

Paramsothy Jeyakumar

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,127
citations

566801

15
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on bioremediation technologies for Cr(VI)-contaminated soils and wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 1027-1078.	6.6	298
2	Experimental and theoretical aspects of biochar-supported nanoscale zero-valent iron activating H ₂ O ₂ for ciprofloxacin removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 380, 120848.	6.5	119
3	Influence of biochar and soil properties on soil and plant tissue concentrations of Cd and Pb: A meta-analysis. <i>Science of the Total Environment</i> , 2021, 755, 142582.	3.9	109
4	Microorganisms-carbonaceous materials immobilized complexes: Synthesis, adaptability and environmental applications. <i>Journal of Hazardous Materials</i> , 2021, 416, 125915.	6.5	71
5	Characteristics and applications of biochar for remediating Cr(VI)-contaminated soils and wastewater. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1543-1567.	1.8	55
6	Biochar as a potential strategy for remediation of contaminated mining soils: Mechanisms, applications, and future perspectives. <i>Journal of Environmental Management</i> , 2022, 313, 114973.	3.8	53
7	Effect of biofertilizer and wheat straw biochar application on nitrous oxide emission and ammonia volatilization from paddy soil. <i>Environmental Pollution</i> , 2021, 275, 116640.	3.7	40
8	Supplying silicon alters microbial community and reduces soil cadmium bioavailability to promote health wheat growth and yield. <i>Science of the Total Environment</i> , 2021, 796, 148797.	3.9	35
9	Organic carbon content controls the severity of water repellency and the critical moisture level across New Zealand pasture soils. <i>Geoderma</i> , 2019, 338, 281-290.	2.3	33
10	Effect of soil cadmium on root organic acid secretion by forage crops. <i>Environmental Pollution</i> , 2021, 268, 115839.	3.7	29
11	Effect of pyrolysis temperature on the bioavailability of heavy metals in rice straw-derived biochar. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2198-2208.	2.7	28
12	Responses of rice (<i>Oryza sativa</i> L.) plant growth, grain yield and quality, and soil properties to the microplastic occurrence in paddy soil. <i>Journal of Soils and Sediments</i> , 2022, 22, 2174-2183.	1.5	23
13	Temporal dynamics of soil water repellency and its impact on pasture productivity. <i>Agricultural Water Management</i> , 2014, 143, 82-92.	2.4	21
14	Effect of simulated acid rain on fluorine mobility and the bacterial community of phosphogypsum. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15336-15348.	2.7	21
15	Biochar and soil properties limit the phytoavailability of lead and cadmium by <i>Brassica chinensis</i> L. in contaminated soils. <i>Biochar</i> , 2022, 4, 1.	6.2	21
16	Copper and zinc spiking of biosolids: effect of incubation period on metal fractionation and speciation and microbial activity. <i>Environmental Chemistry</i> , 2008, 5, 347.	0.7	15
17	Bioavailability of copper and zinc to poplar and microorganisms in a biosolids-amended soil. <i>Soil Research</i> , 2010, 48, 459.	0.6	15
18	Lithological mapping of Waiotapu Geothermal Field (New Zealand) using hyperspectral and thermal remote sensing and ground exploration techniques. <i>Geothermics</i> , 2021, 96, 102195.	1.5	15

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19	Influence of Soil Moisture Status on Soil Cadmium Phytoavailability and Accumulation in Plantain (<i>Plantago lanceolata</i>). <i>Soil Systems</i> , 2018, 2, 9.	1.0	13
20	A novel approach to quantify the impact of soil water repellency on run-off and solute loss. <i>Geoderma</i> , 2014, 221-222, 121-130.	2.3	12
21	Removal of vanadium from aquatic environment using phosphoric acid modified rice straw. <i>Bioremediation Journal</i> , 2020, 24, 80-89.	1.0	12
22	Soil cadmium and New Zealand dairy farms: Impact of whole-farm contaminant variability on environmental management. <i>Agriculture, Ecosystems and Environment</i> , 2018, 254, 282-291.	2.5	10
23	Cadmium in soils under pasture predicted by soil spectral reflectance on two dairy farms in New Zealand. <i>Geoderma Regional</i> , 2018, 13, 26-34.	0.9	10
24	Defining a standard method to measure the total and bioavailable concentration of fluorine in New Zealand soils. <i>Microchemical Journal</i> , 2018, 142, 94-101.	2.3	9
25	Mercury resistance and plant growth promoting traits of endophytic bacteria isolated from mercury-contaminated soil. <i>Bioremediation Journal</i> , 2022, 26, 208-227.	1.0	9
26	Technical solutions for minimizing wheat grain cadmium: A field study in North China. <i>Science of the Total Environment</i> , 2022, 818, 151791.	3.9	6
27	Forage crops and cadmium: How changing farming systems might impact cadmium accumulation in animals. <i>Science of the Total Environment</i> , 2022, 827, 154256.	3.9	6
28	Being applied at rice or wheat season impacts biochar's effect on gaseous nitrogen pollutants from the wheat growth cycle. <i>Environmental Pollution</i> , 2022, 306, 119409.	3.7	6
29	Comparative tolerance of <i>Pinus radiata</i> and microbial activity to copper and zinc in a soil treated with metal-amended biosolids. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3254-3263.	2.7	5
30	Repellency-induced runoff from New Zealand hill country under pasture: A plot study. <i>Agricultural Water Management</i> , 2018, 201, 83-90.	2.4	5
31	Tsunami Impacts and Rehabilitation of Groundwater Supply: Lessons Learned from Eastern Sri Lanka. , 2010, , 82-99.		5
32	Bioavailable Cu can influence nitrification rate in New Zealand dairy farm soils. <i>Journal of Soils and Sediments</i> , 2022, 22, 916-930.	1.5	5
33	A comparison of three nitrate leaching mitigation treatments with dicyandiamide using lysimeters. <i>New Zealand Journal of Agricultural Research</i> , 2022, 65, 547-560.	0.9	4
34	Biochar can Increase Chinese Cabbage (<i>Brassica oleracea</i> L.) Yield, Decrease Nitrogen and Phosphorus Leaching Losses in Intensive Vegetable Soil. <i>Phyton</i> , 2022, 91, 197-206.	0.4	4
35	Endophytic bacteria promote biomass production and mercury-bioaccumulation of Bermuda grass and Indian goosegrass. <i>International Journal of Phytoremediation</i> , 2022, 24, 1184-1192.	1.7	3
36	Fluorine and white clover: Assessing fluorine's impact on <i>Rhizobium leguminosarum</i> . <i>Journal of Environmental Quality</i> , 2020, 49, 987-999.	1.0	1