

Francisco Jos Martn Peinado

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76
papers

1,722
citations

26
h-index

38
g-index

84
ext. papers

1,949
ext. citations

5
avg, IF

4.73
L-index

#	Paper	IF	Citations
76	Soil pollution by oxidation of tailings from toxic spill of a pyrite mine. <i>Science of the Total Environment</i> , 2001 , 279, 63-74	10.2	98
75	Soil pollution by a pyrite mine spill in Spain: evolution in time. <i>Environmental Pollution</i> , 2004 , 132, 395-401	10.3	95
74	A rapid field procedure for screening trace elements in polluted soil using portable X-ray fluorescence (PXRF). <i>Geoderma</i> , 2010 , 159, 76-82	6.7	93
73	Determination of phytotoxicity of soluble elements in soils, based on a bioassay with lettuce (<i>Lactuca sativa</i> L.). <i>Science of the Total Environment</i> , 2007 , 378, 63-6	10.2	87
72	Toxicity of arsenic in relation to soil properties: implications to regulatory purposes. <i>Journal of Soils and Sediments</i> , 2014 , 14, 968-979	3.4	62
71	Effects of aging and soil properties on zinc oxide nanoparticle availability and its ecotoxicological effects to the earthworm <i>Eisenia andrei</i> . <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 137-146	3.8	59
70	Interaction of limestone grains and acidic solutions from the oxidation of pyrite tailings. <i>Environmental Pollution</i> , 2005 , 135, 65-72	9.3	59
69	Toxicity assessment using <i>Lactuca sativa</i> L. bioassay of the metal(loid)s As, Cu, Mn, Pb and Zn in soluble-in-water saturated soil extracts from an abandoned mining site. <i>Journal of Soils and Sediments</i> , 2011 , 11, 281-289	3.4	57
68	Evaluation of remediation techniques in soils affected by residual contamination with heavy metals and arsenic. <i>Journal of Environmental Management</i> , 2017 , 191, 228-236	7.9	54
67	Decalcifying effect of 15% EDTA, 15% citric acid, 5% phosphoric acid and 2.5% sodium hypochlorite on root canal dentine. <i>International Endodontic Journal</i> , 2008 , 41, 418-23	5.4	54
66	Effect of soil properties on the toxicity of Pb: assessment of the appropriateness of guideline values. <i>Journal of Hazardous Materials</i> , 2015 , 289, 46-53	12.8	46
65	Environmental impact of introducing plant covers in the taluses of terraces: Implications for mitigating agricultural soil erosion and runoff. <i>Catena</i> , 2011 , 84, 79-88	5.8	41
64	Use of liming in the remediation of soils polluted by sulphide oxidation: a leaching-column study. <i>Journal of Hazardous Materials</i> , 2010 , 180, 241-6	12.8	41
63	Long-term toxicity assessment of soils in a recovered area affected by a mining spill. <i>Environmental Pollution</i> , 2016 , 208, 553-61	9.3	34
62	Long-term contamination in a recovered area affected by a mining spill. <i>Science of the Total Environment</i> , 2015 , 514, 219-23	10.2	31
61	Migration of Trace Elements from Pyrite Tailings in Carbonate Soils. <i>Journal of Environmental Quality</i> , 2002 , 31, 829	3.4	31
60	Ambient trace element background concentrations in soils and their use in risk assessment. <i>Science of the Total Environment</i> , 2009 , 407, 4622-32	10.2	30

59	Effect of soil organic matter on antimony bioavailability after the remediation process. <i>Environmental Pollution</i> , 2017 , 228, 425-432	9.3	29
58	Soil-carbon sequestration and soil-carbon fractions, comparison between poplar plantations and corn crops in south-eastern Spain. <i>Soil and Tillage Research</i> , 2013 , 130, 1-6	6.5	29
57	Pollution of carbonate soils in a Mediterranean climate due to a tailings spill. <i>European Journal of Soil Science</i> , 2002 , 53, 321-330	3.4	29
56	Mobility of Arsenic and Heavy Metals in a Sandy-Loam Textured and Carbonated Soil . <i>Pedosphere</i> , 2009 , 19, 166-175	5	28
55	Litter decomposition and nitrogen release in a sloping Mediterranean subtropical agroecosystem on the coast of Granada (SE, Spain): Effects of floristic and topographic alteration on the slope. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 134, 79-88	5.7	27
54	Weathering of primary minerals and mobility of major elements in soils affected by an accidental spill of pyrite tailing. <i>Science of the Total Environment</i> , 2007 , 378, 49-52	10.2	27
53	Thallium Behavior in Soils Polluted by Pyrite Tailings (Aznalcóllar, Spain). <i>Soil and Sediment Contamination</i> , 2004 , 13, 25-36	3.2	27
52	Soil evolution over the Quaternary period in a Mediterranean climate (SE Spain). <i>Catena</i> , 2002 , 48, 131-148	4.8	27
51	Influence of soil properties on the bioaccumulation and effects of arsenic in the earthworm <i>Eisenia andrei</i> . <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15016-28	5.1	26
50	Residual pollution and vegetation distribution in amended soils 20 years after a pyrite mine tailings spill (Aznalcóllar, Spain). <i>Science of the Total Environment</i> , 2019 , 650, 933-940	10.2	26
49	Is soil basal respiration a good indicator of soil pollution?. <i>Geoderma</i> , 2016 , 263, 132-139	6.7	25
48	The use of a combined portable X ray fluorescence and multivariate statistical methods to assess a validated macroscopic rock samples classification in an ore exploration survey. <i>Talanta</i> , 2011 , 85, 2307-15	6.2	23
47	Afforestation improves soil fertility in south-eastern Spain. <i>European Journal of Forest Research</i> , 2010 , 129, 707-717	2.7	23
46	Arsenic Contamination in Soils Affected by a Pyrite-mine Spill (Aznalcóllar, SW Spain). <i>Water, Air, and Soil Pollution</i> , 2007 , 180, 271-281	2.6	23
45	Remediation measures and displacement of pollutants in soils affected by the spill of a pyrite mine. <i>Science of the Total Environment</i> , 2008 , 407, 23-39	10.2	21
44	Soil alteration by continued oxidation of pyrite tailings. <i>Applied Geochemistry</i> , 2008 , 23, 1152-1165	3.5	21
43	Remediation of As-Contaminated Soils in the Guadiamar River Basin (SW, Spain). <i>Water, Air, and Soil Pollution</i> , 2007 , 180, 109-118	2.6	21
42	Trace element concentrations and background values in the arid soils of Hormozgan Province of southern Iran. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 1125-1143	2	20

41	Organic olive farming in Andalusia, Spain. A review. <i>Agronomy for Sustainable Development</i> , 2018 , 38, 1	6.8	19
40	Serpentine and chlorite as effective Ni-Cu sinks during weathering of the Aguablanca sulphide deposit (SW Spain). TEM evidence for metal-retention mechanisms in sheet silicates. <i>European Journal of Mineralogy</i> , 2011 , 23, 179-196	2.2	17
39	Soil-vegetation relationships in semi-arid Mediterranean old fields (SE Spain): Implications for management. <i>Journal of Arid Environments</i> , 2010 , 74, 1525-1533	2.5	16
38	Background arsenic concentrations in Southeastern Spanish soils. <i>Science of the Total Environment</i> , 2007 , 378, 5-12	10.2	16
37	Long-term Effects of Pine Plantations on Soil Quality in Southern Spain. <i>Land Degradation and Development</i> , 2016 , 27, 1709-1720	4.4	16
36	Application of fuzzy logic approach for wind erosion hazard mapping in Laghouat region (Algeria) using remote sensing and GIS. <i>Aeolian Research</i> , 2018 , 32, 24-34	3.9	15
35	Soil-color changes by sulfurization induced from a pyritic surface sediment. <i>Catena</i> , 2015 , 135, 173-183	5.8	14
34	Application of remediation techniques for immobilization of metals in soils contaminated by a pyrite tailing spill in Spain. <i>Soil Use and Management</i> , 2004 , 20, 451-453	3.1	14
33	The role of organic amendment in soils affected by residual pollution of potentially harmful elements. <i>Chemosphere</i> , 2019 , 237, 124549	8.4	13
32	Land-use changes in a small watershed in the Mediterranean landscape (SE Spain): environmental implications of a shift towards subtropical crops. <i>Journal of Land Use Science</i> , 2013 , 8, 47-58	2.7	13
31	Mobility of iridium in terrestrial environments: Implications for the interpretation of impact-related mass-extinctions. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 4531-4542	5.5	13
30	Migration of trace elements from pyrite tailings in carbonate soils. <i>Journal of Environmental Quality</i> , 2002 , 31, 829-35	3.4	13
29	Effectiveness of ecotoxicological tests in relation to physicochemical properties of Zn and Cu polluted Mediterranean soils. <i>Geoderma</i> , 2019 , 338, 259-268	6.7	12
28	Mineralogy and Characteristics of Soils Developed on Persian Gulf and Oman Sea Basin, Southern Iran. <i>Soil Science</i> , 2013 , 178, 568-584	0.9	9
27	Distribution of As and Zn in Soils Affected by the Spill of a Pyrite Mine and Effectiveness of the Remediation Measures. <i>Water, Air, and Soil Pollution</i> , 2009 , 198, 77-85	2.6	9
26	Evolution of the Residual Pollution in Soils after Bioremediation Treatments. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1006	2.6	8
25	The environmental disaster of Aznalcóllar (southern Spain) as an approach to the Cretaceous-Palaeogene mass extinction event. <i>Geobiology</i> , 2009 , 7, 533-43	4.3	8
24	Effect of grain size and heavy metals on As immobilization by marble particles. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6835-41	5.1	7

23	Remediation of Pb-Contaminated Soils in the Guadiamar River Basin (SW Spain). <i>Water, Air, and Soil Pollution</i> , 2004 , 151, 323-333	2.6	7
22	Restoration of Gypsicolous Vegetation on Quarry Slopes: Guidance for Hydroseeding under Contrasting Inclination and Aspect. <i>Land Degradation and Development</i> , 2017 , 28, 2146-2154	4.4	6
21	Trace metal(loid) mobility in waste deposits and soils around Chadak mining area, Uzbekistan. <i>Science of the Total Environment</i> , 2018 , 622-623, 1658-1667	10.2	6
20	Efecto de la calidad de la materia orgánica asociada con el uso y manejo de suelos en la retención de cadmio en sistemas altoandinos de Colombia. <i>Acta Agronomica</i> , 2014 , 63, 164-174	0.4	6
19	Arsenic Fixation in Polluted Soils by Peat Applications. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 968	2.4	5
18	Adsorción de metales pesados en Andisoles, Vertisoles y suelos hídricos. <i>Acta Agronomica</i> , 2014 , 64, 61-71	0.4	5
17	Modelling wind-erosion risk in the Laghouat region (Algeria) using geomatics approach. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	4
16	Researching Protected Geosites: In Situ and Non-Destructive Analysis of Mass-Extinction Bioevents. <i>Geoheritage</i> , 2016 , 8, 351-357	2.6	3
15	Lateral and vertical variations in contaminated sediments from the Tinto River area (Huelva, SW Spain): Incidence on tracer activity and implications of the palaeontological approach. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 414, 426-437	2.9	3
14	Assessment of the Critical Load of Trace Elements in Soils Polluted by Pyrite tailings. A Laboratory Experiment. <i>Water, Air, and Soil Pollution</i> , 2009 , 199, 381-387	2.6	3
13	Site formation processes and urban transformations during Late Antiquity from a high-resolution geoarchaeological perspective: Baelo Claudia, Spain. <i>Geoarchaeology - an International Journal</i> , 2020 , 35, 258-286	1.4	3
12	A review of the world's soil museums and exhibitions. <i>Advances in Agronomy</i> , 2021 , 166, 277-304	7.7	3
11	A quick methodology for the evaluation of preliminary toxicity levels in soil samples associated to a potentially heavy-metal pollution in an abandoned ore mining site. <i>Chemosphere</i> , 2019 , 222, 345-354	8.4	2
10	Spectral signs of aeolian activity around a sand-dune belt in northern Algeria. <i>Catena</i> , 2019 , 182, 104175-8	5.8	2
9	Extracción secuencial de metales pesados en dos suelos contaminados (Andisol y Vertisol) enmendados con suelos hídricos. <i>Acta Agronomica</i> , 2016 , 65, 232-238	0.4	2
8	Fóforo remanescente em solos formados sob diferentes materiais de origem em três toposequências, Pinheiral- RJ. <i>Semina: Ciências Agrárias</i> , 2013 , 34, 2089	0.6	1
7	Application of remediation techniques for immobilization of metals in soils contaminated by a pyrite tailing spill in Spain. <i>Soil Use and Management</i> , 2006 , 20, 451-453	3.1	1
6	Evaluación de la recuperación de suelos contaminados por el vertido de Aznalcóbar. <i>Acta Agronomica</i> , 2014 , 64, 156-164	0.4	1

5	Long-term assessment of remediation treatments applied to an area affected by a mining spill in Spain. <i>Land Degradation and Development</i> , 2021 , 32, 2481-2492	4.4	1
4	Melting, bathing and melting again. Urban transformation processes of the Roman city of Munigua: the public thermae. <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 51-67	1.8	1
3	Human health risks associated with urban soils in mining areas.. <i>Environmental Research</i> , 2021 , 206, 1125-114	1.4	0
2	Application of Biochar for the Restoration of Metal(loid)s Contaminated Soils. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1918	2.6	
1	A Third Century AD Extreme Wave Event Identified in a Collapse Facies of a Public Building in the Roman City of Hispalis (Seville, Spain). <i>Natural Science in Archaeology</i> , 2022 , 267-311	0.4	