

Meththika Vithanage

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

17,804
citations

20036

63
h-index

18400

124
g-index

253
all docs

253
docs citations

253
times ranked

14629
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar as a sorbent for contaminant management in soil and water: A review. <i>Chemosphere</i> , 2014, 99, 19-33.	4.2	3,175
2	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , 2016, 148, 276-291.	4.2	959
3	Biochar based removal of antibiotic sulfonamides and tetracyclines in aquatic environments: A critical review. <i>Bioresource Technology</i> , 2017, 246, 150-159.	4.8	440
4	Antimony as a global dilemma: Geochemistry, mobility, fate and transport. <i>Environmental Pollution</i> , 2017, 223, 545-559.	3.7	331
5	Applications of biochar in redox-mediated reactions. <i>Bioresource Technology</i> , 2017, 246, 271-281.	4.8	322
6	Trichloroethylene adsorption by pine needle biochars produced at various pyrolysis temperatures. <i>Bioresource Technology</i> , 2013, 143, 615-622.	4.8	319
7	Enhanced sulfamethazine removal by steam-activated invasive plant-derived biochar. <i>Journal of Hazardous Materials</i> , 2015, 290, 43-50.	6.5	299
8	Interaction of arsenic with biochar in soil and water: A critical review. <i>Carbon</i> , 2017, 113, 219-230.	5.4	292
9	A critical prospective analysis of the potential toxicity of trace element regulation limits in soils worldwide: Are they protective concerning health risk assessment? - A review. <i>Environment International</i> , 2019, 127, 819-847.	4.8	280
10	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. <i>Bioresource Technology</i> , 2014, 166, 303-308.	4.8	279
11	Interactions between microplastics, pharmaceuticals and personal care products: Implications for vector transport. <i>Environment International</i> , 2021, 149, 106367.	4.8	276
12	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019, 372, 536-550.	6.6	264
13	Weathering of microplastics and interaction with other coexisting constituents in terrestrial and aquatic environments. <i>Water Research</i> , 2021, 196, 117011.	5.3	253
14	Multifunctional applications of biochar beyond carbon storage. <i>International Materials Reviews</i> , 2022, 67, 150-200.	9.4	245
15	Biochar production from date palm waste: Charring temperature induced changes in composition and surface chemistry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 392-400.	2.6	230
16	Fluoride in the environment: sources, distribution and defluoridation. <i>Environmental Chemistry Letters</i> , 2015, 13, 131-147.	8.3	228
17	Advances and future directions of biochar characterization methods and applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2275-2330.	6.6	194
18	Natural Arsenic in Global Groundwaters: Distribution and Geochemical Triggers for Mobilization. <i>Current Pollution Reports</i> , 2016, 2, 68-89.	3.1	177

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19	Kinetics, thermodynamics and mechanistic studies of carbofuran removal using biochars from tea waste and rice husks. <i>Chemosphere</i> , 2016, 150, 781-789.	4.2	169
20	Clay-biochar composites for sorptive removal of tetracycline antibiotic in aqueous media. <i>Journal of Environmental Management</i> , 2019, 238, 315-322.	3.8	164
21	Equilibrium and kinetic mechanisms of woody biochar on aqueous glyphosate removal. <i>Chemosphere</i> , 2016, 144, 2516-2521.	4.2	158
22	Arsenic uptake by plants and possible phytoremediation applications: a brief overview. <i>Environmental Chemistry Letters</i> , 2012, 10, 217-224.	8.3	156
23	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021, 420, 126534.	6.5	150
24	Heavy metal-induced oxidative stress on seed germination and seedling development: a critical review. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1813-1831.	1.8	149
25	Sorption and transport of sulfamethazine in agricultural soils amended with invasive-plant-derived biochar. <i>Journal of Environmental Management</i> , 2014, 141, 95-103.	3.8	145
26	Immobilization and phytotoxicity reduction of heavy metals in serpentine soil using biochar. <i>Journal of Soils and Sediments</i> , 2015, 15, 126-138.	1.5	140
27	Progress and prospects in mitigation of landfill leachate pollution: Risk, pollution potential, treatment and challenges. <i>Journal of Hazardous Materials</i> , 2022, 421, 126627.	6.5	138
28	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121125.	6.5	132
29	Pharmaceutical and Personal Care Products (PPCPs) in the environment: Plant uptake, translocation, bioaccumulation, and human health risks. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1221-1258.	6.6	127
30	Mechanistic modeling of glyphosate interaction with rice husk derived engineered biochar. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 280-288.	2.2	125
31	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2022, 158, 106908.	4.8	125
32	Adsorptive interaction of antibiotic ciprofloxacin on polyethylene microplastics: Implications for vector transport in water. <i>Environmental Technology and Innovation</i> , 2020, 19, 100971.	3.0	118
33	Sorption process of municipal solid waste biochar-montmorillonite composite for ciprofloxacin removal in aqueous media. <i>Chemosphere</i> , 2019, 236, 124384.	4.2	117
34	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil. <i>Chemosphere</i> , 2014, 111, 500-504.	4.2	116
35	Perchlorate as an emerging contaminant in soil, water and food. <i>Chemosphere</i> , 2016, 150, 667-677.	4.2	114
36	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. <i>Bioresource Technology</i> , 2019, 293, 122064.	4.8	111

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37	Surface complexation modeling and spectroscopic evidence of antimony adsorption on iron-oxide-rich red earth soils. <i>Journal of Colloid and Interface Science</i> , 2013, 406, 217-224.	5.0	110
38	Acid-activated biochar increased sulfamethazine retention in soils. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2175-2186.	2.7	107
39	A critical review on biochar-based engineered hierarchical porous carbon for capacitive charge storage. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111029.	8.2	105
40	Modification of biochar properties using CO ₂ . <i>Chemical Engineering Journal</i> , 2019, 372, 383-389.	6.6	101
41	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. <i>Environment International</i> , 2019, 127, 52-69.	4.8	101
42	Performance of metal-organic frameworks for the adsorptive removal of potentially toxic elements in a water system: a critical review. <i>RSC Advances</i> , 2019, 9, 34359-34376.	1.7	101
43	Mechanistic understanding of crystal violet dye sorption by woody biochar: implications for wastewater treatment. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1647-1661.	1.8	101
44	The role of biochar, natural iron oxides, and nanomaterials as soil amendments for immobilizing metals in shooting range soil. <i>Environmental Geochemistry and Health</i> , 2015, 37, 931-942.	1.8	97
45	Municipal solid waste biochar-bentonite composite for the removal of antibiotic ciprofloxacin from aqueous media. <i>Journal of Environmental Management</i> , 2019, 236, 428-435.	3.8	93
46	Mechanisms of antimony adsorption onto soybean stover-derived biochar in aqueous solutions. <i>Journal of Environmental Management</i> , 2015, 151, 443-449.	3.8	92
47	Medical geology in the framework of the sustainable development goals. <i>Science of the Total Environment</i> , 2017, 581-582, 87-104.	3.9	90
48	Production and use of biochar from buffalo weed (<i>Ambrosia trifida</i> L.) for trichloroethylene removal from water. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 150-157.	1.6	89
49	The influence of three acid modifications on the physicochemical characteristics of tea-waste biochar pyrolyzed at different temperatures: a comparative study. <i>RSC Advances</i> , 2019, 9, 17612-17622.	1.7	87
50	Cr(VI) Formation Related to Cr(III)-Muscovite and Birnessite Interactions in Ultramafic Environments. <i>Environmental Science & Technology</i> , 2013, 47, 9722-9729.	4.6	86
51	Contrasting effects of engineered carbon nanotubes on plants: a review. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1421-1439.	1.8	85
52	Potential application of selected metal resistant phosphate solubilizing bacteria isolated from the gut of earthworm (<i>Metaphire posthuma</i>) in plant growth promotion. <i>Geoderma</i> , 2018, 330, 117-124.	2.3	82
53	Biochar from municipal solid waste for resource recovery and pollution remediation. <i>Environmental Chemistry Letters</i> , 2019, 17, 1225-1235.	8.3	81
54	Role of woody biochar and fungal-bacterial co-inoculation on enzyme activity and metal immobilization in serpentine soil. <i>Journal of Soils and Sediments</i> , 2017, 17, 665-673.	1.5	80

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55	Biochar, a potential hydroponic growth substrate, enhances the nutritional status and growth of leafy vegetables. <i>Journal of Cleaner Production</i> , 2017, 156, 581-588.	4.6	79
56	Green synthesis of graphitic nanobiochar for the removal of emerging contaminants in aqueous media. <i>Science of the Total Environment</i> , 2020, 706, 135725.	3.9	76
57	Nickel and manganese release in serpentine soil from the Ussangoda Ultramafic Complex, Sri Lanka. <i>Geoderma</i> , 2012, 189-190, 1-9.	2.3	74
58	Engineered tea-waste biochar for the removal of caffeine, a model compound in pharmaceuticals and personal care products (PPCPs), from aqueous media. <i>Environmental Technology and Innovation</i> , 2020, 19, 100847.	3.0	74
59	Distribution, behaviour, bioavailability and remediation of poly- and per-fluoroalkyl substances (PFAS) in solid biowastes and biowaste-treated soil. <i>Environment International</i> , 2021, 155, 106600.	4.8	74
60	Phytotoxicity attenuation in <i>Vigna radiata</i> under heavy metal stress at the presence of biochar and N fixing bacteria. <i>Journal of Environmental Management</i> , 2017, 186, 293-300.	3.8	73
61	Soil lead immobilization by biochars in short-term laboratory incubation studies. <i>Environment International</i> , 2019, 127, 190-198.	4.8	70
62	Mechanistic modeling of arsenic retention on natural red earth in simulated environmental systems. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 265-272.	5.0	69
63	Mechanistic interaction of ciprofloxacin on zeolite modified seaweed (<i>Sargassum crassifolium</i>) derived biochar: Kinetics, isotherm and thermodynamics. <i>Chemosphere</i> , 2021, 281, 130676.	4.2	69
64	A systematic review on adsorptive removal of hexavalent chromium from aqueous solutions: Recent advances. <i>Science of the Total Environment</i> , 2022, 809, 152055.	3.9	69
65	Metal release from serpentine soils in Sri Lanka. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3415-3429.	1.3	67
66	Nanobiochar: production, properties, and multifunctional applications. <i>Environmental Science: Nano</i> , 2020, 7, 3279-3302.	2.2	64
67	Sorption Process of Date Palm Biochar for Aqueous Cd (II) Removal: Efficiency and Mechanisms. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	63
68	Efficacy of woody biomass and biochar for alleviating heavy metal bioavailability in serpentine soil. <i>Environmental Geochemistry and Health</i> , 2017, 39, 391-401.	1.8	63
69	South Asian perspective on temperature and rainfall extremes: A review. <i>Atmospheric Research</i> , 2019, 225, 110-120.	1.8	63
70	Treatment processes to eliminate potential environmental hazards and restore agronomic value of sewage sludge: A review. <i>Environmental Pollution</i> , 2022, 293, 118564.	3.7	63
71	Toxicity of synthetic chelators and metal availability in poultry manure amended Cd, Pb and As contaminated agricultural soil. <i>Journal of Hazardous Materials</i> , 2013, 262, 1022-1030.	6.5	62
72	Trace element dynamics of biosolids-derived microbeads. <i>Chemosphere</i> , 2018, 199, 331-339.	4.2	61

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73	Halloysite nanoclay supported adsorptive removal of oxytetracycline antibiotic from aqueous media. <i>Journal of Hazardous Materials</i> , 2020, 384, 121301.	6.5	60
74	Adsorption of Cd ²⁺ and Pb ²⁺ onto coconut shell biochar and biochar-mixed soil. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	59
75	Anammox bacteria in treating ammonium rich wastewater: Recent perspective and appraisal. <i>Bioresource Technology</i> , 2021, 334, 125240.	4.8	59
76	From mine to mind and mobiles – Lithium contamination and its risk management. <i>Environmental Pollution</i> , 2021, 290, 118067.	3.7	58
77	Hydrometallurgical processes for heavy metals recovery from industrial sludges. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1022-1062.	6.6	57
78	Plant growth promotion by <i>Bradyrhizobium japonicum</i> under heavy metal stress. <i>South African Journal of Botany</i> , 2016, 105, 19-24.	1.2	56
79	Application of graphene for decontamination of water; Implications for sorptive removal. <i>Groundwater for Sustainable Development</i> , 2017, 5, 206-215.	2.3	56
80	Health risk assessment of heavy metals in atmospheric deposition in a congested city environment in a developing country: Kandy City, Sri Lanka. <i>Journal of Environmental Management</i> , 2018, 220, 198-206.	3.8	56
81	Role of chelating agents on release kinetics of metals and their uptake by maize from chromated copper arsenate-contaminated soil. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 747-755.	1.2	55
82	Effects of carbon nanotube and biochar on bioavailability of Pb, Cu and Sb in multi-metal contaminated soil. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1409-1420.	1.8	53
83	A review on design, material selection, mechanism, and modelling of permeable reactive barrier for community-scale groundwater treatment. <i>Environmental Technology and Innovation</i> , 2020, 19, 100917.	3.0	53
84	Fate and transport of pollutants through a municipal solid waste landfill leachate in Sri Lanka. <i>Environmental Earth Sciences</i> , 2014, 72, 1707.	1.3	51
85	Steam activation of biochars facilitates kinetics and pH-resilience of sulfamethazine sorption. <i>Journal of Soils and Sediments</i> , 2016, 16, 889-895.	1.5	51
86	Microorganisms and heavy metals associated with atmospheric deposition in a congested urban environment of a developing country: Sri Lanka. <i>Science of the Total Environment</i> , 2017, 584-585, 803-812.	3.9	50
87	Sorptive removal of toluene and m-xylene by municipal solid waste biochar: Simultaneous municipal solid waste management and remediation of volatile organic compounds. <i>Journal of Environmental Management</i> , 2019, 238, 323-330.	3.8	50
88	Biochar production with amelioration of microwave-assisted pyrolysis: Current scenario, drawbacks and perspectives. <i>Bioresource Technology</i> , 2022, 355, 127303.	4.8	50
89	Frontier review on the propensity and repercussion of SARS-CoV-2 migration to aquatic environment. <i>Journal of Hazardous Materials Letters</i> , 2020, 1, 100001.	2.0	49
90	Impact of agrochemicals on soil health. , 2020, , 161-187.		49

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91	Caffeine removal by <i>Gliricidia septium</i> biochar: Influence of pyrolysis temperature and physicochemical properties. <i>Environmental Research</i> , 2020, 189, 109865.	3.7	48
92	Distribution, transformation and remediation of poly- and per-fluoroalkyl substances (PFAS) in wastewater sources. <i>Chemical Engineering Research and Design</i> , 2022, 164, 91-108.	2.7	48
93	Implications of layered double hydroxides assembled biochar composite in adsorptive removal of contaminants: Current status and future perspectives. <i>Science of the Total Environment</i> , 2020, 737, 139718.	3.9	47
94	Adsorptive removal of fluoride using biochar – A potential application in drinking water treatment. <i>Separation and Purification Technology</i> , 2021, 278, 119106.	3.9	47
95	Microbe mediated immobilization of arsenic in the rice rhizosphere after incorporation of silica impregnated biochar composites. <i>Journal of Hazardous Materials</i> , 2020, 398, 123096.	6.5	46
96	Mitigation of petroleum-hydrocarbon-contaminated hazardous soils using organic amendments: A review. <i>Journal of Hazardous Materials</i> , 2021, 416, 125702.	6.5	46
97	Insights into aqueous carbofuran removal by modified and non-modified rice husk biochars. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22755-22763.	2.7	45
98	Thiolated arsenic in natural systems: What is current, what is new and what needs to be known. <i>Environment International</i> , 2018, 115, 370-386.	4.8	45
99	Efficacy of agricultural waste derived biochar for arsenic removal: Tackling water quality in the Indo-Gangetic plain. <i>Journal of Environmental Management</i> , 2021, 281, 111814.	3.8	45
100	Potential of biochar and organic amendments for reclamation of coastal acidic-salt affected soil. <i>Biochar</i> , 2020, 2, 107-120.	6.2	44
101	Carbon-based adsorbents for fluoroquinolone removal from water and wastewater: A critical review. <i>Environmental Research</i> , 2021, 197, 111091.	3.7	44
102	Occurrence and cycling of trace elements in ultramafic soils and their impacts on human health: A critical review. <i>Environment International</i> , 2019, 131, 104974.	4.8	43
103	Biofilm formation and its implications on the properties and fate of microplastics in aquatic environments: A review. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100077.	1.2	43
104	Inhibitory Effect of Veterinary Antibiotics on Denitrification in Groundwater: A Microcosm Approach. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	42
105	The impact of biosolids application on organic carbon and carbon dioxide fluxes in soil. <i>Chemosphere</i> , 2017, 189, 565-573.	4.2	41
106	Lead time of early warning by wastewater surveillance for COVID-19: Geographical variations and impacting factors. <i>Chemical Engineering Journal</i> , 2022, 441, 135936.	6.6	40
107	Interface interactions between insecticide carbofuran and tea waste biochars produced at different pyrolysis temperatures. <i>Chemical Speciation and Bioavailability</i> , 2016, 28, 110-118.	2.0	39
108	Drought in South Asia: A Review of Drought Assessment and Prediction in South Asian Countries. <i>Atmosphere</i> , 2021, 12, 369.	1.0	39

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109	Computational and experimental assessment of pH and specific ions on the solute solvent interactions of clay-biochar composites towards tetracycline adsorption: Implications on wastewater treatment. <i>Journal of Environmental Management</i> , 2021, 283, 111989.	3.8	39
110	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. <i>Environmental Pollution</i> , 2021, 288, 117676.	3.7	39
111	Modeling sorption of fluoride on to iron rich laterite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 398, 69-75.	2.3	38
112	Bioenergy-derived waste biochar for reducing mobility, bioavailability, and phytotoxicity of chromium in anthropized tannery soil. <i>Journal of Soils and Sediments</i> , 2017, 17, 731-740.	1.5	38
113	Ageing Effects of Organic and Inorganic Fertilizers on Phosphorus Fractionation in a Calcareous Sandy Loam Soil. <i>Pedosphere</i> , 2018, 28, 873-883.	2.1	38
114	Floating duckweed mitigated ammonia volatilization and increased grain yield and nitrogen use efficiency of rice in biochar amended paddy soils. <i>Chemosphere</i> , 2019, 237, 124532.	4.2	38
115	Municipal solid waste-derived biochar for the removal of benzene from landfill leachate. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1739-1753.	1.8	38
116	Exploration of an Extracellular Polymeric Substance from Earthworm Gut Bacterium (<i>Bacillus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 (Switzerland), 2020, 10, 349.	1.3	38
117	Co-hydrothermal carbonization of swine and chicken manure: Influence of cross-interaction on hydrochar and liquid characteristics. <i>Science of the Total Environment</i> , 2021, 786, 147381.	3.9	38
118	Hydrometallurgical Recovery of Metals From E-waste. , 2019, , 225-246.		37
119	Alloying effect on superconductivity in amorphous lanthanum-based alloys. <i>Physical Review B</i> , 1979, 19, 193-198.	1.1	36
120	Compost as a carrier for microplastics and plastic-bound toxic metals into agroecosystems. <i>Current Opinion in Environmental Science and Health</i> , 2021, 24, 100297.	2.1	36
121	Deposition of trace metals associated with atmospheric particulate matter: Environmental fate and health risk assessment. <i>Chemosphere</i> , 2022, 303, 135051.	4.2	35
122	Utilization of Biowaste for Mine Spoil Rehabilitation. <i>Advances in Agronomy</i> , 2016, 138, 97-173.	2.4	34
123	Biochar based sorptive remediation of steroidal estrogen contaminated aqueous systems: A critical review. <i>Environmental Research</i> , 2020, 191, 110183.	3.7	34
124	Natural Red Earth as a low cost material for arsenic removal: Kinetics and the effect of competing ions. <i>Applied Geochemistry</i> , 2011, 26, 648-654.	1.4	33
125	Five Decadal Trends in Averages and Extremes of Rainfall and Temperature in Sri Lanka. <i>Advances in Meteorology</i> , 2018, 2018, 1-13.	0.6	32
126	Arsenic binding mechanisms on natural red earth: A potential substrate for pollution control. <i>Science of the Total Environment</i> , 2007, 379, 244-248.	3.9	31

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127	Natural and synthesised iron-rich amendments for As and Pb immobilisation in agricultural soil. <i>Chemistry and Ecology</i> , 2014, 30, 267-279.	0.6	30
128	Water Resources Management: Innovation and Challenges in a Changing World. <i>Water (Switzerland)</i> , 2017, 9, 281.	1.2	30
129	Amino-functionalized biochars for the detoxification and removal of hexavalent chromium in aqueous media. <i>Environmental Research</i> , 2022, 211, 113073.	3.7	30
130	Laboratory investigations of the effects of geologic heterogeneity on groundwater salinization and flush-out times from a tsunami-like event. <i>Journal of Contaminant Hydrology</i> , 2012, 136-137, 10-24.	1.6	29
131	Application of Geospatial Techniques for Groundwater Quality and Availability Assessment: A Case Study in Jaffna Peninsula, Sri Lanka. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 20.	1.4	29
132	Indoor Particulate Matter in Urban Households: Sources, Pathways, Characteristics, Health Effects, and Exposure Mitigation. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11055.	1.2	29
133	Surface complexation of fluoride at the activated nano-gibbsite water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 124-130.	2.3	28
134	Generating alternative fuel and bioplastics from medical plastic waste and waste frying oil using microwave co-pyrolysis combined with microbial fermentation. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111790.	8.2	28
135	Developed fungal bacterial biofilms as a novel tool for bioremoval of hexavalent chromium from wastewater. <i>Chemistry and Ecology</i> , 2014, 30, 418-427.	0.6	27
136	Exploring potential applications of a novel extracellular polymeric substance synthesizing bacterium (<i>Bacillus licheniformis</i>) isolated from gut contents of earthworm (<i>Metaphire posthuma</i>) in environmental remediation. <i>Biodegradation</i> , 2018, 29, 323-337.	1.5	27
137	Functionalizing non-smectic clay via methoxy-modification for enhanced removal and recovery of oxytetracycline from aqueous media. <i>Chemosphere</i> , 2021, 276, 130079.	4.2	27
138	Macro, colloidal and nanobiochar for oxytetracycline removal in synthetic hydrolyzed human urine. <i>Environmental Pollution</i> , 2020, 267, 115683.	3.7	26
139	Anammox, biochar column and subsurface constructed wetland as an integrated system for treating municipal solid waste derived landfill leachate from an open dumpsite. <i>Environmental Research</i> , 2020, 189, 109880.	3.7	26
140	Unprecedented marine microplastic contamination from the X-Press Pearl container vessel disaster. <i>Science of the Total Environment</i> , 2022, 828, 154374.	3.9	26
141	Influence of bioenergy waste biochar on proton- and ligand-promoted release of Pb and Cu in a shooting range soil. <i>Science of the Total Environment</i> , 2018, 625, 547-554.	3.9	25
142	Risk factors for endemic chronic kidney disease of unknown etiology in Sri Lanka: Retrospect of water security in the dry zone. <i>Science of the Total Environment</i> , 2021, 795, 148839.	3.9	25
143	Transgenic Plants. , 2019, , 89-102.		24
144	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1777-1791.	1.8	24

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145	Surface complexation of nickel on iron and aluminum oxides: A comparative study with single and dual site clays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 405, 79-87.	2.3	23
146	Soil Enzyme Activities in Waste Biochar Amended Multi-Metal Contaminated Soil; Effect of Different Pyrolysis Temperatures and Application Rates. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 635-643.	0.6	23
147	Effect of well cleaning and pumping on groundwater quality of a tsunami-affected coastal aquifer in eastern Sri Lanka. <i>Water Resources Research</i> , 2009, 45, .	1.7	22
148	Making Waves Perspectives of Modelling and Monitoring of SARS-CoV-2 in Aquatic Environment for COVID-19 Pandemic. <i>Current Pollution Reports</i> , 2020, 6, 468-479.	3.1	22
149	Characterizing Time-Dependent Contact Angles for Sands Hydrophobized with Oleic and Stearic Acids. <i>Vadose Zone Journal</i> , 2012, 11, .	1.3	22
150	A preliminary study of the role of bacterial-fungal co-inoculation on heavy metal phytotoxicity in serpentine soil. <i>Australian Journal of Botany</i> , 2015, 63, 261.	0.3	21
151	Phytoremediation in Constructed Wetlands. , 2015, , 243-263.		21
152	Effects of soil type and fertilizer on As speciation in rice paddy contaminated with As-containing pesticide. <i>Environmental Earth Sciences</i> , 2014, 71, 837-847.	1.3	20
153	Organic-coated nanoparticulate zero valent iron for remediation of chemical oxygen demand (COD) and dissolved metals from tropical landfill leachate. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7075-7087.	2.7	20
154	Insights into Starch Coated Nanozero Valent Iron-Graphene Composite for Cr(VI) Removal from Aqueous Medium. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	1.5	20
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