

Paula Madejã“n

List of Publications by Year in descending order

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Version: 2024-02-01

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	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. <i>Environmental Pollution</i> , 2016, 216, 273-281.	7.5	175
2	Trace element and nutrient accumulation in sunflower plants two years after the Aznalc��llar mine spill. <i>Science of the Total Environment</i> , 2003, 307, 239-257.	8.0	173
3	White poplar (<i>Populus alba</i>) as a biomonitor of trace elements in contaminated riparian forests. <i>Environmental Pollution</i> , 2004, 132, 145-155.	7.5	167
4	Phytoextraction: an assessment of biogeochemical and economic viability. <i>Plant and Soil</i> , 2003, 249, 117-125.	3.7	158
5	Bioaccumulation of As, Cd, Cu, Fe and Pb in wild grasses affected by the Aznalc��llar mine spill (SW) Tj ETQq1 1 0.784314 rgBT/Ov	8.0	157
6	In situ remediation of metal-contaminated soils with organic amendments: Role of humic acids in copper bioavailability. <i>Chemosphere</i> , 2010, 79, 844-849.	8.2	95
7	Biomonitoring of trace elements in the leaves and fruits of wild olive and holm oak trees. <i>Science of the Total Environment</i> , 2006, 355, 187-203.	8.0	91
8	Soil-plant relationships and contamination by trace elements: A review of twenty years of experimentation and monitoring after the Aznalc��llar (SW Spain) mine accident. <i>Science of the Total Environment</i> , 2018, 625, 50-63.	8.0	78
9	Lignite Reduces the Solubility and Plant Uptake of Cadmium in Pasturelands. <i>Environmental Science & Technology</i> , 2013, 47, 4497-4504.	10.0	76
10	Food byproducts as amendments in trace elements contaminated soils. <i>Food Research International</i> , 2015, 73, 176-189.	6.2	73
11	Arsenic in soils and plants of woodland regenerated on an arsenic-contaminated substrate: A sustainable natural remediation?. <i>Science of the Total Environment</i> , 2007, 379, 256-262.	8.0	64
12	Factors affecting accumulation of thallium and other trace elements in two wild Brassicaceae spontaneously growing on soils contaminated by tailings dam waste. <i>Chemosphere</i> , 2007, 67, 20-28.	8.2	61
13	Copper-induced oxidative damage and enhanced antioxidant defenses in the root apex of maize cultivars differing in Cu tolerance. <i>Environmental and Experimental Botany</i> , 2009, 67, 415-420.	4.2	54
14	Trace elements, pH and organic matter evolution in contaminated soils under assisted natural remediation: A 4-year field study. <i>Journal of Hazardous Materials</i> , 2009, 162, 931-938.	12.4	49
15	Phytostabilization of semiarid soils residually contaminated with trace elements using by-products: Sustainability and risks. <i>Environmental Pollution</i> , 2011, 159, 3018-3027.	7.5	47
16	Three-year study of fast-growing trees in degraded soils amended with composts: Effects on soil fertility and productivity. <i>Journal of Environmental Management</i> , 2016, 169, 18-26.	7.8	45
17	River banks and channels as hotspots of soil pollution after large-scale remediation of a river basin. <i>Geoderma</i> , 2016, 261, 133-140.	5.1	44
18	Do amended, polluted soils require re-treatment for sustainable risk reduction? â� Evidence from field experiments. <i>Geoderma</i> , 2010, 159, 174-181.	5.1	40

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19	Long-term effects of organic amendments on bacterial and fungal communities in a degraded Mediterranean soil. <i>Geoderma</i> , 2018, 332, 20-28.	5.1	38
20	Long-Term Biomonitoring of Soil Contamination Using Poplar Trees: Accumulation of Trace Elements in Leaves and Fruits. <i>International Journal of Phytoremediation</i> , 2013, 15, 602-614.	3.1	37
21	Potential of <i>Eucalyptus camaldulensis</i> for phytostabilization and biomonitoring of trace-element contaminated soils. <i>PLoS ONE</i> , 2017, 12, e0180240.	2.5	36
22	Evaluation of pastures for horses grazing on soils polluted by trace elements. <i>Ecotoxicology</i> , 2009, 18, 417-428.	2.4	35
23	Evaluation of amendment addition and tree planting as measures to remediate contaminated soils: The Guadiamar case study (SW Spain). <i>Catena</i> , 2018, 166, 34-43.	5.0	35
24	By-products as amendment to improve biochemical properties of trace element contaminated soils: Effects in time. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 481-488.	3.9	34
25	Mercury and other trace elements in soils affected by the mine tailing spill in Aznalcázar (SW Spain). <i>Science of the Total Environment</i> , 2008, 390, 311-322.	8.0	33
26	Carbon Sequestration in Restored Soils by Applying Organic Amendments. <i>Land Degradation and Development</i> , 2016, 27, 620-629.	3.9	33
27	The potential of native species as bioenergy crops on trace-element contaminated Mediterranean lands. <i>Science of the Total Environment</i> , 2017, 590-591, 29-39.	8.0	33
28	Bioaccumulation of Trace Elements in a Wild Grass Three Years After the Aznalcázar Mine Spill (South Spain). <i>Environmental Monitoring and Assessment</i> , 2006, 114, 169-189.	2.7	32
29	Cadmium and Zinc in Vegetation and Litter of a Voluntary Woodland that has Developed on Contaminated Sediment-Derived Soil. <i>Journal of Environmental Quality</i> , 2007, 36, 1123-1131.	2.0	32
30	Traditional agricultural practices enable sustainable remediation of highly polluted soils in Southern Spain for cultivation of food crops. <i>Journal of Environmental Management</i> , 2011, 92, 1828-1836.	7.8	31
31	The response of wild olive to the addition of a fulvic acid-rich amendment to soils polluted by trace elements (SW Spain). <i>Journal of Arid Environments</i> , 2005, 63, 284-303.	2.4	28
32	Accumulation of As, Cd and selected trace elements in tubers of <i>Scirpus maritimus</i> L. from Doñana marshes (South Spain). <i>Chemosphere</i> , 2006, 64, 742-748.	8.2	27
33	Trace elements in wild grasses: a phytoavailability study on a remediated field. <i>Environmental Geochemistry and Health</i> , 2008, 30, 109-114.	3.4	25
34	Afforestation of a trace-element polluted area in SW Spain: woody plant performance and trace element accumulation. <i>European Journal of Forest Research</i> , 2010, 129, 47-59.	2.5	25
35	Assessment of trace element phytoavailability in compost amended soils using different methodologies. <i>Journal of Soils and Sediments</i> , 2017, 17, 1251-1261.	3.0	25
36	Native soil organic matter as a decisive factor to determine the arbuscular mycorrhizal fungal community structure in contaminated soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 327-338.	4.3	25

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37	Growth of <i>Populus alba</i> and its influence on soil trace element availability. <i>Science of the Total Environment</i> , 2013, 454-455, 337-347.	8.0	24
38	Novel energy crops for Mediterranean contaminated lands: Valorization of <i>Dittrichia viscosa</i> and <i>Silybum marianum</i> biomass by pyrolysis. <i>Chemosphere</i> , 2017, 186, 968-976.	8.2	24
39	Phytostabilization of Amended Soils Polluted with Trace Elements Using the Mediterranean Shrub: <i>Rosmarinus Officinalis</i> . <i>International Journal of Phytoremediation</i> , 2009, 11, 542-557.	3.1	23
40	Quality of trace element contaminated soils amended with compost under fast growing tree <i>Paulownia fortunei</i> plantation. <i>Journal of Environmental Management</i> , 2014, 144, 176-185.	7.8	23
41	Biosolids, mycorrhizal fungi and eucalypts for phytostabilization of arsenical sulphidic mine tailings. <i>Agroforestry Systems</i> , 2012, 84, 389-399.	2.0	22
42	Variation in morphological and chemical traits of Mediterranean tree roots: linkage with leaf traits and soil conditions. <i>Plant and Soil</i> , 2020, 449, 389-403.	3.7	22
43	Rehabilitation of waste rock piles: Impact of acid drainage on potential toxicity by trace elements in plants and soil. <i>Journal of Environmental Management</i> , 2021, 280, 111848.	7.8	21
44	Assisted Natural Remediation of a Trace Element-Contaminated Acid Soil: An Eight-Year Field Study. <i>Pedosphere</i> , 2015, 25, 250-262.	4.0	20
45	Soil chemical and biochemical properties under <i>Populus alba</i> growing: Three years study in trace element contaminated soils. <i>Applied Soil Ecology</i> , 2014, 73, 26-33.	4.3	19
46	In defence of plants as biomonitors of soil quality. <i>Environmental Pollution</i> , 2006, 143, 1-3.	7.5	18
47	Soil plant interactions of <i>Populus alba</i> in contrasting environments. <i>Journal of Environmental Management</i> , 2014, 132, 329-337.	7.8	18
48	Improving sustainability in the remediation of contaminated soils by the use of compost and energy valorization by <i>Paulownia fortunei</i> . <i>Science of the Total Environment</i> , 2016, 539, 401-409.	8.0	18
49	Thallium Accumulation in Floral Structures of <i>Hirschfeldia incana</i> (L.) LagrÃ¨ze-Fossat (Brassicaceae). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 1058-1064.	2.7	17
50	Arbuscular Mycorrhizal Fungi (AMF) and Biosolids Enhance the Growth of a Native Australian Grass on Sulphidic Gold Mine Tailings. <i>Restoration Ecology</i> , 2010, 18, 175-183.	2.9	17
51	Natural remediation of an unremediated soil twelve years after a mine accident: Trace element mobility and plant composition. <i>Journal of Environmental Management</i> , 2013, 114, 36-45.	7.8	17
52	Evaluation of phytostabilizer ability of three ruderal plants in mining soils restored by application of organic amendments. <i>Ecological Engineering</i> , 2015, 83, 431-436.	3.6	15
53	Pasture composition in a trace element-contaminated area: the particular case of Fe and Cd for grazing horses. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2031-2043.	2.7	14
54	Bioavailability and accumulation of trace elements in soils and plants of a highly contaminated estuary (Domingo Rubio tidal channel, SW Spain). <i>Environmental Geochemistry and Health</i> , 2009, 31, 629-642.	3.4	13

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55	Short rotation coppice of leguminous tree <i>Leucaena</i> spp. improves soil fertility while producing high biomass yields in Mediterranean environment. <i>Industrial Crops and Products</i> , 2020, 157, 112911.	5.2	13
56	Trace element-rich litter in soils: influence on biochemical properties related to the carbon cycle. <i>Journal of Soils and Sediments</i> , 2012, 12, 663-673.	3.0	12
57	Soil hydraulic properties as the main driver in the establishment of biomass crops in contaminated soils. <i>Journal of Environmental Management</i> , 2019, 233, 812-822.	7.8	11
58	Effects of soil contamination by trace elements on white poplar progeny: seed germination and seedling vigour. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 663.	2.7	10
59	Composting as Sustainable Managing Option for Seaweed Blooms on Recreational Beaches. <i>Waste and Biomass Valorization</i> , 2022, 13, 863-875.	3.4	10
60	Plant response to mycorrhizal inoculation and amendments on a contaminated soil. <i>Science of the Total Environment</i> , 2021, 789, 147943.	8.0	10
61	The snail <i>Theba pisana</i> as an indicator of soil contamination by trace elements: potential exposure for animals and humans. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 2259-2266.	3.5	9
62	Organic Compost to Improve Contaminated Soil Quality and Plant Fertility. <i>Soil Science</i> , 2016, 181, 487-493.	0.9	8
63	Thistle crops in marginal lands after compost addition: Plant biomass and effect on soil physical, chemical and biological properties. <i>Land Degradation and Development</i> , 2020, 31, 1167-1175.	3.9	7
64	Assessment of the phytoremediation effectiveness in the restoration of uranium mine tailings. <i>Ecological Engineering</i> , 2022, 180, 106669.	3.6	7
65	How the soil chemical composition is affected by seven tree species planted at a contaminated and remediated site. <i>Web Ecology</i> , 2015, 15, 45-48.	1.6	6
66	Seasonal and temporal evolution of nutrient composition of pastures grown on remediated and non remediated soils affected by trace element contamination (Guadamar Valley, SW Spain). <i>Spanish Journal of Agricultural Research</i> , 2010, 8, 729.	0.6	2
67	White poplar (<i>Populus alba</i> L.) - Litter impact on chemical and biochemical parameters related to nitrogen cycle in contaminated soils. <i>Forest Systems</i> , 2014, 23, 72.	0.3	1