Francisco JosÃ© MartÃ-n Peinado

List of Publications by Year
in descending order

81 papers	2,226 citations	172386 29 h-index	243529 44 g-index
84 all docs	84 docs citations	84 times ranked	2665 citing authors

#	Article	IF	Citations
1	Soil pollution by oxidation of tailings from toxic spill of a pyrite mine. Science of the Total Environment, 2001, 279, 63-74.	3.9	115
2	Soil pollution by a pyrite mine spill in Spain: evolution in time. Environmental Pollution, 2004, 132, 395-401.	3.7	108
3	A rapid field procedure for screening trace elements in polluted soil using portable X-ray fluorescence (PXRF). Geoderma, 2010, 159, 76-82.	2.3	103
4	Determination of phytotoxicity of soluble elements in soils, based on a bioassay with lettuce (Lactuca) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.9	99
5	Toxicity assessment using Lactuca sativa 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. Journal of Soils and Sediments, 2011, 11, 281-289.	1.5	79
6	Evaluation of remediation techniques in soils affected by residual contamination with heavy metals and arsenic. Journal of Environmental Management, 2017, 191, 228-236.	3.8	77
7	Effects of aging and soil properties on zinc oxide nanoparticle availability and its ecotoxicological effects to the earthworm Eisenia andrei. Environmental Toxicology and Chemistry, 2017, 36, 137-146.	2.2	72
8	Interaction of limestone grains and acidic solutions from the oxidation of pyrite tailings. Environmental Pollution, 2005, 135, 65-72.	3.7	71
9	Toxicity of arsenic in relation to soil properties: implications to regulatory purposes. Journal of Soils and Sediments, 2014, 14, 968-979.	1.5	71
10	Decalcifying effect of 15% EDTA, 15% citric acid, 5% phosphoric acid and 2.5% sodium hypochlorite on root canal dentine. International Endodontic Journal, 2008, 41, 418-423.	2.3	68
11	Effect of soil properties on the toxicity of Pb: Assessment of the appropriateness of guideline values. Journal of Hazardous Materials, 2015, 289, 46-53.	6.5	67
12	Environmental impact of introducing plant covers in the taluses of terraces: Implications for mitigating agricultural soil erosion and runoff. Catena, 2011, 84, 79-88.	2.2	53
13	Use of liming in the remediation of soils polluted by sulphide oxidation: A leaching-column study. Journal of Hazardous Materials, 2010, 180, 241-246.	6.5	48
14	Effect of soil organic matter on antimony bioavailability after the remediation process. Environmental Pollution, 2017, 228, 425-432.	3.7	47
15	Residual pollution and vegetation distribution in amended soils 20â€¯years after a pyrite mine tailings spill (AznalcÃ³llar, Spain). Science of the Total Environment, 2019, 650, 933-940.	3.9	43
16	Long-term contamination in a recovered area affected by a mining spill. Science of the Total Environment, 2015, 514, 219-223.	3.9	40
17	Long-term toxicity assessment of soils in a recovered area affected by a mining spill. Environmental Pollution, 2016, 208, 553-561.	3.7	40
18	Ambient trace element background concentrations in soils and their use in risk assessment. Science of the Total Environment, 2009, 407, 4622-4632.	3.9	38

#	Article	IF	Citations
19	Is soil basal respiration a good indicator of soil pollution?. Geoderma, 2016, 263, 132-139.	2.3	38
20	Pollution of carbonate soils in a Mediterranean climate due to a tailings spill. European Journal of Soil Science, 2002, 53, 321-330.	1.8	36
21	Influence of soil properties on the bioaccumulation and effects of arsenic in the earthworm Eisenia andrei. Environmental Science and Pollution Research, 2015, 22, 15016-15028.	2.7	36
22	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. Agriculture, Ecosystems and Environment, 2009, 134, 79-88.	2.5	34
23	Mobility of Arsenic and Heavy Metals in a Sandy-Loam Textured and Carbonated Soil. Pedosphere, 2009, 19, 166-175.	2.1	34
24	Soil-carbon sequestration and soil-carbon fractions, comparison between poplar plantations and corn crops in south-eastern Spain. Soil and Tillage Research, 2013, 130, 1-6.	2.6	34
25	Thallium Behavior in Soils Polluted by Pyrite Tailings (AznalcÃ³llar, Spain). Soil and Sediment Contamination, 2004, 13, 25-36.	1.1	32
26	Soil evolution over the Quaternary period in a Mediterranean climate (SE Spain). Catena, 2002, 48, 131-148.	2.2	31
27	Migration of Trace Elements from Pyrite Tailings in Carbonate Soils. Journal of Environmental Quality, 2002, 31, 829.	1.0	31
28	Weathering of primary minerals and mobility of major elements in soils affected by an accidental spill of pyrite tailing. Science of the Total Environment, 2007, 378, 49-52.	3.9	31
29	Afforestation improves soil fertility in south-eastern Spain. European Journal of Forest Research, 2010, 129, 707-717.	1.1	31
30	Organic olive farming in Andalusia, Spain. A review. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	30
31	Arsenic Contamination in Soils Affected by a Pyrite-mine Spill (AznalcÃ³llar, SW Spain). Water, Air, and Soil Pollution, 2007, 180, 271-281.	1.1	27
32	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. Talanta, 2011, 85, 2307-2315.	2.9	27
33	Soil alteration by continued oxidation of pyrite tailings. Applied Geochemistry, 2008, 23, 1152-1165.	1.4	26
34	Trace element concentrations and background values in the arid soils of Hormozgan Province of southern Iran. Archives of Agronomy and Soil Science, 2014, 60, 1125-1143.	1.3	26
35	Remediation of As-Contaminated Soils in the Guadiamar River Basin (SW, Spain). Water, Air, and Soil Pollution, 2007, 180, 109-118.	1.1	24
36	Remediation measures and displacement of pollutants in soils affected by the spill of a pyrite mine. Science of the Total Environment, 2008, 407, 23-39.	3.9	24

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37	Soilâ€“vegetation relationships in semi-arid Mediterranean old fields (SE Spain): Implications for management. Journal of Arid Environments, 2010, 74, 1525-1533.	1.2	24
38	Background arsenic concentrations in Southeastern Spanish soils. Science of the Total Environment, 2007, 378, 5-12.	3.9	23
39	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. European Journal of Mineralogy, 2011, 23, 179-196.	0.4	23
40	Application of fuzzy logic approach for wind erosion hazard mapping in Laghouat region (Algeria) using remote sensing and GIS. Aeolian Research, 2018, 32, 24-34.	1.1	23
41	Migration of Trace Elements from Pyrite Tailings in Carbonate Soils. Journal of Environmental Quality, 2002, 31, 829-835.	1.0	20
42	Longâ€term Effects of Pine Plantations on Soil Quality in Southern Spain. Land Degradation and Development, 2016, 27, 1709-1720.	1.8	20
43	Land-use changes in a small watershed in the Mediterranean landscape (SE Spain): environmental implications of a shift towards subtropical crops. Journal of Land Use Science, 2013, 8, 47-58.	1.0	19
44	The role of organic amendment in soils affected by residual pollution of potentially harmful elements. Chemosphere, 2019, 237, 124549.	4.2	19
45	Effectiveness of ecotoxicological tests in relation to physicochemical properties of Zn and Cu polluted Mediterranean soils. Geoderma, 2019, 338, 259-268.	2.3	19
46	Soil-color changes by sulfuricization induced from a pyritic surface sediment. Catena, 2015, 135, 173-183.	2.2	18
47	Mobility of iridium in terrestrial environments: Implications for the interpretation of impact-related mass-extinctions. Geochimica Et Cosmochimica Acta, 2010, 74, 4531-4542.	1.6	17
48	Application of remediation techniques for immobilization of metals in soils contaminated by a pyrite tailing spill in Spain. Soil Use and Management, 2004, 20, 451-453.	2.6	14
49	Mineralogy and Characteristics of Soils Developed on Persian Gulf and Oman Sea Basin, Southern Iran. Soil Science, 2013, 178, 568-584.	0.9	13
50	Evolution of the Residual Pollution in Soils after Bioremediation Treatments. Applied Sciences (Switzerland), 2020, 10, 1006.	1.3	13
51	Distribution of As and Zn in Soils Affected by the Spill of a Pyrite Mine and Effectiveness of the Remediation Measures. Water, Air, and Soil Pollution, 2009, 198, 77-85.	1.1	11
52	Efecto de la calidad de la materia orgÃ¡nica asociada con el uso y manejo de suelos en la retenciÃ³n de cadmio en sistemas altoandinos de Colombia. Acta Agronomica, 2014, 63, 164-174.	0.0	11
53	Restoration of Gypsicolous Vegetation on Quarry Slopes: Guidance for Hydroseeding under Contrasting Inclination and Aspect. Land Degradation and Development, 2017, 28, 2146-2154.	1.8	11
54	Remediation of Pb-Contaminated Soils in the Guadiamar River Basin (SW Spain). Water, Air, and Soil Pollution, 2004, 151, 323-333.	1.1	10

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55	Trace metal(loid) mobility in waste deposits and soils around Chadak mining area, Uzbekistan. Science of the Total Environment, 2018, 622-623, 1658-1667.	3.9	10
56	The environmental disaster of AznalcÃ³llar (southern Spain) as an approach to the Cretaceousâ€“Palaeogene mass extinction event. Geobiology, 2009, 7, 533-543.	1.1	9
57	Human health risks associated with urban soils in mining areas. Environmental Research, 2022, 206, 112514.	3.7	9
58	Effect of grain size and heavy metals on As immobilization by marble particles. Environmental Science and Pollution Research, 2015, 22, 6835-6841.	2.7	8
59	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. Chemosphere, 2019, 222, 345-354.	4.2	8
60	Arsenic Fixation in Polluted Soils by Peat Applications. Minerals (Basel, Switzerland), 2020, 10, 968.	0.8	8
61	Site formation processes and urban transformations during Late Antiquity from a highâ€resolution geoarchaeological perspective: Baelo Claudia, Spain. Geoarchaeology - an International Journal, 2020, 35, 258-286.	0.7	7
62	Modelling wind-erosion risk in the Laghouat region (Algeria) using geomatics approach. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
63	Spectral signs of aeolian activity around a sand-dune belt in northern Algeria. Catena, 2019, 182, 104175.	2.2	6
64	A review of the world's soil museums and exhibitions. Advances in Agronomy, 2021, 166, 277-304.	2.4	6
65	Mineralogical association and geochemistry of potentially toxic elements in urban soils under the influence of mining. Catena, 2022, 217, 106517.	2.2	6
66	Longâ€term assessment of remediation treatments applied to an area affected by a mining spill in Spain. Land Degradation and Development, 2021, 32, 2481-2492.	1.8	5
67	AdsorciÃ³n de metales pesados en Andisoles, Vertisoles y Ã¡cidos hÃºmicos. Acta Agronomica, 2014, 64, 61-71.	0.0	5
68	Application of remediation techniques for immobilization of metals in soils contaminated by a pyrite tailing spill in Spain. Soil Use and Management, 2004, 20, 451-453.	2.6	4
69	Lateral and vertical variations in contaminated sediments from the Tinto River area (Huelva, SW) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 414, 426-437.	1.0	4
70	ExtracciÃ³n secuencial de metales pesados en dos suelos contaminados (Andisol y Vertisol) enmendados con Ã¡cidos hÃºmicos. Acta Agronomica, 2016, 65, 232-238.	0.0	4
71	Researching Protected Geosites: In Situ and Non-Destructive Analysis of Mass-Extinction Bioevents. Geoheritage, 2016, 8, 351-357.	1.5	4
72	Melting, bathing and melting again. Urban transformation processes of the Roman city of Munigua: the public thermae. Archaeological and Anthropological Sciences, 2019, 11, 51-67.	0.7	4

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73	Assessment of the Critical Load of Trace Elements in Soils Polluted by Pyrite tailings. A Laboratory Experiment. Water, Air, and Soil Pollution, 2009, 199, 381-387.	1.1	3
74	Assessment of arsenic toxicity in spiked soils and water solutions by the use of bioassays .. Spanish Journal of Soil Science, 0, 2, .	0.0	3
75	Application of Biochar for the Restoration of Metal(loid)s Contaminated Soils. Applied Sciences (Switzerland), 2022, 12, 1918.	1.3	3
76	The Argaric Pottery from Burial at PeÃ±alosa (JaÃ©n, Spain). Documenta Praehistorica, 0, 47, 330-347.	1.0	2
77	FÃ³sforo remanescente em solos formados sob diferentes materiais de origem em trÃªs topossequÃªncias, Pinheiral- RJ. Semina:Ciencias Agrarias, 2013, 34, 2089.	0.1	1
78	EvaluaciÃ³n de la recuperaciÃ³n de suelos contaminados por el vertido de AznalcÃ³llar. Acta Agronomica, 2014, 64, 156-164.	0.0	1
79	Evaluation of Soil Evolution After a Fire in the Southeast of Spain: A Multiproxy Approach. Spanish Journal of Soil Science, 0, 11, .	0.0	1
80	Land degradation and sand dynamics in a steppe region (NÃ¢ama, south-western Algeria). Spanish Journal of Soil Science, 0, 7, .	0.0	0
81	POTTERY GRAVE GOODS FROM FUNERARY CONTEXTS AT THE ARGARIC SITE OF PEÃ‘ALOSA (JAÃ‰N). A METHODOLOGICAL APPROACH. Journal of Ancient History and Archaeology, 2020, 7, .	0.0	0