

Neeraj Rastogi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9351678/publications.pdf>

Version: 2024-02-01

68
papers

2,439
citations

172386

29
h-index

214721

47
g-index

80
all docs

80
docs citations

80
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Temporal Characteristics of Brown Carbon over the Central Indo-Gangetic Plain. <i>Environmental Science & Technology</i> , 2017, 51, 6765-6772.	4.6	107
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Comparative cardiopulmonary effects of size-fractionated airborne particulate matter. <i>Inhalation Toxicology</i> , 2012, 24, 161-171.	0.8	44
17	Temporal and spatial variability of carbonaceous species (EC; OC; WSOC and SOA) in PM _{2.5} aerosol over five sites of Indo-Gangetic Plain. <i>Atmospheric Pollution Research</i> , 2021, 12, 375-390.	1.8	44
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Characterization of soluble iron in urban aerosols using near-real time data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
22	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
23	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
24	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
25	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
26	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
27	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.	3.9	35
28	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
29	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
30	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
31	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. <i>Atmospheric Environment</i> , 2021, 254, 118398.	1.9	28
32	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
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Real-time quantification and source apportionment of fine particulate matter including organics and elements in Delhi during summertime. <i>Atmospheric Environment</i> , 2021, 261, 118598.	1.9	23
38	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
39	Particulate and gas sampling of prescribed fires in South Georgia, USA. <i>Atmospheric Environment</i> , 2013, 81, 125-135.	1.9	22
40	Oxidative potential of atmospheric PM10 at five different sites of Ahmedabad, a big city in Western India. <i>Environmental Pollution</i> , 2021, 268, 115909.	3.7	22
41	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
42	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
43	Sources and characteristics of light-absorbing fine particulates over Delhi through the synergy of real-time optical and chemical measurements. <i>Atmospheric Environment</i> , 2021, 252, 118338.	1.9	20
44	Diurnal variability in the spectral characteristics and sources of water-soluble brown carbon aerosols over Delhi. <i>Science of the Total Environment</i> , 2021, 794, 148589.	3.9	20
45	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
46	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
47	Source identification of ambient aerosols over an urban region in western India. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1330.	2.1	17
48	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
49	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
50	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
51	Oxidative Potential of Ambient Aerosols: An Indian Perspective. <i>Current Science</i> , 2017, 112, 35.	0.4	12
52	Inter-annual variation in atmospheric $\delta^{14}C$ over the Northern Indian Ocean. <i>Atmospheric Environment</i> , 2006, 40, 4501-4512.	1.9	11
53	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
54	Highly time-resolved chemical speciation and source apportionment of organic aerosol components in Delhi, India, using extractive electrospray ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7739-7761.	1.9	11

