

Jose Luis Moreno Ortego

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5297813/publications.pdf>

Version: 2024-02-01

65
papers

3,963
citations

109321

35
h-index

123424

61
g-index

65
all docs

65
docs citations

65
times ranked

4812
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiological degradation index of soils in a semiarid climate. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3463-3473.	8.8	308
2	Application of fresh and composted organic wastes modifies structure, size and activity of soil microbial community under semiarid climate. <i>Applied Soil Ecology</i> , 2008, 40, 318-329.	4.3	279
3	Soil microbial activity as a biomarker of degradation and remediation processes. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1877-1883.	8.8	211
4	Effects of a cadmium-contaminated sewage sludge compost on dynamics of organic matter and microbial activity in an arid soil. <i>Biology and Fertility of Soils</i> , 1999, 28, 230-237.	4.3	160
5	The active microbial diversity drives ecosystem multifunctionality and is physiologically related to carbon availability in Mediterranean semi-arid soils. <i>Molecular Ecology</i> , 2016, 25, 4660-4673.	3.9	151
6	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019, 10, 3481.	12.8	148
7	Composting anaerobic and aerobic sewage sludges using two proportions of sawdust. <i>Waste Management</i> , 2007, 27, 1317-1327.	7.4	144
8	Influence of cadmium on the metabolic quotient, I ^q and d-glutamic acid respiration ratio and enzyme activity: microbial biomass ratio under laboratory conditions. <i>Biology and Fertility of Soils</i> , 2000, 32, 8-16.	4.3	129
9	Toxic effect of cadmium and nickel on soil enzymes and the influence of adding sewage sludge. <i>European Journal of Soil Science</i> , 2003, 54, 377-386.	3.9	109
10	Soil metaproteomics: a review of an emerging environmental science. Significance, methodology and perspectives. <i>European Journal of Soil Science</i> , 2009, 60, 845-859.	3.9	103
11	Soil microbial community under a nurse-plant species changes in composition, biomass and activity as the nurse grows. <i>Soil Biology and Biochemistry</i> , 2013, 64, 139-146.	8.8	102
12	Use of compost as an alternative to conventional inorganic fertilizers in intensive lettuce (<i>Lactuca</i>) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	8.6	102
13	Persistence of immobilised and total urease and phosphatase activities in a soil amended with organic wastes. <i>Bioresource Technology</i> , 2002, 82, 73-78.	9.6	93
14	The ecological dose value (ED50) for assessing Cd toxicity on ATP content and dehydrogenase and urease activities of soil. <i>Soil Biology and Biochemistry</i> , 2001, 33, 483-489.	8.8	89
15	The long-term effects of the management of a forest soil on its carbon content, microbial biomass and activity under a semi-arid climate. <i>Applied Soil Ecology</i> , 2007, 37, 53-62.	4.3	86
16	Microbiological activity in a soil 15 years after its devegetation. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2503-2507.	8.8	85
17	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. <i>Science Advances</i> , 2021, 7, .	10.3	83
18	Effects of atrazine on microbial activity in semiarid soil. <i>Applied Soil Ecology</i> , 2007, 35, 120-127.	4.3	77

#	ARTICLE	IF	CITATIONS
19	Soil microbial community structure and activity in monospecific and mixed forest stands, under Mediterranean humid conditions. <i>Plant and Soil</i> , 2012, 354, 359-370.	3.7	77
20	Bioremediation by Composting of Heavy Oil Refinery Sludge in Semiarid Conditions. <i>Biodegradation</i> , 2006, 17, 251-261.	3.0	75
21	Transference of heavy metals from a calcareous soil amended with sewage-sludge compost to barley plants. <i>Bioresource Technology</i> , 1996, 55, 251-258.	9.6	72
22	Application of composted sewage sludges contaminated with heavy metals to an agricultural soil. <i>Soil Science and Plant Nutrition</i> , 1997, 43, 565-573.	1.9	71
23	Molecular and physiological bacterial diversity of a semi-arid soil contaminated with different levels of formulated atrazine. <i>Applied Soil Ecology</i> , 2006, 34, 93-102.	4.3	67
24	Plant-plant competition outcomes are modulated by plant effects on the soil bacterial community. <i>Scientific Reports</i> , 2017, 7, 17756.	3.3	66
25	Toxicity of cadmium to soil microbial activity: effect of sewage sludge addition to soil on the ecological dose. <i>Applied Soil Ecology</i> , 2002, 21, 149-158.	4.3	63
26	Soil amendments with organic wastes reduce the toxicity of nickel to soil enzyme activities. <i>European Journal of Soil Biology</i> , 2008, 44, 129-140.	3.2	58
27	Soil organic carbon buffers heavy metal contamination on semiarid soils: Effects of different metal threshold levels on soil microbial activity. <i>European Journal of Soil Biology</i> , 2009, 45, 220-228.	3.2	58
28	Effects of organic amendments on soil carbon fractions, enzyme activity and humus-enzyme complexes under semi-arid conditions. <i>European Journal of Soil Biology</i> , 2012, 53, 94-102.	3.2	52
29	Effect of composting on sewage sludges contaminated with heavy metals. <i>Bioresource Technology</i> , 1995, 53, 13-19.	9.6	51
30	Application of two beet vinasse forms in soil restoration: Effects on soil properties in an arid environment in southern Spain. <i>Agriculture, Ecosystems and Environment</i> , 2007, 119, 289-298.	5.3	50
31	Boron in soil: The impacts on the biomass, composition and activity of the soil microbial community. <i>Science of the Total Environment</i> , 2019, 685, 564-573.	8.0	47
32	Addition of Urban Waste to Semiarid Degraded Soil: Long-term Effect. <i>Pedosphere</i> , 2007, 17, 557-567.	4.0	46
33	The effects of human trampling on the microbiological properties of soil and vegetation in mediterranean mountain areas. <i>Land Degradation and Development</i> , 2011, 22, 383-394.	3.9	44
34	Microbiological and biochemical properties of artificial substrates: A preliminary study of its application as Technosols or as a basis in Green Roof Systems. <i>Ecological Engineering</i> , 2014, 70, 189-199.	3.6	44
35	Benefactor and allelopathic shrub species have different effects on the soil microbial community along an environmental severity gradient. <i>Soil Biology and Biochemistry</i> , 2015, 88, 48-57.	8.8	44
36	The composition and depth of green roof substrates affect the growth of <i>Silene vulgaris</i> and <i>Lagurus ovatus</i> species and the C and N sequestration under two irrigation conditions. <i>Journal of Environmental Management</i> , 2016, 166, 330-340.	7.8	34

#	ARTICLE	IF	CITATIONS
37	Environmentally relevant concentrations of silver nanoparticles diminish soil microbial biomass but do not alter enzyme activities or microbial diversity. <i>Journal of Hazardous Materials</i> , 2020, 391, 122224.	12.4	33
38	Characterisation and evaluation of humic acids extracted from urban waste as liquid fertilisers. <i>Journal of the Science of Food and Agriculture</i> , 1997, 75, 481-488.	3.5	31
39	Characterization of the microbial community in biological soil crusts dominated by <i>Fulgensia desertorum</i> (Tomin) Poelt and <i>Squamarina cartilaginea</i> (With.) P. James and in the underlying soil. <i>Soil Biology and Biochemistry</i> , 2014, 76, 70-79.	8.8	30
40	Evaluating the growth of several Mediterranean endemic species in artificial substrates: Are these species suitable for their future use in green roofs?. <i>Ecological Engineering</i> , 2015, 81, 405-417.	3.6	28
41	Tracing Changes in the Microbial Community of a Hydrocarbon-Polluted Soil by Culture-Dependent Proteomics. <i>Pedosphere</i> , 2010, 20, 479-485.	4.0	27
42	Deforestation fosters bacterial diversity and the cyanobacterial community responsible for carbon fixation processes under semiarid climate: a metaproteomics study. <i>Applied Soil Ecology</i> , 2015, 93, 65-67.	4.3	27
43	Olive mill waste: recent advances for the sustainable development of olive oil industry. , 2017, , 29-56.		26
44	Influence of forest cover and herbaceous vegetation on the microbiological and biochemical properties of soil under Mediterranean humid climate. <i>European Journal of Soil Biology</i> , 2010, 46, 273-279.	3.2	23
45	Microbial activity in soils under fast-growing <i>Paulownia</i> (<i>Paulownia elongata</i> x <i>fortunei</i>) plantations in Mediterranean areas. <i>Applied Soil Ecology</i> , 2011, 51, 42-51.	4.3	21
46	The inorganic component of green roof substrates impacts the growth of Mediterranean plant species as well as the C and N sequestration potential. <i>Ecological Indicators</i> , 2016, 61, 739-752.	6.3	21
47	Effect of Cadmium on Microbial Activity and a Ryegrass Crop in Two Semiarid Soils. <i>Environmental Management</i> , 2006, 37, 626-633.	2.7	20
48	Land use shapes the resistance of the soil microbial community and the C cycling response to drought in a semi-arid area. <i>Science of the Total Environment</i> , 2019, 648, 1018-1030.	8.0	20
49	Agro-forestry management of <i>Paulownia</i> plantations and their impact on soil biological quality: The effects of fertilization and irrigation treatments. <i>Applied Soil Ecology</i> , 2017, 117-118, 46-56.	4.3	19
50	Interactive impacts of boron and organic amendments in plant-soil microbial relationships. <i>Journal of Hazardous Materials</i> , 2021, 408, 124939.	12.4	19
51	Response of soil chemical properties, enzyme activities and microbial communities to biochar application and climate change in a Mediterranean agroecosystem. <i>Geoderma</i> , 2022, 407, 115536.	5.1	17
52	Evaluation of Microbial Community Activity, Abundance and Structure in a Semiarid Soil Under Cadmium Pollution at Laboratory Level. <i>Water, Air, and Soil Pollution</i> , 2009, 203, 229-242.	2.4	16
53	A soil equality index for soil from Mediterranean forests. <i>European Journal of Soil Science</i> , 2019, 70, 1001-1011.	3.9	16
54	Assessment of Aquifer Vulnerability in an Agricultural Area in Spain Using the DRASTIC Model. <i>Environmental Forensics</i> , 2015, 16, 356-373.	2.6	15

#	ARTICLE	IF	CITATIONS
55	Microbial activity in non-agricultural degraded soils exposed to semiarid climate. <i>Science of the Total Environment</i> , 2007, 378, 183-186.	8.0	13
56	Organic amendments exacerbate the effects of silver nanoparticles on microbial biomass and community composition of a semiarid soil. <i>Science of the Total Environment</i> , 2020, 744, 140919.	8.0	12
57	Changes in organic matter and enzymatic activity of an agricultural soil amended with metal-contaminated sewage sludge compost. <i>Communications in Soil Science and Plant Analysis</i> , 1998, 29, 2247-2262.	1.4	10
58	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 143, 289-300.	2.4	10
59	Response of Soil Microbial Community to a High Dose of Fresh Olive Mill Wastewater. <i>Pedosphere</i> , 2013, 23, 281-289.	4.0	9
60	Compost, leonardite, and zeolite impacts on soil microbial community under barley crops. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	3.4	9
61	Relationship between the Agricultural Management of a Semi-arid Soil and Microbiological Quality. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 421-439.	1.4	6
62	Thermostability of Selected Enzymes in Organic Wastes and in their Humic Extract. <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 277-286.	2.9	3
63	Structure and function of bacterial metaproteomes across biomes. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108331.	8.8	3
64	Use of Microbial Activity and Community Structure Shifts to Estimate the Toxicological Risk of Heavy Metal Pollution in Soils with Different Organic Matter Contents. <i>Environmental Science and Engineering</i> , 2011, , 149-166.	0.2	1
65	ORGANIC WASTES AS ALTERNATIVE TO INORGANIC FERTILIZERS IN CROP CULTIVATION. <i>Acta Horticulturae</i> , 2014, , 371-376.	0.2	0