Saroj Kumar Sahu

List of Publications by Year
in descending order

40 papers	1,457 citations	331259 21 h-index	329751 37 g-index
41 all docs	41 docs citations	41 times ranked	1666 citing authors

#	Article	IF	Citations
1	Black carbon aerosols and the third polar ice cap. Atmospheric Chemistry and Physics, 2010, 10, 4559-4571.	1.9	268
2	Emissions inventory of anthropogenic PM2.5 and PM10 in Delhi during Commonwealth Games 2010. Atmospheric Environment, 2011, 45, 6180-6190.	1.9	125
3	Spatial and temporal variations of air pollution over 41 cities of India during the COVID-19 lockdown period. Scientific Reports, 2020, 10, 16574.	1.6	98
4	Objective evaluation of stubble emission of North India and quantifying its impact on air quality of Delhi. Science of the Total Environment, 2020, 709, 136126.	3.9	94
5	Decadal growth of black carbon emissions in India. Geophysical Research Letters, 2008, 35, .	1.5	72
6	Quantifying the effect of air quality control measures during the 2010 Commonwealth Games at Delhi, India. Atmospheric Environment, 2013, 80, 455-463.	1.9	68
7	Mitigation of PM_{2.5} and ozone pollution in Delhi: a sensitivity study during the pre-monsoon period. Atmospheric Chemistry and Physics, 2020, 20, 499-514.	1.9	52
8	Quantifying the high resolution seasonal emission of air pollutants from crop residue burning in India. Environmental Pollution, 2021, 286, 117165.	3.7	52
9	Avoiding high ozone pollution in Delhi, India. Faraday Discussions, 2021, 226, 502-514.	1.6	42
10	Emerging pattern of anthropogenic NOX emission over Indian subcontinent during 1990s and 2000s. Atmospheric Pollution Research, 2012, 3, 262-269.	1.8	39
11	Anatomy of the winter 2017 air quality emergency in Delhi. Science of the Total Environment, 2019, 681, 305-311.	3.9	39
12	Air quality in Delhi during the Commonwealth Games. Atmospheric Chemistry and Physics, 2014, 14, 10619-10630.	1.9	36
13	COVID-19 lockdown and air quality of SAFAR-India metro cities. Urban Climate, 2020, 34, 100729.	2.4	35
14	Critical Emissions from the Largest On-Road Transport Network in South Asia. Aerosol and Air Quality Research, 2014, 14, 135-144.	0.9	33
15	Estimation of high resolution emissions from road transport sector in a megacity Delhi. Urban Climate, 2018, 26, 109-120.	2.4	32
16	Spatio-Temporal Variation and Deposition of Fine and Coarse Particles during the Commonwealth Games in Delhi. Aerosol and Air Quality Research, 2013, 13, 748-755.	0.9	32
17	Evaluating population exposure to environmental pollutants during Deepavali fireworks displays using air quality measurements of the SAFAR network. Chemosphere, 2013, 92, 116-124.	4.2	31
18	High Resolution Emission Inventory of NOx and CO for Mega City Delhi, India. Aerosol and Air Quality Research, 2015, 15, 1137-1144.	0.9	30

#	Article	IF	Citations
19	COVID-19 and environmental -weather markers: Unfolding baseline levels and veracity of linkages in tropical India. Environmental Research, 2020, 191, 110121.	3.7	24
20	Establishing a link between fine particulate matter (PM2.5) zones and COVID -19 over India based on anthropogenic emission sources and air quality data. Urban Climate, 2021, 38, 100883.	2.4	24
21	Effect of lightning activity on surface NO_x and O₃ over a tropical station during premonsoon and monsoon seasons. Journal of Geophysical Research, 2012, 117, .	3.3	23
22	Rising critical emission of air pollutants from renewable biomass based cogeneration from the sugar industry in India. Environmental Research Letters, 2015, 10, 095002.	2.2	19
23	The role of coal technology in redefining Indiaâ€™s climate change agents and other pollutants. Environmental Research Letters, 2017, 12, 105006.	2.2	19
24	Sink mechanism for significantly low level of ozone over the Arabian Sea during monsoon. Journal of Geophysical Research, 2009, 114, .	3.3	18
25	Indiaâ€™s Maiden air quality forecasting framework for megacities of divergent environments: The SAFAR-project. Environmental Modelling and Software, 2021, 145, 105204.	1.9	18
26	Long-term change in aerosol characteristics over Indo-Gangetic Basin: How significant is the impact of emerging anthropogenic activities?. Urban Climate, 2021, 38, 100880.	2.4	15
27	On modelling growing menace of household emissions under COVID-19 in Indian metros. Environmental Pollution, 2021, 272, 115993.	3.7	13
28	Anomalous behaviour of ozone under COVID-19 and explicit diagnosis of O3-NOx-VOCs mechanism. Heliyon, 2021, 7, e06142.	1.4	13
29	Assessments of population exposure to environmental pollutants using air quality measurements during Commonwealth Games-2010. Inhalation Toxicology, 2013, 25, 333-340.	0.8	12
30	Significant change in air quality parameters during the year 2020 over 1st smart city of India: Bhubaneswar. SN Applied Sciences, 2020, 2, 1990.	1.5	11
31	Critical pollutant emissions from the Indian telecom network. Atmospheric Environment, 2015, 103, 34-42.	1.9	10
32	Role of meteorological regime in mitigating biomass induced extreme air pollution events. Urban Climate, 2021, 35, 100756.	2.4	10
33	Towards Baseline Air Pollution Under Covid-19: Implication for Chronic Health and Policy Research for Delhi, India. Current Science, 2020, 119, 1178.	0.4	10
34	Evaluating the variability, transport and periodicity of particulate matter over smart city Bhubaneswar, a tropical coastal station of eastern India. SN Applied Sciences, 2019, 1, 1.	1.5	9
35	A comprehensive high-resolution gridded emission inventory of anthropogenic sources of air pollutants in Indian megacity Kolkata. SN Applied Sciences, 2022, 4, 1.	1.5	9
36	Surface ozone characterization at Larsemann Hills and Maitri, Antarctica. Science of the Total Environment, 2017, 584-585, 1130-1137.	3.9	8

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37	Physico-chemical characterization of total suspended particulate matter over two coastal stations of Antarctica and adjoining ocean. Atmospheric Environment, 2015, 122, 531-540.	1.9	5
38	Development andÂassessment ofÂinventory ofÂairÂpollutants thatÂdeteriorateÂthe airÂquality inÂIndian megacityÂBengaluru. Journal of Cleaner Production, 2022, 360, 132209.	4.6	4
39	Reactive Nitrogen and Air Quality in India. , 2017, , 403-426.		3
40	Greenhouse Gas Emission, Rainfall and Crop Production Over North-Western India. Open Ecology Journal, 2018, 11, 47-61.	2.0	2