

Josep Maria Alcañiz

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,911
citations

218677

26
h-index

265206

42
g-index

61
all docs

61
docs citations

61
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	Drone-Based Identification of Erosive Processes in Open-Pit Mining Restored Areas. <i>Land</i> , 2022, 11, 212.	2.9	14
2	Fresh biochar application provokes a reduction of nitrate which is unexplained by conventional mechanisms. <i>Science of the Total Environment</i> , 2021, 755, 142430.	8.0	13
3	Soil Erosion Monitoring in Quarry Restoration Using Drones. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 949.	2.0	15
4	Long-term effects of gasification biochar application on soil functions in a Mediterranean agroecosystem: Higher addition rates sequester more carbon but pose a risk to soil faunal communities. <i>Science of the Total Environment</i> , 2021, 801, 149580.	8.0	5
5	Mid-term effects on ecosystem services of quarry restoration with Technosols under Mediterranean conditions: 10-year impacts on soil organic carbon and vegetation development. <i>Restoration Ecology</i> , 2020, 28, 960-970.	2.9	15
6	Soil restoration using compost-like-outputs and digestates from non-source-separated urban waste as organic amendments: Limitations and opportunities. <i>Journal of Environmental Management</i> , 2020, 255, 109909.	7.8	32
7	Unmanned aerial system protocol for quarry restoration and mineral extraction monitoring. <i>Journal of Environmental Management</i> , 2020, 270, 110717.	7.8	21
8	Nonylphenol causes shifts in microbial communities and nitrogen mineralization in soil microcosms. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 395-403.	6.0	9
9	UAS Remote Sensing Products for Supporting Extraction Management and Restoration Monitoring in Open-Pit Mines. <i>Proceedings (mdpi)</i> , 2019, 30, 4.	0.2	3
10	Monitoring opencast mine restorations using Unmanned Aerial System (UAS) imagery. <i>Science of the Total Environment</i> , 2019, 657, 1602-1614.	8.0	67
11	Belowground biota responses to maize biochar addition to the soil of a Mediterranean vineyard. <i>Science of the Total Environment</i> , 2019, 660, 1522-1532.	8.0	31
12	Sewage sludge as an organic amendment for quarry restoration: Effects on soil and vegetation. <i>Land Degradation and Development</i> , 2018, 29, 2568-2574.	3.9	24
13	Comparing current chemical methods to assess biochar organic carbon in a Mediterranean agricultural soil amended with two different biochars. <i>Science of the Total Environment</i> , 2017, 598, 604-618.	8.0	30
14	Gasifier biochar effects on nutrient availability, organic matter mineralization, and soil fauna activity in a multi-year Mediterranean trial. <i>Agriculture, Ecosystems and Environment</i> , 2016, 215, 30-39.	5.3	55
15	Are soil water functions affected by biochar application?. <i>Geoderma</i> , 2015, 249-250, 1-11.	5.1	113
16	Carbon sequestration in a limestone quarry mine soil amended with sewage sludge. <i>Soil Use and Management</i> , 2015, 31, 270-278.	4.9	17
17	Influence of water availability in the distributions of branched glycerol dialkyl glycerol tetraether in soils of the Iberian Peninsula. <i>Biogeosciences</i> , 2014, 11, 2571-2581.	3.3	53
18	Discrimination of Soils and Assessment of Soil Fertility Using Information from an Ion Selective Electrodes Array and Artificial Neural Networks. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1808-1815.	1.1	16

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19	Biochars provoke diverse soil mesofauna reproductive responses in laboratory bioassays. <i>European Journal of Soil Biology</i> , 2014, 60, 104-111.	3.2	90
20	Can Organic Amendments Be Useful in Transforming a Mediterranean Shrubland into a Dehesa?. <i>Restoration Ecology</i> , 2014, 22, 486-494.	2.9	9
21	Unintended effects of biochars on short-term plant growth in a calcareous soil. <i>Plant and Soil</i> , 2014, 385, 87-105.	3.7	68
22	Effects of nonylphenols on soil microbial activity and water retention. <i>Applied Soil Ecology</i> , 2013, 64, 77-83.	4.3	17
23	Improving substrate fertility to enhance growth and reproductive ability of a <i>Pinus halepensis</i> Mill. afforestation in a restored limestone quarry. <i>New Forests</i> , 2012, 43, 365-381.	1.7	15
24	Applying a GLM-based approach to model the influence of soil properties on the toxicity of phenmedipham to <i>Folsomia candida</i> . <i>Journal of Soils and Sediments</i> , 2012, 12, 888-899.	3.0	12
25	Influence of soil properties on the performance of <i>Folsomia candida</i> : Implications for its use in soil ecotoxicology testing. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1497-1505.	4.3	41
26	Soil bioassays as tools for sludge compost quality assessment. <i>Waste Management</i> , 2011, 31, 512-522.	7.4	21
27	Discrimination of soils and assessment of some soil fertility parameters using an electronic tongue. , 2011, , .		1
28	Bioassays prove the suitability of mining debris mixed with sewage sludge for land reclamation purposes. <i>Journal of Soils and Sediments</i> , 2010, 10, 30-44.	3.0	13
29	Role of soil properties in sewage sludge toxicity to soil collembolans. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1982-1990.	8.8	47
30	Substrate-induced Respiration of a Sandy Soil Treated with Different Types of Organic Waste. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 408-423.	1.4	7
31	Wetting process and soil water retention of a minesoil amended with composted and thermally dried sludges. <i>Geoderma</i> , 2010, 156, 399-409.	5.1	15
32	Soil pollution by nonylphenol and nonylphenol ethoxylates and their effects to plants and invertebrates. <i>Journal of Soils and Sediments</i> , 2009, 9, 555-567.	3.0	28
33	Phytotoxic effects of sewage sludge extracts on the germination of three plant species. <i>Ecotoxicology</i> , 2008, 17, 834-844.	2.4	37
34	Differences on nitrogen availability in a soil amended with fresh, composted and thermally-dried sewage sludge. <i>Bioresource Technology</i> , 2008, 99, 252-259.	9.6	49
35	Toxic effects of digested, composted and thermally-dried sewage sludge on three plants. <i>Bioresource Technology</i> , 2008, 99, 7168-7175.	9.6	71
36	Differences in aggregate stability due to various sewage sludge treatments on a Mediterranean calcareous soil. <i>Agriculture, Ecosystems and Environment</i> , 2008, 125, 48-56.	5.3	59

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37	Comparison of solid-phase and eluate assays to gauge the ecotoxicological risk of organic wastes on soil organisms. <i>Environmental Pollution</i> , 2008, 151, 549-558.	7.5	28
38	Ecological risk assessment of organic waste amendments using the species sensitivity distribution from a soil organisms test battery. <i>Environmental Pollution</i> , 2008, 155, 227-236.	7.5	54
39	Ecotoxicological assessment of organic wastes using the soil collembolan <i>Folsomia candida</i> . <i>Applied Soil Ecology</i> , 2007, 35, 461-472.	4.3	71
40	FEEDING INHIBITION IN THE SOIL COLLEMBOLAN <i>FOLSOMIA CANDIDA</i> AS AN ENDPOINT FOR THE ESTIMATION OF ORGANIC WASTE ECOTOXICITY. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1538.	4.3	13
41	A multi-criteria evaluation of organic amendments used to transform an unproductive shrubland into a Mediterranean dehesa. <i>Journal of Environmental Management</i> , 2007, 82, 446-456.	7.8	17
42	Regional patterns of fire recurrence effects on calcareous soils of Mediterranean <i>Pinus halepensis</i> communities. <i>Forest Ecology and Management</i> , 2006, 221, 313-318.	3.2	36
43	Fractal analysis of soil water hysteresis as influenced by sewage sludge application. <i>Geoderma</i> , 2006, 134, 386-401.	5.1	25
44	Bioaccumulation of heavy metals in <i>Dactylis glomerata</i> L. growing in a calcareous soil amended with sewage sludge. <i>Bioresource Technology</i> , 2006, 97, 545-552.	9.6	52
45	Nitrogen losses in runoff waters from a loamy soil treated with sewage sludge. <i>Agriculture, Ecosystems and Environment</i> , 2006, 117, 49-56.	5.3	25
46	Effects of Sewage Sludge on Plant Community Composition in Restored Limestone Quarries. <i>Restoration Ecology</i> , 2004, 12, 290-296.	2.9	54
47	Runoff and losses by erosion in soils amended with sewage sludge. <i>Land Degradation and Development</i> , 2003, 14, 563-573.	3.9	72
48	Application of X-ray microanalysis to study the distribution of organic waste in soil. <i>Geoderma</i> , 2001, 104, 1-15.	5.1	4
49	Sewage Sludge Application on Soil: Effects on Two Earthworm Species. <i>Water, Air, and Soil Pollution</i> , 2001, 129, 319-332.	2.4	24
50	Modification of soil porosity after application of sewage sludge. <i>Soil and Tillage Research</i> , 1999, 49, 337-345.	5.6	30
51	Effects of sewage sludge amendment on soil aggregation. <i>Land Degradation and Development</i> , 1999, 10, 3-12.	3.9	48
52	Contribution of sewage sludge to erosion control in the rehabilitation of limestone quarries. <i>Land Degradation and Development</i> , 1996, 7, 69-76.	3.9	53
53	Carbon dioxide efflux and pCO ₂ in soils of three <i>Quercus ilex montana</i> forests. <i>Biogeochemistry</i> , 1995, 30, 191-215.	3.5	43
54	Respiration potential of microbial biomass in a calcareous soil treated with sewage sludge. <i>Geomicrobiology Journal</i> , 1993, 11, 333-340.	2.0	17

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55	Tracers and constituents indicating the nature of organic fluxes, their origin and the effect of environmental conditions. <i>Continental Shelf Research</i> , 1990, 10, 1039-1062.	1.8	18
56	PY-GC-MS analysis of organic matter in suspended material and deposits of the submarine delta of the rhone river (France). <i>Science of the Total Environment</i> , 1989, 81-82, 71-80.	8.0	6
57	Chemical diversity of pyrograms as a discriminating parameter in soil humus and plant residues. <i>Science of the Total Environment</i> , 1988, 68, 241-249.	8.0	4
58	A multifactorial analysis of soil pyrograms as a criterion for discrimination between humus types. <i>Science of the Total Environment</i> , 1987, 62, 97-106.	8.0	6
59	Influence of two humic extracts characterized by Py-GC on soil microbial activities. <i>Science of the Total Environment</i> , 1987, 62, 379-385.	8.0	3
60	CHARACTERIZATION OF ORGANIC MATTER FROM TWO DIFFERENT SOILS BY PYROLYSIS-GAS CHROMATOGRAPHY AND ISOELECTRIC FOCUSING. <i>Soil Science</i> , 1986, 142, 83-90.	0.9	70
61	Pyrolysis-gas chromatography-mass spectrometry of a low organic matter calcareous soil. <i>Journal of Analytical and Applied Pyrolysis</i> , 1982, 4, 241-256.	5.5	5