Paula MadejÃ“n

List of Publications by Year
in descending order

67 papers	2,666 citations	159585 30 h-index	189892 50 g-index
70 all docs	70 docs citations	70 times ranked	2843 citing authors

#	Article	IF	Citations
1	Composting as Sustainable Managing Option for Seaweed Blooms on Recreational Beaches. Waste and Biomass Valorization, 2022, 13, 863-875.	3.4	10
2	Assessment of the phytoremediation effectiveness in the restoration of uranium mine tailings. Ecological Engineering, 2022, 180, 106669.	3.6	7
3	Rehabilitation of waste rock piles: Impact of acid drainage on potential toxicity by trace elements in plants and soil. Journal of Environmental Management, 2021, 280, 111848.	7.8	21
4	Plant response to mycorrhizal inoculation and amendments on a contaminated soil. Science of the Total Environment, 2021, 789, 147943.	8.0	10
5	Short rotation coppice of leguminous tree Leucaena spp. improves soil fertility while producing high biomass yields in Mediterranean environment. Industrial Crops and Products, 2020, 157, 112911.	5.2	13
6	Variation in morphological and chemical traits of Mediterranean tree roots: linkage with leaf traits and soil conditions. Plant and Soil, 2020, 449, 389-403.	3.7	22
7	Thistle crops in marginal lands after compost addition: Plant biomass and effect on soil physical, chemical and biological properties. Land Degradation and Development, 2020, 31, 1167-1175.	3.9	7
8	Soil hydraulic properties as the main driver in the establishment of biomass crops in contaminated soils. Journal of Environmental Management, 2019, 233, 812-822.	7.8	11
9	Soil-plant relationships and contamination by trace elements: A review of twenty years of experimentation and monitoring after the AznalcÃ³llar (SW Spain) mine accident. Science of the Total Environment, 2018, 625, 50-63.	8.0	78
10	Long-term effects of organic amendments on bacterial and fungal communities in a degraded Mediterranean soil. Geoderma, 2018, 332, 20-28.	5.1	38
11	Evaluation of amendment addition and tree planting as measures to remediate contaminated soils: The Guadiamar case study (SW Spain). Catena, 2018, 166, 34-43.	5.0	35
12	Assessment of trace element phytoavailability in compost amended soils using different methodologies. Journal of Soils and Sediments, 2017, 17, 1251-1261.	3.0	25
13	The potential of native species as bioenergy crops on trace-element contaminated Mediterranean lands. Science of the Total Environment, 2017, 590-591, 29-39.	8.0	33
14	Native soil organic matter as a decisive factor to determine the arbuscular mycorrhizal fungal community structure in contaminated soils. Biology and Fertility of Soils, 2017, 53, 327-338.	4.3	25
15	Novel energy crops for Mediterranean contaminated lands: Valorization of Dittrichia viscosa and Silybum marianum biomass by pyrolysis. Chemosphere, 2017, 186, 968-976.	8.2	24
16	Potential of Eucalyptus camaldulensis for phytostabilization and biomonitoring of trace-element contaminated soils. PLoS ONE, 2017, 12, e0180240.	2.5	36
17	Carbon Sequestration in Restored Soils by Applying Organic Amendments. Land Degradation and Development, 2016, 27, 620-629.	3.9	33
18	Organic Compost to Improve Contaminated Soil Quality and Plant Fertility. Soil Science, 2016, 181, 487-493.	0.9	8

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19	Effect of heavy metals and organic matter on root exudates (low molecular weight organic acids) of herbaceous species: An assessment in sand and soil conditions under different levels of contamination. Environmental Pollution, 2016, 216, 273-281.	7.5	175
20	Three-year study of fast-growing trees in degraded soils amended with composts: Effects on soil fertility and productivity. Journal of Environmental Management, 2016, 169, 18-26.	7.8	45
21	Improving sustainability in the remediation of contaminated soils by the use of compost and energy valorization by Paulownia fortunei. Science of the Total Environment, 2016, 539, 401-409.	8.0	18
22	River banks and channels as hotspots of soil pollution after large-scale remediation of a river basin. Geoderma, 2016, 261, 133-140.	5.1	44
23	Assisted Natural Remediation of a Trace Element-Contaminated Acid Soil: An Eight-Year Field Study. Pedosphere, 2015, 25, 250-262.	4.0	20
24	Food byproducts as amendments in trace elements contaminated soils. Food Research International, 2015, 73, 176-189.	6.2	73
25	Effects of soil contamination by trace elements on white poplar progeny: seed germination and seedling vigour. Environmental Monitoring and Assessment, 2015, 187, 663.	2.7	10
26	Evaluation of phytostabilizer ability of three ruderal plants in mining soils restored by application of organic amendments. Ecological Engineering, 2015, 83, 431-436.	3.6	15
27	How the soil chemical composition is affected by seven tree species planted at a contaminated and remediated site. Web Ecology, 2015, 15, 45-48.	1.6	6
28	Quality of trace element contaminated soils amended with compost under fast growing tree Paulownia fortunei plantation. Journal of Environmental Management, 2014, 144, 176-185.	7.8	23
29	Soil plant interactions of Populus alba in contrasting environments. Journal of Environmental Management, 2014, 132, 329-337.	7.8	18
30	Soil chemical and biochemical properties under Populus alba growing: Three years study in trace element contaminated soils. Applied Soil Ecology, 2014, 73, 26-33.	4.3	19
31	White poplar (Populus alba L.) - Litter impact on chemical and biochemical parameters related to nitrogen cycle in contaminated soils. Forest Systems, 2014, 23, 72.	0.3	1
32	Natural remediation of an unremediated soil twelve years after a mine accident: Trace element mobility and plant composition. Journal of Environmental Management, 2013, 114, 36-45.	7.8	17
33	Lignite Reduces the Solubility and Plant Uptake of Cadmium in Pasturelands. Environmental Science & Technology, 2013, 47, 4497-4504.	10.0	76
34	The snail Theba pisana as an indicator of soil contamination by trace elements: potential exposure for animals and humans. Journal of the Science of Food and Agriculture, 2013, 93, 2259-2266.	3.5	9
35	Growth of Populus alba and its influence on soil trace element availability. Science of the Total Environment, 2013, 454-455, 337-347.	8.0	24
36	Long-Term Biomonitoring of Soil Contamination Using Poplar Trees: Accumulation of Trace Elements in Leaves and Fruits. International Journal of Phytoremediation, 2013, 15, 602-614.	3.1	37

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37	Trace element-rich litter in soils: influence on biochemical properties related to the carbon cycle. Journal of Soils and Sediments, 2012, 12, 663-673.	3.0	12
38	Pasture composition in a trace element-contaminated area: the particular case of Fe and Cd for grazing horses. Environmental Monitoring and Assessment, 2012, 184, 2031-2043.	2.7	14
39	Biosolids, mycorrhizal fungi and eucalypts for phytostabilization of arsenical sulphidic mine tailings. Agroforestry Systems, 2012, 84, 389-399.	2.0	22
40	Phytostabilization of semiarid soils residually contaminated with trace elements using by-products: Sustainability and risks. Environmental Pollution, 2011, 159, 3018-3027.	7.5	47
41	Traditional agricultural practices enable sustainable remediation of highly polluted soils in Southern Spain for cultivation of food crops. Journal of Environmental Management, 2011, 92, 1828-1836.	7.8	31
42	Afforestation of a trace-element polluted area in SW Spain: woody plant performance and trace element accumulation. European Journal of Forest Research, 2010, 129, 47-59.	2.5	25
43	By-products as amendment to improve biochemical properties of trace element contaminated soils: Effects in time. International Biodeterioration and Biodegradation, 2010, 64, 481-488.	3.9	34
44	Arbuscular Mycorrhizal Fungi (AMF) and Biosolids Enhance the Growth of a Native Australian Grass on Sulphidic Gold Mine Tailings. Restoration Ecology, 2010, 18, 175-183.	2.9	17
45	Do amended, polluted soils require re-treatment for sustainable risk reduction? â€" Evidence from field experiments. Geoderma, 2010, 159, 174-181.	5.1	40
46	In situ remediation of metal-contaminated soils with organic amendments: Role of humic acids in copper bioavailability. Chemosphere, 2010, 79, 844-849.	8.2	95
47	Seasonal and temporal evolution of nutrient composition of pastures grown on remediated and non remediated soils affected by trace element contamination (Guadiamar Valley, SW Spain). Spanish Journal of Agricultural Research, 2010, 8, 729.	0.6	2
48	Copper-induced oxidative damage and enhanced antioxidant defenses in the root apex of maize cultivars differing in Cu tolerance. Environmental and Experimental Botany, 2009, 67, 415-420.	4.2	54
49	Evaluation of pastures for horses grazing on soils polluted by trace elements. Ecotoxicology, 2009, 18, 417-428.	2.4	35
50	Bioavailability and accumulation of trace elements in soils and plants of a highly contaminated estuary (Domingo Rubio tidal channel, SW Spain). Environmental Geochemistry and Health, 2009, 31, 629-642.	3.4	13
51	Trace elements, pH and organic matter evolution in contaminated soils under assisted natural remediation: A 4-year field study. Journal of Hazardous Materials, 2009, 162, 931-938.	12.4	49
52	Phytostabilization of Amended Soils Polluted with Trace Elements Using the Mediterranean Shrub:Rosmarinus Officinalis. International Journal of Phytoremediation, 2009, 11, 542-557.	3.1	23
53	Trace elements in wild grasses: a phytoavailability study on a remediated field. Environmental Geochemistry and Health, 2008, 30, 109-114.	3.4	25
54	Mercury and other trace elements in soils affected by the mine tailing spill in AznalcÃ³llar (SW Spain). Science of the Total Environment, 2008, 390, 311-322.	8.0	33

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55	Factors affecting accumulation of thallium and other trace elements in two wild Brassicaceae spontaneously growing on soils contaminated by tailings dam waste. Chemosphere, 2007, 67, 20-28.	8.2	61
56	Cadmium and Zinc in Vegetation and Litter of a Voluntary Woodland that has Developed on Contaminated Sediment-Derived Soil. Journal of Environmental Quality, 2007, 36, 1123-1131.	2.0	32
57	Arsenic in soils and plants of woodland regenerated on an arsenic-contaminated substrate: A sustainable natural remediation?. Science of the Total Environment, 2007, 379, 256-262.	8.0	64
58	Accumulation of As, Cd and selected trace elements in tubers of Scirpus maritimus L. from DoÃ±ana marshes (South Spain). Chemosphere, 2006, 64, 742-748.	8.2	27
59	In defence of plants as biomonitors of soil quality. Environmental Pollution, 2006, 143, 1-3.	7.5	18
60	Bioaccumulation of Trace Elements in a Wild Grass Three Years After the AznalcÃ³llar Mine Spill (South Spain). Environmental Monitoring and Assessment, 2006, 114, 169-189.	2.7	32
61	Biomonitoring of trace elements in the leaves and fruits of wild olive and holm oak trees. Science of the Total Environment, 2006, 355, 187-203.	8.0	91
62	Thallium Accumulation in Floral Structures of Hirschfeldia incana (L.) LagrÃ¨ze-Fossat (Brassicaceae). Bulletin of Environmental Contamination and Toxicology, 2005, 74, 1058-1064.	2.7	17
63	The response of wild olive to the addition of a fulvic acid-rich amendment to soils polluted by trace elements (SW Spain). Journal of Arid Environments, 2005, 63, 284-303.	2.4	28
64	White poplar (Populus alba) as a biomonitor of trace elements in contaminated riparian forests. Environmental Pollution, 2004, 132, 145-155.	7.5	167
65	Phytoextraction: an assessment of biogeochemical and economic viability. Plant and Soil, 2003, 249, 117-125.	3.7	158
66	Trace element and nutrient accumulation in sunflower plants two years after the AznalcÃ³llar mine spill. Science of the Total Environment, 2003, 307, 239-257.	8.0	173
67	Bioaccumulation of As, Cd, Cu, Fe and Pb in wild grasses affected by the AznalcÃ³llar mine spill (SW) Tj ETQq1 1 0.784314 rgBT /Over	8.0	157