

Anushka Upamali Rajapaksha

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

8,457
citations

134610

34
h-index

169272

56
g-index

59
all docs

59
docs citations

59
times ranked

8293
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	Trichloroethylene adsorption by pine needle biochars produced at various pyrolysis temperatures. <i>Bioresource Technology</i> , 2013, 143, 615-622.	4.8	319
4	Enhanced sulfamethazine removal by steam-activated invasive plant-derived biochar. <i>Journal of Hazardous Materials</i> , 2015, 290, 43-50.	6.5	299
5	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. <i>Bioresource Technology</i> , 2014, 166, 303-308.	4.8	279
6	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019, 372, 536-550.	6.6	264
7	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. <i>Science of the Total Environment</i> , 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. <i>Journal of Hazardous Materials</i> , 2016, 301, 179-186.	6.5	178
9	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
10	Distribution and Accumulative Pattern of Tetracyclines and Sulfonamides in Edible Vegetables of Cucumber, Tomato, and Lettuce. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 398-405.	2.4	149
11	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
12	Biochar increased water holding capacity but accelerated organic carbon leaching from a sloping farmland soil in China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 995-1006.	2.7	129
13	Sorption process of municipal solid waste biochar-montmorillonite composite for ciprofloxacin removal in aqueous media. <i>Chemosphere</i> , 2019, 236, 124384.	4.2	117
14	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil. <i>Chemosphere</i> , 2014, 111, 500-504.	4.2	116
15	Adsorption of ammonium in aqueous solutions by pine sawdust and wheat straw biochars. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25638-25647.	2.7	115
16	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
17	Acid-activated biochar increased sulfamethazine retention in soils. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2175-2186.	2.7	107
18	Dissolved organic matter characterization of biochars produced from different feedstock materials. <i>Journal of Environmental Management</i> , 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. <i>Environmental Geochemistry and Health</i> , 2015, 37, 931-942.	1.8	97
20	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. <i>Environmental Pollution</i> , 2022, 293, 118581.	3.7	94
21	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
22	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
23	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
24	Pyrolysis temperature and steam activation effects on sorption of phosphate on pine sawdust biochars in aqueous solutions. <i>Chemical Speciation and Bioavailability</i> , 2016, 28, 42-50.	2.0	83
25	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
26	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
27	Biochars as Potential Adsorbers of CH ₄ , CO ₂ and H ₂ S. <i>Sustainability</i> , 2017, 9, 121.	1.6	68
28	Metal release from serpentine soils in Sri Lanka. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3415-3429.	1.3	67
29	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
30	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 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. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1409-1420.	1.8	53
32	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
33	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. <i>Environmental Pollution</i> , 2021, 288, 117676.	3.7	39
34	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
35	Phosphorus sorption capacity of biochars varies with biochar type and salinity level. <i>Environmental Science and Pollution Research</i> , 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. <i>Applied Geochemistry</i> , 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. <i>Chemistry and Ecology</i> , 2014, 30, 267-279.	0.6	30
38	Amino-functionalized biochars for the detoxification and removal of hexavalent chromium in aqueous media. <i>Environmental Research</i> , 2022, 211, 113073.	3.7	30
39	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
40	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
41	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
42	Sorption of copper(II) from synthetic oil sands process-affected water (OSPW) by pine sawdust biochars: effects of pyrolysis temperature and steam activation. <i>Journal of Soils and Sediments</i> , 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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 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. <i>Environmental Earth Sciences</i> , 2014, 71, 837-847.	1.3	20
45	Colloidal biochar for enhanced adsorption of antibiotic ciprofloxacin in aqueous and synthetic hydrolyzed human urine matrices. <i>Chemosphere</i> , 2022, 297, 133984.	4.2	20
46	Phytoremediation prospects of per- and polyfluoroalkyl substances: A review. <i>Environmental Research</i> , 2022, 212, 113311.	3.7	20
47	Phytoremediation of fluoride from the environmental matrices: A review on its application strategies. <i>Groundwater for Sustainable Development</i> , 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. <i>Science of the Total Environment</i> , 2019, 696, 133922.	3.9	16
50	Characterization of Aqueous Pb(II) and Cd(II) Biosorption on Native and Chemically Modified <i>Alstonia macrophylla</i> Saw Dust. <i>Bioremediation Journal</i> , 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. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	0.9	11
52	Municipal Waste Biochar for Energy and Pollution Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 227-252.	0.3	8
53	Monitoring of Selected Veterinary Antibiotics in Animal Carcass Disposal Site and Adjacent Agricultural Soil. <i>Journal of Applied Biological Chemistry</i> , 2014, 57, 189-196.	0.2	7
54	Biochar for Waste Management and Environmental Sustainability. , 2016, , 273-291.		5

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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