

Sayantana Sarkar

List of Publications by Year in Descending Order

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

30
papers

657
citations

15
h-index

25
g-index

31
ext. papers

804
ext. citations

6.5
avg, IF

4.37
L-index

#	Paper	IF	Citations
30	Are fireworks a significant episodic source of brown carbon?. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
29	Seven-year study of monsoonal rainwater chemistry over the mid-Brahmaputra plain, India: assessment of trends and source regions of soluble ions. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
28	Fine Particulate Matter Bound Polycyclic Aromatic Hydrocarbons and Carbonaceous Species in Delhi's Atmosphere: Seasonal Variation, Sources, and Health Risk Assessment. <i>Aerosol Science and Engineering</i> , 2021 , 5, 193-213	1.6	0
27	Peat-forest burning smoke in Maritime Continent: Impacts on receptor PM and implications at emission sources. <i>Environmental Pollution</i> , 2021 , 275, 116626	9.3	3
26	Brown carbon aerosols in the Indo-Gangetic Plain outflow: insights from excitation emission matrix (EEM) fluorescence spectroscopy. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 745-755	4.3	1
25	Optical properties of brown carbon in aerosols and surface snow at Ny-Ålesund during the polar summer 2021 , 343-356		
24	Deposition of ambient particles in the human respiratory system based on single particle analysis: A case study in the Pearl River Delta, China. <i>Environmental Pollution</i> , 2021 , 283, 117056	9.3	
23	Comparative study of chemical characterization and source apportionment of PM _{2.5} in South China by filter-based and single particle analysis. <i>Elementa</i> , 2021 , 9,	3.6	2
22	Optical properties of aerosol brown carbon (BrC) in the eastern Indo-Gangetic Plain. <i>Science of the Total Environment</i> , 2020 , 716, 137102	10.2	15
21	Size-segregated deposition of atmospheric elemental carbon (EC) in the human respiratory system: A case study of the Pearl River Delta, China. <i>Science of the Total Environment</i> , 2020 , 708, 134932	10.2	7
20	Spatially resolved distribution, sources and health risks of heavy metals in size-fractionated road dust from 57 sites across megacity Kolkata, India. <i>Science of the Total Environment</i> , 2020 , 705, 135805	10.2	20
19	Sources and atmospheric processing of brown carbon and HULIS in the Indo-Gangetic Plain: Insights from compositional analysis. <i>Environmental Pollution</i> , 2020 , 267, 115440	9.3	9
18	The role of natural factors in constraining long-term tropospheric ozone trends over Southern China. <i>Atmospheric Environment</i> , 2020 , 220, 117060	5.3	17
17	Evaluation of factors influencing secondary organic carbon (SOC) estimation by CO and EC tracer methods. <i>Science of the Total Environment</i> , 2019 , 686, 915-930	10.2	13
16	Regional sulfate drives long-term rise in AOD over megacity Kolkata, India. <i>Atmospheric Environment</i> , 2019 , 209, 167-181	5.3	13
15	Impacts of peat-forest smoke on urban PM in the Maritime Continent during 2012-2015: Carbonaceous profiles and indicators. <i>Environmental Pollution</i> , 2019 , 248, 496-505	9.3	24
14	Black carbon aerosol in India: A comprehensive review of current status and future prospects. <i>Atmospheric Research</i> , 2019 , 218, 207-230	5.4	42

13	Characterization of diurnal variations of PM acidity using an open thermodynamic system: A case study of Guangzhou, China. <i>Chemosphere</i> , 2018 , 202, 677-685	8.4	8
12	Technical note: Comparison and interconversion of pH based on different standard states for aerosol acidity characterization. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11125-11133	6.8	19
11	A quantitative assessment of distributions and sources of tropospheric halocarbons measured in Singapore. <i>Science of the Total Environment</i> , 2018 , 619-620, 528-544	10.2	9
10	Can low-carbon urban development be pro-poor? The case of Kolkata, India. <i>Environment and Urbanization</i> , 2017 , 29, 139-158	3.7	23
9	History of atmospheric deposition of trace elements in lake sediments, ~1880 to 2007. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 5658-5669	4.4	21
8	Accumulation and risks of polycyclic aromatic hydrocarbons and trace metals in tropical urban soils. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 2907-23	3.1	23
7	Particulate phase polycyclic aromatic hydrocarbons in the ambient atmosphere of a protected and ecologically sensitive area in a tropical megacity. <i>Urban Forestry and Urban Greening</i> , 2014 , 13, 854-860	5.4	7
6	Risk assessment of inhalation exposure to polycyclic aromatic hydrocarbons in school children. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 366-78	5.1	40
5	Profile of PAHs in the inhalable particulate fraction: source apportionment and associated health risks in a tropical megacity. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 1199-213	3.1	56
4	Health risk assessment of polycyclic aromatic hydrocarbons and heavy metals via dietary intake of vegetables grown in the vicinity of thermal power plants. <i>Food and Chemical Toxicology</i> , 2012 , 50, 1642-52	4.7	90
3	Airborne inhalable metals in residential areas of Delhi, India: distribution, source apportionment and health risks. <i>Atmospheric Pollution Research</i> , 2012 , 3, 46-54	4.5	74
2	Association of polycyclic aromatic hydrocarbons (PAHs) and metallic species in a tropical urban atmosphere [Delhi, India]. <i>Journal of Atmospheric Chemistry</i> , 2011 , 68, 107-126	3.2	19
1	Chemical speciation of respirable suspended particulate matter during a major firework festival in India. <i>Journal of Hazardous Materials</i> , 2010 , 184, 321-330	12.8	102