

# Sagnik Dey

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2683854/sagnik-dey-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

4,491  
citations

35  
h-index

66  
g-index

114  
ext. papers

5,619  
ext. citations

7.5  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
97	Child Survival and Early Lifetime Exposures to Ambient Fine Particulate Matter in India: A Retrospective Cohort Study.. <i>Environmental Health Perspectives</i> , <b>2022</b> , 130, 17009	8.4	1
96	Systematizing the approach to air quality measurement and analysis in low and middle income countries. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 021004	6.2	2
95	Long-term changes in aerosol loading over the BIHAR State of India using nineteen years (2001-2019) of high-resolution satellite data (1 km <sup>2</sup> ). <i>Atmospheric Pollution Research</i> , <b>2022</b> , 13, 101259	4.5	2
94	Robust relationship between ambient air pollution and infant mortality in India.. <i>Science of the Total Environment</i> , <b>2022</b> , 815, 152755	10.2	2
93	Air quality management in India using satellite data <b>2022</b> , 239-254		0
92	A review of statistical methods used for developing large-scale and long-term PM2.5 models from satellite data. <i>Remote Sensing of Environment</i> , <b>2021</b> , 269, 112827	13.2	3
91	Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. <i>Nature Medicine</i> , <b>2021</b> , 27, 1761-1782	50.5	10
90	Performance of MODIS C6.1 Dark Target and Deep Blue aerosol products in Delhi National Capital Region, India: Application for aerosol studies. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 65-74	4.5	9
89	Diurnal patterns in ambient PM2.5 exposure over India using MERRA-2 reanalysis data. <i>Atmospheric Environment</i> , <b>2021</b> , 248, 118180	5.3	5
88	Crop Fires and Cardiovascular Health - A Study from North India. <i>SSM - Population Health</i> , <b>2021</b> , 14, 100753	5.8	1
87	The Association Between Ambient PM Exposure and Anemia Outcomes Among Children Under Five Years of Age in India. <i>Environmental Epidemiology</i> , <b>2021</b> , 5, e125	0.2	9
86	Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. <i>Lancet Planetary Health, The</i> , <b>2021</b> , 5, e25-e38	9.8	78
85	Impact of acute exposure to ambient PM2.5 on non-trauma all-cause mortality in the megacity Delhi. <i>Atmospheric Environment</i> , <b>2021</b> , 259, 118548	5.3	0
84	Tracking NO2 emission from thermal power plants in North India using TROPOMI data. <i>Atmospheric Environment</i> , <b>2021</b> , 259, 118514	5.3	4
83	Crop burning and forest fires: Long-term effect on adolescent height in India. <i>Resources and Energy Economics</i> , <b>2021</b> , 65, 101244	3.2	1
82	Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2021</b> , 398, 870-905	40	43
81	Sensitivity of Carbonaceous Aerosol Properties to the Implementation of a Dynamic Aging Parameterization in the Regional Climate Model RegCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033613	4.4	0

80	Subnational mapping of under-5 and neonatal mortality trends in India: the Global Burden of Disease Study 2000-17. <i>Lancet, The</i> , <b>2020</b> , 395, 1640-1658	40	38
79	Changing risk factors that contribute to premature mortality from ambient air pollution between 2000 and 2015. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 074010	6.2	13
78	A framework for setting up a country-wide network of regional surface PM2.5 sampling sites utilising a satellite-derived proxy The COALESCE project, India. <i>Atmospheric Environment</i> , <b>2020</b> , 234, 117544	5.3	5
77	Near-Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Present-Day Characteristics of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031414	4.4	7
76	Consistent signal of aerosol indirect and semi-direct effect on water clouds in the oceanic regions adjacent to the Indian subcontinent. <i>Atmospheric Research</i> , <b>2020</b> , 232, 104677	5.4	6
75	A comparative assessment of regional representativeness of EDGAR and ECLIPSE emission inventories for air quality studies in India. <i>Atmospheric Environment</i> , <b>2020</b> , 223, 117182	5.3	6
74	The Reduction in Near-Global Cloud Cover After Correcting for Biases Caused by Finite Resolution Measurements. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090313	4.9	1
73	A Satellite-Based High-Resolution (1-km) Ambient PM2.5 Database for India over Two Decades (2000-2019): Applications for Air Quality Management. <i>Remote Sensing</i> , <b>2020</b> , 12, 3872	5	14
72	Tradeoffs between air pollution mitigation and meteorological response in India. <i>Scientific Reports</i> , <b>2020</b> , 10, 14796	4.9	2
71	Examination of monitoring approaches for ambient air pollution: A case study for India. <i>Atmospheric Environment</i> , <b>2019</b> , 216, 116940	5.3	29
70	No one knows which city has the highest concentration of fine particulate matter. <i>Atmospheric Environment: X</i> , <b>2019</b> , 3, 100040	2.8	26
69	Indian annual ambient air quality standard is achievable by completely mitigating emissions from household sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10711-10716	11.5	93
68	Tracking ambient PM2.5 build-up in Delhi national capital region during the dry season over 15 years using a high-resolution (1 km) satellite aerosol dataset. <i>Atmospheric Environment</i> , <b>2019</b> , 204, 142-150	5.3	57
67	The association of early-life exposure to ambient PM and later-childhood height-for-age in India: an observational study. <i>Environmental Health</i> , <b>2019</b> , 18, 62	6	26
66	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , <b>2019</b> , 574, 353-358	358.4	87
65	The impact of air pollution on deaths, disease burden, and life expectancy across the states of India: the Global Burden of Disease Study 2017. <i>Lancet Planetary Health, The</i> , <b>2019</b> , 3, e26-e39	9.8	335
64	Suppression of aerosol-induced atmospheric warming by clouds in the Indo-Gangetic Basin, northern India. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 137, 2731-2741	3	8
63	Ambient PM exposure and expected premature mortality to 2100 in India under climate change scenarios. <i>Nature Communications</i> , <b>2018</b> , 9, 318	17.4	85

62	Most probable mixing state of aerosols in Delhi NCR, northern India. <i>Atmospheric Research</i> , <b>2018</b> , 200, 88-96	5.4	11
61	Expected health benefits from mitigation of emissions from major anthropogenic PM sources in India: Statistics at state level. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1817-1826	9.3	20
60	18-Year Ambient PM <sub>2.5</sub> Exposure and Night Light Trends in Indian Cities: Vulnerability Assessment. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 2332-2342	4.6	13
59	Air Quality in Changing Climate: Implications for Health Impacts. <i>Springer Climate</i> , <b>2018</b> , 9-24	0.3	4
58	On the theoretical aspects of improved fog detection and prediction in India. <i>Atmospheric Research</i> , <b>2018</b> , 202, 77-80	5.4	14
57	The burden of chronic respiratory diseases and their heterogeneity across the states of India: the Global Burden of Disease Study 1990-2016. <i>The Lancet Global Health</i> , <b>2018</b> , 6, e1363-e1374	13.6	122
56	Projection of near-future anthropogenic PM <sub>2.5</sub> over India using statistical approach. <i>Atmospheric Environment</i> , <b>2018</b> , 186, 178-188	5.3	14
55	Air pollution health research priorities for India: Perspectives of the Indo-U.S. Communities of Researchers. <i>Environment International</i> , <b>2018</b> , 119, 100-108	12.9	41
54	Seasonal Transition in PM Exposure and Associated All-Cause Mortality Risks in India. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8756-8763	10.3	16
53	Global warming and local air pollution have reduced wheat yields in India. <i>Climatic Change</i> , <b>2017</b> , 140, 593-604	4.5	66
52	Ambient PM exposure and premature mortality burden in the holy city Varanasi, India. <i>Environmental Pollution</i> , <b>2017</b> , 226, 182-189	9.3	18
51	Traffic intervention policy fails to mitigate air pollution in megacity Delhi. <i>Environmental Science and Policy</i> , <b>2017</b> , 74, 8-13	6.2	58
50	Nations within a nation: variations in epidemiological transition across the states of India, 1990-2016 in the Global Burden of Disease Study. <i>Lancet, The</i> , <b>2017</b> , 390, 2437-2460	4.0	391
49	Comparative Study of Heat Indices in India Based on Observed and Model Simulated Data. <i>Current World Environment Journal</i> , <b>2017</b> , 12, 530-546	0.7	10
48	Importance of aerosol non-sphericity in estimating aerosol radiative forcing in Indo-Gangetic Basin. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 655-662	10.2	8
47	Direct radiative effects of anthropogenic aerosols on Indian summer monsoon circulation. <i>Theoretical and Applied Climatology</i> , <b>2016</b> , 124, 629-639	3	14
46	A satellite-based 13-year climatology of net cloud radiative forcing over the Indian monsoon region. <i>Atmospheric Research</i> , <b>2016</b> , 182, 76-86	5.4	23
45	Cause-specific premature death from ambient PM <sub>2.5</sub> exposure in India: Estimate adjusted for baseline mortality. <i>Environment International</i> , <b>2016</b> , 91, 283-90	12.9	130

44	Quantifying enhancement in aerosol radiative forcing during 'extreme aerosol days' in summer at Delhi National Capital Region, India. <i>Science of the Total Environment</i> , <b>2016</b> , 550, 994-1000	10.2	5
43	Satellite-Based Estimates of Aerosol Washout and Recovery over India during Monsoon. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 1302-1314	4.6	6
42	Spatio-temporal variations in the estimation of PM10 from MODIS-derived aerosol optical depth for the urban areas in the Central Indo-Gangetic Plain. <i>Meteorology and Atmospheric Physics</i> , <b>2015</b> , 127, 107-121	2	13
41	Impacts of aerosols on dynamics of Indian summer monsoon using a regional climate model. <i>Climate Dynamics</i> , <b>2015</b> , 44, 1685-1697	4.2	27
40	Cloud climatology over the oceanic regions adjacent to the Indian Subcontinent: inter-comparison between passive and active sensors. <i>International Journal of Remote Sensing</i> , <b>2015</b> , 36, 899-916	3.1	8
39	A study to improve night time fog detection in the Indo-Gangetic Basin using satellite data and to investigate the connection to aerosols. <i>Meteorological Applications</i> , <b>2015</b> , 22, 689-693	2.1	11
38	Satellite-based estimates of outdoor particulate pollution (PM10) for Agra City in northern India. <i>Air Quality, Atmosphere and Health</i> , <b>2015</b> , 8, 55-65	5.6	23
37	Dust aerosol feedback on the Indian summer monsoon: Sensitivity to absorption property. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 9642-9652	4.4	42
36	The role of land surface schemes in the regional climate model (RegCM) for seasonal scale simulations over Western Himalaya. <i>Atmosfera</i> , <b>2015</b> , 28, 129-142	2.5	14
35	Remote Sensing of Atmospheric Aerosols <b>2014</b> , 119-151		1
34	Dynamical downscaling approach for wintertime seasonal-scale simulation over the Western Himalayas. <i>Acta Geophysica</i> , <b>2014</b> , 62, 930-952	2.2	7
33	Inter-annual variations in natural and anthropogenic aerosol loadings over the seas adjoining India using a hybrid approach. <i>Atmospheric Science Letters</i> , <b>2014</b> , 15, 58-64	2.4	2
32	Aerosol characteristics over Delhi national capital region: a satellite view. <i>International Journal of Remote Sensing</i> , <b>2014</b> , 35, 5036-5052	3.1	17
31	Examining mineral dust transport over the Indian subcontinent using the regional climate model, RegCM4.1. <i>Atmospheric Research</i> , <b>2013</b> , 134, 64-76	5.4	44
30	Structural evolution of monsoon clouds in the Indian CTCZ. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5295-5299	4.9	18
29	Influence of aerosol composition on visibility in megacity Delhi. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 367-373	3.3	68
28	Inferring aerosol types over the Indo-Gangetic Basin from ground based sunphotometer measurements. <i>Atmospheric Research</i> , <b>2012</b> , 109-110, 64-75	5.4	79
27	Variability of outdoor fine particulate (PM2.5) concentration in the Indian Subcontinent: A remote sensing approach. <i>Remote Sensing of Environment</i> , <b>2012</b> , 127, 153-161	13.2	167

26	Aerosol Characteristics over the Indo-Gangetic Basin: Implications to Regional Climate <b>2012</b> ,		8
25	Satellite-based 3D structure of cloud and aerosols over the Indian Monsoon region: implications for aerosol-cloud interaction <b>2012</b> ,		2
24	Satellite-observed relationships between aerosol and trade-wind cumulus cloud properties over the Indian Ocean. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4-9	23
23	A decade of change in aerosol properties over the Indian subcontinent. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4-9	77
22	Observation-based 3-D view of aerosol radiative properties over Indian Continental Tropical Convergence Zone: implications to regional climate. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2011</b> , 63, 971-989	3-3	34
21	A climatology of aerosol optical and microphysical properties over the Indian subcontinent from 9 years (2000-2008) of Multiangle Imaging Spectroradiometer (MISR) data. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		196
20	Examination of direct cumulus contamination on MISR-retrieved aerosol optical depth and angstrom coefficient over ocean. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4-9	18
19	Probable mixing state of aerosols in the Indo-Gangetic Basin, northern India. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	53
18	Aerosol direct radiative effects over Kanpur in the Indo-Gangetic basin, northern India: Long-term (2001-2005) observations and implications to regional climate. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		103
17	Implications of particle composition and shape to dust radiative effect: A case study from the Great Indian Desert. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	30
16	Scale effect on statistics of the macrophysical properties of trade wind cumuli over the tropical western Atlantic during RICO. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		20
15	Estimation of aerosol optical properties and radiative effects in the Ganga basin, northern India, during the wintertime. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		68
14	Aerosol indirect effect over Indo-Gangetic plain. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 7037-7047	5-3	31
13	The vertical profile of atmospheric heating rate of black carbon aerosols at Kanpur in northern India. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6909-6915	5-3	68
12	Retrieval of black carbon and specific absorption over Kanpur city, northern India during 2001-2003 using AERONET data. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 445-456	5-3	35
11	Dust events in Kanpur, northern India: Chemical evidence for source and implications to radiative forcing. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4-9	91
10	Measurements of atmospheric parameters during Indian Space Research Organization Geosphere Biosphere Programme Land Campaign II at a typical location in the Ganga basin: 1. Physical and optical properties. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		93
9	Measurements of atmospheric parameters during Indian Space Research Organization Geosphere Biosphere Program Land Campaign II at a typical location in the Ganga Basin: 2. Chemical properties. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		78

8	Anomalous increase of chlorophyll concentrations associated with earthquakes. <i>Advances in Space Research</i> , <b>2006</b> , 37, 671-680	2.4	26
7	Aerosol black carbon radiative forcing at an industrial city in northern India. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	94
6	Enhanced layer of black carbon in a north Indian industrial city. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	37
5	Comparison of MODIS and AERONET derived aerosol optical depth over the Ganga Basin, India. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 1093-1101	2	143
4	Influence of dust storms on the aerosol optical properties over the Indo-Gangetic basin. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		288
3	Variability of aerosol parameters over Kanpur, northern India. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		304
2	Comparison of chlorophyll distributions in the northeastern Arabian Sea and southern Bay of Bengal using IRS-P4 Ocean Color Monitor data. <i>Remote Sensing of Environment</i> , <b>2003</b> , 85, 424-428	13.2	37
1	Aerosol-modulated heat stress in present and future climate of India. <i>Environmental Research Letters</i> ,	6.2	0