

Mariano Simn

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,208
citations

21
h-index

34
g-index

42
ext. papers

1,297
ext. citations

6.2
avg, IF

3.77
L-index

#	Paper	IF	Citations
42	Immobilization of heavy metals in polluted soils by the addition of zeolitic material synthesized from coal fly ash. <i>Chemosphere</i> , 2006 , 62, 171-80	8.4	151
41	Pollution of soils by the toxic spill of a pyrite mine (Aznalcollar, Spain). <i>Science of the Total Environment</i> , 1999 , 242, 105-15	10.2	119
40	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
39	Soil pollution by a pyrite mine spill in Spain: evolution in time. <i>Environmental Pollution</i> , 2004 , 132, 395-401	9.3	95
38	Interaction of limestone grains and acidic solutions from the oxidation of pyrite tailings. <i>Environmental Pollution</i> , 2005 , 135, 65-72	9.3	59
37	Fibrous-clay mineral formation and soil evolution in Aridisols of northeastern Patagonia, Argentina. <i>Geoderma</i> , 2007 , 139, 38-50	6.7	54
36	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
35	Effectiveness of amendments on the spread and phytotoxicity of contaminants in metal-arsenic polluted soil. <i>Journal of Hazardous Materials</i> , 2012 , 205-206, 72-80	12.8	36
34	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
33	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
32	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
31	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
30	Mobility of Arsenic and Heavy Metals in a Sandy-Loam Textured and Carbonated Soil. <i>Pedosphere</i> , 2009 , 19, 166-175	5	28
29	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
28	Thallium Behavior in Soils Polluted by Pyrite Tailings (Aznalcollar, Spain). <i>Soil and Sediment Contamination</i> , 2004 , 13, 25-36	3.2	27
27	Soil evolution over the Quaternary period in a Mediterranean climate (SE Spain). <i>Catena</i> , 2002 , 48, 131-148	3.8	27
26	Physico-chemical properties of the soil-saturation extracts: estimation from electrical conductivity. <i>Geoderma</i> , 1999 , 90, 99-109	6.7	26

25	Assessment of total arsenic and arsenic species stability in alga samples and their aqueous extracts. <i>Talanta</i> , 2008 , 75, 897-903	6.2	23
24	Arsenic Contamination in Soils Affected by a Pyrite-mine Spill (Aznalcóbar, SW Spain). <i>Water, Air, and Soil Pollution</i> , 2007 , 180, 271-281	2.6	23
23	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
22	Soil alteration by continued oxidation of pyrite tailings. <i>Applied Geochemistry</i> , 2008 , 23, 1152-1165	3.5	21
21	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
20	Application of bioassays with <i>Enchytraeus crypticus</i> and <i>Folsomia candida</i> to evaluate the toxicity of a metal-contaminated soil, before and after remediation. <i>Journal of Soils and Sediments</i> , 2011 , 11, 1199-1208	3.4	18
19	Soil-landscape evolution on a Mediterranean high mountain. <i>Catena</i> , 2000 , 39, 211-231	5.8	18
18	Assessing the impact of organic and inorganic amendments on the toxicity and bioavailability of a metal-contaminated soil to the earthworm <i>Eisenia andrei</i> . <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8162-71	5.1	17
17	Background arsenic concentrations in Southeastern Spanish soils. <i>Science of the Total Environment</i> , 2007 , 378, 5-12	10.2	16
16	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
15	Are soil amendments able to restore arsenic-contaminated alkaline soils?. <i>Journal of Soils and Sediments</i> , 2015 , 15, 117-125	3.4	11
14	Biochar from Different Carbonaceous Waste Materials: Ecotoxicity and Effectiveness in the Sorption of Metal(loid)s. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	10
13	Characteristics of the organic matter of mediterranean high-mountain soils. <i>Geoderma</i> , 1994 , 61, 119-136	6.7	10
12	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
11	Spreading of pollutants from alkaline mine drainage. Rodalquilar mining district (SE Spain). <i>Journal of Environmental Management</i> , 2012 , 106, 69-74	7.9	8
10	Impact of unconfined sulphur-mine waste on a semi-arid environment (Almería, SE Spain). <i>Journal of Environmental Management</i> , 2011 , 92, 1509-19	7.9	8
9	Using marble sludge and phytoextraction to remediate metal(loid) polluted soils. <i>Journal of Geochemical Exploration</i> , 2017 , 174, 29-34	3.8	7
8	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

7	Restoration of dump deposits from quarries in a Mediterranean climate using marble industry waste. <i>Ecological Engineering</i> , 2014 , 71, 94-100	3.9	7
6	Effectiveness of amendments to restore metal-arsenic-polluted soil functions using <i>Lactuca sativa</i> L. bioassays. <i>Journal of Soils and Sediments</i> , 2013 , 13, 1213-1222	3.4	7
5	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
4	Atypical morphology of technosols developed in quarry dumps restored with marble sludge: Implications for carbon sequestration. <i>Catena</i> , 2018 , 160, 50-56	5.8	4
3	Soil properties after 10 years of organic versus conventional management in two greenhouses in Almeria (SE Spain). <i>Archives of Agronomy and Soil Science</i> , 2012 , 58, S226-S231	2	4
2	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
1	Using marble sludge increases the success of dump deposit restoration under Mediterranean climate. <i>Ecological Engineering</i> , 2015 , 84, 305-310	3.9	2