

Carlos Garcia

List of Publications by Year in descending order

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236
papers

15,615
citations

9786

73
h-index

22832

112
g-index

237
all docs

237
docs citations

237
times ranked

12104
citing authors

#	ARTICLE	IF	CITATIONS
1	Past, present and future of soil quality indices: A biological perspective. <i>Geoderma</i> , 2008, 147, 159-171.	5.1	516
2	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.	8.8	457
3	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.	1.4	414
4	Microbiological degradation index of soils in a semiarid climate. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3463-3473.	8.8	308
5	Soil microbial activity after restoration of a semiarid soil by organic amendments. <i>Soil Biology and Biochemistry</i> , 2003, 35, 463-469.	8.8	294
6	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
7	Microbial activity in soils under mediterranean environmental conditions. <i>Soil Biology and Biochemistry</i> , 1994, 26, 1185-1191.	8.8	241
8	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.	8.8	233
9	Soil microbial activity as a biomarker of degradation and remediation processes. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1877-1883.	8.8	211
10	Effect of hydrocarbon pollution on the microbial properties of a sandy and a clay soil. <i>Chemosphere</i> , 2007, 66, 1863-1871.	8.2	210
11	Chemical and biochemical characterisation of biochar-blended composts prepared from poultry manure. <i>Bioresource Technology</i> , 2012, 110, 396-404.	9.6	203
12	Soil restoration using composted plant residues: Effects on soil properties. <i>Soil and Tillage Research</i> , 2009, 102, 109-117.	5.6	196
13	Soil microbial diversityâ€“biomass relationships are driven by soil carbon content across global biomes. <i>ISME Journal</i> , 2021, 15, 2081-2091.	9.8	186
14	Biochar influences the microbial community structure during manure composting with agricultural wastes. <i>Science of the Total Environment</i> , 2012, 416, 476-481.	8.0	185
15	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.	8.8	183
16	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.	4.3	176
17	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.	4.3	176
18	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.	5.6	175

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19	Root growth promotion by humic acids from composted and non-composted urban organic wastes. <i>Plant and Soil</i> , 2012, 353, 209-220.	3.7	170
20	Growth, yield and solute content of barley in soils treated with sewage sludge under semiarid Mediterranean conditions. <i>Field Crops Research</i> , 2005, 94, 224-237.	5.1	162
21	Application of Two Organic Amendments on Soil Restoration: Effects on the Soil Biological Properties. <i>Journal of Environmental Quality</i> , 2006, 35, 1010-1017.	2.0	162
22	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
23	Influence of salinity on the biological and biochemical activity of a calciorthid soil. <i>Plant and Soil</i> , 1996, 178, 255-263.	3.7	159
24	Ability of different plant species to promote microbiological processes in semiarid soil. <i>Geoderma</i> , 2005, 124, 193-202.	5.1	159
25	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
26	Enzymatic activities in an arid soil amended with urban organic wastes: Laboratory experiment. <i>Bioresource Technology</i> , 1998, 64, 131-138.	9.6	150
27	Differential sensitivity of total and active soil microbial communities to drought and forest management. <i>Global Change Biology</i> , 2017, 23, 4185-4203.	9.5	150
28	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019, 10, 3481.	12.8	148
29	Study on water extract of sewage sludge composts. <i>Soil Science and Plant Nutrition</i> , 1991, 37, 399-408.	1.9	146
30	Composting anaerobic and aerobic sewage sludges using two proportions of sawdust. <i>Waste Management</i> , 2007, 27, 1317-1327.	7.4	144
31	Effect of plant cover decline on chemical and microbiological parameters under Mediterranean climate. <i>Soil Biology and Biochemistry</i> , 2002, 34, 635-642.	8.8	142
32	Bioremediation of oil refinery sludge by landfarming in semiarid conditions: Influence on soil microbial activity. <i>Environmental Research</i> , 2005, 98, 185-195.	7.5	136
33	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.	2.4	136
34	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.	4.3	134
35	A full-scale study of treatment of pig slurry by composting: Kinetic changes in chemical and microbial properties. <i>Waste Management</i> , 2006, 26, 1108-1118.	7.4	117
36	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.	1.4	113

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37	Biochemical Parameters in Soils Regenerated By the Addition of Organic Wastes. <i>Waste Management and Research</i> , 1994, 12, 457-466.	3.9	113
38	A study of biochemical parameters of composted and fresh municipal wastes. <i>Bioresource Technology</i> , 1993, 44, 17-23.	9.6	112
39	Pathogenic bacteria and mineral N in soils following the land spreading of biogas digestates and fresh manure. <i>Applied Soil Ecology</i> , 2011, 49, 18-25.	4.3	112
40	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
41	Improvement of rhizosphere aggregate stability of afforested semiarid plant species subjected to mycorrhizal inoculation and compost addition. <i>Geoderma</i> , 2002, 108, 133-144.	5.1	108
42	Biological and biochemical indicators in derelict soils subject to erosion. <i>Soil Biology and Biochemistry</i> , 1997, 29, 171-177.	8.8	106
43	Soil restoration with organic amendments: linking cellular functionality and ecosystem processes. <i>Scientific Reports</i> , 2015, 5, 15550.	3.3	104
44	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
45	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
46	Use of compost as an alternative to conventional inorganic fertilizers in intensive lettuce (<i>Lactuca</i>) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50	5.6	102
47	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.	4.3	101
48	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.	8.8	98
49	Abiotic stress tolerance and competition-related traits underlie phylogenetic clustering in soil bacterial communities. <i>Ecology Letters</i> , 2014, 17, 1191-1201.	6.4	98
50	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, 651-661.	2.8	96
51	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.	8.8	94
52	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
53	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, 147-154.	9.6	92
54	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, 27-36.	4.3	92

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55	Burning Fire-Prone Mediterranean Shrublands: Immediate Changes in Soil Microbial Community Structure and Ecosystem Functions. <i>Microbial Ecology</i> , 2012, 64, 242-255.	2.8	90
56	Soil agro-ecological management: Fertirrigation and vermicompost treatments. <i>Bioresource Technology</i> , 1997, 59, 199-206.	9.6	89
57	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
58	Microbial communities involved in the bioremediation of an aged recalcitrant hydrocarbon polluted soil by using organic amendments. <i>Bioresource Technology</i> , 2010, 101, 6916-6923.	9.6	89
59	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.	5.3	89
60	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.	9.6	88
61	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
62	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.	1.2	85
63	Changes in Microbial Activity after Abandonment of Cultivation in a Semiarid Mediterranean Environment. <i>Journal of Environmental Quality</i> , 1997, 26, 285-292.	2.0	85
64	Microbiological activity in a soil 15 years after its devegetation. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2503-2507.	8.8	85
65	Nitrogen mineralisation potential in calcareous soils amended with sewage sludge. <i>Bioresource Technology</i> , 2002, 83, 213-219.	9.6	83
66	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.	2.4	82
67	Stimulation of barley growth and nutrient absorption by humic substances originating from various organic materials. <i>Bioresource Technology</i> , 1996, 57, 251-257.	9.6	81
68	Characterization of Urban Wastes According To Fertility and Phytotoxicity Parameters. <i>Waste Management and Research</i> , 1997, 15, 103-112.	3.9	81
69	Adaptation of Methanogenic Communities to the Cofermentation of Cattle Excreta and Olive Mill Wastes at 37Å°C and 55Å°C. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6564-6571.	3.1	80
70	Changes in carbon fractions during composting and maturation of organic wastes. <i>Environmental Management</i> , 1991, 15, 433-439.	2.7	77
71	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.	2.2	77
72	Soil Bioremediation: Combination of Earthworms and Compost for the Ecological Remediation of a Hydrocarbon Polluted Soil. <i>Water, Air, and Soil Pollution</i> , 2006, 177, 383-397.	2.4	77

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73	Effects of atrazine on microbial activity in semiarid soil. <i>Applied Soil Ecology</i> , 2007, 35, 120-127.	4.3	77
74	Bioremediation by Composting of Heavy Oil Refinery Sludge in Semiarid Conditions. <i>Biodegradation</i> , 2006, 17, 251-261.	3.0	75
75	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.	8.8	74
76	Evaluation of urban wastes for agricultural use. <i>Soil Science and Plant Nutrition</i> , 1996, 42, 105-111.	1.9	72
77	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
78	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
79	Do plant clumps constitute microbial hotspots in semiarid Mediterranean patchy landscapes?. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1047-1054.	8.8	71
80	Plant availability of heavy metals in a soil amended with a high dose of sewage sludge under drought conditions. <i>Biology and Fertility of Soils</i> , 2004, 40, 291-299.	4.3	70
81	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.	8.8	69
82	Dissipation Rates of Cyprodinil and Fludioxonil in Lettuce and Table Grape in the Field and under Cold Storage Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4708-4711.	5.2	69
83	Organic Amendment Based on Fresh and Composted Beet Vinasse. <i>Soil Science Society of America Journal</i> , 2006, 70, 900-908.	2.2	69
84	Effect of water deficit on microbial characteristics in soil amended with sewage sludge or inorganic fertilizer under laboratory conditions. <i>Bioresource Technology</i> , 2007, 98, 29-37.	9.6	68
85	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
86	Application of different organic amendments in a gasoline contaminated soil: Effect on soil microbial properties. <i>Bioresource Technology</i> , 2008, 99, 2872-2880.	9.6	67
87	Surface and subsurface organic carbon, microbial biomass and activity in a forest soil sequence. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2233-2243.	8.8	64
88	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
89	Changes in organic matter composition during composting of two digested sewage sludges. <i>Waste Management</i> , 2006, 26, 1370-1376.	7.4	63
90	The influence of composting and maturation processes on the heavy-metal extractability from some organic wastes. <i>Biological Wastes</i> , 1990, 31, 291-301.	0.2	62

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91	Biopesticide effect of green compost against fusarium wilt on melon plants. <i>Journal of Applied Microbiology</i> , 2005, 98, 845-854.	3.1	62
92	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.	8.8	62
93	Hydrolases in the organic matter fractions of sewage sludge: Changes with composting. <i>Bioresource Technology</i> , 1993, 45, 47-52.	9.6	61
94	âœln situâœvermicomposting of biological sludges and impacts on soil quality. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1015-1024.	8.8	61
95	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
96	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
97	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.	3.5	57
98	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.	8.8	57
99	Influence of orientation, vegetation and season on soil microbial and biochemical characteristics under semiarid conditions. <i>Applied Soil Ecology</i> , 2008, 38, 62-70.	4.3	54
100	Effectiveness of municipal waste compost and its humic fraction in suppressing <i>Pythium ultimum</i> . <i>Microbial Ecology</i> , 2002, 44, 59-68.	2.8	53
101	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.	3.2	53
102	Effects of organic amendments on soil carbon fractions, enzyme activity and humusâœenzyme complexes under semi-arid conditions. <i>European Journal of Soil Biology</i> , 2012, 53, 94-102.	3.2	52
103	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.	8.8	52
104	Effect of composting on sewage sludges contaminated with heavy metals. <i>Bioresource Technology</i> , 1995, 53, 13-19.	9.6	51
105	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.	4.3	51
106	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.	4.3	51
107	Biochemical and chemical-structural characterization of different organic materials used as manures. <i>Bioresource Technology</i> , 1996, 57, 201-207.	9.6	50
108	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

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109	Agricultural use of leachates obtained from two different vermicomposting processes. <i>Bioresource Technology</i> , 2008, 99, 6228-6232.	9.6	48
110	Fire modifies the phylogenetic structure of soil bacterial co-occurrence networks. <i>Environmental Microbiology</i> , 2017, 19, 317-327.	3.8	48
111	Characterization of humic acids from uncomposted and composted sewage sludge by degradative and non-degradative techniques. <i>Bioresource Technology</i> , 1992, 41, 53-57.	9.6	47
112	A role for biotic filtering in driving phylogenetic clustering in soil bacterial communities. <i>Global Ecology and Biogeography</i> , 2014, 23, 1346-1355.	5.8	47
113	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.	5.1	47
114	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
115	Addition of Urban Waste to Semiarid Degraded Soil: Long-term Effect. <i>Pedosphere</i> , 2007, 17, 557-567.	4.0	46
116	The effects of struvite and sewage sludge on plant yield and the microbial community of a semiarid Mediterranean soil. <i>Geoderma</i> , 2019, 337, 1051-1057.	5.1	46
117	Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	46
118	The influence of composting on the fertilizing value of an aerobic sewage sludge. <i>Plant and Soil</i> , 1991, 136, 269-272.	3.7	45
119	Native soil organic matter conditions the response of microbial communities to organic inputs with different stability. <i>Geoderma</i> , 2017, 295, 1-9.	5.1	45
120	When drought meets forest management: Effects on the soil microbial community of a Holm oak forest ecosystem. <i>Science of the Total Environment</i> , 2019, 662, 276-286.	8.0	45
121	New Eco-Friendly Polymeric-Coated Urea Fertilizers Enhanced Crop Yield in Wheat. <i>Agronomy</i> , 2020, 10, 438.	3.0	45
122	Plant phylodiversity enhances soil microbial productivity in facilitation-driven communities. <i>Oecologia</i> , 2014, 174, 909-920.	2.0	44
123	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
124	What nurse shrubs can do for barren soils: rapid productivity shifts associated with a 40-year ontogenetic gradient. <i>Plant and Soil</i> , 2015, 388, 197-209.	3.7	43
125	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.	4.3	41
126	<i>Pinus halepensis</i> Mill. plantations did not restore organic carbon, microbial biomass and activity levels in a semi-arid Mediterranean soil. <i>Applied Soil Ecology</i> , 2007, 36, 107-115.	4.3	39

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127	Evaluation of the organic matter composition of raw and composted municipal wastes. <i>Soil Science and Plant Nutrition</i> , 1993, 39, 99-108.	1.9	38
128	Utilization of Vermicomposts in Soil Restoration: Effects on Soil Biological Properties. <i>Soil Science Society of America Journal</i> , 2010, 74, 525-532.	2.2	38
129	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.	1.4	37
130	Role of amendments on N cycling in Mediterranean abandoned semiarid soils. <i>Applied Soil Ecology</i> , 2009, 41, 195-205.	4.3	37
131	Possible Uses for Sludge from Drinking Water Treatment Plants. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	1.4	37
132	Phosphatase and Î ² -glucosidase activities in humic substances from animal wastes. <i>Bioresource Technology</i> , 1995, 53, 79-87.	9.6	36
133	Bioremediation of Soil Degraded by Sewage Sludge: Effects on Soil Properties and Erosion Losses. <i>Environmental Management</i> , 2003, 31, 741-747.	2.7	36
134	Ecological and functional adaptations to water management in a semiarid agroecosystem: a soil metaproteomics approach. <i>Scientific Reports</i> , 2017, 7, 10221.	3.3	34
135	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.	2.7	33
136	Bioremediation of Sewage Sludge by Composting. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 957-971.	1.4	33
137	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.	4.1	33
138	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.	4.3	32
139	Field trial on removal of petroleumâ€hydrocarbon pollutants using a microbial consortium for bioremediation and rhizoremediation. <i>Environmental Microbiology Reports</i> , 2015, 7, 85-94.	2.4	32
140	Enhanced Agronomic Efficiency Using a New Controlled-Released, Polymeric-Coated Nitrogen Fertilizer in Rice. <i>Plants</i> , 2020, 9, 1183.	3.5	32
141	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
142	Behavior of oxyfluorfen in soils amended with different sources of organic matter. Effects on soil biology. <i>Journal of Hazardous Materials</i> , 2014, 273, 207-214.	12.4	31
143	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.	8.0	30
144	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

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145	Biological and Biochemical Quality of a Semiarid Soil after Induced Devegetation. <i>Journal of Environmental Quality</i> , 1997, 26, 1116-1122.	2.0	29
146	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. <i>Molecular Ecology</i> , 2020, 29, 752-761.	3.9	29
147	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.	4.3	28
148	Behavior of two pesticides in a soil subjected to severe drought. Effects on soil biology. <i>Applied Soil Ecology</i> , 2016, 105, 17-24.	4.3	28
149	Comparison of humic acids derived from city refuse with more developed humic acids. <i>Soil Science and Plant Nutrition</i> , 1992, 38, 339-346.	1.9	27
150	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.	0.3	27
151	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
152	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
153	Comparing the impacts of drip irrigation by freshwater and reclaimed wastewater on the soil microbial community of two citrus species. <i>Agricultural Water Management</i> , 2018, 203, 53-62.	5.6	27
154	Prokaryotic communities and potential pathogens in sewage sludge: Response to wastewater origin, loading rate and treatment technology. <i>Science of the Total Environment</i> , 2018, 615, 360-368.	8.0	27
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