

Anushka Upamali Rajapaksha

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

6,099

citations

29

h-index

59

g-index

59

ext. papers

7,176

ext. citations

6.6

avg, IF

5.81

L-index

#	Paper	IF	Citations
58	Biochar as a sorbent for contaminant management in soil and water: a review. <i>Chemosphere</i> , 2014 , 99, 19-33	8.4	2439
57	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , 2016 , 148, 276-91	8.4	703
56	Trichloroethylene adsorption by pine needle biochars produced at various pyrolysis temperatures. <i>Bioresource Technology</i> , 2013 , 143, 615-22	11	266
55	Enhanced sulfamethazine removal by steam-activated invasive plant-derived biochar. <i>Journal of Hazardous Materials</i> , 2015 , 290, 43-50	12.8	226
54	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. <i>Bioresource Technology</i> , 2014 , 166, 303-8	11	225
53	Biochar-based engineered composites for sorptive decontamination of water: A review. <i>Chemical Engineering Journal</i> , 2019 , 372, 536-550	14.7	157
52	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, 179-86	12.8	140
51	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. <i>Science of the Total Environment</i> , 2018 , 625, 1567-1573	10.2	139
50	Sorption and transport of sulfamethazine in agricultural soils amended with invasive-plant-derived biochar. <i>Journal of Environmental Management</i> , 2014 , 141, 95-103	7.9	120
49	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	5.7	107
48	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil. <i>Chemosphere</i> , 2014 , 111, 500-4	8.4	96
47	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	5.1	94
46	Clay-biochar composites for sorptive removal of tetracycline antibiotic in aqueous media. <i>Journal of Environmental Management</i> , 2019 , 238, 315-322	7.9	94
45	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, 217-24	9.3	90
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, 931-42	4.7	88
43	Acid-activated biochar increased sulfamethazine retention in soils. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2175-86	5.1	85
42	Cr(VI) Formation related to Cr(III)-muscovite and birnessite interactions in ultramafic environments. <i>Environmental Science & Technology</i> , 2013 , 47, 9722-9	10.3	73

41	Mechanisms of antimony adsorption onto soybean stover-derived biochar in aqueous solutions. <i>Journal of Environmental Management</i> , 2015 , 151, 443-9	7.9	71
40	Adsorption of ammonium in aqueous solutions by pine sawdust and wheat straw biochars. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25638-25647	5.1	71
39	Sorption process of municipal solid waste biochar-montmorillonite composite for ciprofloxacin removal in aqueous media. <i>Chemosphere</i> , 2019 , 236, 124384	8.4	65
38	Nickel and manganese release in serpentine soil from the Ussangoda Ultramafic Complex, Sri Lanka. <i>Geoderma</i> , 2012 , 189-190, 1-9	6.7	63
37	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		62
36	Dissolved organic matter characterization of biochars produced from different feedstock materials. <i>Journal of Environmental Management</i> , 2019 , 233, 393-399	7.9	60
35	Metal release from serpentine soils in Sri Lanka. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 3415-29	3.1	59
34	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	7.9	51
33	Biochars as Potential Adsorbers of CH ₄ , CO ₂ and H ₂ S. <i>Sustainability</i> , 2017 , 9, 121	3.6	41
32	Steam activation of biochars facilitates kinetics and pH-resilience of sulfamethazine sorption. <i>Journal of Soils and Sediments</i> , 2016 , 16, 889-895	3.4	37
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	4.7	34
30	Modeling sorption of fluoride on to iron rich laterite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 398, 69-75	5.1	34
29	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	3.5	29
28	Natural and synthesised iron-rich amendments for As and Pb immobilisation in agricultural soil. <i>Chemistry and Ecology</i> , 2014 , 30, 267-279	2.3	27
27	Phosphorus sorption capacity of biochars varies with biochar type and salinity level. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25799-25812	5.1	25
26	Developed fungal/bacterial biofilms as a novel tool for bioremoval of hexavalent chromium from wastewater. <i>Chemistry and Ecology</i> , 2014 , 30, 418-427	2.3	23
25	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	5.1	21
24	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	2.9	19

23	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	5.1	19
22	Hydrometallurgical processes for heavy metals recovery from industrial sludges. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-41	11.1	19
21	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	3.4	18
20	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021 , 277, 130328	8.4	18
19	Sorptive removal of pharmaceutical and personal care products from water and wastewater 2019 , 213-238		10
18	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	2.3	10
17	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	2.3	10
16	Phytoremediation of fluoride from the environmental matrices: A review on its application strategies. <i>Groundwater for Sustainable Development</i> , 2020 , 10, 100349	6	9
15	Propensity and appraisal of biochar performance in removal of oil spills: A comprehensive review. <i>Environmental Pollution</i> , 2021 , 288, 117676	9.3	9
14	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. <i>Environmental Pollution</i> , 2021 , 293, 118581	9.3	8
13	Heavy metal dissolution mechanisms from electrical industrial sludge. <i>Science of the Total Environment</i> , 2019 , 696, 133922	10.2	7
12	Municipal Waste Biochar for Energy and Pollution Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2018 , 227-252	0.8	5
11	A systematic review on adsorptive removal of hexavalent chromium from aqueous solutions: Recent advances. <i>Science of the Total Environment</i> , 2021 , 809, 152055	10.2	5
10	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	0.7	5
9	Biochar for Waste Management and Environmental Sustainability 2016 , 273-291		4
8	Efficacy of rapeseed residue and eggshell waste on enzyme activity and soil quality in rice paddy. <i>Chemistry and Ecology</i> , 2013 , 29, 501-510	2.3	2
7	Potential of Biochar to Immobilize Nickel in Contaminated Soils 2018 , 293-318		2
6	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	10.2	2

5	Amino-functionalized biochars for the detoxification and removal of hexavalent chromium in aqueous media.. <i>Environmental Research</i> , 2022 , 211, 113073	7.9	2
4	Medical geology of endemic goiter in Kalutara, Sri Lanka; distribution and possible causes. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 1501-1511	4.7	1
3	Colloidal biochar for enhanced adsorption of antibiotic ciprofloxacin in aqueous and synthetic hydrolyzed human urine matrices.. <i>Chemosphere</i> , 2022 , 297, 133984	8.4	0
2	Phytoremediation prospects of per- and poly-fluoroalkyl substances: A review.. <i>Environmental Research</i> , 2022 , 113311	7.9	0
1	Animal carcass burial management: implications for sustainable biochar use.. <i>Applied Biological Chemistry</i> , 2021 , 64, 91	2.9	