

Neeraj Rastogi

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,439
citations

196777

29
h-index

242451

47
g-index

80
all docs

80
docs citations

80
times ranked

2649
citing authors

#	ARTICLE	IF	CITATIONS
19	Highly time-resolved measurements of element concentrations in PM ₁₀ and PM _{2.5} ; comparison of Delhi, Beijing, London, and Krakow. <i>Atmospheric Chemistry and Physics</i> , 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. <i>Atmosphere</i> , 2021, 12, 1432.	1.0	13
21	Chemical Composition and Oxidative Potential of Atmospheric PM ₁₀ over the Arabian Sea. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 112-121.	1.2	24
22	Real-Time Measurements of PM _{2.5} Oxidative Potential Using a Dithiothreitol Assay in Delhi, India. <i>Environmental Science and Technology Letters</i> , 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. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33339-33350.	2.7	30
24	VolKilau: Volcano Rapid Response Balloon Campaign during the 2018 Kilauea Eruption. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1602-E1618.	1.7	12
25	Real-time measurement and source apportionment of elements in Delhi's atmosphere. <i>Science of the Total Environment</i> , 2020, 742, 140332.	3.9	78
26	Chemical and isotopic characteristics of PM ₁₀ over the Bay of Bengal: Effects of continental outflow on a marine environment. <i>Science of the Total Environment</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 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. <i>ACS Omega</i> , 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. <i>Atmospheric Environment</i> , 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. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 823-832.	1.2	7
31	Characteristics of submicron particles coming from a big firecrackers burning event: Implications to atmospheric pollution. <i>Atmospheric Pollution Research</i> , 2019, 10, 629-634.	1.8	21
32	Quantification of organic carbon from biomass versus non-biomass burning emissions to fine aerosol. <i>Proceedings of the Indian National Science Academy</i> , 2019, , .	0.5	2
33	Oxidative potential of ambient fine aerosol over a semi-urban site in the Indo-Gangetic Plain. <i>Atmospheric Environment</i> , 2018, 175, 127-134.	1.9	57
34	BATAL: The Balloon Measurement Campaigns of the Asian Tropopause Aerosol Layer. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 955-973.	1.7	74
35	Absorbing Refractive Index and Direct Radiative Forcing of Atmospheric Brown Carbon over Gangetic Plain. <i>ACS Earth and Space Chemistry</i> , 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. <i>Science of the Total Environment</i> , 2018, 644, 1268-1276.	3.9	30

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37	Temporal Characteristics of Brown Carbon over the Central Indo-Gangetic Plain. <i>Environmental Science & Technology</i> , 2017, 51, 6765-6772.	4.6	107
38	Oxidative Potential of Ambient Aerosols: An Indian Perspective. <i>Current Science</i> , 2017, 112, 35.	0.4	12
39	Size-Segregated Characteristics of Carbonaceous Aerosols over the Northwestern Indo-Gangetic Plain: Year Round Temporal Behavior. <i>Aerosol and Air Quality Research</i> , 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. <i>Environmental Pollution</i> , 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. <i>Atmospheric Environment</i> , 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. <i>Meteorology and Atmospheric Physics</i> , 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. <i>Atmospheric Environment</i> , 2016, 125, 360-370.	1.9	119
44	Temporal variability of primary and secondary aerosols over northern India: Impact of biomass burning emissions. <i>Atmospheric Environment</i> , 2016, 125, 396-403.	1.9	110
45	Inter and Intra-Annual Variability in Aerosol Characteristics over Northwestern Indo-Gangetic Plain. <i>Aerosol and Air Quality Research</i> , 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. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2225-2231.	0.9	43
47	Chemical characteristics of PM _{2.5} at a source region of biomass burning emissions: Evidence for secondary aerosol formation. <i>Environmental Pollution</i> , 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. <i>Toxicology Reports</i> , 2014, 1, 145-156.	1.6	72
49	Particulate and gas sampling of prescribed fires in South Georgia, USA. <i>Atmospheric Environment</i> , 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. <i>Aerosol Science and Technology</i> , 2012, 46, 697-707.	1.5	8
51	Physical Characterization of the University of Toronto Coarse, Fine, and Ultrafine High-Volume Particle Concentrator Systems. <i>Aerosol Science and Technology</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10239-10255.	1.9	49
53	Comparative cardiopulmonary effects of size-fractionated airborne particulate matter. <i>Inhalation Toxicology</i> , 2012, 24, 161-171.	0.8	44
54	Filterable water-soluble organic nitrogen in fine particles over the southeastern USA during summer. <i>Atmospheric Environment</i> , 2011, 45, 6040-6047.	1.9	44

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55	Anthropogenic sulphate aerosols and large Cl-deficit in marine atmospheric boundary layer of tropical Bay of Bengal. <i>Journal of Atmospheric Chemistry</i> , 2010, 66, 1-10.	1.4	37
56	Annual and seasonal variability of ambient aerosols over an urban region in western India. <i>Atmospheric Environment</i> , 2010, 44, 1200-1208.	1.9	11
57	Characterization of soluble iron in urban aerosols using near-real time data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
58	Source identification of ambient aerosols over an urban region in western India. <i>Journal of Environmental Monitoring</i> , 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. <i>Inhalation Toxicology</i> , 2010, 22, 37-47.	0.8	113
60	Quantitative chemical composition and characteristics of aerosols over western India: One-year record of temporal variability. <i>Atmospheric Environment</i> , 2009, 43, 3481-3488.	1.9	104
61	New Technique for Online Measurement of Water-Soluble Fe(II) in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2009, 43, 2425-2430.	4.6	27
62	Atmospheric ²¹⁰ Pb and ⁷ Be in ambient aerosols over low- and high-altitude sites in semiarid region: Temporal variability and transport processes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
63	Chemistry of Precipitation Events and Inter-Relationship with Ambient Aerosols over a Semi-Arid Region in Western India. <i>Journal of Atmospheric Chemistry</i> , 2007, 56, 149-163.	1.4	22
64	Chemistry of aerosols over a semi-arid region: Evidence for acid neutralization by mineral dust. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	66
65	Inter-annual variation in atmospheric ¹⁴ C over the Northern Indian Ocean. <i>Atmospheric Environment</i> , 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. <i>Aerosol and Air Quality Research</i> , 2006, 6, 406-417.	0.9	10
67	Chemical characteristics of individual rain events from a semi-arid region in India: Three-year study. <i>Atmospheric Environment</i> , 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. <i>Atmospheric Environment</i> , 2005, 39, 5541-5554.	1.9	101