

Saroj Kumar Sahu

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Development and Assessment of inventory of air pollutants that deteriorate the air quality in Indian megacity Bengaluru. Journal of Cleaner Production, 2022, 360, 132209.	4.6	4
3	Avoiding high ozone pollution in Delhi, India. Faraday Discussions, 2021, 226, 502-514.	1.6	42
4	On modelling growing menace of household emissions under COVID-19 in Indian metros. Environmental Pollution, 2021, 272, 115993.	3.7	13
5	Role of meteorological regime in mitigating biomass induced extreme air pollution events. Urban Climate, 2021, 35, 100756.	2.4	10
6	Anomalous behaviour of ozone under COVID-19 and explicit diagnosis of O ₃ -NO _x -VOCs mechanism. Heliyon, 2021, 7, e06142.	1.4	13
7	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
8	Establishing a link between fine particulate matter (PM _{2.5}) zones and COVID-19 over India based on anthropogenic emission sources and air quality data. Urban Climate, 2021, 38, 100883.	2.4	24
9	Quantifying the high resolution seasonal emission of air pollutants from crop residue burning in India. Environmental Pollution, 2021, 286, 117165.	3.7	52
10	India's Maiden air quality forecasting framework for megacities of divergent environments: The SAFAR-project. Environmental Modelling and Software, 2021, 145, 105204.	1.9	18
11	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
12	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
13	COVID-19 and environmental -weather markers: Unfolding baseline levels and veracity of linkages in tropical India. Environmental Research, 2020, 191, 110121.	3.7	24
14	COVID-19 lockdown and air quality of SAFAR-India metro cities. Urban Climate, 2020, 34, 100729.	2.4	35
15	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
16	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
17	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
18	Anatomy of the winter 2017 air quality emergency in Delhi. Science of the Total Environment, 2019, 681, 305-311.	3.9	39

#	ARTICLE	IF	CITATIONS
19	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
20	Estimation of high resolution emissions from road transport sector in a megacity Delhi. Urban Climate, 2018, 26, 109-120.	2.4	32
21	Greenhouse Gas Emission, Rainfall and Crop Production Over North-Western India. Open Ecology Journal, 2018, 11, 47-61.	2.0	2
22	Surface ozone characterization at Larsemann Hills and Maitri, Antarctica. Science of the Total Environment, 2017, 584-585, 1130-1137.	3.9	8
23	The role of coal technology in redefining India's climate change agents and other pollutants. Environmental Research Letters, 2017, 12, 105006.	2.2	19
24	Reactive Nitrogen and Air Quality in India. , 2017, , 403-426.		3
25	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
26	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
27	Critical pollutant emissions from the Indian telecom network. Atmospheric Environment, 2015, 103, 34-42.	1.9	10
28	High Resolution Emission Inventory of NO _x and CO for Mega City Delhi, India. Aerosol and Air Quality Research, 2015, 15, 1137-1144.	0.9	30
29	Critical Emissions from the Largest On-Road Transport Network in South Asia. Aerosol and Air Quality Research, 2014, 14, 135-144.	0.9	33
30	Air quality in Delhi during the Commonwealth Games. Atmospheric Chemistry and Physics, 2014, 14, 10619-10630.	1.9	36
31	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
32	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
33	Assessments of population exposure to environmental pollutants using air quality measurements during Commonwealth Games-2010. Inhalation Toxicology, 2013, 25, 333-340.	0.8	12
34	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
35	Emerging pattern of anthropogenic NO _x emission over Indian subcontinent during 1990s and 2000s. Atmospheric Pollution Research, 2012, 3, 262-269.	1.8	39
36	Effect of lightning activity on surface NO _x and O ₃ over a tropical station during premonsoon and monsoon seasons. Journal of Geophysical Research, 2012, 117, .	3.3	23

#	ARTICLE	IF	CITATIONS
37	Emissions inventory of anthropogenic PM2.5 and PM10 in Delhi during Commonwealth Games 2010. Atmospheric Environment, 2011, 45, 6180-6190.	1.9	125
38	Black carbon aerosols and the third polar ice cap. Atmospheric Chemistry and Physics, 2010, 10, 4559-4571.	1.9	268
39	Sink mechanism for significantly low level of ozone over the Arabian Sea during monsoon. Journal of Geophysical Research, 2009, 114, .	3.3	18
40	Decadal growth of black carbon emissions in India. Geophysical Research Letters, 2008, 35, .	1.5	72