

Tuhin Kumar Mandal

List of Publications by Year in descending order

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56
papers

2,405
citations

186209

28
h-index

214721

47
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all docs

57
docs citations

57
times ranked

1965
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal characteristics of aerosols (PM _{2.5} and PM ₁₀) and their source apportionment using PMF: A four year study over Delhi, India. <i>Environmental Pollution</i> , 2020, 262, 114337.	3.7	182
2	Source Apportionment of PM _{2.5} in Delhi, India Using PMF Model. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 286-293.	1.3	127
3	Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathways. <i>Atmospheric Environment</i> , 2017, 154, 200-224.	1.9	119
4	Chemical characteristics and source apportionment of PM _{2.5} using PCA/APCS, UNMIX, and PMF at an urban site of Delhi, India. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14637-14656.	2.7	113
5	Variation of OC, EC, WSIC and trace metals of PM ₁₀ in Delhi, India. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 113, 10-22.	0.6	102
6	Emissions estimates of PAH from biomass fuels used in rural sector of Indo-Gangetic Plains of India. <i>Atmospheric Environment</i> , 2013, 68, 120-126.	1.9	101
7	Water soluble inorganic species of PM ₁₀ and PM _{2.5} at an urban site of Delhi, India: Seasonal variability and sources. <i>Atmospheric Research</i> , 2017, 184, 112-125.	1.8	96
8	Source apportionment and health risk assessment of organic constituents in fine ambient aerosols (PM _{2.5}): A complete year study over National Capital Region of India. <i>Chemosphere</i> , 2019, 221, 583-596.	4.2	95
9	Carbonaceous aerosol emissions from India. <i>Atmospheric Environment</i> , 2005, 39, 7861-7871.	1.9	89
10	Source apportionment of PM ₁₀ by using positive matrix factorization at an urban site of Delhi, India. <i>Urban Climate</i> , 2014, 10, 656-670.	2.4	88
11	Stable carbon and nitrogen isotopic composition of bulk aerosols over India and northern Indian Ocean. <i>Atmospheric Environment</i> , 2011, 45, 2828-2835.	1.9	87
12	Emission estimates of organic and elemental carbon from household biomass fuel used over the Indo-Gangetic Plain (IGP), India. <i>Atmospheric Environment</i> , 2012, 61, 212-220.	1.9	77
13	Chemical characterization and source apportionment of aerosol at an urban area of Central Delhi, India. <i>Atmospheric Pollution Research</i> , 2016, 7, 110-121.	1.8	62
14	Emission estimates of particulate matter (PM) and trace gases (SO ₂ , NO and NO ₂) from biomass fuels used in rural sector of Indo-Gangetic Plain, India. <i>Atmospheric Environment</i> , 2011, 45, 5913-5923.	1.9	56
15	Seasonal variability of ambient NH ₃ , NO, NO ₂ and SO ₂ over Delhi. <i>Journal of Environmental Sciences</i> , 2010, 22, 1023-1028.	3.2	54
16	Characterization and source apportionment of organic compounds in PM ₁₀ using PCA and PMF at a traffic hotspot of Delhi. <i>Sustainable Cities and Society</i> , 2018, 39, 52-67.	5.1	52
17	Spatio-temporal variation in chemical characteristics of PM ₁₀ over Indo Gangetic Plain of India. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18809-18822.	2.7	51
18	Seasonal variation, source apportionment and source attributed health risk of fine carbonaceous aerosols over National Capital Region, India. <i>Chemosphere</i> , 2019, 237, 124500.	4.2	51

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19	Spatial variation of chemical constituents from the burning of commonly used biomass fuels in rural areas of the Indo-Gangetic Plain (IGP), India. <i>Atmospheric Environment</i> , 2013, 71, 158-169.	1.9	49
20	Influence of ozone precursors and particulate matter on the variation of surface ozone at an urban site of Delhi, India. <i>Sustainable Environment Research</i> , 2016, 26, 76-83.	2.1	49
21	Organic and elemental carbon variation in PM _{2.5} over megacity Delhi and Bhubaneswar, a semi-urban coastal site in India. <i>Natural Hazards</i> , 2016, 80, 1709-1728.	1.6	47
22	Carbonaceous Species of PM _{2.5} in Megacity Delhi, India During 2012-2016. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 695-701.	1.3	42
23	Relationships of surface ozone with its precursors, particulate matter and meteorology over Delhi. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 451-474.	1.4	41
24	Chemical properties of emission from biomass fuels used in the rural sector of the western region of India. <i>Atmospheric Environment</i> , 2014, 99, 411-424.	1.9	38
25	Study on water-soluble ionic composition of PM ₁₀ and related trace gases over Bay of Bengal during W_ICARB campaign. <i>Meteorology and Atmospheric Physics</i> , 2012, 118, 37-51.	0.9	34
26	Spatial variability in ambient atmospheric fine and coarse mode aerosols over Indo-Gangetic plains, India and adjoining oceans during the onset of summer monsoons, 2014. <i>Atmospheric Pollution Research</i> , 2016, 7, 521-532.	1.8	34
27	Study on Ambient Air Quality of Megacity Delhi, India During Odd-Even Strategy. <i>Mapan - Journal of Metrology Society of India</i> , 2017, 32, 155-165.	1.0	34
28	Emissions of intermediate-volatility and semi-volatile organic compounds from domestic fuels used in Delhi, India. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2407-2426.	1.9	33
29	Variation of Stable Carbon and Nitrogen Isotopic Composition of PM ₁₀ at Urban Sites of Indo Gangetic Plain (IGP) of India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 661-669.	1.3	29
30	Seasonal Variation of OC, EC, and WSOC of PM ₁₀ and Their CWT Analysis Over the Eastern Himalaya. <i>Aerosol Science and Engineering</i> , 2020, 4, 26-40.	1.1	28
31	Five-year measurements of ambient ammonia and its relationships with other trace gases at an urban site of Delhi, India. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 241-257.	0.9	24
32	Levels and sources of organic compounds in fine ambient aerosols over National Capital Region of India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31071-31090.	2.7	24
33	Seasonal and annual trends of carbonaceous species of PM ₁₀ over a megacity Delhi, India during 2010-2017. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 305-318.	1.4	23
34	Wintertime carbonaceous species and trace metals in PM ₁₀ in Darjeeling: A high altitude town in the eastern Himalayas. <i>Urban Climate</i> , 2020, 34, 100668.	2.4	22
35	Seasonal variation and sources of carbonaceous species and elements in PM _{2.5} and PM ₁₀ over the eastern Himalaya. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51642-51656.	2.7	22
36	Residential Biomass Burning Emissions over Northwestern Himalayan Region of India: Chemical Characterization and Budget Estimation. <i>Aerosol and Air Quality Research</i> , 2016, 16, 504-518.	0.9	19

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37	Study on particulate polycyclic aromatic hydrocarbons over Bay of Bengal in winter season. Atmospheric Research, 2014, 145-146, 205-213.	1.8	18
38	Stable carbon and nitrogen isotopic composition of PM10 over Indo-Gangetic Plains (IGP), adjoining regions and Indo-Himalayan Range (IHR) during a winter 2014 campaign. Environmental Science and Pollution Research, 2018, 25, 26279-26296.	2.7	18
39	Ammonia emission from subtropical crop land area in India. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 275-281.	1.3	17
40	Atmospheric Fine and Coarse Mode Aerosols at Different Environments of India and the Bay of Bengal During Winter-2014: Implications of a Coordinated Campaign. Mapan - Journal of Metrology Society of India, 2014, 29, 273-284.	1.0	17
41	Ozone sensitivity factor: NO _x or NMHCs?: A case study over an urban site in Delhi, India. Urban Climate, 2021, 39, 100980.	2.4	17
42	Variation of carbonaceous species and trace elements in PM10 at a mountain site in the central Himalayan region of India. Journal of Atmospheric Chemistry, 2020, 77, 49-62.	1.4	16
43	Measurement of Ambient Ammonia over the National Capital Region of Delhi, India. Mapan - Journal of Metrology Society of India, 2014, 29, 165-173.	1.0	14
44	Measurement of ambient NH ₃ over Bay of Bengal during W_ICARB Campaign. Annales Geophysicae, 2012, 30, 371-377.	0.6	12
45	Source apportionment of particulates by receptor models over Bay of Bengal during ICARB campaign. Atmospheric Pollution Research, 2014, 5, 729-740.	1.8	12
46	Carbonaceous and inorganic species in PM10 during wintertime over Giridih, Jharkhand (India). Journal of Atmospheric Chemistry, 2018, 75, 219-233.	1.4	11
47	Long-Term Measurements of SO ₂ Over Delhi, India. Mapan - Journal of Metrology Society of India, 2020, 35, 125-133.	1.0	10
48	Seasonal Transport Pathway and Sources of Carbonaceous Aerosols at an Urban Site of Eastern Himalaya. Aerosol Science and Engineering, 2021, 5, 318-343.	1.1	10
49	Stable carbon and nitrogen isotopic characteristics of PM _{2.5} and PM ₁₀ in Delhi, India. Journal of Atmospheric Chemistry, 2022, 79, 67-79.	1.4	9
50	Experimental Facilities to Monitor Various Types of Atmospheric Parameters in the Radio and Atmospheric Sciences Division (RASD) of CSIR-National Physical Laboratory. Mapan - Journal of Metrology Society of India, 2013, 28, 193-203.	1.0	8
51	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.	2.7	8
52	Non-methane volatile organic compounds emitted from domestic fuels in Delhi: Emission factors and total city-wide emissions. Atmospheric Environment: X, 2021, 11, 100127.	0.8	5
53	Study on Comparison of Indian Ozonesonde Data with Satellite Data. Mapan - Journal of Metrology Society of India, 2016, 31, 197-217.	1.0	4
54	The role of particulate matter in reduced visibility and anionic composition of winter fog: a case study for Amritsar city. RSC Advances, 2022, 12, 11104-11112.	1.7	3

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55	Metrology for Atmospheric Environment. , 2020, , 639-689.		2
56	Chemical properties of emissions from solid residential fuels used for energy in the rural sector of the southern region of India. Environmental Science and Pollution Research, 2022, , 1.	2.7	0