, 2010, 44, 1200-1208.	1.9	11
57	Characterization of soluble iron in urban aerosols using nearâ€real time data. Journal of Geophysical Research, 2010, 115, .	3.3	39
58	Source identification of ambient aerosols over an urban region in western India. Journal of Environmental Monitoring, 2010, 12, 1330.	2.1	17
59	Cytotoxic and proinflammatory effects of ambient and source-related particulate matter (PM) in relation to the production of reactive oxygen species (ROS) and cytokine adsorption by particles. Inhalation Toxicology, 2010, 22, 37-47.	0.8	113
60	Quantitative chemical composition and characteristics of aerosols over western India: One-year record of temporal variability. Atmospheric Environment, 2009, 43, 3481-3488.	1.9	104
61	New Technique for Online Measurement of Water-Soluble Fe(II) in Atmospheric Aerosols. Environmental Science & Technology, 2009, 43, 2425-2430.	4.6	27
62	Atmospheric <sup>210</sup> Pb and <sup>7</sup> Be in ambient aerosols over low―and highâ€altitude sites in semiarid region: Temporal variability and transport processes. Journal of Geophysical Research, 2008, 113, .	3.3	26
63	Chemistry of Precipitation Events and Inter-Relationship with Ambient Aerosols over a Semi-Arid Region in Western India. Journal of Atmospheric Chemistry, 2007, 56, 149-163.	1.4	22
64	Chemistry of aerosols over a semi-arid region: Evidence for acid neutralization by mineral dust. Geophysical Research Letters, 2006, 33, .	1.5	66
65	Inter-annual variation in atmospheric Δ14C over the Northern Indian Ocean. Atmospheric Environment, 2006, 40, 4501-4512.	1.9	11
66	Atmospheric Abundances of Nitrogen Species in Rain and Aerosols Over a Semi-Arid Region: Sources and Deposition Fluxes. Aerosol and Air Quality Research, 2006, 6, 406-417.	0.9	10
67	Chemical characteristics of individual rain events from a semi-arid region in India: Three-year study. Atmospheric Environment, 2005, 39, 3313-3323.	1.9	93
68	Long-term characterization of ionic species in aerosols from urban and high-altitude sites in western India: Role of mineral dust and anthropogenic sources. Atmospheric Environment, 2005, 39, 5541-5554.	1.9	101