Indika Herath

List of Publications by Citations

23 papers	1,352 citations	18 h-index	24 g-index
24 ext. papers	1,709 ext. citations	7.8 avg, IF	4.97 L-index

#	Paper	IF	Citations
23	Antimony as a global dilemma: Geochemistry, mobility, fate and transport. *Environmental Pollution*, **2017**, 223, 545-559	9.3	213
22	Interaction of arsenic with biochar in soil and water: A critical review. *Carbon*, **2017**, 113, 219-230	10.4	200
21	Kinetics, thermodynamics and mechanistic studies of carbofuran removal using biochars from tea waste and rice husks. *Chemosphere*, **2016**, 150, 781-789	8.4	127
20	Natural Arsenic in Global Groundwaters: Distribution and Geochemical Triggers for Mobilization. *Current Pollution Reports*, **2016**, 2, 68-89	7.6	123
19	Equilibrium and kinetic mechanisms of woody biochar on aqueous glyphosate removal. *Chemosphere*, **2016**, 144, 2516-21	8.4	115
18	Mechanistic modeling of glyphosate interaction with rice husk derived engineered biochar. *Microporous and Mesoporous Materials*, **2016**, 225, 280-288	5.3	77
17	Role of woody biochar and fungal-bacterial co-inoculation on enzyme activity and metal immobilization in serpentine soil. *Journal of Soils and Sediments*, **2017**, 17, 665-673	3.4	60
16	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. *Environment International*, **2019**, 127, 52-69	12.9	58
15	Efficacy of woody biomass and biochar for alleviating heavy metal bioavailability in serpentine soil. *Environmental Geochemistry and Health*, **2017**, 39, 391-401	4.7	50
14	Mechanistic understanding of crystal violet dye sorption by woody biochar: implications for wastewater treatment. *Environmental Geochemistry and Health*, **2019**, 41, 1647-1661	4.7	49
13	Arsenic in Latin America: A critical overview on the geochemistry of arsenic originating from geothermal features and volcanic emissions for solving its environmental consequences. *Science of the Total Environment*, **2020**, 716, 135564	10.2	38
12	Effects of carbon nanotube and biochar on bioavailability of Pb, Cu and Sb in multi-metal contaminated soil. *Environmental Geochemistry and Health*, **2017**, 39, 1409-1420	4.7	34
11	Bioenergy-derived waste biochar for reducing mobility, bioavailability, and phytotoxicity of chromium in anthropized tannery soil. *Journal of Soils and Sediments*, **2017**, 17, 731-740	3.4	32
10	Thiolated arsenic in natural systems: What is current, what is new and what needs to be known. *Environment International*, **2018**, 115, 370-386	12.9	32
9	Insights into aqueous carbofuran removal by modified and non-modified rice husk biochars. *Environmental Science and Pollution Research*, **2017**, 24, 22755-22763	5.1	25
8	Hydrogeochemical controls on arsenic mobility in an arid inland basin, Southeast of Iran: The role of alkaline conditions and salt water intrusion. *Environmental Pollution*, **2019**, 249, 910-922	9.3	23
7	Microbe mediated immobilization of arsenic in the rice rhizosphere after incorporation of silica impregnated biochar composites. *Journal of Hazardous Materials*, **2020**, 398, 123096	12.8	23

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6	Influence of bioenergy waste biochar on proton- and ligand-promoted release of Pb and Cu in a shooting range soil. *Science of the Total Environment*, **2018**, 625, 547-554	10.2	21
5	A fast analytical protocol for simultaneous speciation of arsenic by Ultra-High Performance Liquid Chromatography (UHPLC) hyphenated to Inductively Coupled Plasma Mass Spectrometry (ICP-MS) as a modern advancement in liquid chromatography approaches. *Talanta*, **2020**, 208, 120457	6.2	17
4	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. *Science of the Total Environment*, **2021**, 780, 146274	10.2	17
3	Handwashing with soap: A concern for overuse of water amidst the COVID-19 pandemic in Bangladesh. *Groundwater for Sustainable Development*, **2021**, 13, 100561	6	12
2	Iodine in commercial edible iodized salts and assessment of iodine exposure in Sri Lanka. *Archives of Public Health*, **2016**, 74, 21	2.6	5
1	Global Arsenic dilemma and sustainability. *Journal of Hazardous Materials*, **2022**, 129197	12.8	1