

Teresa Hernandez

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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.

184 papers	10,613 citations	61 h-index	96 g-index
185 ext. papers	11,590 ext. citations	5.5 avg, IF	6.19 L-index

#	Paper	IF	Citations
184	Past, present and future of soil quality indices: A biological perspective. <i>Geoderma</i> , 2008 , 147, 159-171	6.7	413
183	Use of organic amendment as a strategy for saline soil remediation: Influence on the physical, chemical and biological properties of soil. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1413-1421	7.5	347
182	Potential use of dehydrogenase activity as an index of microbial activity in degraded soils. <i>Communications in Soil Science and Plant Analysis</i> , 1997 , 28, 123-134	1.5	345
181	Soil microbial activity after restoration of a semiarid soil by organic amendments. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 463-469	7.5	258
180	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	5	231
179	Microbiological degradation index of soils in a semiarid climate. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 3463-3473	7.5	229
178	Microbial activity in soils under mediterranean environmental conditions. <i>Soil Biology and Biochemistry</i> , 1994 , 26, 1185-1191	7.5	216
177	Soil microbial activity as a biomarker of degradation and remediation processes. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1877-1883	7.5	182
176	Effect of hydrocarbon pollution on the microbial properties of a sandy and a clay soil. <i>Chemosphere</i> , 2007 , 66, 1863-71	8.4	166
175	Severe drought conditions modify the microbial community structure, size and activity in amended and unamended soils. <i>Soil Biology and Biochemistry</i> , 2012 , 50, 167-173	7.5	161
174	Hydrolase activities, microbial biomass and bacterial community in a soil after long-term amendment with different composts. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 3443-3452	7.5	159
173	Soil restoration using composted plant residues: Effects on soil properties. <i>Soil and Tillage Research</i> , 2009 , 102, 109-117	6.5	157
172	Biochar influences the microbial community structure during manure composting with agricultural wastes. <i>Science of the Total Environment</i> , 2012 , 416, 476-81	10.2	152
171	Changes in the microbial activity of an arid soil amended with urban organic wastes. <i>Biology and Fertility of Soils</i> , 1997 , 24, 429-434	6.1	146
170	Short-term effect of wildfire on the chemical, biochemical and microbiological properties of Mediterranean pine forest soils. <i>Biology and Fertility of Soils</i> , 1997 , 25, 109-116	6.1	144
169	Influence of salinity on the biological and biochemical activity of a calciorthird soil. <i>Plant and Soil</i> , 1996 , 178, 255-263	4.2	144
168	Ability of different plant species to promote microbiological processes in semiarid soil. <i>Geoderma</i> , 2005 , 124, 193-202	6.7	135

167	Enzymatic activities in an arid soil amended with urban organic wastes: Laboratory experiment. <i>Bioresource Technology</i> , 1998 , 64, 131-138	11	131
166	Application of two organic amendments on soil restoration: effects on the soil biological properties. <i>Journal of Environmental Quality</i> , 2006 , 35, 1010-7	3.4	131
165	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	6.1	131
164	No-tillage, crop residue additions, and legume cover cropping effects on soil quality characteristics under maize in Patzcuaro watershed (Mexico). <i>Soil and Tillage Research</i> , 2003 , 72, 65-73	6.5	129
163	Effect of plant cover decline on chemical and microbiological parameters under Mediterranean climate. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 635-642	7.5	123
162	Root growth promotion by humic acids from composted and non-composted urban organic wastes. <i>Plant and Soil</i> , 2012 , 353, 209-220	4.2	122
161	Study on water extract of sewage sludge composts. <i>Soil Science and Plant Nutrition</i> , 1991 , 37, 399-408	1.6	118
160	Bioremediation of oil refinery sludge by landfarming in semiarid conditions: influence on soil microbial activity. <i>Environmental Research</i> , 2005 , 98, 185-95	7.9	115
159	Composting anaerobic and aerobic sewage sludges using two proportions of sawdust. <i>Waste Management</i> , 2007 , 27, 1317-27	8.6	112
158	Biochemical Parameters in Soils Regenerated By the Addition of Organic Wastes. <i>Waste Management and Research</i> , 1994 , 12, 457-466	4	109
157	A study of biochemical parameters of composted and fresh municipal wastes. <i>Bioresource Technology</i> , 1993 , 44, 17-23	11	104
156	Lasting microbiological and biochemical effects of the addition of municipal solid waste to an arid soil. <i>Biology and Fertility of Soils</i> , 1999 , 30, 1-6	6.1	102
155	A full-scale study of treatment of pig slurry by composting: kinetic changes in chemical and microbial properties. <i>Waste Management</i> , 2006 , 26, 1108-18	8.6	101
154	Improvement of rhizosphere aggregate stability of afforested semiarid plant species subjected to mycorrhizal inoculation and compost addition. <i>Geoderma</i> , 2002 , 108, 133-144	6.7	100
153	Evaluation of the maturity of municipal waste compost using simple chemical parameters. <i>Communications in Soil Science and Plant Analysis</i> , 1992 , 23, 1501-1512	1.5	98
152	The ecological and physiological responses of the microbial community from a semiarid soil to hydrocarbon contamination and its bioremediation using compost amendment. <i>Journal of Proteomics</i> , 2016 , 135, 162-169	3.9	96
151	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, 4660-73	5.7	96
150	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	3.4	94

149	Soil restoration with organic amendments: linking cellular functionality and ecosystem processes. <i>Scientific Reports</i> , 2015 , 5, 15550	4.9	88
148	Soil metaproteomics: a review of an emerging environmental science. Significance, methodology and perspectives. <i>European Journal of Soil Science</i> , 2009 , 60, 845-859	3.4	88
147	Aggregate stability changes after organic amendment and mycorrhizal inoculation in the afforestation of a semiarid site with <i>Pinus halepensis</i> . <i>Applied Soil Ecology</i> , 2002 , 19, 199-208	5	86
146	Persistence of immobilised and total urease and phosphatase activities in a soil amended with organic wastes. <i>Bioresource Technology</i> , 2002 , 82, 73-8	11	85
145	Biological and biochemical indicators in derelict soils subject to erosion. <i>Soil Biology and Biochemistry</i> , 1997 , 29, 171-177	7.5	82
144	Influence of one or two successive annual applications of organic fertilisers on the enzyme activity of a soil under barley cultivation. <i>Bioresource Technology</i> , 2001 , 79, 147-54	11	81
143	Characterization of Urban Wastes According To Fertility and Phytotoxicity Parameters. <i>Waste Management and Research</i> , 1997 , 15, 103-112	4	79
142	Long-term effect of municipal solid waste amendment on microbial abundance and humus-associated enzyme activities under semiarid conditions. <i>Microbial Ecology</i> , 2008 , 55, 651-61	4.4	79
141	Comparison of fresh and composted organic waste in their efficacy for the improvement of arid soil quality. <i>Bioresource Technology</i> , 1999 , 68, 255-264	11	78
140	Microbial communities involved in the bioremediation of an aged recalcitrant hydrocarbon polluted soil by using organic amendments. <i>Bioresource Technology</i> , 2010 , 101, 6916-23	11	77
139	Influence of sewage sludge application on crop yields and heavy metal availability. <i>Soil Science and Plant Nutrition</i> , 1991 , 37, 201-210	1.6	77
138	Changes in Microbial Activity after Abandonment of Cultivation in a Semiarid Mediterranean Environment. <i>Journal of Environmental Quality</i> , 1997 , 26, 285-292	3.4	76
137	Microbiological activity in a soil 15 years after its revegetation. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2503-2507	7.5	74
136	Nitrogen mineralisation potential in calcareous soils amended with sewage sludge. <i>Bioresource Technology</i> , 2002 , 83, 213-9	11	74
135	Changes in ATP content, enzyme activity and inorganic nitrogen species during composting of organic wastes. <i>Canadian Journal of Soil Science</i> , 1992 , 72, 243-253	1.4	73
134	Use of compost as an alternative to conventional inorganic fertilizers in intensive lettuce (<i>Lactuca sativa</i> L.) crops—Effects on soil and plant. <i>Soil and Tillage Research</i> , 2016 , 160, 14-22	6.5	73
133	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	5	72
132	Burning fire-prone Mediterranean shrublands: immediate changes in soil microbial community structure and ecosystem functions. <i>Microbial Ecology</i> , 2012 , 64, 242-55	4.4	71

131	Changes in carbon fractions during composting and maturation of organic wastes. <i>Environmental Management</i> , 1991 , 15, 433-439	3.1	69
130	Metaproteomics of soils from semiarid environment: functional and phylogenetic information obtained with different protein extraction methods. <i>Journal of Proteomics</i> , 2014 , 101, 31-42	3.9	68
129	Phylogenetic and functional changes in the microbial community of long-term restored soils under semiarid climate. <i>Soil Biology and Biochemistry</i> , 2013 , 65, 12-21	7.5	68
128	Transference of heavy metals from a calcareous soil amended with sewage-sludge compost to barley plants. <i>Bioresource Technology</i> , 1996 , 55, 251-258	11	65
127	Resistance and resilience of the soil microbial biomass to severe drought in semiarid soils: The importance of organic amendments. <i>Applied Soil Ecology</i> , 2011 , 50, 27-27	5	64
126	Application of composted sewage sludges contaminated with heavy metals to an agricultural soil. <i>Soil Science and Plant Nutrition</i> , 1997 , 43, 565-573	1.6	64
125	Organic amendment and mycorrhizal inoculation as a practice in afforestation of soils with <i>Pinus halepensis</i> Miller: effect on their microbial activity. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1173-1181	7.5	62
124	Combined effects of reduced irrigation and water quality on the soil microbial community of a citrus orchard under semi-arid conditions. <i>Soil Biology and Biochemistry</i> , 2017 , 104, 226-237	7.5	61
123	Effects of atrazine on microbial activity in semiarid soil. <i>Applied Soil Ecology</i> , 2007 , 35, 120-127	5	61
122	Stimulation of barley growth and nutrient absorption by humic substances originating from various organic materials. <i>Bioresource Technology</i> , 1996 , 57, 251-257	11	61
121	Bioremediation by composting of heavy oil refinery sludge in semiarid conditions. <i>Biodegradation</i> , 2006 , 17, 251-61	4.1	60
120	Towards a more sustainable fertilization: Combined use of compost and inorganic fertilization for tomato cultivation. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 196, 178-184	5.7	59
119	Reclamation of a burned forest soil with municipal waste compost: macronutrient dynamic and improved vegetation cover recovery. <i>Bioresource Technology</i> , 2001 , 76, 221-7	11	59
118	Revegetation in Semiarid Zones: Influence of Terracing and Organic Refuse on Microbial Activity. <i>Soil Science Society of America Journal</i> , 1998 , 62, 670-676	2.5	58
117	Can the labile carbon contribute to carbon immobilization in semiarid soils? Priming effects and microbial community dynamics. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 892-902	7.5	57
116	Application of different organic amendments in a gasoline contaminated soil: effect on soil microbial properties. <i>Bioresource Technology</i> , 2008 , 99, 2872-80	11	57
115	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	5	57
114	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019 , 10, 3481	17.4	56

113	Organic Amendment Based on Fresh and Composted Beet Vinasse. <i>Soil Science Society of America Journal</i> , 2006 , 70, 900-908	2.5	56
112	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	5	56
111	Evaluation of urban wastes for agricultural use. <i>Soil Science and Plant Nutrition</i> , 1996 , 42, 105-111	1.6	56
110	Changes in organic matter composition during composting of two digested sewage sludges. <i>Waste Management</i> , 2006 , 26, 1370-6	8.6	55
109	Biopesticide effect of green compost against fusarium wilt on melon plants. <i>Journal of Applied Microbiology</i> , 2005 , 98, 845-54	4.7	54
108	Hydrolases in the organic matter fractions of sewage sludge: Changes with composting. <i>Bioresource Technology</i> , 1993 , 45, 47-52	11	53
107	CATION EXCHANGE CAPACITY AS A PARAMETER FOR MEASURING THE HUMIFICATION DEGREE OF MANURES. <i>Soil Science</i> , 1988 , 146, 311-316	0.9	51
106	The influence of composting and maturation processes on the heavy-metal extractability from some organic wastes. <i>Biological Wastes</i> , 1990 , 31, 291-301		50
105	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	2.9	49
104	Effectiveness of municipal waste compost and its humic fraction in suppressing <i>Pythium ultimum</i> . <i>Microbial Ecology</i> , 2002 , 44, 59-68	4.4	49
103	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	2.9	48
102	Influence of orientation, vegetation and season on soil microbial and biochemical characteristics under semiarid conditions. <i>Applied Soil Ecology</i> , 2008 , 38, 62-70	5	47
101	Phytotoxicity due to the agricultural use of urban wastes. Germination experiments. <i>Journal of the Science of Food and Agriculture</i> , 1992 , 59, 313-319	4.3	47
100	Effect of composting on sewage sludges contaminated with heavy metals. <i>Bioresource Technology</i> , 1995 , 53, 13-19	11	45
99	The role of lignin and cellulose in the carbon-cycling of degraded soils under semiarid climate and their relation to microbial biomass. <i>Soil Biology and Biochemistry</i> , 2014 , 75, 152-160	7.5	44
98	Biochemical and chemical-structural characterization of different organic materials used as manures. <i>Bioresource Technology</i> , 1996 , 57, 201-207	11	44
97	Characterization of humic acids from uncomposted and composted sewage sludge by degradative and non-degradative techniques. <i>Bioresource Technology</i> , 1992 , 41, 53-57	11	44
96	The impacts of organic amendments: Do they confer stability against drought on the soil microbial community?. <i>Soil Biology and Biochemistry</i> , 2017 , 113, 173-183	7.5	43

95	Effects of biosolarization as methyl bromide alternative for <i>Meloidogyne incognita</i> control on quality of soil under pepper. <i>Biology and Fertility of Soils</i> , 2008 , 45, 37-44	6.1	43
94	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	2.9	42
93	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	5.7	42
92	Addition of Urban Waste to Semiarid Degraded Soil: Long-term Effect. <i>Pedosphere</i> , 2007 , 17, 557-567	5	42
91	Proteomic analysis of enzyme production by <i>Bacillus licheniformis</i> using different feather wastes as the sole fermentation media. <i>Enzyme and Microbial Technology</i> , 2014 , 57, 1-7	3.8	41
90	The influence of composting on the fertilizing value of an aerobic sewage sludge. <i>Plant and Soil</i> , 1991 , 136, 269-272	4.2	41
89	Soil aggregation in a semiarid soil amended with composted and non-composted sewage sludge: A field experiment. <i>Geoderma</i> , 2014 , 219-220, 24-31	6.7	39
88	The combination of quarry restoration strategies in semiarid climate induces different responses in biochemical and microbiological soil properties. <i>Applied Soil Ecology</i> , 2016 , 107, 33-47	5	38
87	A strategy for marginal semiarid degraded soil restoration: A sole addition of compost at a high rate. A five-year field experiment. <i>Soil Biology and Biochemistry</i> , 2015 , 89, 61-71	7.5	36
86	Agricultural use of leachates obtained from two different vermicomposting processes. <i>Bioresource Technology</i> , 2008 , 99, 6228-32	11	36
85	Long-term suppression of <i>Pythium ultimum</i> in arid soil using fresh and composted municipal wastes. <i>Biology and Fertility of Soils</i> , 2000 , 30, 478-484	6.1	35
84	Role of amendments on N cycling in Mediterranean abandoned semiarid soils. <i>Applied Soil Ecology</i> , 2009 , 41, 195-205	5	33
83	Evaluation of the organic matter composition of raw and composted municipal wastes. <i>Soil Science and Plant Nutrition</i> , 1993 , 39, 99-108	1.6	33
82	Bioremediation of soil degraded by sewage sludge: effects on soil properties and erosion losses. <i>Environmental Management</i> , 2003 , 31, 741-7	3.1	32
81	Carbon mineralization in an arid soil amended with organic wastes of varying degrees of stability. <i>Communications in Soil Science and Plant Analysis</i> , 1998 , 29, 835-846	1.5	31
80	Phosphatase and β -glucosidase activities in humic substances from animal wastes. <i>Bioresource Technology</i> , 1995 , 53, 79-87	11	30
79	The effects of fresh and stabilized pruning wastes on the biomass, structure and activity of the soil microbial community in a semiarid climate. <i>Applied Soil Ecology</i> , 2015 , 89, 1-9	5	29
78	Behavior of oxyfluorfen in soils amended with different sources of organic matter. Effects on soil biology. <i>Journal of Hazardous Materials</i> , 2014 , 273, 207-14	12.8	28

77	Biological and Biochemical Quality of a Semiarid Soil after Induced Devegetation. <i>Journal of Environmental Quality</i> , 1997 , 26, 1116-1122	3.4	28
76	Variation in some chemical parameters and organic matter in soils regenerated by the addition of municipal solid waste. <i>Environmental Management</i> , 1992 , 16, 763-768	3.1	28
75	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	4.3	27
74	Bioremediation of Sewage Sludge by Composting. <i>Communications in Soil Science and Plant Analysis</i> , 2003 , 34, 957-971	1.5	27
73	Comparison of humic acids derived from city refuse with more developed humic acids. <i>Soil Science and Plant Nutrition</i> , 1992 , 38, 339-346	1.6	26
72	Impact of organic soil amendments on phytochemicals and microbial quality of rocket leaves (<i>Eruca sativa</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8331-7	5.7	25
71	Study of the lipidic and humic fractions from organic wastes before and after the composting process. <i>Science of the Total Environment</i> , 1989 , 81-82, 551-560	10.2	25
70	Utilization of Vermicomposts in Soil Restoration: Effects on Soil Biological Properties. <i>Soil Science Society of America Journal</i> , 2010 , 74, 525-532	2.5	24
69	Kinetics of phosphatase activity in organic wastes. <i>Soil Biology and Biochemistry</i> , 1993 , 25, 561-565	7.5	24
68	Effect of solid waste compost on microbiological and physical properties of a burnt forest soil in field experiments. <i>Biology and Fertility of Soils</i> , 2000 , 32, 410-414	6.1	23
67	Response of soil microbial activity and biodiversity in soils polluted with different concentrations of cypermethrin insecticide. <i>Archives of Environmental Contamination and Toxicology</i> , 2015 , 69, 8-19	3.2	22
66	Changes in the organic matter mineralization rates of an arid soil after amendment with organic wastes. <i>Arid Land Research and Management</i> , 1998 , 12, 63-72		21
65	STRUCTURAL FEATURES OF HUMIC ACIDLIKE SUBSTANCES FROM SEWAGE SLUDGES. <i>Soil Science</i> , 1990 , 149, 63-68	0.9	21
64	Response of <i>Eisenia fetida</i> to the application of different organic wastes in an aluminium-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 1944-9	7	20
63	Tracing Changes in the Microbial Community of a Hydrocarbon-Polluted Soil by Culture-Dependent Proteomics. <i>Pedosphere</i> , 2010 , 20, 479-485	5	20
62	Influence of Stability and Origin of Organic Amendments on Humification in Semiarid Soils. <i>Soil Science Society of America Journal</i> , 2011 , 75, 2178-2187	2.5	20
61	Application of two organic wastes in a soil polluted by lead: effects on the soil enzymatic activities. <i>Journal of Environmental Quality</i> , 2007 , 36, 216-25	3.4	20
60	Organic matter in bare soils of the mediterranean region with a semiarid climate. <i>Arid Land Research and Management</i> , 1996 , 10, 31-41		20

59	Mineralization in a Calcareous Soil of a Sewage Sludge Composted With Different Organic Residues. <i>Waste Management and Research</i> , 1992 , 10, 445-452	4	20
58	Organic amendments as strategy to increase organic matter in particle-size fractions of a semi-arid soil. <i>Applied Soil Ecology</i> , 2012 , 57, 50-58	5	19
57	Effect of cadmium on microbial activity and a ryegrass crop in two semiarid soils. <i>Environmental Management</i> , 2006 , 37, 626-33	3.1	19
56	Humic Substances in Composted Sewage Sludge. <i>Waste Management and Research</i> , 1991 , 9, 189-194	4	19
55	A chemical-structural study of organic wastes and their humic acids during composting by means of pyrolysis-gas chromatography. <i>Science of the Total Environment</i> , 1992 , 119, 157-168	10.2	18
54	Characterization of the organic fraction of an uncomposted and composted sewage sludge by isoelectric focusing and gel filtration. <i>Biology and Fertility of Soils</i> , 1992 , 13, 112-118	6.1	18
53	Behavior of two pesticides in a soil subjected to severe drought. Effects on soil biology. <i>Applied Soil Ecology</i> , 2016 , 105, 17-24	5	18
52	Feasibility of a cell separation-proteomic based method for soils with different edaphic properties and microbial biomass. <i>Soil Biology and Biochemistry</i> , 2012 , 45, 136-138	7.5	17
51	Organic amendments for soil restoration in arid and semiarid areas: a review. <i>AIMS Environmental Science</i> , 2017 , 4, 640-676	1.9	17
50	Organic matter characteristics and nutrient content in eroded soils. <i>Environmental Management</i> , 1996 , 20, 133-141	3.1	16
49	Agronomic value of urban waste and the growth of ryegrass (<i>Lolium perenne</i>) in a calciorthid soil amended with this waste. <i>Journal of the Science of Food and Agriculture</i> , 1991 , 56, 457-467	4.3	16
48	Accelerated degradation of PAHs using edaphic biostimulants obtained from sewage sludge and chicken feathers. <i>Journal of Hazardous Materials</i> , 2015 , 300, 235-242	12.8	14
47	Chemical-Structural Changes of Organic Matter in a Semi-Arid Soil After Organic Amendment. <i>Pedosphere</i> , 2012 , 22, 283-293	5	14
46	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	2.6	14
45	The biochemical response to different Cr and Cd concentrations in soils amended with organic wastes. <i>Journal of Hazardous Materials</i> , 2011 , 185, 204-11	12.8	14
44	The effects on soil aggregation and carbon fixation of different organic amendments for restoring degraded soil in semiarid areas. <i>European Journal of Soil Science</i> , 2017 , 68, 941-950	3.4	13
43	The enzymatic and physiological response of the microbial community in semiarid soil to carbon compounds from plants. <i>European Journal of Soil Science</i> , 2016 , 67, 456-469	3.4	13
42	Short-Term Effects of Human Trampling on Vegetation and Soil Microbial Activity. <i>Communications in Soil Science and Plant Analysis</i> , 2004 , 35, 1591-1603	1.5	12

41	Characterization of sewage sludge humic substances. <i>Biological Wastes</i> , 1988 , 26, 167-174		12
40	Impact of Compost Application during 5 Years on Crop Production, Soil Microbial Activity, Carbon Fraction, and Humification Process. <i>Communications in Soil Science and Plant Analysis</i> , 2016 ,	1.5	12
39	Microbial activity in non-agricultural degraded soils exposed to semiarid climate. <i>Science of the Total Environment</i> , 2007 , 378, 183-6	10.2	11
38	Evaluation of different pig slurry composts as fertilizer of horticultural crops: Effects on selected chemical and microbial properties. <i>Renewable Agriculture and Food Systems</i> , 2007 , 22, 307-315	1.8	11
37	Influence of the stabilisation of organic materials on their biopesticide effect in soils. <i>Bioresource Technology</i> , 2004 , 95, 215-21	11	11
36	Mineralization of organic materials in a calcareous soil. <i>Biological Wastes</i> , 1989 , 28, 189-201		11
35	Organic plum cultivation in the Mediterranean region: The medium-term effect of five different organic soil management practices on crop production and microbiological soil quality. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 221, 60-70	5.7	10
34	The use of urban organic wastes in the control of erosion in a semiarid Mediterranean soil. <i>Soil Use and Management</i> , 2006 , 17, 292-293	3.1	10
33	A Comparative Study of the Effect on Barley Growth of Humic Substances Extracted from Municipal Wastes and from Traditional Organic Materials 1996 , 72, 493-500		10
32	Soil Biology Changes as a Consequence of Organic Amendments Subjected to a Severe Drought. <i>Land Degradation and Development</i> , 2017 , 28, 897-905	4.4	8
31	Enzyme activity, microbial biomass and community structure in a long-term restored soil under semi-arid conditions. <i>Soil Research</i> , 2015 , 53, 553	1.8	8
30	The Ecological Dose of Nickel in a Semiarid Soil Amended with Sewage Sludge Related to the Unamended Soil. <i>Water, Air, and Soil Pollution</i> , 2003 , 143, 289-300	2.6	8
29	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	1.5	8
28	The Future of Soil Carbon 2018 , 239-267		7
27	Evaluation of the suitability of using large amounts of urban wastes for degraded arid soil restoration and C fixation. <i>European Journal of Soil Science</i> , 2012 , 63, 650-658	3.4	7
26	A comparative chemical-structural study of fossil humic acids and those extracted from urban wastes. <i>Resources, Conservation and Recycling</i> , 1992 , 6, 231-241	11.9	7
25	Production of biostimulants from okara through enzymatic hydrolysis and fermentation with : comparative effect on soil biological properties. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 2073-2084	2.6	7
24	Response of Soil Microbial Community to a High Dose of Fresh Olive Mill Wastewater. <i>Pedosphere</i> , 2013 , 23, 281-289	5	6

23	Total And Immobilized Enzymatic Activity Of Organic Materials Before And After Composting. <i>Compost Science and Utilization</i> , 2007 , 15, 93-100	1.2	6
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