Flora A Vega

List of Publications by Year
in descending order

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35 papers	1,278 citations	331670 21 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1570 citing authors

#	Article	IF	Citations
1	Competitive sorption and desorption of heavy metals in mine soils: Influence of mine soil characteristics. Journal of Colloid and Interface Science, 2006, 298, 582-592.	9.4	173
2	Effects of vegetation on chemical and mineralogical characteristics of soils developed on a decantation bank from a copper mine. Science of the Total Environment, 2012, 421-422, 220-229.	8.0	119
3	The dynamics of heavy metals in plantâ€“soil interactions. Ecological Modelling, 2010, 221, 1148-1152.	2.5	106
4	Effects of tree vegetation and waste amendments on the fractionation of Cr, Cu, Ni, Pb and Zn in polluted mine soils. Science of the Total Environment, 2013, 443, 446-453.	8.0	75
5	The influence of soil properties on the individual and competitive sorption and desorption of Cu and Cd. Geoderma, 2011, 162, 20-26.	5.1	64
6	Origin and spatial distribution of metals in urban soils. Journal of Soils and Sediments, 2017, 17, 1514-1526.	3.0	52
7	A versatile parameter for comparing the capacities of soils for sorption and retention of heavy metals dumped individually or together: Results for cadmium, copper and lead in twenty soil horizons. Journal of Colloid and Interface Science, 2008, 327, 275-286.	9.4	47
8	Limiting factors for reforestation of mine spoils from Galicia (Spain). Land Degradation and Development, 2005, 16, 27-36.	3.9	44
9	Soil fertility and spontaneous revegetation in lignite spoil banks under different amendments. Soil and Tillage Research, 2010, 110, 134-142.	5.6	43
10	Pb pollution in soils from a trap shooting range and the phytoremediation ability of Agrostis capillaris L.. Environmental Science and Pollution Research, 2016, 23, 1312-1323.	5.3	40
11	Speciation of heavy metals in River Rhine. Water Research, 2013, 47, 363-372.	11.3	38
12	A soil quality index for reclaimed mine soils. Environmental Toxicology and Chemistry, 2013, 32, 2240-2248.	4.3	38
13	Enrichment of marsh soils with heavy metals by effect of anthropic pollution. Journal of Hazardous Materials, 2009, 170, 1056-1063.	12.4	37
14	Effects of sewage sludge and barley straw treatment on the sorption and retention of Cu, Cd and Pb by coppermine Anthropic Regosols. Journal of Hazardous Materials, 2009, 169, 36-45.	12.4	36
15	Copper distribution in surface and subsurface soil horizons. Environmental Science and Pollution Research, 2014, 21, 10997-11008.	5.3	36
16	Ability of Cytisus scoparius for phytoremediation of soils from a Pb/Zn mine: Assessment of metal bioavailability and bioaccumulation. Journal of Environmental Management, 2019, 235, 152-160.	7.8	34
17	Copper, Chromium, Nickel, Lead and Zinc Levels and Pollution Degree in Firing Range Soils. Land Degradation and Development, 2016, 27, 1721-1730.	3.9	33
18	Heavy metal concentrations in plants and different harvestable parts: A soilâ€“plant equilibrium model. Environmental Pollution, 2010, 158, 2659-2663.	7.5	25

#	Article	IF	Citations
19	Hysteresis in the individual and competitive sorption of cadmium, copper, and lead by various soil horizons. Journal of Colloid and Interface Science, 2009, 331, 312-317.	9.4	24
20	Risk of metal mobility in soils from a Pb/Zn depleted mine (Lugo, Spain). Environmental Earth Sciences, 2014, 72, 2541-2556.	2.7	24
21	Modeling the plantâ€“soil interaction in presence of heavy metal pollution and acidity variations. Environmental Monitoring and Assessment, 2013, 185, 73-80.	2.7	21
22	Heavy metal content and toxicity of mine and quarry soils. Journal of Soils and Sediments, 2017, 17, 1331-1348.	3.0	18
23	Identifying sources of Pb pollution in urban soils by means of MC-ICP-MS and TOF-SIMS. Environmental Science and Pollution Research, 2015, 22, 7859-7872.	5.3	17
24	Assessment of iron-based and calcium-phosphate nanomaterials for immobilisation of potentially toxic elements in soils from a shooting range berm. Journal of Environmental Management, 2020, 267, 110640.	7.8	17
25	Development of a model to select plants with optimum metal phytoextraction potential. Environmental Science and Pollution Research, 2011, 18, 997-1003.	5.3	15
26	The role of cation exchange in the sorption of cadmium, copper and lead by soils saturated with magnesium. Journal of Hazardous Materials, 2009, 171, 262-267.	12.4	14
27	Degradation of fuel oil in salt marsh soils affected by the Prestige oil spill. Journal of Hazardous Materials, 2009, 166, 1020-1029.	12.4	14
28	Limitations for revegetation in lead/zinc minesoils (NW Spain). Journal of Soils and Sediments, 2014, 14, 785-793.	3.0	13
29	Influence of mineral and organic components on copper, lead, and zinc sorption by acid soils. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 2167-2173.	1.7	12
30	Modification of a soilâ€“vegetation nonlinear interaction model with acid deposition for simplified experimental applicability. Ecological Modelling, 2009, 220, 2137-2141.	2.5	12
31	Phytoavailable content of metals in soils from copper mine tailings (Touro mine, Galicia, Spain). Journal of Geochemical Exploration, 2014, 147, 159-166.	3.2	11
32	Chemical availability versus bioavailability of potentially toxic elements in mining and quarry soils. Chemosphere, 2020, 251, 126421.	8.2	11
33	Soils from abandoned shooting range facilities as contamination source of potentially toxic elements: distribution among soil geochemical fractions. Environmental Geochemistry and Health, 2021, 43, 4283-4297.	3.4	7
34	Validation of TOF-SIMS and FE-SEM/EDS Techniques Combined with Sorption and Desorption Experiments to Check Competitive and Individual Pb2+ and Cd2+ Association with Components of B Soil Horizons. PLoS ONE, 2015, 10, e0123977.	2.5	6
35	Planting trees and amending with waste increases the capacity of mine tailings soils to retain Ni, Pb and Zn. Spanish Journal of Soil Science, 0, 4, .	0.0	2