Khamphe Phoungthong

List of Publications by Year
in descending order

48 papers	1,079 citations	471061 17 h-index	476904 29 g-index
51 all docs	51 docs citations	51 times ranked	710 citing authors

#	Article	IF	Citations
1	Simultaneous appraisals of pathway and probable health risk associated with trace metals contamination in groundwater from Barapukuria coal basin, Bangladesh. Chemosphere, 2020, 242, 125183.	4.2	95
2	Evaluation of a classification method for biodegradable solid wastes using anaerobic degradation parameters. Waste Management, 2013, 33, 2632-2640.	3.7	84
3	FDI, Green Innovation and Environmental Quality Nexus: New Insights from BRICS Economies. Sustainability, 2022, 14, 2181.	1.6	76
4	Distribution of heavy metals in water and sediment of an urban river in a developing country: A probabilistic risk assessment. International Journal of Sediment Research, 2022, 37, 173-187.	1.8	70
5	Distribution of naturally occurring radionuclides in soil around a coal-based power plant and their potential radiological risk assessment. Radiochimica Acta, 2019, 107, 243-259.	0.5	57
6	Assessment of natural radioactivity in coals and coal combustion residues from a coal-based thermoelectric plant in Bangladesh: implications for radiological health hazards. Environmental Monitoring and Assessment, 2019, 191, 27.	1.3	37
7	An Effective Evaluation on Fault Detection in Solar Panels. Energies, 2021, 14, 7770.	1.6	37
8	Leaching toxicity characteristics of municipal solid waste incineration bottom ash. Frontiers of Environmental Science and Engineering, 2016, 10, 399-411.	3.3	35
9	Leaching characteristics of calcium-based compounds in MSWI Residues: From the viewpoint of clogging risk. Waste Management, 2015, 42, 93-100.	3.7	33
10	Leaching characteristics and phytotoxic effects of sewage sludge biochar. Journal of Material Cycles and Waste Management, 2018, 20, 2089-2099.	1.6	31
11	Relationship between anaerobic digestion of biodegradable solid waste and spectral characteristics of the derived liquid digestate. Bioresource Technology, 2014, 161, 69-77.	4.8	30
12	Evaluation of environmental radioactivity in soils around a coal burning power plant and a coal mining area in Barapukuria, Bangladesh: Radiological risks assessment. Chemical Geology, 2022, 600, 120865.	1.4	28
13	Barriers to Electric Vehicle Adoption in Thailand. Sustainability, 2021, 13, 12839.	1.6	26
14	Facile synthesis of corncob biochar via in-house modified pyrolysis for removal of methylene blue in wastewater. Materials Research Express, 2020, 7, 015518.	0.8	25
15	Microplastic pollution in urban Lake Phewa, Nepal: the first report on abundance and composition in surface water of lake in different seasons. Environmental Science and Pollution Research, 2022, 29, 39928-39936.	2.7	25
16	Enhancement the rhodamine 6G adsorption property on Fe₃O₄-composited biochar derived from rice husk. Materials Research Express, 2020, 7, 025511.	0.8	23
17	Determine the Land-Use Land-Cover Changes, Urban Expansion and Their Driving Factors for Sustainable Development in Gazipur Bangladesh. Atmosphere, 2021, 12, 1353.	1.0	22
18	Magnetic biochar derived from sewage sludge of concentrated natural rubber latex (CNRL) for the removal of Al3+ and Cu2+ ions from wastewater. Research on Chemical Intermediates, 2020, 46, 385-407.	1.3	20

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19	Characteristics of Biochars Derived from the Pyrolysis and Co-Pyrolysis of Rubberwood Sawdust and Sewage Sludge for Further Applications. Sustainability, 2022, 14, 3829.	1.6	20
20	Cadmium (II) removal from aqueous solution using magnetic spent coffee ground biochar: Kinetics, isotherm and thermodynamic adsorption. Materials Research Express, 2020, 7, 085503.	0.8	18
21	Investigation of Hydrochar Derived from Male Oil Palm Flower: Characteristics and Application for Dye Removal. Polish Journal of Environmental Studies, 2019, 29, 807-815.	0.6	18
22	Potential toxic elements in sediment and fishes of an important fish breeding river in Bangladesh: a preliminary study for ecological and health risks assessment. Toxin Reviews, 2022, 41, 945-958.	1.5	18
23	Potentially toxic elements in vegetable and rice species in Bangladesh and their exposure assessment. Journal of Food Composition and Analysis, 2022, 106, 104350.	1.9	18
24	Intrinsic characteristics of coal combustion residues and their environmental impacts: A case study for Bangladesh. Fuel, 2022, 324, 124711.	3.4	18
25	Geochemical variation and contamination level of potentially toxic elements in land-uses urban soils. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	1.8	16
26	Utilization of Cassava Wastewater for Low-Cost Production of Prodigiosin via Serratia marcescens TNU01 Fermentation and Its Novel Potent Î±-Glucosidase Inhibitory Effect. Molecules, 2021, 26, 6270.	1.7	15
27	Environmental geochemistry of higher radioactivity in a transboundary Himalayan river sediment (Brahmaputra, Bangladesh): potential radiation exposure and health risks. Environmental Science and Pollution Research, 2022, 29, 57357-57375.	2.7	15
28	Comparison of particulate matter and polycyclic aromatic hydrocarbons in emissions from IDI-turbo diesel engine fueled by palm oilâ€“diesel blends during long-term usage. Atmospheric Pollution Research, 2017, 8, 344-350.	1.8	14
29	Use of hybrid MCDM methods for site location of solar-powered hydrogen production plants in Uzbekistan. Sustainable Energy Technologies and Assessments, 2022, 52, 101979.	1.7	14
30	Emissions of particulate matter and associated polycyclic aromatic hydrocarbons from agricultural diesel engine fueled with degummed, deacidified mixed crude palm oil blends. Journal of Environmental Sciences, 2013, 25, 751-757.	3.2	13
31	Green synthesis of low-cost and eco-friendly adsorbent for dye and pharmaceutical adsorption: kinetic, isotherm, thermodynamic and regeneration studies. Materials Research Express, 2019, 6, 125526.	0.8	13
32	Contamination and ecological risk assessment of heavy metals in water and sediment from hubs of fish resource river in a developing country. Toxin Reviews, 2022, 41, 1253-1268.	1.5	13
33	Geochemical speciation and bioaccumulation of trace elements in different tissues of pumpkin in the abandoned soils: Health hazard perspective in a developing country. Toxin Reviews, 2022, 41, 1124-1138.	1.5	12
34	Phthalate Esters in Tap Water, Southern Thailand: Daily Exposure and Cumulative Health Risk in Infants, Lactating Mothers, Pregnant and Nonpregnant Women. International Journal of Environmental Research and Public Health, 2022, 19, 2187.	1.2	12
35	Influence of trimethoxy-substituted positions on fluorescence of heteroaryl chalcone derivatives. Chemical Papers, 2011, 65, .	1.0	11
36	Phytotoxicity and groundwater impacts of leaching from thermal treatment residues in roadways. Journal of Environmental Sciences, 2018, 63, 58-67.	3.2	11

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37	Heavy metals from different land use soil in the capital of ancient Pundranagar, Bangladesh: a preliminary study for ecological risk assessment. Chemistry and Ecology, 2022, 38, 720-743.	0.6	11
38	Spatial Pattern of Air Pollutant Concentrations and Their Relationship with Meteorological Parameters in Coastal Slum Settlements of Lagos, Southwestern Nigeria. Atmosphere, 2021, 12, 1426.	1.0	8
39	Performance Comparison between Particle Swarm Optimization and Differential Evolution Algorithms for Postman Delivery Routing Problem. Applied Sciences (Switzerland), 2021, 11, 2703.	1.3	7
40	Biodiesel produced using potassium methoxide homogeneous alkaline catalyst: effects of various factors on soap formation. Biomass Conversion and Biorefinery, 2023, 13, 9237-9247.	2.9	6
41	The removal of Pb2+ ion by MnFe2O4/waste tea leaves biochar and mechanism of adsorption. Materials Research Express, 2021, 8, 015505.	0.8	5
42	Physicochemical properties of water in an intensive agricultural region in Bangladesh: a preliminary study for water quality and health risk assessment. International Journal of Environmental Analytical Chemistry, 0, , 1-22.	1.8	4
43	Synthesis, Characterization, Crystal Structure, TGA and Blue Fluorescence of 6-(4-Chlorophenyl)-4-(4-methoxyphenyl)-2-methoxynicotinonitrile. Journal of Chemical Crystallography, 2013, 43, 538-543.	0.5	3
44	Leachate phytotoxicity of flue gas desulfurization residues from coal-fired power plant. Environmental Science and Pollution Research, 2018, 25, 19808-19817.	2.7	2
45	Assessing the Spectral Information of Sentinel-1 and Sentinel-2 Satellites for Above-Ground Biomass Retrieval of a Tropical Forest. ISPRS International Journal of Geo-Information, 2022, 11, 199.	1.4	2
46	6-(4-Aminophenyl)-2-methoxy-4-phenylnicotinonitrile. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1816-o1817.	0.2	1
47	Evaluating the Potential Reutilizing of Fly Ash and Bottom Ash in Thailand. Iranian Journal of Public Health, 2018, 47, 917-918.	0.3	1
48	3-(4-Aminophenyl)-5-(4-methoxyphenyl)-4,5-dihydro-1H-pyrazole-1-carbothioamide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1227-o1228.	0.2	0