

Md Firoz Khan

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

3,370
citations

218381

26
h-index

174990

52
g-index

114
all docs

114
docs citations

114
times ranked

3753
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentration of heavy metals in seafood (fishes, shrimp, lobster and crabs) and human health assessment in Saint Martin Island, Bangladesh. <i>Ecotoxicology and Environmental Safety</i> , 2018, 159, 153-163.	2.9	217
2	Concentration and source identification of polycyclic aromatic hydrocarbons (PAHs) in PM ₁₀ of urban, industrial and semi-urban areas in Malaysia. <i>Atmospheric Environment</i> , 2014, 86, 16-27.	1.9	201
3	Consistency and Traceability of Black Carbon Measurements Made by Laser-Induced Incandescence, Thermal-Optical Transmittance, and Filter-Based Photo-Absorption Techniques. <i>Aerosol Science and Technology</i> , 2011, 45, 295-312.	1.5	194
4	Impact of regional haze towards air quality in Malaysia: A review. <i>Atmospheric Environment</i> , 2018, 177, 28-44.	1.9	143
5	Fine particulate matter in the tropical environment: monsoonal effects, source apportionment, and health risk assessment. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 597-617.	1.9	138
6	Characterization of PM _{2.5} , PM _{2.5} – ₁₀ and PM ₁₀ in ambient air, Yokohama, Japan. <i>Atmospheric Research</i> , 2010, 96, 159-172.	1.8	136
7	Seasonal effect and source apportionment of polycyclic aromatic hydrocarbons in PM _{2.5} . <i>Atmospheric Environment</i> , 2015, 106, 178-190.	1.9	136
8	Seasonal variability of PM _{2.5} ; composition and sources in the Klang Valley urban-industrial environment. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5357-5381.	1.9	102
9	Source apportionment and health risk assessment among specific age groups during haze and non-haze episodes in Kuala Lumpur, Malaysia. <i>Science of the Total Environment</i> , 2017, 601-602, 556-570.	3.9	94
10	Diagnosing spatial biases and uncertainties in global fire emissions inventories: Indonesia as regional case study. <i>Remote Sensing of Environment</i> , 2020, 237, 111557.	4.6	89
11	Long term assessment of air quality from a background station on the Malaysian Peninsula. <i>Science of the Total Environment</i> , 2014, 482-483, 336-348.	3.9	86
12	A case-crossover analysis of forest fire haze events and mortality in Malaysia. <i>Atmospheric Environment</i> , 2014, 96, 257-265.	1.9	83
13	Quantifying the sources of hazardous elements of suspended particulate matter aerosol collected in Yokohama, Japan. <i>Atmospheric Environment</i> , 2010, 44, 2646-2657.	1.9	77
14	New estimate of particulate emissions from Indonesian peat fires in 2015. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11105-11121.	1.9	63
15	Characteristics and health effect of heavy metals on non-exhaust road dusts in Kuala Lumpur. <i>Science of the Total Environment</i> , 2020, 703, 135535.	3.9	61
16	Distribution, sources and potential health risks of polycyclic aromatic hydrocarbons (PAHs) in PM _{2.5} collected during different monsoon seasons and haze episode in Kuala Lumpur. <i>Chemosphere</i> , 2019, 219, 1-14.	4.2	59
17	Rural drinking water at supply and household levels: Quality and management. <i>International Journal of Hygiene and Environmental Health</i> , 2006, 209, 451-460.	2.1	58
18	BTEX compositions and its potential health impacts in Malaysia. <i>Chemosphere</i> , 2019, 237, 124451.	4.2	41

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19	Risk of concentrations of major air pollutants on the prevalence of cardiovascular and respiratory diseases in urbanized area of Kuala Lumpur, Malaysia. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 290-300.	2.9	41
20	Source apportionment of surfactants in marine aerosols at different locations along the Malacca Straits. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6590-6602.	2.7	39
21	Comprehensive assessment of PM _{2.5} physicochemical properties during the Southeast Asia dry season (southwest monsoon). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,589.	1.2	39
22	Trends in atmospheric particulate matter in Dhaka, Bangladesh, and the vicinity. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17393-17403.	2.7	36
23	Quantitative source apportionment and human toxicity of indoor trace metals at university buildings. <i>Building and Environment</i> , 2017, 121, 238-246.	3.0	31
24	Air quality and health impacts of vegetation and peat fires in Equatorial Asia during 2004–2015. <i>Environmental Research Letters</i> , 2020, 15, 094054.	2.2	30
25	Assessment of the sources of suspended particulate matter aerosol using US EPA PMF 3.0. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1063-1083.	1.3	29
26	Physicochemical factors and sources of particulate matter at residential urban environment in Kuala Lumpur. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 958-969.	0.9	28
27	Source apportionment and health risk assessment of PM ₁₀ in a naturally ventilated school in a tropical environment. <i>Ecotoxicology and Environmental Safety</i> , 2016, 124, 351-362.	2.9	28
28	Characterization and source profiling of volatile organic compounds in indoor air of private residences in Selangor State, Malaysia. <i>Science of the Total Environment</i> , 2017, 586, 1279-1286.	3.9	28
29	Local and transboundary factors' impacts on trace gases and aerosol during haze episode in 2015 El Niño in Malaysia. <i>Science of the Total Environment</i> , 2018, 630, 1502-1514.	3.9	28
30	Heptaplex Polymerase Chain Reaction Assay for the Simultaneous Detection of Beef, Buffalo, Chicken, Cat, Dog, Pork, and Fish in Raw and Heat-Treated Food Products. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8268-8278.	2.4	28
31	Distribution of surfactants along the estuarine area of Selangor River, Malaysia. <i>Marine Pollution Bulletin</i> , 2014, 80, 344-350.	2.3	27
32	Source Contribution of PM _{2.5} at Different Locations on the Malaysian Peninsula. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 537-542.	1.3	27
33	Physicochemical factors and their potential sources inferred from long-term rainfall measurements at an urban and a remote rural site in tropical areas. <i>Science of the Total Environment</i> , 2018, 613-614, 1401-1416.	3.9	27
34	Ambient BTEX levels over urban, suburban and rural areas in Malaysia. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 341-351.	1.5	27
35	Concentration and source apportionment of volatile organic compounds (VOCs) in the ambient air of Kuala Lumpur, Malaysia. <i>Natural Hazards</i> , 2017, 85, 437-452.	1.6	26
36	Airborne particles in the city center of Kuala Lumpur: Origin, potential driving factors, and deposition flux in human respiratory airways. <i>Science of the Total Environment</i> , 2019, 650, 1195-1206.	3.9	26

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37	Characterization and source apportionment of particle number concentration at a semi-urban tropical environment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13111-13126.	2.7	24
38	The long-term assessment of air quality on an island in Malaysia. <i>Heliyon</i> , 2018, 4, e01054.	1.4	24
39	Characteristics, Emission Sources, and Risk Factors of Heavy Metals in PM _{2.5} from Southern Malaysia. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1309-1323.	1.2	24
40	Health risk estimation of metals bioaccumulated in commercial fish from coastal areas and rivers in Bangladesh. <i>Environmental Toxicology and Pharmacology</i> , 2021, 86, 103666.	2.0	24
41	Influences of inorganic and polycyclic aromatic hydrocarbons on the sources of PM _{2.5} in the Southeast Asian urban sites. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 999-1013.	1.5	23
42	Ecological risk and source apportionment of heavy metals in surface water and sediments on Saint Martin's Island in the Bay of Bengal. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31827-31840.	2.7	23
43	Spatial distribution of fine and coarse particulate matter during a southwest monsoon in Peninsular Malaysia. <i>Chemosphere</i> , 2021, 262, 127767.	4.2	23
44	Characterisation of particle mass and number concentration on the east coast of the Malaysian Peninsula during the northeast monsoon. <i>Atmospheric Environment</i> , 2015, 117, 187-199.	1.9	22
45	Recommendations for water supply in arsenic mitigation. <i>Public Health</i> , 2000, 114, 488-494.	1.4	21
46	Functional and nutritional properties of rambutan (<i>Nephelium lappaceum</i> L.) seed and its industrial application: A review. <i>Trends in Food Science and Technology</i> , 2020, 99, 367-374.	7.8	21
47	Composition of carbohydrates, surfactants, major elements and anions in PM _{2.5} during the 2013 Southeast Asia high pollution episode in Malaysia. <i>Particuology</i> , 2018, 37, 119-126.	2.0	20
48	El Niño driven haze over the Southern Malaysian Peninsula and Borneo. <i>Science of the Total Environment</i> , 2020, 730, 139091.	3.9	20
49	Indoor generated PM _{2.5} compositions and volatile organic compounds: Potential sources and health risk implications. <i>Chemosphere</i> , 2020, 255, 126932.	4.2	20
50	Bromocarbons in the tropical coastal and open ocean atmosphere during the 2009 Prime Expedition Scientific Cruise (PESC-09). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8137-8148.	1.9	19
51	Surfactants in the sea surface microlayer, subsurface water and fine marine aerosols in different background coastal areas. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27074-27089.	2.7	19
52	Spatio-temporal assessment of nocturnal surface ozone in Malaysia. <i>Atmospheric Environment</i> , 2019, 207, 105-116.	1.9	19
53	Surfactants in the sea-surface microlayer and atmospheric aerosol around the southern region of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2014, 84, 35-43.	2.3	18
54	Characterization of rainwater chemical composition after a Southeast Asia haze event: insight of transboundary pollutant transport during the northeast monsoon. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15278-15290.	2.7	18

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55	Calibration Model of a Low-Cost Air Quality Sensor Using an Adaptive Neuro-Fuzzy Inference System. <i>Sensors</i> , 2018, 18, 4380.	2.1	18
56	Insights into size-segregated particulate chemistry and sources in urban environment over central Indo-Gangetic Plain. <i>Chemosphere</i> , 2021, 263, 128030.	4.2	18
57	Sterols as biomarkers in the surface microlayer of the estuarine areas. <i>Marine Pollution Bulletin</i> , 2015, 93, 278-283.	2.3	17
58	Observed Trends in Extreme Temperature over the Klang Valley, Malaysia. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 1355-1370.	1.9	17
59	Aerosol Climatology Over South and Southeast Asia: Aerosol Types, Vertical Profile, and Source Fields. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033554.	1.2	17
60	Photochemical environment over Southeast Asia primed for hazardous ozone levels with influx of nitrogen oxides from seasonal biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1917-1935.	1.9	16
61	Chemical characterization and sources identification of PM _{2.5} in a tropical urban city during non-hazy conditions. <i>Urban Climate</i> , 2021, 39, 100953.	2.4	16
62	Towards an improved understanding of greenhouse gas emissions and fluxes in tropical peatlands of Southeast Asia. <i>Sustainable Cities and Society</i> , 2020, 53, 101881.	5.1	15
63	Seasonal and long term variations of surface ozone concentrations in Malaysian Borneo. <i>Science of the Total Environment</i> , 2016, 573, 494-504.	3.9	14
64	Potential factors that impact the radon level and the prediction of ambient dose equivalent rates of indoor microenvironments. <i>Science of the Total Environment</i> , 2018, 626, 1-10.	3.9	14
65	Indoor and Outdoor Exposure to PM _{2.5} during COVID-19 Lockdown in Suburban Malaysia. <i>Aerosol and Air Quality Research</i> , 2021, 21, 200476.	0.9	14
66	Hard Fats Improve the Physicochemical and Thermal Properties of Seed Fats for Applications in Confectionery Products. <i>Food Reviews International</i> , 2020, 36, 601-625.	4.3	13
67	Interaction of PM ₁₀ concentrations with local and synoptic meteorological conditions at different temporal scales. <i>Atmospheric Research</i> , 2020, 241, 104975.	1.8	13
68	Surfactants in atmospheric aerosols and rainwater around lake ecosystem. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6024-6033.	2.7	12
69	Health risk assessment of heavy metal accumulation in the Buriganga and Turag River systems for <i>Puntius ticto</i> , <i>Heteropneustes fossilis</i> , and <i>Channa punctatus</i> . <i>Environmental Geochemistry and Health</i> , 2020, 42, 531-543.	1.8	12
70	Observations of BTEX in the ambient air of Kuala Lumpur by passive sampling. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 342.	1.3	12
71	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments of Langkawi Island, Malaysia. <i>Sains Malaysiana</i> , 2018, 47, 871-882.	0.3	12
72	Urban and suburban aerosol in Yokohama, Japan: a comprehensive chemical characterization. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 441-456.	1.3	11

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73	Laboratory air quality and microbiological contamination in a university building. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	11
74	The association between temperature and cause-specific mortality in the Klang Valley, Malaysia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60209-60220.	2.7	11
75	Atmospheric PCDDs/PCDFs levels and occurrences in Southeast Asia: A review. <i>Science of the Total Environment</i> , 2021, 783, 146929.	3.9	11
76	Seasonal Variations of Atmospheric Particulate Matter and its Content of Heavy Metals in Klang Valley, Malaysia. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1148-1161.	0.9	11
77	Constraining the Emission of Particulate Matter From Indonesian Peatland Burning Using Continuous Observation Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9828-9842.	1.2	10
78	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). <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1417-1431.	1.5	10
79	Isoprene hotspots at the Western Coast of Antarctic Peninsula during MASECâ€™16. <i>Polar Science</i> , 2019, 20, 63-74.	0.5	9
80	Monsoonal variations in atmospheric surfactants at different coastal areas of the Malaysian Peninsula. <i>Marine Pollution Bulletin</i> , 2016, 109, 480-489.	2.3	8
81	Ambient Levels, Emission Sources and Health Effect of PM2.5-Bound Carbonaceous Particles and Polycyclic Aromatic Hydrocarbons in the City of Kuala Lumpur, Malaysia. <i>Atmosphere</i> , 2021, 12, 549.	1.0	8
82	Influence of Monsoonal Driving Factors on the Secondary Inorganic Aerosol over Ambient Air in Dhaka. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2517-2533.	1.2	8
83	Spatial-temporal variations in surface ozone over Ushuaia and the Antarctic region: observations from in situ measurements, satellite data, and global models. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2194-2210.	2.7	7
84	Characteristics and Source Apportionment of Black Carbon (BC) in a Suburban Area of Klang Valley, Malaysia. <i>Atmosphere</i> , 2021, 12, 784.	1.0	7
85	Children's exposure to PM2.5 and its chemical constituents in indoor and outdoor schools urban environment. <i>Atmospheric Environment</i> , 2022, 273, 118963.	1.9	7
86	The Maddenâ€”Julian Oscillation Modulates the Air Quality in the Maritime Continent. <i>Earth and Space Science</i> , 2021, 8, e2021EA001708.	1.1	6
87	Sources, Composition, and Mixing State of Submicron Particulates over the Central Indo-Gangetic Plain. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2052-2065.	1.2	6
88	Compositions, source apportionment and health risks assessment of fine particulate matter in naturally-ventilated schools. <i>Atmospheric Pollution Research</i> , 2021, 12, 101190.	1.8	6
89	Multivariate Chemometric Approach on the Surface Water Quality in Langat Upstream Tributaries, Peninsular Malaysia. <i>Journal of Environmental Science and Technology</i> , 2016, 9, 277-284.	0.3	6
90	Polycyclic aromatic hydrocarbons in coastal sediments of Southern Terengganu, South China Sea, Malaysia: source assessment using diagnostic ratios and multivariate statistic. <i>Environmental Science and Pollution Research</i> , 2022, 29, 15849-15862.	2.7	6

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91	Mercury in dental amalgam: Are our health care workers at risk?. Journal of the Air and Waste Management Association, 2016, 66, 1077-1083.	0.9	5
92	Surfactants in the Sea Surface Microlayer, Underlying Water and Atmospheric Particles of Tropical Coastal Ecosystems. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	5
93	Sea-to-Air Fluxes of Isoprene and Monoterpenes in the Coastal Upwelling Region of Peninsular Malaysia. ACS Earth and Space Chemistry, 2021, 5, 3429-3436.	1.2	5
94	Underestimation of respirable crystalline silica (RCS) compliance status among the granite crusher operators in Malaysian quarries. Air Quality, Atmosphere and Health, 2017, 10, 371-379.	1.5	4
95	Effects of drying methods on oxidative stability of roselle seed oil (Hibiscus Sabdariffa): an optimization approach. Journal of Food Science and Technology, 2021, 58, 902-910.	1.4	4
96	Influence of Tropical Weather and Northeasterly Air Mass on Carbonaceous Aerosol in the Southern Malay Peninsula. ACS Earth and Space Chemistry, 2021, 5, 553-565.	1.2	4
97	Coastal meteorology on the dispersion of air particles at the Bachok GAW Station. Science of the Total Environment, 2021, 782, 146783.	3.9	3
98	Chemical Characterization and Source Apportionment of PM2.5 near Semi-Urban Residential-Industrial Areas. Exposure and Health, 2022, 14, 149-170.	2.8	3
99	Seasonal variations of particle number concentration and its relationship with PM2.5 mass concentration in industrial-residential airshed. Environmental Geochemistry and Health, 2022, 44, 3377-3393.	1.8	3
100	So near yet so different: Surface ozone at three sites in Malaysia. IOP Conference Series: Earth and Environmental Science, 2019, 228, 012024.	0.2	2
101	Functionalized Magnetite Nanoparticle Coagulants with Tropical Fruit Waste Extract: A Potential for Water Turbidity Removal. Arabian Journal for Science and Engineering, 0, , 1.	1.7	2
102	Southeast Asian Forest Fires (1997/1998): El Niño as a Driver of Regional Impacts. Air Pollution Reviews, 2017, , 191-225.	0.1	1
103	COMPOSITION OF TRACE METALS IN INDOOR DUST DURING AND AFTER BUILDING RENOVATION. Environmental Engineering and Management Journal, 2018, 17, 1781-1790.	0.2	1
104	The concentration of particulate matters in mechanically ventilated school classroom during haze episode in Kuala Lumpur City Centre. Air Quality, Atmosphere and Health, 0, , 1.	1.5	1
105	Monsoon influences distribution of surfactants at different coastal areas into atmospheric aerosol. AIP Conference Proceedings, 2016, , .	0.3	0
106	Silica dust exposure: Effect of filter size to compliance determination. AIP Conference Proceedings, 2016, , .	0.3	0
107	Trace Element Concentrations in Commercial Fish Collected from Coastal Area and Rivers of Bangladesh Human Health Risk Assessment. Environmental Science and Engineering, 2021, , 2025-2030.	0.1	0