

Eduardo Moreno-Jimnez

List of Publications by Citations

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66

papers

4,809

citations

29

h-index

69

g-index

72

ext. papers

5,417

ext. citations

7.2

avg, IF

5.72

L-index

#	Paper	IF	Citations
66	A review of biocharsUpotential role in the remediation, revegetation and restoration of contaminated soils. <i>Environmental Pollution</i> , 2011 , 159, 3269-82	9.3	1047
65	Effects of biochar and greenwaste compost amendments on mobility, bioavailability and toxicity of inorganic and organic contaminants in a multi-element polluted soil. <i>Environmental Pollution</i> , 2010 , 158, 2282-7	9.3	811
64	Efficiency of green waste compost and biochar soil amendments for reducing lead and copper mobility and uptake to ryegrass. <i>Journal of Hazardous Materials</i> , 2011 , 191, 41-8	12.8	390
63	Assessing the influence of compost and biochar amendments on the mobility and toxicity of metals and arsenic in a naturally contaminated mine soil. <i>Environmental Pollution</i> , 2014 , 186, 195-202	9.3	297
62	Biochar modification to enhance sorption of inorganics from water. <i>Bioresource Technology</i> , 2017 , 246, 34-47	11	288
61	Heavy metals distribution in soils surrounding an abandoned mine in NW Madrid (Spain) and their transference to wild flora. <i>Journal of Hazardous Materials</i> , 2009 , 162, 854-9	12.8	143
60	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. <i>Environmental Pollution</i> , 2010 , 158, 155-60	9.3	125
59	Iron-impregnated biochars as effective phosphate sorption materials. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 463-475	5.1	98
58	The fate of arsenic in soil-plant systems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2012 , 215, 1-37	3.5	94
57	Mercury bioaccumulation and phytotoxicity in two wild plant species of Almad� area. <i>Chemosphere</i> , 2006 , 63, 1969-73	8.4	87
56	Effects of biochar and activated carbon amendment on maize growth and the uptake and measured availability of polycyclic aromatic hydrocarbons (PAHs) and potentially toxic elements (PTEs). <i>Environmental Pollution</i> , 2014 , 193, 79-87	9.3	84
55	Effects of biochar amendment on root traits and contaminant availability of maize plants in a copper and arsenic impacted soil. <i>Plant and Soil</i> , 2014 , 379, 351-360	4.2	74
54	Availability and transfer to grain of As, Cd, Cu, Ni, Pb and Zn in a barley agri-system: Impact of biochar, organic and mineral fertilizers. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 219, 171-178	5.7	72
53	Arsenic and selenium mobilisation from organic matter treated mine spoil with and without inorganic fertilisation. <i>Environmental Pollution</i> , 2013 , 173, 238-44	9.3	69
52	Sprinkler irrigation of rice fields reduces grain arsenic but enhances cadmium. <i>Science of the Total Environment</i> , 2014 , 485-486, 468-473	10.2	66
51	Short and long-term uptake of Hg in white lupin plants:Kinetics and stress indicators. <i>Environmental and Experimental Botany</i> , 2008 , 62, 316-322	5.9	66
50	The fate of arsenic in soils adjacent to an old mine site (Bustarviejo, Spain): mobility and transfer to native flora. <i>Journal of Soils and Sediments</i> , 2010 , 10, 301-312	3.4	65

49	Field sampling of soil pore water to evaluate trace element mobility and associated environmental risk. <i>Environmental Pollution</i> , 2011 , 159, 3078-85	9.3	57
48	Bioavailability of metals and As from acidified multicontaminated soils: use of white lupin to validate several extraction methods. <i>Environmental Geochemistry and Health</i> , 2008 , 30, 193-8	4.7	56
47	Aridity and reduced soil micronutrient availability in global drylands. <i>Nature Sustainability</i> , 2019 , 2, 371-377.1	4.8	48
46	Geographical variation in inorganic arsenic in paddy field samples and commercial rice from the Iberian Peninsula. <i>Food Chemistry</i> , 2016 , 202, 356-63	8.5	46
45	Using Mediterranean shrubs for the phytoremediation of a soil impacted by pyritic wastes in Southern Spain: a field experiment. <i>Journal of Environmental Management</i> , 2011 , 92, 1584-90	7.9	43
44	Screening risk assessment tools for assessing the environmental impact in an abandoned pyritic mine in Spain. <i>Science of the Total Environment</i> , 2011 , 409, 692-703	10.2	37
43	Sorption separation of Eu and As from single-component systems by Fe-modified biochar: kinetic and equilibrium study. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 521-530	2	36
42	Arsenic- and mercury-induced phytotoxicity in the Mediterranean shrubs <i>Pistacia lentiscus</i> and <i>Tamarix gallica</i> grown in hydroponic culture. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 1781-9	7	36
41	Phytostabilisation with Mediterranean shrubs and liming improved soil quality in a pot experiment with a pyrite mine soil. <i>Journal of Hazardous Materials</i> , 2012 , 201-202, 52-9	12.8	34
40	Mercury accumulation and resistance to mercury stress in <i>Rumex induratus</i> and <i>Marrubium vulgare</i> grown in perlite. <i>Journal of Plant Nutrition and Soil Science</i> , 2007 , 170, 485-494	2.3	33
39	Comparison of arsenic resistance in Mediterranean woody shrubs used in restoration activities. <i>Chemosphere</i> , 2008 , 71, 466-73	8.4	31
38	<i>Atriplex atacamensis</i> and <i>Atriplex halimus</i> resist As contamination in Pre-Andean soils (northern Chile). <i>Science of the Total Environment</i> , 2013 , 450-451, 188-96	10.2	30
37	Designing biochar properties through the blending of biomass feedstock with metals: Impact on oxyanions adsorption behavior. <i>Chemosphere</i> , 2019 , 214, 743-753	8.4	29
36	Iron plaque formed under aerobic conditions efficiently immobilizes arsenic in <i>Lupinus albus</i> L roots. <i>Environmental Pollution</i> , 2016 , 216, 215-222	9.3	27
35	Rice Grain Cadmium Concentrations in the Global Supply-Chain. <i>Exposure and Health</i> , 2020 , 12, 869-876	8.8	26
34	Aided phytostabilisation of As- and Cu-contaminated soils using white lupin and combined iron and organic amendments. <i>Journal of Environmental Management</i> , 2018 , 205, 142-150	7.9	23
33	Global Sourcing of Low-Inorganic Arsenic Rice Grain. <i>Exposure and Health</i> , 2020 , 12, 711-719	8.8	22
32	Assessing the combination of iron sulfate and organic materials as amendment for an arsenic and copper contaminated soil. A chemical and ecotoxicological approach. <i>Chemosphere</i> , 2016 , 165, 539-546	8.4	22

31	Mycorrhizal limonium sinuatum (L.) mill. Enhances accumulation of lead and cadmium. <i>International Journal of Phytoremediation</i> , 2015 , 17, 556-62	3.9	21
30	Efficiency of organic and mineral based amendments to reduce metal[loid]mobility and uptake (Lolium perenne) from a pyrite-waste contaminated soil. <i>Journal of Geochemical Exploration</i> , 2017 , 174, 46-52	3.8	19
29	Hydroponics as a valid tool to assess arsenic availability in mine soils. <i>Chemosphere</i> , 2010 , 79, 513-7	8.4	18
28	Implications of chloride-enhanced cadmium uptake in saline agriculture: modeling cadmium uptake by maize and tobacco. <i>International Journal of Environmental Science and Technology</i> , 2012 , 9, 69-77	3.3	17
27	Inorganic species of arsenic in soil solution determined by microcartridges and ferrihydrite-based diffusive gradient in thin films (DGT). <i>Talanta</i> , 2013 , 104, 83-9	6.2	17
26	Effect of Lupinus albus L. root activities on As and Cu mobility after addition of iron-based soil amendments. <i>Chemosphere</i> , 2017 , 182, 373-381	8.4	16
25	The Preservation and Interpretation of $\delta^{45}\text{S}$ Values in Charred Archaeobotanical Remains. <i>Archaeometry</i> , 2019 , 61, 161-178	1.6	16
24	Application of Biochar for Soil Remediation. <i>SSSA Special Publication Series</i> , 2015 , 295-324	0	16
23	Mobility and toxicity of heavy metal(loid)s arising from contaminated wood ash application to a pasture grassland soil. <i>Environmental Pollution</i> , 2016 , 218, 419-427	9.3	15
22	Localized Intensification of Arsenic Release within the Emergent Rice Rhizosphere. <i>Environmental Science & Technology</i> , 2020 , 54, 3138-3147	10.3	14
21	Feasibility of arsenic phytostabilisation using Mediterranean shrubs: impact of root mineralisation on As availability in soils. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1375-80		14
20	Co-application of activated carbon and compost to contaminated soils: toxic elements mobility and PAH degradation and availability. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 1057-1068	3.3	12
19	Natural attenuation of residual heavy metal contamination in soils affected by the Aznalcollar mine spill, SW Spain. <i>Journal of Environmental Management</i> , 2011 , 92, 2069-75	7.9	12
18	(Im)mobilization of arsenic, chromium, and nickel in soils via biochar: A meta-analysis. <i>Environmental Pollution</i> , 2021 , 286, 117199	9.3	12
17	Aided phytostabilisation over two years using iron sulphate and organic amendments: Effects on soil quality and rye production. <i>Chemosphere</i> , 2020 , 240, 124827	8.4	11
16	Biocrusts buffer against the accumulation of soil metallic nutrients induced by warming and rainfall reduction. <i>Communications Biology</i> , 2020 , 3, 325	6.7	8
15	Review on the interactions of arsenic, iron (oxy)(hydr)oxides, and dissolved organic matter in soils, sediments, and groundwater in a ternary system. <i>Chemosphere</i> , 2022 , 286, 131790	8.4	8
14	Automatic flow-through dynamic extraction: A fast tool to evaluate char-based remediation of multi-element contaminated mine soils. <i>Talanta</i> , 2016 , 148, 686-93	6.2	7

13	Effect of Physical and Chemical Activation on Arsenic Sorption Separation by Grape Seeds-Derived Biochar. <i>Separations</i> , 2018 , 5, 59	3.1	7
12	Mobility of arsenic, chromium and copper arising from soil application of stabilised aggregates made from contaminated wood ash. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122479	12.8	6
11	Transplanting the leafy liverwort <i>Herbertus hutchinsiae</i> : a suitable conservation tool to maintain oceanic-montane liverwort-rich heath?. <i>Plant Ecology and Diversity</i> , 2016 , 9, 175-185	2.2	5
10	Evidence of a new Hg-tolerant ecotype of <i>Rumex induratus</i> from Almad�n (Ciudad Real, Spain). <i>Plant Biosystems</i> , 2014 , 148, 58-63	1.6	5
9	Complementary assessment of As, Cu and Zn environmental availability in a stabilised contaminated soil using large-bore column leaching, automatic microcolumn extraction and DGT analysis. <i>Science of the Total Environment</i> , 2019 , 690, 217-225	10.2	4
8	The effect of biochar amendments on phenanthrene sorption, desorption and mineralisation in different soils. <i>PeerJ</i> , 2018 , 6, e5074	3.1	4
7	Soil element coupling is driven by ecological context and atomic mass. <i>Ecology Letters</i> , 2021 , 24, 319-326	6.0	4
6	Influence of Pyrolyzed Grape-Seeds/Sewage Sludge Blends on the Availability of P, Fe, Cu, As and Cd to Maize. <i>Agronomy</i> , 2019 , 9, 406	3.6	3
5	Carbon and Metal(loid)s in Parkland and Road Verge Surface Soils in the City of Liverpool, UK. <i>Agronomy</i> , 2020 , 10, 335	3.6	2
4	Soil Factors Controlling Arsenic Availability for <i>Silene vulgaris</i> . <i>Communications in Soil Science and Plant Analysis</i> , 2013 , 44, 2152-2167	1.5	1
3	Effects of microplastics on crop nutrition in fertile soils and interaction with arbuscular mycorrhizal fungi		1
2	Engineered Pyrogenic Materials as Tools to Affect Arsenic Mobility in Old Mine Site Soil of Mediterranean Region. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 104, 265-272	2.7	1
1	Synergistic effects of biochar and biostimulants on nutrient and toxic element uptake by pepper in contaminated soils. <i>Journal of the Science of Food and Agriculture</i> , 2022 , 102, 167-174	4.3	0