Anushka Upamali Rajapaksha

List of Publications by Year
in descending order

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58 papers	8,457 citations	117625 34 h-index	149698 56 g-index
59 all docs	59 docs citations	59 times ranked	7408 citing authors

#	Article	IF	Citations
1	Hydrometallurgical processes for heavy metals recovery from industrial sludges. Critical Reviews in Environmental Science and Technology, 2022, 52, 1022-1062.	12.8	57
2	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. Environmental Pollution, 2022, 293, 118581.	7.5	94
3	A systematic review on adsorptive removal of hexavalent chromium from aqueous solutions: Recent advances. Science of the Total Environment, 2022, 809, 152055.	8.0	69
4	Colloidal biochar for enhanced adsorption of antibiotic ciprofloxacin in aqueous and synthetic hydrolyzed human urine matrices. Chemosphere, 2022, 297, 133984.	8.2	20
5	Amino-functionalized biochars for the detoxification and removal of hexavalent chromium in aqueous media. Environmental Research, 2022, 211, 113073.	7.5	30
6	Phytoremediation prospects of per- and polyfluoroalkyl substances: A review. Environmental Research, 2022, 212, 113311.	7.5	20
7	Recent technologies for nutrient removal and recovery from wastewaters: A review. Chemosphere, 2021, 277, 130328.	8.2	56
8	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.	8.0	25
9	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. Environmental Pollution, 2021, 288, 117676.	7.5	39
10	Animal carcass burial management: implications for sustainable biochar use. Applied Biological Chemistry, 2021, 64, 91.	1.9	3
11	Phytoremediation of fluoride from the environmental matrices: A review on its application strategies. Groundwater for Sustainable Development, 2020, 10, 100349.	4.6	19
12	Sorption process of municipal solid waste biochar-montmorillonite composite for ciprofloxacin removal in aqueous media. Chemosphere, 2019, 236, 124384.	8.2	117
13	Heavy metal dissolution mechanisms from electrical industrial sludge. Science of the Total Environment, 2019, 696, 133922.	8.0	16
14	Sorptive removal of pharmaceutical and personal care products from water and wastewater. , 2019, , 213-238.		18
15	Clay-biochar composites for sorptive removal of tetracycline antibiotic in aqueous media. Journal of Environmental Management, 2019, 238, 315-322.	7.8	164
16	Biochar-based engineered composites for sorptive decontamination of water: A review. Chemical Engineering Journal, 2019, 372, 536-550.	12.7	264
17	Municipal solid waste biochar-bentonite composite for the removal of antibiotic ciprofloxacin from aqueous media. Journal of Environmental Management, 2019, 236, 428-435.	7.8	93
18	Dissolved organic matter characterization of biochars produced from different feedstock materials. Journal of Environmental Management, 2019, 233, 393-399.	7.8	104

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19	Phosphorus sorption capacity of biochars varies with biochar type and salinity level. Environmental Science and Pollution Research, 2018, 25, 25799-25812.	5.3	35
20	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. Science of the Total Environment, 2018, 625, 1567-1573.	8.0	190
21	Adsorption of ammonium in aqueous solutions by pine sawdust and wheat straw biochars. Environmental Science and Pollution Research, 2018, 25, 25638-25647.	5.3	115
22	Municipal Waste Biochar for Energy and Pollution Remediation. Environmental Chemistry for A Sustainable World, 2018, , 227-252.	0.5	8
23	Potential of Biochar to Immobilize Nickel in Contaminated Soils. , 2018, , 293-318.		3
24	Medical geology of endemic goiter in Kalutara, Sri Lanka; distribution and possible causes. Environmental Geochemistry and Health, 2017, 39, 1501-1511.	3.4	2
25	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.	3.4	53
26	Biochars as Potential Adsorbers of CH4, CO2 and H2S. Sustainability, 2017, 9, 121.	3.2	68
27	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.	3.0	24
28	Biochar for Waste Management and Environmental Sustainability. , 2016, , 273-291.		5
29	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
30	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. Chemosphere, 2016, 148, 276-291.	8.2	959
31	Steam activation of biochars facilitates kinetics and pH-resilience of sulfamethazine sorption. Journal of Soils and Sediments, 2016, 16, 889-895.	3.0	51
32	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.	5.3	129
33	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.	12.4	178
34	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.	1.9	11
35	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.	5.2	149
36	Mechanisms of antimony adsorption onto soybean stover-derived biochar in aqueous solutions. Journal of Environmental Management, 2015, 151, 443-449.	7.8	92

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37	Enhanced sulfamethazine removal by steam-activated invasive plant-derived biochar. Journal of Hazardous Materials, 2015, 290, 43-50.	12.4	299
38	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.	3.4	97
39	Acid-activated biochar increased sulfamethazine retention in soils. Environmental Science and Pollution Research, 2015, 22, 2175-2186.	5.3	107
40	Developed fungalâ€“bacterial biofilms as a novel tool for bioremoval of hexavelant chromium from wastewater. Chemistry and Ecology, 2014, 30, 418-427.	1.6	27
41	Natural and synthesised iron-rich amendments for As and Pb immobilisation in agricultural soil. Chemistry and Ecology, 2014, 30, 267-279.	1.6	30
42	Effects of soil type and fertilizer on As speciation in rice paddy contaminated with As-containing pesticide. Environmental Earth Sciences, 2014, 71, 837-847.	2.7	20
43	Biochar as a sorbent for contaminant management in soil and water: A review. Chemosphere, 2014, 99, 19-33.	8.2	3,175
44	Metal release from serpentine soils in Sri Lanka. Environmental Monitoring and Assessment, 2014, 186, 3415-3429.	2.7	67
45	Surface complexation of fluoride at the activated nano-gibbsite water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 124-130.	4.7	28
46	Sorption and transport of sulfamethazine in agricultural soils amended with invasive-plant-derived biochar. Journal of Environmental Management, 2014, 141, 95-103.	7.8	145
47	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. Bioresource Technology, 2014, 166, 303-308.	9.6	279
48	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil. Chemosphere, 2014, 111, 500-504.	8.2	116
49	Monitoring of Selected Veterinary Antibiotics in Animal Carcass Disposal Site and Adjacent Agricultural Soil. Journal of Applied Biological Chemistry, 2014, 57, 189-196.	0.4	7
50	Trichloroethylene adsorption by pine needle biochars produced at various pyrolysis temperatures. Bioresource Technology, 2013, 143, 615-622.	9.6	319
51	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.	9.4	110
52	Cr(VI) Formation Related to Cr(III)-Muscovite and Birnessite Interactions in Ultramafic Environments. Environmental Science & Technology, 2013, 47, 9722-9729.	10.0	86
53	Efficacy of rapeseed residue and eggshell waste on enzyme activity and soil quality in rice paddy. Chemistry and Ecology, 2013, 29, 501-510.	1.6	2
54	Nickel and manganese release in serpentine soil from the Ussangoda Ultramafic Complex, Sri Lanka. Geoderma, 2012, 189-190, 1-9.	5.1	74

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55	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.	4.7	23
56	Characterization of Aqueous Pb(II) and Cd(II) Biosorption on Native and Chemically ModifiedAlstonia macrophyllaSaw Dust. Bioremediation Journal, 2012, 16, 113-124.	2.0	11
57	Modeling sorption of fluoride on to iron rich laterite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 398, 69-75.	4.7	38
58	Natural Red Earth as a low cost material for arsenic removal: Kinetics and the effect of competing ions. Applied Geochemistry, 2011, 26, 648-654.	3.0	33