Anushka Upamali Rajapaksha

List of Publications by Year
in descending order

58 papers	8,457 citations	117453 34 h-index	149479 56 g-index
59 all docs	59 docs citations	59 times ranked	7408 citing authors

#	Article	IF	Citations
1	Biochar as a sorbent for contaminant management in soil and water: A review. Chemosphere, 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. Chemosphere, 2016, 148, 276-291.	4.2	959
3	Trichloroethylene adsorption by pine needle biochars produced at various pyrolysis temperatures. Bioresource Technology, 2013, 143, 615-622.	4.8	319
4	Enhanced sulfamethazine removal by steam-activated invasive plant-derived biochar. Journal of Hazardous Materials, 2015, 290, 43-50.	6.5	299
5	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. Bioresource Technology, 2014, 166, 303-308.	4.8	279
6	Biochar-based engineered composites for sorptive decontamination of water: A review. Chemical Engineering Journal, 2019, 372, 536-550.	6.6	264
7	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. Science of the Total Environment, 2018, 625, 1567-1573.	3.9	190
8	Lead and copper immobilization in a shooting range soil using soybean stover- and pine needle-derived biochars: Chemical, microbial and spectroscopic assessments. Journal of Hazardous Materials, 2016, 301, 179-186.	6.5	178
9	Clay-biochar composites for sorptive removal of tetracycline antibiotic in aqueous media. Journal of Environmental Management, 2019, 238, 315-322.	3.8	164
10	Distribution and Accumulative Pattern of Tetracyclines and Sulfonamides in Edible Vegetables of Cucumber, Tomato, and Lettuce. Journal of Agricultural and Food Chemistry, 2015, 63, 398-405.	2.4	149
11	Sorption and transport of sulfamethazine in agricultural soils amended with invasive-plant-derived biochar. Journal of Environmental Management, 2014, 141, 95-103.	3.8	145
12	Biochar increased water holding capacity but accelerated organic carbon leaching from a sloping farmland soil in China. Environmental Science and Pollution Research, 2016, 23, 995-1006.	2.7	129
13	Sorption process of municipal solid waste biochar-montmorillonite composite for ciprofloxacin removal in aqueous media. Chemosphere, 2019, 236, 124384.	4.2	117
14	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil. Chemosphere, 2014, 111, 500-504.	4.2	116
15	Adsorption of ammonium in aqueous solutions by pine sawdust and wheat straw biochars. Environmental Science and Pollution Research, 2018, 25, 25638-25647.	2.7	115
16	Surface complexation modeling and spectroscopic evidence of antimony adsorption on iron-oxide-rich red earth soils. Journal of Colloid and Interface Science, 2013, 406, 217-224.	5.0	110
17	Acid-activated biochar increased sulfamethazine retention in soils. Environmental Science and Pollution Research, 2015, 22, 2175-2186.	2.7	107
18	Dissolved organic matter characterization of biochars produced from different feedstock materials. Journal of Environmental Management, 2019, 233, 393-399.	3.8	104

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19	The role of biochar, natural iron oxides, and nanomaterials as soil amendments for immobilizing metals in shooting range soil. Environmental Geochemistry and Health, 2015, 37, 931-942.	1.8	97
20	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. Environmental Pollution, 2022, 293, 118581.	3.7	94
21	Municipal solid waste biochar-bentonite composite for the removal of antibiotic ciprofloxacin from aqueous media. Journal of Environmental Management, 2019, 236, 428-435.	3.8	93
22	Mechanisms of antimony adsorption onto soybean stover-derived biochar in aqueous solutions. Journal of Environmental Management, 2015, 151, 443-449.	3.8	92
23	Cr(VI) Formation Related to Cr(III)-Muscovite and Birnessite Interactions in Ultramafic Environments. Environmental Science & Technology, 2013, 47, 9722-9729.	4.6	86
24	Pyrolysis temperature and steam activation effects on sorption of phosphate on pine sawdust biochars in aqueous solutions. Chemical Speciation and Bioavailability, 2016, 28, 42-50.	2.0	83
25	Nickel and manganese release in serpentine soil from the Ussangoda Ultramafic Complex, Sri Lanka. Geoderma, 2012, 189-190, 1-9.	2.3	74
26	A systematic review on adsorptive removal of hexavalent chromium from aqueous solutions: Recent advances. Science of the Total Environment, 2022, 809, 152055.	3.9	69
27	Biochars as Potential Adsorbers of CH4, CO2 and H2S. Sustainability, 2017, 9, 121.	1.6	68
28	Metal release from serpentine soils in Sri Lanka. Environmental Monitoring and Assessment, 2014, 186, 3415-3429.	1.3	67
29	Hydrometallurgical processes for heavy metals recovery from industrial sludges. Critical Reviews in Environmental Science and Technology, 2022, 52, 1022-1062.	6.6	57
30	Recent technologies for nutrient removal and recovery from wastewaters: A review. Chemosphere, 2021, 277, 130328.	4.2	56
31	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.	1.8	53
32	Steam activation of biochars facilitates kinetics and pH-resilience of sulfamethazine sorption. Journal of Soils and Sediments, 2016, 16, 889-895.	1.5	51
33	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. Environmental Pollution, 2021, 288, 117676.	3.7	39
34	Modeling sorption of fluoride on to iron rich laterite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 398, 69-75.	2.3	38
35	Phosphorus sorption capacity of biochars varies with biochar type and salinity level. Environmental Science and Pollution Research, 2018, 25, 25799-25812.	2.7	35
36	Natural Red Earth as a low cost material for arsenic removal: Kinetics and the effect of competing ions. Applied Geochemistry, 2011, 26, 648-654.	1.4	33

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37	Natural and synthesised iron-rich amendments for As and Pb immobilisation in agricultural soil. Chemistry and Ecology, 2014, 30, 267-279.	0.6	30
38	Amino-functionalized biochars for the detoxification and removal of hexavalent chromium in aqueous media. Environmental Research, 2022, 211, 113073.	3.7	30
39	Surface complexation of fluoride at the activated nano-gibbsite water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 124-130.	2.3	28
40	Developed fungalâ€“bacterial biofilms as a novel tool for bioremoval of hexavelant chromium from wastewater. Chemistry and Ecology, 2014, 30, 418-427.	0.6	27
41	Risk factors for endemic chronic kidney disease of unknown etiology in Sri Lanka: Retrospect of water security in the dry zone. Science of the Total Environment, 2021, 795, 148839.	3.9	25
42	Sorption of copper(II) from synthetic oil sands process-affected water (OSPW) by pine sawdust biochars: effects of pyrolysis temperature and steam activation. Journal of Soils and Sediments, 2016, 16, 2081-2089.	1.5	24
43	Surface complexation of nickel on iron and aluminum oxides: A comparative study with single and dual site clays. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 79-87.	2.3	23
44	Effects of soil type and fertilizer on As speciation in rice paddy contaminated with As-containing pesticide. Environmental Earth Sciences, 2014, 71, 837-847.	1.3	20
45	Colloidal biochar for enhanced adsorption of antibiotic ciprofloxacin in aqueous and synthetic hydrolyzed human urine matrices. Chemosphere, 2022, 297, 133984.	4.2	20
46	Phytoremediation prospects of per- and polyfluoroalkyl substances: A review. Environmental Research, 2022, 212, 113311.	3.7	20
47	Phytoremediation of fluoride from the environmental matrices: A review on its application strategies. Groundwater for Sustainable Development, 2020, 10, 100349.	2.3	19
48	Sorptive removal of pharmaceutical and personal care products from water and wastewater. , 2019, , 213-238.		18
49	Heavy metal dissolution mechanisms from electrical industrial sludge. Science of the Total Environment, 2019, 696, 133922.	3.9	16
50	Characterization of Aqueous Pb(II) and Cd(II) Biosorption on Native and Chemically ModifiedAlstonia macrophyllaSaw Dust. Bioremediation Journal, 2012, 16, 113-124.	1.0	11
51	Adsorptive Removal of Trichloroethylene in Water by Crop Residue Biochars Pyrolyzed at Contrasting Temperatures: Continuous Fixed-Bed Experiments. Journal of Chemistry, 2015, 2015, 1-6.	0.9	11
52	Municipal Waste Biochar for Energy and Pollution Remediation. Environmental Chemistry for A Sustainable World, 2018, , 227-252.	0.3	8
53	Monitoring of Selected Veterinary Antibiotics in Animal Carcass Disposal Site and Adjacent Agricultural Soil. Journal of Applied Biological Chemistry, 2014, 57, 189-196.	0.2	7
54	Biochar for Waste Management and Environmental Sustainability. , 2016, , 273-291.		5

#	Article	IF	Citations
55	Potential of Biochar to Immobilize Nickel in Contaminated Soils. , 2018, , 293-318.		3
56	Animal carcass burial management: implications for sustainable biochar use. Applied Biological Chemistry, 2021, 64, 91.	0.7	3
57	Efficacy of rapeseed residue and eggshell waste on enzyme activity and soil quality in rice paddy. Chemistry and Ecology, 2013, 29, 501-510.	0.6	2
58	Medical geology of endemic goiter in Kalutara, Sri Lanka; distribution and possible causes. Environmental Geochemistry and Health, 2017, 39, 1501-1511.	1.8	2