Md Firoz Khan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8888983/publications.pdf

Version: 2024-02-01

107 papers	3,370 citations	218677 26 h-index	175258 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. Ecotoxicology and Environmental Safety, 2018, 159, 153-163.	6.0	217
2	Concentration and source identification of polycyclic aromatic hydrocarbons (PAHs) in PM10 of urban, industrial and semi-urban areas in Malaysia. Atmospheric Environment, 2014, 86, 16-27.	4.1	201
3	Consistency and Traceability of Black Carbon Measurements Made by Laser-Induced Incandescence, Thermal-Optical Transmittance, and Filter-Based Photo-Absorption Techniques. Aerosol Science and Technology, 2011, 45, 295-312.	3.1	194
4	Impact of regional haze towards air quality in Malaysia: A review. Atmospheric Environment, 2018, 177, 28-44.	4.1	143
5	Fine particulate matter in the tropical environment: monsoonal effects, source apportionment, and health risk assessment. Atmospheric Chemistry and Physics, 2016, 16, 597-617.	4.9	138
6	Characterization of PM2.5, PM2.5â€“10 and PM>10 in ambient air, Yokohama, Japan. Atmospheric Research, 2010, 96, 159-172.	4.1	136
7	Seasonal effect and source apportionment of polycyclic aromatic hydrocarbons in PM2.5. Atmospheric Environment, 2015, 106, 178-190.	4.1	136
8	Seasonal variability of PM_{2.5} composition and sources in the Klang Valley urban-industrial environment. Atmospheric Chemistry and Physics, 2016, 16, 5357-5381.	4.9	102
9	Source apportionment and health risk assessment among specific age groups during haze and non-haze episodes in Kuala Lumpur, Malaysia. Science of the Total Environment, 2017, 601-602, 556-570.	8.0	94
10	Diagnosing spatial biases and uncertainties in global fire emissions inventories: Indonesia as regional case study. Remote Sensing of Environment, 2020, 237, 111557.	11.0	89
11	Long term assessment of air quality from a background station on the Malaysian Peninsula. Science of the Total Environment, 2014, 482-483, 336-348.	8.0	86
12	A case-crossover analysis of forest fire haze events and mortality in Malaysia. Atmospheric Environment, 2014, 96, 257-265.	4.1	83
13	Quantifying the sources of hazardous elements of suspended particulate matter aerosol collected in Yokohama, Japan. Atmospheric Environment, 2010, 44, 2646-2657.	4.1	77
14	New estimate of particulate emissions from Indonesian peat fires in 2015. Atmospheric Chemistry and Physics, 2019, 19, 11105-11121.	4.9	63
15	Characteristics and health effect of heavy metals on non-exhaust road dusts in Kuala Lumpur. Science of the Total Environment, 2020, 703, 135535.	8.0	61
16	Distribution, sources and potential health risks of polycyclic aromatic hydrocarbons (PAHs) in PM2.5 collected during different monsoon seasons and haze episode in Kuala Lumpur. Chemosphere, 2019, 219, 1-14.	8.2	59
17	Rural drinking water at supply and household levels: Quality and management. International Journal of Hygiene and Environmental Health, 2006, 209, 451-460.	4.3	58
18	BTEX compositions and its potential health impacts in Malaysia. Chemosphere, 2019, 237, 124451.	8.2	41

#	Article	IF	Citations
19	Risk of concentrations of major air pollutants on the prevalence of cardiovascular and respiratory diseases in urbanized area of Kuala Lumpur, Malaysia. Ecotoxicology and Environmental Safety, 2019, 171, 290-300.	6.0	41
20	Source apportionment of surfactants in marine aerosols at different locations along the Malacca Straits. Environmental Science and Pollution Research, 2014, 21, 6590-6602.	5.3	39
21	Comprehensive assessment of PM_{2.5} physicochemical properties during the Southeast Asia dry season (southwest monsoon). Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,589.	3.3	39
22	Trends in atmospheric particulate matter in Dhaka, Bangladesh, and the vicinity. Environmental Science and Pollution Research, 2016, 23, 17393-17403.	5.3	36
23	Quantitative source apportionment and human toxicity of indoor trace metals at university buildings. Building and Environment, 2017, 121, 238-246.	6.9	31
24	Air quality and health impacts of vegetation and peat fires in Equatorial Asia during 2004â€“2015. Environmental Research Letters, 2020, 15, 094054.	5.2	30
25	Assessment of the sources of suspended particulate matter aerosol using US EPA PMF 3.0. Environmental Monitoring and Assessment, 2012, 184, 1063-1083.	2.7	29
26	Physicochemical factors and sources of particulate matter at residential urban environment in Kuala Lumpur. Journal of the Air and Waste Management Association, 2015, 65, 958-969.	1.9	28
27	Source apportionment and health risk assessment of PM10 in a naturally ventilated school in a tropical environment. Ecotoxicology and Environmental Safety, 2016, 124, 351-362.	6.0	28
28	Characterization and source profiling of volatile organic compounds in indoor air of private residences in Selangor State, Malaysia. Science of the Total Environment, 2017, 586, 1279-1286.	8.0	28
29	Local and transboundary factors' impacts on trace gases and aerosol during haze episode in 2015 El NiÃ±o in Malaysia. Science of the Total Environment, 2018, 630, 1502-1514.	8.0	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. Journal of Agricultural and Food Chemistry, 2019, 67, 8268-8278.	5.2	28
31	Distribution of surfactants along the estuarine area of Selangor River, Malaysia. Marine Pollution Bulletin, 2014, 80, 344-350.	5.0	27
32	Source Contribution of PM2.5 at Different Locations on the Malaysian Peninsula. Bulletin of Environmental Contamination and Toxicology, 2015, 94, 537-542.	2.7	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. Science of the Total Environment, 2018, 613-614, 1401-1416.	8.0	27
34	Ambient BTEX levels over urban, suburban and rural areas in Malaysia. Air Quality, Atmosphere and Health, 2019, 12, 341-351.	3.3	27
35	Concentration and source apportionment of volatile organic compounds (VOCs) in the ambient air of Kuala Lumpur, Malaysia. Natural Hazards, 2017, 85, 437-452.	3.4	26
36	Airborne particles in the city center of Kuala Lumpur: Origin, potential driving factors, and deposition flux in human respiratory airways. Science of the Total Environment, 2019, 650, 1195-1206.	8.0	26

#	Article	IF	Citations
37	Characterization and source apportionment of particle number concentration at a semi-urban tropical environment. Environmental Science and Pollution Research, 2015, 22, 13111-13126.	5.3	24
38	The long-termÂassessment ofÂair quality on an island inÂMalaysia. Heliyon, 2018, 4, e01054.	3.2	24
39	Characteristics, Emission Sources, and Risk Factors of Heavy Metals in PM_{2.5} from Southern Malaysia. ACS Earth and Space Chemistry, 2020, 4, 1309-1323.	2.7	24
40	Health risk estimation of metals bioaccumulated in commercial fish from coastal areas and rivers in Bangladesh. Environmental Toxicology and Pharmacology, 2021, 86, 103666.	4.0	24
41	Influences of inorganic and polycyclic aromatic hydrocarbons on the sources of PM2.5 in the Southeast Asian urban sites. Air Quality, Atmosphere and Health, 2017, 10, 999-1013.	3.3	23
42	Ecological risk and source apportionment of heavy metals in surface water and sediments on Saint Martinâ€™s Island in the Bay of Bengal. Environmental Science and Pollution Research, 2020, 27, 31827-31840.	5.3	23
43	Spatial distribution of fine and coarse particulate matter during a southwest monsoon in Peninsular Malaysia. Chemosphere, 2021, 262, 127767.	8.2	23
44	Characterisation of particle mass and number concentration on the east coast of the Malaysian Peninsula during the northeast monsoon. Atmospheric Environment, 2015, 117, 187-199.	4.1	22
45	Recommendations for water supply in arsenic mitigation. Public Health, 2000, 114, 488-494.	2.9	21
46	Functional and nutritional properties of rambutan (Nephelium lappaceum L.) seed and its industrial application: A review. Trends in Food Science and Technology, 2020, 99, 367-374.	15.1	21
47	Composition of carbohydrates, surfactants, major elements and anions in PM2.5 during the 2013 Southeast Asia high pollution episode in Malaysia. Particuology, 2018, 37, 119-126.	3.6	20
48	El NiÃ±o driven haze over the Southern Malaysian Peninsula and Borneo. Science of the Total Environment, 2020, 730, 139091.	8.0	20
49	Indoor generated PM2.5 compositions and volatile organic compounds: Potential sources and health risk implications. Chemosphere, 2020, 255, 126932.	8.2	20
50	Bromocarbons in the tropical coastal and open ocean atmosphere during the 2009 Prime Expedition Scientific Cruise (PESC-09). Atmospheric Chemistry and Physics, 2014, 14, 8137-8148.	4.9	19
51	Surfactants in the sea surface microlayer, subsurface water and fine marine aerosols in different background coastal areas. Environmental Science and Pollution Research, 2018, 25, 27074-27089.	5.3	19
52	Spatio-temporal assessment of nocturnal surface ozone in Malaysia. Atmospheric Environment, 2019, 207, 105-116.	4.1	19
53	Surfactants in the sea-surface microlayer and atmospheric aerosol around the southern region of Peninsular Malaysia. Marine Pollution Bulletin, 2014, 84, 35-43.	5.0	18
54	Characterization of rainwater chemical composition after a Southeast Asia haze event: insight of transboundary pollutant transport during the northeast monsoon. Environmental Science and Pollution Research, 2017, 24, 15278-15290.	5.3	18

#	Article	IF	Citations
55	Calibration Model of a Low-Cost Air Quality Sensor Using an Adaptive Neuro-Fuzzy Inference System. Sensors, 2018, 18, 4380.	3.8	18
56	Insights into size-segregated particulate chemistry and sources in urban environment over central Indo-Gangetic Plain. Chemosphere, 2021, 263, 128030.	8.2	18
57	Sterols as biomarkers in the surface microlayer of the estuarine areas. Marine Pollution Bulletin, 2015, 93, 278-283.	5.0	17
58	Observed Trends in Extreme Temperature over the Klang Valley, Malaysia. Advances in Atmospheric Sciences, 2019, 36, 1355-1370.	4.3	17
59	Aerosol Climatology Over South and Southeast Asia: Aerosol Types, Vertical Profile, and Source Fields. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033554.	3.3	17
60	Photochemical environment over Southeast Asia primed for hazardous ozone levels with influx of nitrogen oxides from seasonal biomass burning. Atmospheric Chemistry and Physics, 2021, 21, 1917-1935.	4.9	16
61	Chemical characterization and sources identification of PM2.5 in a tropical urban city during non-hazy conditions. Urban Climate, 2021, 39, 100953.	5.7	16
62	Towards an improved understanding of greenhouse gas emissions and fluxes in tropical peatlands of Southeast Asia. Sustainable Cities and Society, 2020, 53, 101881.	10.4	15
63	Seasonal and long term variations of surface ozone concentrations in Malaysian Borneo. Science of the Total Environment, 2016, 573, 494-504.	8.0	14
64	Potential factors that impact the radon level and the prediction of ambient dose equivalent rates of indoor microenvironments. Science of the Total Environment, 2018, 626, 1-10.	8.0	14
65	Indoor and Outdoor Exposure to PM2.5 during COVID-19 Lockdown in Suburban Malaysia. Aerosol and Air Quality Research, 2021, 21, 200476.	2.1	14
66	Hard Fats Improve the Physicochemical and Thermal Properties of Seed Fats for Applications in Confectionery Products. Food Reviews International, 2020, 36, 601-625.	8.4	13
67	Interaction of PM10 concentrations with local and synoptic meteorological conditions at different temporal scales. Atmospheric Research, 2020, 241, 104975.	4.1	13
68	Surfactants in atmospheric aerosols and rainwater around lake ecosystem. Environmental Science and Pollution Research, 2015, 22, 6024-6033.	5.3	12
69	Health risk assessment of heavy metal accumulation in the Buriganga and Turag River systems for Puntius ticto, Heteropneustes fossilis, and Channa punctatus. Environmental Geochemistry and Health, 2020, 42, 531-543.	3.4	12
70	Observations of BTEX in the ambient air of Kuala Lumpur by passive sampling. Environmental Monitoring and Assessment, 2020, 192, 342.	2.7	12
71	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments of Langkawi Island, Malaysia. Sains Malaysiana, 2018, 47, 871-882.	0.5	12
72	Urban and suburban aerosol in Yokohama, Japan: a comprehensive chemical characterization. Environmental Monitoring and Assessment, 2010, 171, 441-456.	2.7	11

#	Article	IF	Citations
73	Laboratory air quality and microbiological contamination in a university building. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	11
74	The association between temperature and cause-specific mortality in the Klang Valley, Malaysia. Environmental Science and Pollution Research, 2021, 28, 60209-60220.	5.3	11
75	Atmospheric PCDDs/PCDFs levels and occurrences in Southeast Asia: A review. Science of the Total Environment, 2021, 783, 146929.	8.0	11
76	Seasonal Variations of Atmospheric Particulate Matter and its Content of Heavy Metals in Klang Valley, Malaysia. Aerosol and Air Quality Research, 2018, 18, 1148-1161.	2.1	11
77	Constraining the Emission of Particulate Matter From Indonesian Peatland Burning Using Continuous Observation Data. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9828-9842.	3.3	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). Air Quality, Atmosphere and Health, 2021, 14, 1417-1431.	3.3	10
79	Isoprene hotspots at the Western Coast of Antarctic Peninsula during MASECâ€²16. Polar Science, 2019, 20, 63-74.	1.2	9
80	Monsoonal variations in atmospheric surfactants at different coastal areas of the Malaysian Peninsula. Marine Pollution Bulletin, 2016, 109, 480-489.	5.0	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. Atmosphere, 2021, 12, 549.	2.3	8
82	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
83	Spatial-temporal variations in surface ozone over Ushuaia and the Antarctic region: observations from in situ measurements, satellite data, and global models. Environmental Science and Pollution Research, 2018, 25, 2194-2210.	5.3	7
84	Characteristics and Source Apportionment of Black Carbon (BC) in a Suburban Area of Klang Valley, Malaysia. Atmosphere, 2021, 12, 784.	2.3	7
85	Children's exposure to PM2.5 and its chemical constituents in indoor and outdoor schools urban environment. Atmospheric Environment, 2022, 273, 118963.	4.1	7
86	The Maddenâ€Julian Oscillation Modulates the Air Quality in the Maritime Continent. Earth and Space Science, 2021, 8, e2021EA001708.	2.6	6
87	Sources, Composition, and Mixing State of Submicron Particulates over the Central Indo-Gangetic Plain. ACS Earth and Space Chemistry, 2021, 5, 2052-2065.	2.7	6
88	Compositions, source apportionment and health risks assessment of fine particulate matter in naturally-ventilated schools. Atmospheric Pollution Research, 2021, 12, 101190.	3.8	6
89	Multivariate Chemometric Approach on the Surface Water Quality in Langat Upstream Tributaries, Peninsular Malaysia. Journal of Environmental Science and Technology, 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. Environmental Science and Pollution Research, 2022, 29, 15849-15862.	5.3	6

#	Article	IF	Citations
91	Mercury in dental amalgam: Are our health care workers at risk?. Journal of the Air and Waste Management Association, 2016, 66, 1077-1083.	1.9	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.	2.4	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.	2.7	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.	3.3	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.	2.8	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.	2.7	4
97	Coastal meteorology on the dispersion of air particles at the Bachok GAW Station. Science of the Total Environment, 2021, 782, 146783.	8.0	3
98	Chemical Characterization and Source Apportionment of PM2.5 near Semi-Urban Residential-Industrial Areas. Exposure and Health, 2022, 14, 149-170.	4.9	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.	3.4	3
100	So near yet so different: Surface ozone at three sites in Malaysia. IOP Conference Series: Earth and Environmental Science, 2019, 228, 012024.	0.3	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.	3.0	2
102	Southeast Asian Forest Fires (1997/1998): El NiÃ±o 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.	0.6	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.	3.3	1
105	Monsoon influences distribution of surfactants at different coastal areas into atmospheric aerosol. AIP Conference Proceedings, 2016, , .	0.4	0
106	Silica dust exposure: Effect of filter size to compliance determination. AIP Conference Proceedings, 2016, , .	0.4	0
107	Trace Element Concentrations in Commercial Fish Collected from Coastal Area and Rivers of Bangladeshâ€"Human Health Risk Assessment. Environmental Science and Engineering, 2021, , 2025-2030.	0.2	0