Mariano SimÃ³n

List of Publications by Year
in descending order

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42 papers	1,433 citations	304602 22 h-index	330025 37 g-index
42 all docs	42 docs citations	42 times ranked	1484 citing authors

#	Article	IF	Citations
1	Immobilization of heavy metals in polluted soils by the addition of zeolitic material synthesized from coal fly ash. Chemosphere, 2006, 62, 171-180.	4.2	170
2	Pollution of soils by the toxic spill of a pyrite mine (Aznalcollar, Spain). Science of the Total Environment, 1999, 242, 105-115.	3.9	144
3	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
4	Soil pollution by a pyrite mine spill in Spain: evolution in time. Environmental Pollution, 2004, 132, 395-401.	3.7	108
5	Interaction of limestone grains and acidic solutions from the oxidation of pyrite tailings. Environmental Pollution, 2005, 135, 65-72.	3.7	71
6	Fibrous-clay mineral formation and soil evolution in Aridisols of northeastern Patagonia, Argentina. Geoderma, 2007, 139, 38-50.	2.3	60
7	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
8	Effectiveness of amendments on the spread and phytotoxicity of contaminants in metalâ€“arsenic polluted soil. Journal of Hazardous Materials, 2012, 205-206, 72-80.	6.5	48
9	Long-term contamination in a recovered area affected by a mining spill. Science of the Total Environment, 2015, 514, 219-223.	3.9	40
10	Long-term toxicity assessment of soils in a recovered area affected by a mining spill. Environmental Pollution, 2016, 208, 553-561.	3.7	40
11	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
12	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
13	Physico-chemical properties of the soil-saturation extracts: estimation from electrical conductivity. Geoderma, 1999, 90, 99-109.	2.3	35
14	Mobility of Arsenic and Heavy Metals in a Sandy-Loam Textured and Carbonated Soil. Pedosphere, 2009, 19, 166-175.	2.1	34
15	Thallium Behavior in Soils Polluted by Pyrite Tailings (AznalcÃ³llar, Spain). Soil and Sediment Contamination, 2004, 13, 25-36.	1.1	32
16	Soil evolution over the Quaternary period in a Mediterranean climate (SE Spain). Catena, 2002, 48, 131-148.	2.2	31
17	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
18	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

#	Article	IF	Citations
19	Soil alteration by continued oxidation of pyrite tailings. Applied Geochemistry, 2008, 23, 1152-1165.	1.4	26
20	Remediation of As-Contaminated Soils in the Guadiamar River Basin (SW, Spain). Water, Air, and Soil Pollution, 2007, 180, 109-118.	1.1	24
21	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
22	Assessment of total arsenic and arsenic species stability in alga samples and their aqueous extracts. Talanta, 2008, 75, 897-903.	2.9	24
23	Background arsenic concentrations in Southeastern Spanish soils. Science of the Total Environment, 2007, 378, 5-12.	3.9	23
24	Application of bioassays with Enchytraeus crypticus and Folsomia candida to evaluate the toxicity of a metal-contaminated soil, before and after remediation. Journal of Soils and Sediments, 2011, 11, 1199-1208.	1.5	23
25	Soil-landscape evolution on a Mediterranean high mountain. Catena, 2000, 39, 211-231.	2.2	20
26	Assessing the impact of organic and inorganic amendments on the toxicity and bioavailability of a metal-contaminated soil to the earthworm Eisenia andrei. Environmental Science and Pollution Research, 2013, 20, 8162-8171.	2.7	19
27	Are soil amendments able to restore arsenic-contaminated alkaline soils?. Journal of Soils and Sediments, 2015, 15, 117-125.	1.5	16
28	Biochar from Different Carbonaceous Waste Materials: Ecotoxicity and Effectiveness in the Sorption of Metal(loid)s. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	14
29	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
30	Characteristics of the organic matter of mediterranean high-mountain soils. Geoderma, 1994, 61, 119-131.	2.3	11
31	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
32	Impact of unconfined sulphur-mine waste on a semi-arid environment (AlmerÃa, SE Spain). Journal of Environmental Management, 2011, 92, 1509-1519.	3.8	11
33	Remediation of Pb-Contaminated Soils in the Guadiamar River Basin (SW Spain). Water, Air, and Soil Pollution, 2004, 151, 323-333.	1.1	10
34	Spreading of pollutants from alkaline mine drainage. Rodalquilar mining district (SE Spain). Journal of Environmental Management, 2012, 106, 69-74.	3.8	8
35	Effectiveness of amendments to restore metal-arsenic-polluted soil functions using Lactuca sativa L. bioassays. Journal of Soils and Sediments, 2013, 13, 1213-1222.	1.5	8
36	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

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37	Atypical morphology of technosols developed in quarry dumps restored with marble sludge: Implications for carbon sequestration. Catena, 2018, 160, 50-56.	2.2	8
38	Restoration of dump deposits from quarries in a Mediterranean climate using marble industry waste. Ecological Engineering, 2014, 71, 94-100.	1.6	7
39	Using marble sludge and phytoextraction to remediate metal(loid) polluted soils. Journal of Geochemical Exploration, 2017, 174, 29-34.	1.5	7
40	Soil properties after 10 years of organic versus conventional management in two greenhouses in Almeria (SE Spain). Archives of Agronomy and Soil Science, 2012, 58, S226-S231.	1.3	4
41	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
42	Using marble sludge increases the success of dump deposit restoration under Mediterranean climate. Ecological Engineering, 2015, 84, 305-310.	1.6	2