Kumuduni Niroshika Palansooriya

List of Publications by Year
in descending order

18 papers	2,823 citations	623574 14 h-index	887953 17 g-index
18 all docs	18 docs citations	18 times ranked	2589 citing authors

#	Article	IF	Citations
1	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. Environment International, 2020, 134, 105046.	4.8	701
2	Response of microbial communities to biochar-amended soils: a critical review. Biochar, 2019, 1, 3-22.	6.2	419
3	Particulate plastics as a vector for toxic trace-element uptake by aquatic and terrestrial organisms and human health risk. Environment International, 2019, 131, 104937.	4.8	337
4	How biochar works, and when it doesn't: A review of mechanisms controlling soil and plant responses to biochar. GCB Bioenergy, 2021, 13, 1731-1764.	2.5	286
5	Biochar and its importance on nutrient dynamics in soil and plant. Biochar, 2020, 2, 379-420.	6.2	266
6	Impacts of biochar application on upland agriculture: A review. Journal of Environmental Management, 2019, 234, 52-64.	3.8	184
7	Occurrence of contaminants in drinking water sources and the potential of biochar for water quality improvement: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 549-611.	6.6	143
8	Prediction of Soil Heavy Metal Immobilization by Biochar Using Machine Learning. Environmental Science & Technology, 2022, 56, 4187-4198.	4.6	138
9	Fe(III) loaded chitosan-biochar composite fibers for the removal of phosphate from water. Journal of Hazardous Materials, 2021, 415, 125464.	6.5	88
10	Bioaccumulation of potentially toxic elements by submerged plants and biofilms: A critical review. Environment International, 2019, 131, 105015.	4.8	65
11	Natural and engineered clays and clay minerals for the removal of poly- and perfluoroalkyl substances from water: State-of-the-art and future perspectives. Advances in Colloid and Interface Science, 2021, 297, 102537.	7.0	51
12	Microbe mediated immobilization of arsenic in the rice rhizosphere after incorporation of silica impregnated biochar composites. Journal of Hazardous Materials, 2020, 398, 123096.	6.5	46
13	Biochar alters chemical and microbial properties of microplastic-contaminated soil. Environmental Research, 2022, 209, 112807.	3.7	43
14	Carbonaceous inserts from lignocellulosic and non-lignocellulosic sources in cement mortar: Preparation conditions and its effect on hydration kinetics and physical properties. Construction and Building Materials, 2020, 264, 120214.	3.2	29
15	Effect of LDPE microplastics on chemical properties and microbial communities in soil. Soil Use and Management, 2022, 38, 1481-1492.	2.6	15
16	Special issue on biochar technologies, production, and environmental applications in Critical Reviews in Environmental Science & Technology during 2017â€“2021. Critical Reviews in Environmental Science and Technology, 2022, 52, 3375-3383.	6.6	7
17	Translocation of Endosulfan from Soil to Ginseng (Panax ginseng C. A. Meyer). Agriculture (Switzerland), 2018, 8, 52.	1.4	4
18	Engineered biochar as a potential adsorbent for carbon dioxide capture. , 2022, , 345-359.		1