

# Ranu Gadi

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,241  
citations

257450

24  
h-index

223800

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2554  
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ measurement of dissolved phosphorus in natural waters using DGT. <i>Analytica Chimica Acta</i> , 1998, 370, 29-38.	5.4	309
2	Clay based nanocomposites for removal of heavy metals from water: A review. <i>Journal of Environmental Management</i> , 2019, 232, 803-817.	7.8	234
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.	4.1	119
4	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.	4.1	101
5	Characterization of particulate-bound polycyclic aromatic hydrocarbons and trace metals composition of urban air in Delhi, India. <i>Atmospheric Environment</i> , 2011, 45, 7653-7663.	4.1	99
6	Source apportionment and health risk assessment of organic constituents in fine ambient aerosols (PM <sub>2.5</sub> ): A complete year study over National Capital Region of India. <i>Chemosphere</i> , 2019, 221, 583-596.	8.2	95
7	Carbonaceous aerosol emissions from India. <i>Atmospheric Environment</i> , 2005, 39, 7861-7871.	4.1	89
8	Stable carbon and nitrogen isotopic composition of bulk aerosols over India and northern Indian Ocean. <i>Atmospheric Environment</i> , 2011, 45, 2828-2835.	4.1	87
9	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.	4.1	77
10	Study of temporal variation in ambient air quality during Diwali festival in India. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 1-13.	2.7	66
11	Investigation of phytochemical components and corrosion inhibition property of <i>Ficus racemosa</i> stem extract on mild steel in H <sub>2</sub> SO <sub>4</sub> medium. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4699-4707.	6.7	60
12	Emission estimates of particulate matter (PM) and trace gases (SO <sub>2</sub> , NO and NO <sub>2</sub> ) from biomass fuels used in rural sector of Indo-Gangetic Plain, India. <i>Atmospheric Environment</i> , 2011, 45, 5913-5923.	4.1	56
13	Characterization and source apportionment of organic compounds in PM <sub>10</sub> using PCA and PMF at a traffic hotspot of Delhi. <i>Sustainable Cities and Society</i> , 2018, 39, 52-67.	10.4	52
14	Seasonal variation, source apportionment and source attributed health risk of fine carbonaceous aerosols over National Capital Region, India. <i>Chemosphere</i> , 2019, 237, 124500.	8.2	51
15	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.	4.1	49
16	Emissions of SO <sub>2</sub> and NO <sub>x</sub> from biofuels in India. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 787-795.	1.6	45
17	Avoiding high ozone pollution in Delhi, India. <i>Faraday Discussions</i> , 2021, 226, 502-514.	3.2	42
18	Levels, Sources, and Toxic Potential of Polycyclic Aromatic Hydrocarbons in Urban Soil of Delhi, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012, 18, 393-411.	3.4	41

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19	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.	4.1	38
20	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.	4.9	33
21	A comparison of PM <sub>2.5</sub> -bound polycyclic aromatic hydrocarbons in summer Beijing (China) and Delhi (India). <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14303-14319.	4.9	30
22	Emissions of non-methane volatile organic compounds from combustion of domestic fuels in Delhi, India. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2383-2406.	4.9	29
23	Spatial distribution of biomass consumption as energy in rural areas of the Indo-Gangetic plain. <i>Biomass and Bioenergy</i> , 2011, 35, 932-941.	5.7	28
24	In situ ozone production is highly sensitive to volatile organic compounds in Delhi, India. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13609-13630.	4.9	28
25	Short-term degradation of air quality during major firework events in Delhi, India. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 753-764.	2.0	27
26	Speciation of metals in Yamuna river sediments. <i>Science of the Total Environment</i> , 1993, 136, 229-242.	8.0	25
27	Emission Estimates of Particulate PAHs from Biomass Fuels Used in Delhi, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012, 18, 871-887.	3.4	25
28	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.	5.3	24
29	Seasonal Variation of Carbonaceous Species of PM <sub>10</sub> Over Urban Sites of National Capital Region of India. <i>Aerosol Science and Engineering</i> , 2020, 4, 111-123.	1.9	23
30	Sources of non-methane hydrocarbons in surface air in Delhi, India. <i>Faraday Discussions</i> , 2021, 226, 409-431.	3.2	23
31	Seasonal variations and source profile of n-alkanes in particulate matter (PM <sub>10</sub> ) at a heavy traffic site, Delhi. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 43.	2.7	22
32	Study on particulate polycyclic aromatic hydrocarbons over Bay of Bengal in winter season. <i>Atmospheric Research</i> , 2014, 145-146, 205-213.	4.1	18
33	Temporal Variation of Phthalic Acid Esters (PAEs) in Ambient Atmosphere of Delhi. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 153-159.	2.7	18
34	Atmospheric Fine and Coarse Mode Aerosols at Different Environments of India and the Bay of Bengal During Winter-2014: Implications of a Coordinated Campaign. <i>Mapan - Journal of Metrology Society of India</i> , 2014, 29, 273-284.	1.5	17
35	Synthesis and characterization of novel nanocomposite by using kaolinite and carbon nanotubes. <i>Applied Clay Science</i> , 2018, 155, 30-36.	5.2	17
36	Characterization of Gaseous and Particulate Polycyclic Aromatic Hydrocarbons in Ambient Air of Delhi, India. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 556-579.	2.6	15

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37	Seasonal analysis of submicron aerosol in Old Delhi using high-resolution aerosol mass spectrometry: chemical characterisation, source apportionment and new marker identification. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10133-10158.	4.9	15
38	Assimilation of Indian radar data with ADAS and 3DVAR techniques for simulation of a small-scale tropical cyclone using ARPS model. <i>Natural Hazards</i> , 2011, 58, 15-29.	3.4	14
39	Adsorption of lead on clay-CNT nanocomposite in aqueous media by UV-Vis-spectrophotometer: kinetics and thermodynamic studies. <i>Emergent Materials</i> , 2019, 2, 441-451.	5.7	13
40	PM <sub>2.5</sub> composition and source apportionment at two sites in Delhi, India, across multiple seasons. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11655-11667.	4.9	13
41	Emissions of Polycyclic Aromatic Hydrocarbons in the Atmosphere: An Indian Perspective. <i>Human and Ecological Risk Assessment (HERA)</i> , 2010, 16, 1145-1168.	3.4	11
42	Comprehensive organic emission profiles, secondary organic aerosol production potential, and OH reactivity of domestic fuel combustion in Delhi, India. <i>Environmental Science Atmospheres</i> , 2021, 1, 104-117.	2.4	11
43	Variations in chemical composition of aerosol during Diwali over mega city Delhi, India. <i>Urban Climate</i> , 2021, 40, 100991.	5.7	9
44	Gridded distribution of total suspended particulate matter (TSP) and their chemical characterization over Delhi during winter. <i>Environmental Science and Pollution Research</i> , 2022, 29, 17892-17918.	5.3	8
45	Emission estimates and inventories of non-methane volatile organic compounds from anthropogenic burning sources in India. <i>Atmospheric Environment: X</i> , 2021, 11, 100115.	1.4	6
46	Identification of Carbonaceous Species and FTIR Profiling of PM <sub>2.5</sub> Aerosols for Source Estimation in Old Delhi Region of India. <i>Mapan - Journal of Metrology Society of India</i> , 2022, 37, 529-544.	1.5	6
47	Determination of different soluble species in Yamuna river waters. <i>Environmental Technology (United Kingdom)</i> , 2022, 43(14), 2249-2258.	2.2	4
48	Variation in Air Quality over Delhi Region: A Comparative Study for 2019 and 2020. <i>Aerosol Science and Engineering</i> , 2022, 6, 278-295.	1.9	4
49	Biological methods for speciation of heavy metals: different approaches. <i>Critical Reviews in Biotechnology</i> , 2009, 29, 307-312.	9.0	2
50	Oxidative potential of ambient fine particulate matter for ranking of emission sources: an insight for emissions reductions. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1149-1153.	3.3	1
51	<i>Ficus racemosa</i> as corrosion inhibitor for mild steel in acid medium. <i>Emerging Materials Research</i> , 2017, 6, 117-123.	0.7	0
52	Biological methods for speciation of heavy metals: different approaches. <i>Critical Reviews in Biotechnology</i> , 2009, 00, 090925120326010-6.	9.0	0