Abdus Salam

List of Publications by Year
in descending order

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50 papers	1,585 citations	361413 20 h-index	315739 38 g-index
52 all docs	52 docs citations	52 times ranked	2285 citing authors

#	Article	IF	Citations
1	Assessing risk to human health for heavy metal contamination through street dust in the Southeast Asian Megacity: Dhaka, Bangladesh. Science of the Total Environment, 2019, 660, 1610-1622.	8.0	206
2	Aerosol chemical characteristics of a mega-city in Southeast Asia (Dhakaâ€“Bangladesh). Atmospheric Environment, 2003, 37, 2517-2528.	4.1	180
3	Variation in global chemical composition of PM_{2.5}: emerging results from SPARTAN. Atmospheric Chemistry and Physics, 2016, 16, 9629-9653.	4.9	123
4	Photochemical degradation affects the light absorption of water-soluble brown carbon in the South Asian outflow. Science Advances, 2019, 5, eaau8066.	10.3	123
5	Ice Nucleation Studies of Mineral Dust Particles with a New Continuous Flow Diffusion Chamber. Aerosol Science and Technology, 2006, 40, 134-143.	3.1	85
6	SPARTAN: a global network to evaluate and enhance satellite-based estimates of ground-level particulate matter for global health applications. Atmospheric Measurement Techniques, 2015, 8, 505-521.	3.1	71
7	Global Sources of Fine Particulate Matter: Interpretation of PM_{2.5} Chemical Composition Observed by SPARTAN using a Global Chemical Transport Model. Environmental Science & Technology, 2018, 52, 11670-11681.	10.0	68
8	Characteristics of atmospheric trace gases, particulate matter, and heavy metal pollution in Dhaka, Bangladesh. Air Quality, Atmosphere and Health, 2008, 1, 101-109.	3.3	60
9	In-car particulate matter exposure across ten global cities. Science of the Total Environment, 2021, 750, 141395.	8.0	46
10	Source Quantification of South Asian Black Carbon Aerosols with Isotopes and Modeling. Environmental Science & Technology, 2020, 54, 11771-11779.	10.0	34
11	Assessment of heavy metal pollution in the agricultural soils, plants, and in the atmospheric particulate matter of a suburban industrial region in Dhaka, Bangladesh. Environmental Monitoring and Assessment, 2021, 193, 104.	2.7	34
12	Aerosol chemical characteristics of an island site in the Bay of Bengal (Bhola - Bangladesh). Journal of Environmental Monitoring, 2003, 5, 483.	2.1	33
13	Particulate black carbon and gaseous emission from brick kilns in Greater Dhaka region, Bangladesh. Air Quality, Atmosphere and Health, 2018, 11, 925-935.	3.3	33
14	Identification and characterization of trace metals in black solid materials deposited from biomass burning at the cooking stoves in Bangladesh. Biomass and Bioenergy, 2009, 33, 1376-1380.	5.7	27
15	Trace Metals Concentrations at the Atmosphere Particulate Matters in the Southeast Asian Mega City (Dhaka, Bangladesh). Open Journal of Air Pollution, 2015, 04, 86-98.	1.4	27
16	Particulate matters and gaseous pollutants in indoor environment and Association of ultra-fine particulate matters (PM1) with lung function. Environmental Science and Pollution Research, 2019, 26, 5475-5484.	5.3	25
17	Laboratory study of heterogeneous ice nucleation in deposition mode of montmorillonite mineral dust particles aged with ammonia, sulfur dioxide, and ozone at polluted atmospheric concentrations. Air Quality, Atmosphere and Health, 2008, 1, 135-142.	3.3	24
18	Indoor air quality indicators and toxicity potential at the hospitalsâ€™ environment in Dhaka, Bangladesh. Environmental Science and Pollution Research, 2021, 28, 37727-37740.	5.3	24

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19	In-kitchen aerosol exposure in twelve cities across the globe. Environment International, 2022, 162, 107155.	10.0	24
20	Risk assessment and evaluation of heavy metals concentrations in blood samples of plastic industry workers in Dhaka, Bangladesh. Toxicology Reports, 2020, 7, 1373-1380.	3.3	23
21	Potential health risks due to in-car aerosol exposure across ten global cities. Environment International, 2021, 155, 106688.	10.0	23
22	Removal of Remazol Red from Textile Waste Water Using Treated Sawdust - An Effective Way of Effluent Treatment. Bangladesh Pharmaceutical Journal, 2013, 16, 93-98.	0.3	22
23	Measurement of the atmospheric aerosol particle size distribution in a highly polluted mega-city in Southeast Asia (Dhaka-Bangladesh). Atmospheric Environment, 2012, 59, 338-343.	4.1	21
24	Long-Term (2003â€“2019) Air Quality, Climate Variables, and Human Health Consequences in Dhaka, Bangladesh. Frontiers in Sustainable Cities, 2021, 3, .	2.4	20
25	Chemical characterization of biomass burning deposits from cooking stoves in Bangladesh. Biomass and Bioenergy, 2013, 52, 122-130.	5.7	19
26	Carbonaceous species in total suspended particulate matters at different urban and suburban locations in the Greater Dhaka region, Bangladesh. Air Quality, Atmosphere and Health, 2013, 6, 239-245.	3.3	17
27	Large global variations in measured airborne metal concentrations driven by anthropogenic sources. Scientific Reports, 2020, 10, 21817.	3.3	17
28	Dew water chemical composition and source characterization in the IGP outflow location (coastal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	16
29	Wintertime Air Quality in Megacity Dhaka, Bangladesh Strongly Affected by Influx of Black Carbon Aerosols from Regional Biomass Burning. Environmental Science & Technology, 2021, 55, 12243-12249.	10.0	15
30	Spatial and temporal variation of aerosol optical depths over six major cities in Bangladesh. Atmospheric Research, 2021, 262, 105803.	4.1	13
31	Chemical characterization of PM2.5 collected from a rural coastal island of the Bay of Bengal (Bhola,) Tj ETQq1 1 0.784314 rgBT /Ove	5.3	12
32	Research Priorities of Applying Low-Cost PM2.5 Sensors in Southeast Asian Countries. International Journal of Environmental Research and Public Health, 2022, 19, 1522.	2.6	12
33	Sensitivity study of plant species due to traffic emitted air pollutants (NO2 and PM2.5) during different seasons in Dhaka, Bangladesh. SN Applied Sciences, 2019, 1, 1.	2.9	11
34	Receptor modelling and risk factors of polycyclic aromatic hydrocarbons (PAHs) in the atmospheric particulate matter at an IGP outflow location (island of the bay of Bengalâ€”Bhola, Bangladesh). Air Quality, Atmosphere and Health, 2021, 14, 1417-1431.	3.3	10
35	Water Soluble Ionic Species in the Atmospheric Fine Particulate Matters (PM2.5) in a Southeast Asian Mega City (Dhaka, Bangladesh). Open Journal of Air Pollution, 2015, 04, 99-108.	1.4	10
36	Aerosol Optical Depth Retrieval Over South Asia Using FY-4A/AGRI Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	9

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37	Plastic Burning Impacts on Atmospheric Fine Particulate Matter at Urban and Rural Sites in the USA and Bangladesh. ACS Environmental Au, 2022, 2, 409-417.	7.0	9
38	Distinguishing Air Pollution Due to Stagnation, Local Emissions, and Long-Range Transport Using a Generalized Additive Model to Analyze Hourly Monitoring Data. ACS Earth and Space Chemistry, 2021, 5, 2329-2340.	2.7	8
39	Influence of Monsoonal Driving Factors on the Secondary Inorganic Aerosol over Ambient Air in Dhaka. ACS Earth and Space Chemistry, 2021, 5, 2517-2533.	2.7	8
40	Light absorption properties of brown carbon from biomass burning emissions. Environmental Science and Pollution Research, 2022, 29, 21012-21022.	5.3	7
41	Sources identification of ammonium in PM2.5 during monsoon season in Dhaka, Bangladesh. Science of the Total Environment, 2022, 838, 156433.	8.0	7
42	Long-Term (2011â€“2019) Trends of O₃, NO₂, and HCHO and Sensitivity Analysis of O₃ Chemistry over the GBM (Gangesâ€“Brahmaputraâ€“Meghna) Delta: Spatial and Temporal Variabilities. ACS Earth and Space Chemistry, 2021, 5, 1468-1485.	2.7	5
43	Mineral content of different bottled water available in Bangladesh: Assessment of their compliance with current regulations. Journal of the Asiatic Society of Bangladesh Science, 2013, 38, 7-15.	0.1	4
44	Countries of the Indo-Gangetic Plain must unite against air pollution. Nature, 2021, 598, 415-415.	27.8	4
45	Characterization and Source Discovery of Wintertime Fog on Coastal Island, Bangladesh. Atmosphere, 2022, 13, 497.	2.3	4
46	Chemical Composition and Source Characterization of Hailstones in Dhaka, Bangladesh. Journal of Geoscience and Environment Protection, 2018, 06, 71-82.	0.5	3
47	Aerosol climatology characterization over Bangladesh using ground-based and remotely sensed satellite measurements. Elementa, 2022, 10, .	3.2	3
48	Atmospheric chemistry research in Monsoon Asia and Oceania: Current status and future prospects. APN Science Bulletin, 2020, 10, .	0.7	1
49	Ice Nucleation Characteristics of Atmospheric Trace Gas Aged Mineral Dust Aerosols with a Continuous Flow Diffusion Chamber. , 2007, , 423-426.		0
50	Heavy metals accumulation in freshwater mussels (Lamellidens marginalis) as a biological monitor inhabiting in Dhanmondi Lake, Dhaka, Bangladesh.. International Journal of Bioassays, 2016, 5, 4933.	0.1	0