Rafael Clemente

List of Publications by Year
in descending order

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65 papers	5,000 citations	126708 33 h-index	110170 64 g-index
69 all docs	69 docs citations	69 times ranked	4482 citing authors

#	Article	IF	Citations
1	Differential response of Oryza sativa L. and Phragmites australis L. plants in trace elements contaminated soils under flooded and unflooded conditions. Environmental Geochemistry and Health, 2022, 44, 99-115.	1.8	6
2	Response of Phragmites australis to increasing As(V) concentrations: Accumulation and speciation of As, and plant oxidative stress. Chemosphere, 2022, 302, 134937.	4.2	4
3	An arsRB resistance operon confers tolerance to arsenite in the environmental isolate Terribacillus sp. AE2B 122. FEMS Microbiology Ecology, 2021, 97, .	1.3	2
4	Potential of the Biomass of Plants Grown in Trace Element-Contaminated Soils under Mediterranean Climatic Conditions for Bioenergy Production. Agronomy, 2021, 11, 1750.	1.3	8
5	Integrating Anaerobic Digestion of Pig Slurry and Thermal Valorisation of Biomass. Waste and Biomass Valorization, 2020, 11, 6125-6137.	1.8	14
6	Interactions between the Hyperaccumulator Noccaea caerulescens and Brassica juncea or Lupinus albus for Phytoextraction. Agronomy, 2020, 10, 1367.	1.3	2
7	Use of Brassica juncea and Dactylis glomerata for the phytostabilization of mine soils amended with compost or biochar. Chemosphere, 2020, 260, 127661.	4.2	44
8	Nanoscale Zero-Valent Iron Has Minimum Toxicological Risk on the Germination and Early Growth of Two Grass Species with Potential for Phytostabilization. Nanomaterials, 2020, 10, 1537.	1.9	9
9	Major As species, lipid peroxidation and protein carbonylation in rice plants exposed to increasing As(V) concentrations. Heliyon, 2020, 6, e04703.	1.4	12
10	Chemical and Bioenergetic Characterization of Biofuels from Plant Biomass: Perspectives for Southern Europe. Applied Sciences (Switzerland), 2020, 10, 3571.	1.3	9
11	Extractability, Distribution Among Different Particle Size Fractions, and Phytotoxicity of Cu and Zn in Composts Made With the Separated Solid Fraction of Pig Slurry. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	6
12	Selection of Mediterranean plants biomass for the composting of pig slurry solids based on the heat production during aerobic degradation. Waste Management, 2020, 104, 1-8.	3.7	12
13	Strategies for the use of plant biomass obtained in the phytostabilisation of trace-element-contaminated soils. Biomass and Bioenergy, 2019, 126, 220-230.	2.9	18
14	Energy production potential of phytoremediation plant biomass: Helianthus annuus and Silybum marianum. Industrial Crops and Products, 2019, 135, 206-216.	2.5	28
15	Combination of soil organic and inorganic amendments helps plants overcome trace element induced oxidative stress and allows phytostabilisation. Chemosphere, 2019, 223, 223-231.	4.2	36
16	Arsenic adsorption and plant availability in an agricultural soil irrigated with As-rich water: Effects of Fe-rich amendments and organic and inorganic fertilisers. Journal of Environmental Management, 2018, 209, 262-272.	3.8	26
17	Indicators for Monitoring Mine Site Rehabilitation. , 2018, , 49-66.		3
18	Response of Piptatherum miliaceum to co-culture with a legume species for the phytostabilisation of trace elements contaminated soils. Journal of Soils and Sediments, 2017, 17, 1349-1357.	1.5	17

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19	Evaluation of the slurry management strategy and the integration of the composting technology in a pig farm â€“ Agronomical and environmental implications. Journal of Environmental Management, 2017, 192, 57-67.	3.8	28
20	Phytostabilisation of severely contaminated mine tailings using halophytes and field addition of organic and inorganic amendments. Chemosphere, 2017, 178, 556-564.	4.2	40
21	The use of olive mill waste to promote phytoremediation. , 2017, , 183-204.		10
22	Alleviation of environmental risks associated with severely contaminated mine tailings using amendments: Modeling of trace element speciation, solubility, and plant accumulation. Environmental Toxicology and Chemistry, 2016, 35, 2874-2884.	2.2	10
23	Maghemite nanoparticles and ferrous sulfate for the stimulation of iron plaque formation and arsenic immobilization in Phragmites australis. Environmental Pollution, 2016, 219, 296-304.	3.7	24
24	Arsenic(V) adsorption-desorption in agricultural and mine soils: Effects of organic matter addition and phosphate competition. Environmental Pollution, 2016, 216, 71-79.	3.7	93
25	Changes in the heavy metal solubility of two contaminated soils after heavy metals phytoextraction with Noccaea caerulescens. Ecological Engineering, 2016, 89, 56-63.	1.6	28
26	Food byproducts as amendments in trace elements contaminated soils. Food Research International, 2015, 73, 176-189.	2.9	73
27	The use of olive-mill waste compost to promote the plant vegetation cover in a trace-element-contaminated soil. Environmental Science and Pollution Research, 2014, 21, 1029-1038.	2.7	43
28	Assessing the influence of compost and biochar amendments on the mobility and toxicity of metals and arsenic in a naturally contaminated mine soil. Environmental Pollution, 2014, 186, 195-202.	3.7	369
29	Assessment of native shrubs for stabilisation of a trace elements-polluted soil as the final phase of a restoration process. Agriculture, Ecosystems and Environment, 2014, 196, 103-111.	2.5	24
30	Comparison of compost and humic fertiliser effects on growth and trace elements accumulation of native plant species in a mine soil phytorestoration experiment. Ecological Engineering, 2014, 73, 588-597.	1.6	26
31	Evaluation of the phytostabilisation efficiency in a trace elements contaminated soil using soil health indicators. Journal of Hazardous Materials, 2014, 268, 68-76.	6.5	101
32	Efficiency of soil organic and inorganic amendments on the remediation of a contaminated mine soil: I. Effects on trace elements and nutrients solubility and leaching risk. Chemosphere, 2014, 107, 121-128.	4.2	63
33	Efficiency of soil organic and inorganic amendments on the remediation of a contaminated mine soil: II. Biological and ecotoxicological evaluation. Chemosphere, 2014, 107, 101-108.	4.2	41
34	Assessment of the environmental risks associated with two mine tailing soils from the La UniÃ³n-Cartagena (Spain) mining district. Journal of Geochemical Exploration, 2014, 147, 98-106.	1.5	29
35	Soil C and N mineralisation and agricultural value of the products of an anaerobic digestion system. Biology and Fertility of Soils, 2013, 49, 313-322.	2.3	80
36	Arsenic and selenium mobilisation from organic matter treated mine spoil with and without inorganic fertilisation. Environmental Pollution, 2013, 173, 238-244.	3.7	77

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37	Antimony. Environmental Pollution, 2013, , 497-506.	0.4	8
38	Tungsten. Environmental Pollution, 2013, , 559-564.	0.4	1
39	Efficiency of a phytoimmobilisation strategy for heavy metal contaminated soils using white lupin. Journal of Geochemical Exploration, 2012, 123, 95-100.	1.5	7
40	The use of a halophytic plant species and organic amendments for the remediation of a trace elements-contaminated soil under semi-arid conditions. Journal of Hazardous Materials, 2012, 223-224, 63-71.	6.5	124
41	Impact of fresh and composted solid olive husk and their water-soluble fractions on soil heavy metal fractionation; microbial biomass and plant uptake. Journal of Hazardous Materials, 2011, 186, 1283-1289.	6.5	82
42	Field sampling of soil pore water to evaluate trace element mobility and associated environmental risk. Environmental Pollution, 2011, 159, 3078-3085.	3.7	69
43	Effects of compost, pig slurry and lime on trace element solubility and toxicity in two soils differently affected by mining activities. Chemosphere, 2011, 84, 642-650.	4.2	98
44	Efficiency of green waste compost and biochar soil amendments for reducing lead and copper mobility and uptake to ryegrass. Journal of Hazardous Materials, 2011, 191, 41-48.	6.5	462
45	Mobility of arsenic, cadmium and zinc in a multi-element contaminated soil profile assessed by in-situ soil pore water sampling, column leaching and sequential extraction. Environmental Pollution, 2010, 158, 155-160.	3.7	147
46	Trace element mobility in a contaminated soil two years after field-amendment with a greenwaste compost mulch. Environmental Pollution, 2010, 158, 1644-1651.	3.7	91
47	Optimization of pig slurry application to heavy metal polluted soils monitoring nitrification processes. Chemosphere, 2010, 81, 603-610.	4.2	25
48	Implications of the Use of As-Rich Groundwater for Agricultural Purposes and the Effects of Soil Amendments on As Solubility. Environmental Science & Technology, 2010, 44, 9463-9469.	4.6	25
49	Trace element behaviour at the rootâ€“soil interface: Implications in phytoremediation. Environmental and Experimental Botany, 2009, 67, 243-259.	2.0	340
50	Metal Availability and Chemical Properties in the Rhizosphere of Lupinus albus L. Growing in a High-Metal Calcareous Soil. Water, Air, and Soil Pollution, 2009, 201, 283-293.	1.1	43
51	Arsenic stability and mobilization in soil at an amenity grassland overlying chemical waste (St. Helens,) Tj ETQq1 1 0.784314 rgBT /Ove	3.7	62
52	Source-pathway-receptor investigation of the fate of trace elements derived from shotgun pellets discharged in terrestrial ecosystems managed for game shooting. Environmental Pollution, 2009, 157, 2663-2669.	3.7	21
53	Mobility of metals and metalloids in a multi-element contaminated soil 20years after cessation of the pollution source activity. Environmental Pollution, 2008, 155, 254-261.	3.7	138
54	Changes in metal speciation and pH in olive processing waste and sulphur-treated contaminated soil. Ecotoxicology and Environmental Safety, 2008, 70, 207-215.	2.9	29

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55	Changes in Microbial Biomass Parameters of a Heavy Metal-Contaminated Calcareous Soil during a Field Remediation Experiment. Journal of Environmental Quality, 2007, 36, 1137-1144.	1.0	29
56	A field experiment investigating the effects of olive husk and cow manure on heavy metal availability in a contaminated calcareous soil from Murcia (Spain). Agriculture, Ecosystems and Environment, 2007, 118, 319-326.	2.5	96
57	Fractionation of heavy metals and distribution of organic carbon in two contaminated soils amended with humic acids. Chemosphere, 2006, 64, 1264-1273.	4.2	182
58	A remediation strategy based on active phytoremediation followed by natural attenuation in a soil contaminated by pyrite waste. Environmental Pollution, 2006, 143, 397-406.	3.7	125
59	Heavy metals fractionation and organic matter mineralisation in contaminated calcareous soil amended with organic materials. Bioresource Technology, 2006, 97, 1894-1901.	4.8	155
60	Tolerance and accumulation of heavy metals by Brassicaceae species grown in contaminated soils from Mediterranean regions of Spain. Environmental and Experimental Botany, 2006, 56, 19-27.	2.0	110
61	Uptake of heavy metals and As by Brassica juncea grown in a contaminated soil in AznalcÃ³llar (Spain): The effect of soil amendments. Environmental Pollution, 2005, 138, 46-58.	3.7	225
62	Contrasting effects of manure and compost on soil pH, heavy metal availability and growth of Chenopodium album L. in a soil contaminated by pyritic mine waste. Chemosphere, 2004, 57, 215-224.	4.2	403
63	Heavy metal bioavailability in a soil affected by mineral sulphides contamination following the mine spillage at AznalcÃ³llar (Spain). Biodegradation, 2003, 14, 199-205.	1.5	117
64	The effects of soil amendments on heavy metal bioavailability in two contaminated Mediterranean soils. Environmental Pollution, 2003, 122, 303-312.	3.7	297
65	Mercurated and Palladated Iminophosphoranes. Synthesis and Reactivity. Organometallics, 2003, 22, 4248-4259.	1.1	71