

# Md Firoz Khan

## List of Publications by Citations

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106  
papers

2,222  
citations

23  
h-index

43  
g-index

114  
ext. papers

2,797  
ext. citations

5.6  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
106	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> , <b>2011</b> , 45, 295-312	3.4	166
105	Concentration and source identification of polycyclic aromatic hydrocarbons (PAHs) in PM10 of urban, industrial and semi-urban areas in Malaysia. <i>Atmospheric Environment</i> , <b>2014</b> , 48, 16-27	5.3	156
104	Characterization of PM2.5, PM2.5-10 and PM>10 in ambient air, Yokohama, Japan. <i>Atmospheric Research</i> , <b>2010</b> , 96, 159-172	5.4	121
103	Seasonal effect and source apportionment of polycyclic aromatic hydrocarbons in PM2.5. <i>Atmospheric Environment</i> , <b>2015</b> , 106, 178-190	5.3	105
102	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> , <b>2018</b> , 159, 153-163	7.3	104
101	Fine particulate matter in the tropical environment: monsoonal effects, source apportionment, and health risk assessment. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 597-617	6.8	100
100	Impact of regional haze towards air quality in Malaysia: A review. <i>Atmospheric Environment</i> , <b>2018</b> , 177, 28-44	5.3	90
99	Seasonal variability of PM<sub>2.5</sub> composition and sources in the Klang Valley urban-industrial environment. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5357-5381	6.8	77
98	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> , <b>2017</b> , 601-602, 556-570	10.2	66
97	Long term assessment of air quality from a background station on the Malaysian Peninsula. <i>Science of the Total Environment</i> , <b>2014</b> , 482-483, 336-48	10.2	63
96	A case-crossover analysis of forest fire haze events and mortality in Malaysia. <i>Atmospheric Environment</i> , <b>2014</b> , 96, 257-265	5.3	62
95	Quantifying the sources of hazardous elements of suspended particulate matter aerosol collected in Yokohama, Japan. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 2646-2657	5.3	62
94	Rural drinking water at supply and household levels: quality and management. <i>International Journal of Hygiene and Environmental Health</i> , <b>2006</b> , 209, 451-60	6.9	47
93	Diagnosing spatial biases and uncertainties in global fire emissions inventories: Indonesia as regional case study. <i>Remote Sensing of Environment</i> , <b>2020</b> , 237, 111557	13.2	37
92	Comprehensive assessment of PM2.5 physicochemical properties during the Southeast Asia dry season (southwest monsoon). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,589-14,611	4.4	34
91	Source apportionment of surfactants in marine aerosols at different locations along the Malacca Straits. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 6590-602	5.1	31
90	New estimate of particulate emissions from Indonesian peat fires in 2015. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11105-11121	6.8	30

89	Characteristics and health effect of heavy metals on non-exhaust road dusts in Kuala Lumpur. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135535	10.2	30
88	Distribution, sources and potential health risks of polycyclic aromatic hydrocarbons (PAHs) in PM collected during different monsoon seasons and haze episode in Kuala Lumpur. <i>Chemosphere</i> , <b>2019</b> , 219, 1-14	8.4	29
87	Assessment of the sources of suspended particulate matter aerosol using US EPA PMF 3.0. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 1063-83	3.1	26
86	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> , <b>2019</b> , 171, 290-300	7	25
85	Trends in atmospheric particulate matter in Dhaka, Bangladesh, and the vicinity. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 17393-403	5.1	24
84	Source apportionment and health risk assessment of PM <sub>10</sub> in a naturally ventilated school in a tropical environment. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 124, 351-362	7	23
83	Source contribution of PM <sub>10</sub> at different locations on the Malaysian Peninsula. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2015</b> , 94, 537-42	2.7	23
82	Characterization and source apportionment of particle number concentration at a semi-urban tropical environment. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 13111-26	5.1	22
81	Physicochemical factors and sources of particulate matter at residential urban environment in Kuala Lumpur. <i>Journal of the Air and Waste Management Association</i> , <b>2015</b> , 65, 958-69	2.4	22
80	BTEX compositions and its potential health impacts in Malaysia. <i>Chemosphere</i> , <b>2019</b> , 237, 124451	8.4	21
79	Characterisation of particle mass and number concentration on the east coast of the Malaysian Peninsula during the northeast monsoon. <i>Atmospheric Environment</i> , <b>2015</b> , 117, 187-199	5.3	20
78	Distribution of surfactants along the estuarine area of Selangor River, Malaysia. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 80, 344-50	6.7	20
77	Quantitative source apportionment and human toxicity of indoor trace metals at university buildings. <i>Building and Environment</i> , <b>2017</b> , 121, 238-246	6.5	19
76	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> , <b>2018</b> , 613-614, 1401-1416	10.2	19
75	Influences of inorganic and polycyclic aromatic hydrocarbons on the sources of PM <sub>2.5</sub> in the Southeast Asian urban sites. <i>Air Quality, Atmosphere and Health</i> , <b>2017</b> , 10, 999-1013	5.6	19
74	Recommendations for water supply in arsenic mitigation. <i>Public Health</i> , <b>2000</b> , 114, 488-494	4	19
73	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> , <b>2017</b> , 586, 1279-1286	10.2	18
72	Bromocarbons in the tropical coastal and open ocean atmosphere during the 2009 Prime Expedition Scientific Cruise (PESC-09). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 8137-8148	6.8	18

71	Ambient BTEX levels over urban, suburban and rural areas in Malaysia. <i>Air Quality, Atmosphere and Health</i> , <b>2019</b> , 12, 341-351	5.6	17
70	Concentration and source apportionment of volatile organic compounds (VOCs) in the ambient air of Kuala Lumpur, Malaysia. <i>Natural Hazards</i> , <b>2017</b> , 85, 437-452	3	17
69	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> , <b>2019</b> , 650, 1195-1206	10.2	17
68	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> , <b>2017</b> , 24, 15278-15290	5.1	16
67	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> , <b>2019</b> , 67, 8268-8278	5.7	16
66	Surfactants in the sea-surface microlayer and atmospheric aerosol around the southern region of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 84, 35-43	6.7	16
65	Composition of carbohydrates, surfactants, major elements and anions in PM <sub>2.5</sub> during the 2013 Southeast Asia high pollution episode in Malaysia. <i>Particuology</i> , <b>2018</b> , 37, 119-126	2.8	15
64	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> , <b>2018</b> , 630, 1502-1514	10.2	14
63	Indoor generated PM compositions and volatile organic compounds: Potential sources and health risk implications. <i>Chemosphere</i> , <b>2020</b> , 255, 126932	8.4	13
62	Surfactants in the sea surface microlayer, subsurface water and fine marine aerosols in different background coastal areas. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 27074-27089	5.1	13
61	Spatial distribution of fine and coarse particulate matter during a southwest monsoon in Peninsular Malaysia. <i>Chemosphere</i> , <b>2021</b> , 262, 127767	8.4	13
60	The long-term assessment of air quality on an island in Malaysia. <i>Heliyon</i> , <b>2018</b> , 4, e01054	3.6	13
59	Spatio-temporal assessment of nocturnal surface ozone in Malaysia. <i>Atmospheric Environment</i> , <b>2019</b> , 207, 105-116	5.3	12
58	Sterols as biomarkers in the surface microlayer of the estuarine areas. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 93, 278-83	6.7	12
57	Air quality and health impacts of vegetation and peat fires in Equatorial Asia during 2004-2015. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 094054	6.2	12
56	Characteristics, Emission Sources, and Risk Factors of Heavy Metals in PM <sub>2.5</sub> from Southern Malaysia. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 1309-1323	3.2	12
55	El Niño driven haze over the Southern Malaysian Peninsula and Borneo. <i>Science of the Total Environment</i> , <b>2020</b> , 730, 139091	10.2	11
54	Seasonal and long term variations of surface ozone concentrations in Malaysian Borneo. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 494-504	10.2	11

53	Surfactants in atmospheric aerosols and rainwater around lake ecosystem. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 6024-33	5.1	11
52	Urban and suburban aerosol in Yokohama, Japan: a comprehensive chemical characterization. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 171, 441-56	3.1	11
51	Insights into size-segregated particulate chemistry and sources in urban environment over central Indo-Gangetic Plain. <i>Chemosphere</i> , <b>2021</b> , 263, 128030	8.4	11
50	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> , <b>2018</b> , 626, 1-10	10.2	10
49	Calibration Model of a Low-Cost Air Quality Sensor Using an Adaptive Neuro-Fuzzy Inference System. <i>Sensors</i> , <b>2018</b> , 18,	3.8	10
48	Towards an improved understanding of greenhouse gas emissions and fluxes in tropical peatlands of Southeast Asia. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101881	10.1	9
47	Ecological risk and source apportionment of heavy metals in surface water and sediments on Saint Martin Island in the Bay of Bengal. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 31827-31840	5.1	8
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> , <b>2020</b> , 99, 367-374	15.3	8
45	Constraining the Emission of Particulate Matter From Indonesian Peatland Burning Using Continuous Observation Data. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9828-9842	4.4	8
44	Observed Trends in Extreme Temperature over the Klang Valley, Malaysia. <i>Advances in Atmospheric Sciences</i> , <b>2019</b> , 36, 1355-1370	2.9	8
43	Laboratory air quality and microbiological contamination in a university building. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	7
42	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments of Langkawi Island, Malaysia <b>2018</b> , 47, 871-882		7
41	Chemical characterization and sources identification of PM <sub>2.5</sub> in a tropical urban city during non-hazy conditions. <i>Urban Climate</i> , <b>2021</b> , 39, 100953	6.8	7
40	Interaction of PM <sub>10</sub> concentrations with local and synoptic meteorological conditions at different temporal scales. <i>Atmospheric Research</i> , <b>2020</b> , 241, 104975	5.4	6
39	Monsoonal variations in atmospheric surfactants at different coastal areas of the Malaysian Peninsula. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 109, 480-489	6.7	6
38	Multivariate Chemometric Approach on the Surface Water Quality in Langat Upstream Tributaries, Peninsular Malaysia. <i>Journal of Environmental Science and Technology</i> , <b>2016</b> , 9, 277-284	0.6	6
37	Fine particulate matter associated with monsoonal effect and the responses of biomass fire hotspots in the tropical environment		6
36	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> , <b>2020</b> , 42, 531-543	4.7	6

35	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> , <b>2018</b> , 25, 2194-2210	5.1	6
34	Atmospheric PCDDs/PCDFs levels and occurrences in Southeast Asia: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 783, 146929	10.2	6
33	Seasonal Variations of Atmospheric Particulate Matter and its Content of Heavy Metals in Klang Valley, Malaysia. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 1148-1161	4.6	5
32	Meteorological-gaseous influences on seasonal PM <sub>2.5</sub> variability in the Klang Valley urban-industrial environment		5
31	Mercury in dental amalgam: Are our health care workers at risk?. <i>Journal of the Air and Waste Management Association</i> , <b>2016</b> , 66, 1077-1083	2.4	5
30	Isoprene hotspots at the Western Coast of Antarctic Peninsula during MASEC'16. <i>Polar Science</i> , <b>2019</b> , 20, 63-74	2.3	5
29	Indoor and Outdoor Exposure to PM <sub>2.5</sub> during COVID-19 Lockdown in Suburban Malaysia. <i>Aerosol and Air Quality Research</i> , <b>2021</b> , 21, 200476	4.6	5
28	Observations of BTEX in the ambient air of Kuala Lumpur by passive sampling. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 342	3.1	4
27	Hard Fats Improve the Physicochemical and Thermal Properties of Seed Fats for Applications in Confectionery Products. <i>Food Reviews International</i> , <b>2020</b> , 36, 601-625	5.5	4
26	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> , <b>2021</b> , 21, 1917-1935	6.8	4
25	Health risk estimation of metals bioaccumulated in commercial fish from coastal areas and rivers in Bangladesh. <i>Environmental Toxicology and Pharmacology</i> , <b>2021</b> , 86, 103666	5.8	4
24	Surfactants in the Sea Surface Microlayer, Underlying Water and Atmospheric Particles of Tropical Coastal Ecosystems. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	3
23	Influence of Monsoonal Driving Factors on the Secondary Inorganic Aerosol over Ambient Air in Dhaka. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2517-2533	3.2	3
22	So near yet so different: Surface ozone at three sites in Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 228, 012024	0.3	2
21	Underestimation of respirable crystalline silica (RCS) compliance status among the granite crusher operators in Malaysian quarries. <i>Air Quality, Atmosphere and Health</i> , <b>2017</b> , 10, 371-379	5.6	2
20	Aerosol Climatology Over South and Southeast Asia: Aerosol Types, Vertical Profile, and Source Fields. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033554	4.4	2
19	Influence of Tropical Weather and Northeasterly Air Mass on Carbonaceous Aerosol in the Southern Malay Peninsula. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 553-565	3.2	2
18	Coastal meteorology on the dispersion of air particles at the Bachok GAW Station. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146783	10.2	2

17	Compositions, source apportionment and health risks assessment of fine particulate matter in naturally-ventilated schools. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101190	4.5	2
16	Southeast Asian Forest Fires (1997/1998): El Niño as a Driver of Regional Impacts. <i>Air Pollution Reviews</i> , <b>2017</b> , 191-225		1
15	Children's exposure to PM <sub>2.5</sub> and its chemical constituents in indoor and outdoor schools urban environment. <i>Atmospheric Environment</i> , <b>2022</b> , 273, 118963	5.3	1
14	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> , <b>2021</b> , 1	5.1	1
13	Characteristics and Source Apportionment of Black Carbon (BC) in a Suburban Area of Klang Valley, Malaysia. <i>Atmosphere</i> , <b>2021</b> , 12, 784	2.7	1
12	The association between temperature and cause-specific mortality in the Klang Valley, Malaysia. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 60209-60220	5.1	1
11	Effects of drying methods on oxidative stability of roselle seed oil (): an optimization approach. <i>Journal of Food Science and Technology</i> , <b>2021</b> , 58, 902-910	3.3	1
10	Functionalized Magnetite Nanoparticle Coagulants with Tropical Fruit Waste Extract: A Potential for Water Turbidity Removal. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	1
9	The concentration of particulate matters in mechanically ventilated school classroom during haze episode in Kuala Lumpur City Centre. <i>Air Quality, Atmosphere and Health</i> , 1	5.6	0
8	Ambient Levels, Emission Sources and Health Effect of PM <sub>2.5</sub> -Bound Carbonaceous Particles and Polycyclic Aromatic Hydrocarbons in the City of Kuala Lumpur, Malaysia. <i>Atmosphere</i> , <b>2021</b> , 12, 549	2.7	0
7	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 Bengal-Bhola, Bangladesh). <i>Air Quality, Atmosphere and Health</i> , <b>2021</b> , 14, 1417-1431	5.6	0
6	The Madden-Julian Oscillation Modulates the Air Quality in the Maritime Continent. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2021EA001708	3.1	0
5	Sources, Composition, and Mixing State of Submicron Particulates over the Central Indo-Gangetic Plain. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2052-2065	3.2	0
4	Chemical Characterization and Source Apportionment of PM <sub>2.5</sub> near Semi-Urban Residential-Industrial Areas. <i>Exposure and Health</i> , 1	8.8	0
3	Seasonal variations of particle number concentration and its relationship with PM mass concentration in industrial-residential airshed. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 1	4.7	0
2	COMPOSITION OF TRACE METALS IN INDOOR DUST DURING AND AFTER BUILDING RENOVATION. <i>Environmental Engineering and Management Journal</i> , <b>2018</b> , 17, 1781-1790	0.6	
1	Trace Element Concentrations in Commercial Fish Collected from Coastal Area and Rivers of Bangladesh Human Health Risk Assessment. <i>Environmental Science and Engineering</i> , <b>2021</b> , 2025-2030	0.2	