Carlos Garcia

List of Publications by Year in descending order

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236 papers	15,615 citations	9775 73 h-index	22808 112 g-index
237 all docs	237 docs citations	237 times ranked	12104 citing authors

#	Article	IF	Citations
1	Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	46
2	Soil microbial diversityâ€“biomass relationships are driven by soil carbon content across global biomes. ISME Journal, 2021, 15, 2081-2091.	4.4	186
3	Agronomic Assessment of a Controlled-Release Polymer-Coated Urea-Based Fertilizer in Maize. Plants, 2021, 10, 594.	1.6	7
4	Organic versus inorganic fertilizers: Response of soil properties and crop yield. AIMS Geosciences, 2021, 7, 415-439.	0.4	13
5	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. Molecular Ecology, 2020, 29, 752-761.	2.0	29
6	Examining the bentonite produced in a biodiesel refinery process as soil amendment in a well-draining soil. Clean Technologies and Environmental Policy, 2020, 22, 1855-1870.	2.1	0
7	Enhanced Agronomic Efficiency Using a New Controlled-Released, Polymeric-Coated Nitrogen Fertilizer in Rice. Plants, 2020, 9, 1183.	1.6	32
8	New Eco-Friendly Polymeric-Coated Urea Fertilizers Enhanced Crop Yield in Wheat. Agronomy, 2020, 10, 438.	1.3	45
9	Land use shapes the resistance of the soil microbial community and the C cycling response to drought in a semi-arid area. Science of the Total Environment, 2019, 648, 1018-1030.	3.9	20
10	Global ecological predictors of the soil priming effect. Nature Communications, 2019, 10, 3481.	5.8	148
11	Solarization-based pesticide degradation results in decreased activity and biomass of the soil microbial community. Geoderma, 2019, 354, 113893.	2.3	12
12	When drought meets forest management: Effects on the soil microbial community of a Holm oak forest ecosystem. Science of the Total Environment, 2019, 662, 276-286.	3.9	45
13	Boron in soil: The impacts on the biomass, composition and activity of the soil microbial community. Science of the Total Environment, 2019, 685, 564-573.	3.9	47
14	A soilâ€quality index for soil from Mediterranean forests. European Journal of Soil Science, 2019, 70, 1001-1011.	1.8	16
15	Composts as alternative to inorganic fertilization for cereal crops. Environmental Science and Pollution Research, 2019, 26, 35340-35352.	2.7	4
16	The effects of struvite and sewage sludge on plant yield and the microbial community of a semiarid Mediterranean soil. Geoderma, 2019, 337, 1051-1057.	2.3	46
17	Production of biostimulants from okara through enzymatic hydrolysis and fermentation with Bacillus licheniformis: comparative effect on soil biological properties. Environmental Technology (United Kingdom), 2019, 40, 2073-2084.	1.2	12
18	Production of an innovative biowaste-derived fertilizer: Rapid monitoring of physical-chemical parameters by hyperspectral imaging. Waste Management, 2018, 75, 141-148.	3.7	12

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19	A tree from waste: Decontaminated dredged sediments for growing forest tree seedlings. Journal of Environmental Management, 2018, 211, 269-277.	3.8	14
20	The extracellular metaproteome of soils under semiarid climate: A methodological comparison of extraction buffers. Science of the Total Environment, 2018, 619-620, 707-711.	3.9	18
21	Comparing the impacts of drip irrigation by freshwater and reclaimed wastewater on the soil microbial community of two citrus species. Agricultural Water Management, 2018, 203, 53-62.	2.4	27
22	Changes in humic fraction characteristics and humus-enzyme complexes formation in semiarid degraded soils restored with fresh and composted urban wastes. A 5-year field experiment. Journal of Soils and Sediments, 2018, 18, 1376-1388.	1.5	9
23	Prokaryotic communities and potential pathogens in sewage sludge: Response to wastewaster origin, loading rate and treatment technology. Science of the Total Environment, 2018, 615, 360-368.	3.9	27
24	Climate shapes the protein abundance of dominant soil bacteria. Science of the Total Environment, 2018, 640-641, 18-21.	3.9	12
25	Soil Erosion and C Losses: Strategies for Building Soil Carbon. , 2018, , 215-238.		8
26	The Future of Soil Carbon. , 2018, , 239-267.		14
27	Innovative system for biochemical monitoring of degraded soils restoration. Catena, 2017, 152, 173-181.	2.2	4
28	Native soil organic matter conditions the response of microbial communities to organic inputs with different stability. Geoderma, 2017, 295, 1-9.	2.3	45
29	Testing decontaminated sediments as a substrate for ornamentals in field nursery plantations. Journal of Environmental Management, 2017, 197, 681-693.	3.8	20
30	Soil Biology Changes as a Consequence of Organic Amendments Subjected to a Severe Drought. Land Degradation and Development, 2017, 28, 897-905.	1.8	15
31	Differential sensitivity of total and active soil microbial communities to drought and forest management. Global Change Biology, 2017, 23, 4185-4203.	4.2	150
32	The impacts of organic amendments: Do they confer stability against drought on the soil microbial community?. Soil Biology and Biochemistry, 2017, 113, 173-183.	4.2	62
33	Agro-forestry management of Paulownia plantations and their impact on soil biological quality: The effects of fertilization and irrigation treatments. Applied Soil Ecology, 2017, 117-118, 46-56.	2.1	19
34	The effects on soil aggregation and carbon fixation of different organic amendments for restoring degraded soil in semiarid areas. European Journal of Soil Science, 2017, 68, 941-950.	1.8	22
35	Ecological and functional adaptations to water management in a semiarid agroecosystem: a soil metaproteomics approach. Scientific Reports, 2017, 7, 10221.	1.6	34
36	2. Soils in Arid and Semiarid Environments: the Importance of Organic Carbon and Microbial Populations. Facing the Future. , 2017, , 15-30.		2

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37	Combined effects of reduced irrigation and water quality on the soil microbial community of a citrus orchard under semi-arid conditions. Soil Biology and Biochemistry, 2017, 104, 226-237.	4.2	94
38	Possible Uses for Sludge from Drinking Water Treatment Plants. Journal of Environmental Engineering, ASCE, 2017, 143, .	0.7	37
39	The Impact ofAllolobophora mollerion Soil Biology Under Different Organic Amendments. Land Degradation and Development, 2017, 28, 918-925.	1.8	3
40	Type and quantity of organic amendments determine the amount of carbon stabilized in particle-size fractions of a semiarid degraded soil. Arid Land Research and Management, 2017, 31, 14-28.	0.6	2
41	Fire modifies the phylogenetic structure of soil bacterial coâ€occurrence networks. Environmental Microbiology, 2017, 19, 317-327.	1.8	48
42	Physiological performance and growth of Viburnum tinus L. on phytoremediated sediments for plant nursing purpose. IForest, 2017, 10, 55-63.	0.5	2
43	Organic amendments for soil restoration in arid and semiarid areas: a review. AIMS Environmental Science, 2017, 4, 640-676.	0.7	27
44	The combination of quarry restoration strategies in semiarid climate induces different responses in biochemical and microbiological soil properties. Applied Soil Ecology, 2016, 107, 33-47.	2.1	51
45	Use of compost as an alternative to conventional inorganic fertilizers in intensive lettuce (Lactuca) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	102
46	Behavior of two pesticides in a soil subjected to severe drought. Effects on soil biology. Applied Soil Ecology, 2016, 105, 17-24.	2.1	28
47	The active microbial diversity drives ecosystem multifunctionality and is physiologically related to carbon availability in Mediterranean semiâ€arid soils. Molecular Ecology, 2016, 25, 4660-4673.	2.0	151
48	The enzymatic and physiological response of the microbial community in semiarid soil to carbon compounds from plants. European Journal of Soil Science, 2016, 67, 456-469.	1.8	14
49	Characterization of a new fertilizer during field trials by hyperspectral imaging. Proceedings of SPIE, 2016, , .	0.8	0
50	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. Agriculture, Ecosystems and Environment, 2016, 221, 60-70.	2.5	12
51	The ecological and physiological responses of the microbial community from a semiarid soil to hydrocarbon contamination and its bioremediation using compost amendment. Journal of Proteomics, 2016, 135, 162-169.	1.2	136
52	Soil restoration with organic amendments: linking cellular functionality and ecosystem processes. Scientific Reports, 2015, 5, 15550.	1.6	104
53	Benefactor and allelopathic shrub species have different effects on the soil microbial community along an environmental severity gradient. Soil Biology and Biochemistry, 2015, 88, 48-57.	4.2	44
54	Accelerated degradation of PAHs using edaphic biostimulants obtained from sewage sludge and chicken feathers. Journal of Hazardous Materials, 2015, 300, 235-242.	6.5	17

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55	The effects of fresh and stabilized pruning wastes on the biomass, structure and activity of the soil microbial community in a semiarid climate. Applied Soil Ecology, 2015, 89, 1-9.	2.1	32
56	Response of Soil Microbial Activity and Biodiversity in Soils Polluted with Different Concentrations of Cypermethrin Insecticide. Archives of Environmental Contamination and Toxicology, 2015, 69, 8-19.	2.1	33
57	A strategy for marginal semiarid degraded soil restoration: A sole addition of compost at a high rate. A five-year field experiment. Soil Biology and Biochemistry, 2015, 89, 61-71.	4.2	52
58	Production of an innovative fertilizer from organic waste: process monitoring by hyperspectral imaging. Proceedings of SPIE, 2015, , .	0.8	1
59	Deforestation fosters bacterial diversity and the cyanobacterial community responsible for carbon fixation processes under semiarid climate: a metaproteomics study. Applied Soil Ecology, 2015, 93, 65-67.	2.1	27
60	What nurse shrubs can do for barren soils: rapid productivity shifts associated with a 40Âyears ontogenetic gradient. Plant and Soil, 2015, 388, 197-209.	1.8	43
61	Field trial on removal of petroleumâ€hydrocarbon pollutants using a microbial consortium for bioremediation and rhizoremediation. Environmental Microbiology Reports, 2015, 7, 85-94.	1.0	32
62	Towards a more sustainable fertilization: Combined use of compost and inorganic fertilization for tomato cultivation. Agriculture, Ecosystems and Environment, 2014, 196, 178-184.	2.5	89
63	Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples. Solid Earth, 2014, 5, 713-719.	1.2	15
64	A role for biotic filtering in driving phylogenetic clustering in soil bacterial communities. Global Ecology and Biogeography, 2014, 23, 1346-1355.	2.7	47
65	Behavior of oxyfluorfen in soils amended with different sources of organic matter. Effects on soil biology. Journal of Hazardous Materials, 2014, 273, 207-214.	6.5	31
66	Metaproteomics of soils from semiarid environment: Functional and phylogenetic information obtained with different protein extraction methods. Journal of Proteomics, 2014, 101, 31-42.	1.2	82
67	Plant phylodiversity enhances soil microbial productivity in facilitation-driven communities. Oecologia, 2014, 174, 909-920.	0.9	44
68	Proteomic analysis of enzyme production by Bacillus licheniformis using different feather wastes as the sole fermentation media. Enzyme and Microbial Technology, 2014, 57, 1-7.	1.6	53
69	Soil aggregation in a semiarid soil amended with composted and non-composted sewage sludgeâ€"A field experiment. Geoderma, 2014, 219-220, 24-31.	2.3	47
70	Bacterial community in semiarid hydrocarbon contaminated soils treated by aeration and organic amendments. International Biodeterioration and Biodegradation, 2014, 94, 200-206.	1.9	26
71	Abiotic stress tolerance and competitionâ€related traits underlie phylogenetic clustering in soil bacterial communities. Ecology Letters, 2014, 17, 1191-1201.	3.0	98
72	The role of lignin and cellulose in the carbon-cycling of degraded soils under semiarid climate and their relation to microbial biomass. Soil Biology and Biochemistry, 2014, 75, 152-160.	4.2	57

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73	Characterization of the microbial community in biological soil crusts dominated by Fulgensia desertorum (Tomin) Poelt and Squamarina cartilaginea (With.) P. James and in the underlying soil. Soil Biology and Biochemistry, 2014, 76, 70-79.	4.2	30
74	ORGANIC WASTES AS ALTERNATIVE TO INORGANIC FERTILIZERS IN CROP CULTIVATION. Acta Horticulturae, 2014, , 371-376.	0.1	0
75	Influence of the Activity of Allobophora molleri in Microbial Activity and Metal Availability of Arsenic-Polluted Soils. Archives of Environmental Contamination and Toxicology, 2013, 65, 449-457.	2.1	7
76	Response of Soil Microbial Community to a High Dose of Fresh Olive Mill Wastewater. Pedosphere, 2013, 23, 281-289.	2.1	9
77	Can the labile carbon contribute to carbon immobilization in semiarid soils? Priming effects and microbial community dynamics. Soil Biology and Biochemistry, 2013, 57, 892-902.	4.2	74
78	Phylogenetic and functional changes in the microbial community of long-term restored soils under semiarid climate. Soil Biology and Biochemistry, 2013, 65, 12-21.	4.2	98
79	Soil microbial community under a nurse-plant species changes in composition, biomass and activity as the nurse grows. Soil Biology and Biochemistry, 2013, 64, 139-146.	4.2	102
80	Co-digestion, biostimulation and bioaugmentation to enhance methanation of brewerâ€™s spent grain. Waste Management and Research, 2013, 31, 805-810.	2.2	18
81	Chemical-Structural Changes of Organic Matter in a Semi-Arid Soil After Organic Amendment. Pedosphere, 2012, 22, 283-293.	2.1	15
82	Organic amendments as strategy to increase organic matter in particle-size fractions of a semi-arid soil. Applied Soil Ecology, 2012, 57, 50-58.	2.1	28
83	Effects of organic amendments on soil carbon fractions, enzyme activity and humusâ€“enzyme complexes under semi-arid conditions. European Journal of Soil Biology, 2012, 53, 94-102.	1.4	52
84	Root growth promotion by humic acids from composted and non-composted urban organic wastes. Plant and Soil, 2012, 353, 209-220.	1.8	170
85	Semiarid soils submitted to severe drought stress: influence on humic acid characteristics in organic-amended soils. Journal of Soils and Sediments, 2012, 12, 503-512.	1.5	6
86	Burning Fire-Prone Mediterranean Shrublands: Immediate Changes in Soil Microbial Community Structure and Ecosystem Functions. Microbial Ecology, 2012, 64, 242-255.	1.4	90
87	Chemical and biochemical characterisation of biochar-blended composts prepared from poultry manure. Bioresource Technology, 2012, 110, 396-404.	4.8	203
88	Biochar influences the microbial community structure during manure composting with agricultural wastes. Science of the Total Environment, 2012, 416, 476-481.	3.9	185
89	Feasibility of a cell separation-proteomic based method for soils with different edaphic properties and microbial biomass. Soil Biology and Biochemistry, 2012, 45, 136-138.	4.2	21
90	Severe drought conditions modify the microbial community structure, size and activity in amended and unamended soils. Soil Biology and Biochemistry, 2012, 50, 167-173.	4.2	233

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91	Evaluation of the suitability of using large amounts of urban wastes for degraded arid soil restoration and C fixation. European Journal of Soil Science, 2012, 63, 650-658.	1.8	8
92	Pathogenic bacteria and mineral N in soils following the land spreading of biogas digestates and fresh manure. Applied Soil Ecology, 2011, 49, 18-25.	2.1	112
93	Resistance and resilience of the soil microbial biomass to severe drought in semiarid soils: The importance of organic amendments. Applied Soil Ecology, 2011, 50, 27-36.	2.1	92
94	Microbial activity in soils under fast-growing Paulownia (Paulownia elongata x fortunei) plantations in Mediterranean areas. Applied Soil Ecology, 2011, 51, 42-51.	2.1	21
95	The biochemical response to different Cr and Cd concentrations in soils amended with organic wastes. Journal of Hazardous Materials, 2011, 185, 204-211.	6.5	16
96	Influence of Stability and Origin of Organic Amendments on Humification in Semiarid Soils. Soil Science Society of America Journal, 2011, 75, 2178-2187.	1.2	25
97	Use of Microbial Activity and Community Structure Shifts to Estimate the Toxicological Risk of Heavy Metal Pollution in Soils with Different Organic Matter Contents. Environmental Science and Engineering, 2011, , 149-166.	0.1	1
98	L-glutaminase Activity of Organic Amendments. Environmental Science and Engineering, 2011, , 311-323.	0.1	0
99	Microbial communities involved in the bioremediation of an aged recalcitrant hydrocarbon polluted soil by using organic amendments. Bioresource Technology, 2010, 101, 6916-6923.	4.8	89
100	Adaptation of Methanogenic Communities to the Cofermentation of Cattle Excreta and Olive Mill Wastes at 37Â°C and 55Â°C. Applied and Environmental Microbiology, 2010, 76, 6564-6571.	1.4	80
101	Utilization of Vermicomposts in Soil Restoration: Effects on Soil Biological Properties. Soil Science Society of America Journal, 2010, 74, 525-532.	1.2	38
102	Response of Eisenia fetida to the application of different organic wastes in an aluminium-contaminated soil. Ecotoxicology and Environmental Safety, 2010, 73, 1944-1949.	2.9	25
103	Tracing Changes in the Microbial Community of a Hydrocarbon-Polluted Soil by Culture-Dependent Proteomics. Pedosphere, 2010, 20, 479-485.	2.1	27
104	Soil Degradation and Rehabilitation: Microorganisms and Functionality. , 2010, , 253-270.		8
105	Evaluation of Microbial Community Activity, Abundance and Structure in a Semiarid Soil Under Cadmium Pollution at Laboratory Level. Water, Air, and Soil Pollution, 2009, 203, 229-242.	1.1	16
106	Long-term effects of devegetation on composition and activities (including transcription) of fungal communities of a semi-arid soil. Biology and Fertility of Soils, 2009, 45, 435-441.	2.3	12
107	Soil metaproteomics: a review of an emerging environmental science. Significance, methodology and perspectives. European Journal of Soil Science, 2009, 60, 845-859.	1.8	103
108	Soil restoration using composted plant residues: Effects on soil properties. Soil and Tillage Research, 2009, 102, 109-117.	2.6	196

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109	Soil organic carbon buffers heavy metal contamination on semiarid soils: Effects of different metal threshold levels on soil microbial activity. European Journal of Soil Biology, 2009, 45, 220-228.	1.4	58
110	Role of amendments on N cycling in Mediterranean abandoned semiarid soils. Applied Soil Ecology, 2009, 41, 195-205.	2.1	37
111	Long-term Effect of Municipal Solid Waste Amendment on Microbial Abundance and Humus-associated Enzyme Activities Under Semiarid Conditions. Microbial Ecology, 2008, 55, 651-661.	1.4	96
112	Effects of biosolarization as methyl bromide alternative for Meloidogyne incognita control on quality of soil under pepper. Biology and Fertility of Soils, 2008, 45, 37-44.	2.3	51
113	Thermostability of Selected Enzymes in Organic Wastes and in their Humic Extract. Applied Biochemistry and Biotechnology, 2008, 149, 277-286.	1.4	3
114	Agricultural use of leachates obtained from two different vermicomposting processes. Bioresource Technology, 2008, 99, 6228-6232.	4.8	48
115	Application of different organic amendments in a gasoline contaminated soil: Effect on soil microbial properties. Bioresource Technology, 2008, 99, 2872-2880.	4.8	67
116	Relationship between the Agricultural Management of a Semiâ€arid Soil and Microbiological Quality. Communications in Soil Science and Plant Analysis, 2008, 39, 421-439.	0.6	6
117	Influence of orientation, vegetation and season on soil microbial and biochemical characteristics under semiarid conditions. Applied Soil Ecology, 2008, 38, 62-70.	2.1	54
118	Application of fresh and composted organic wastes modifies structure, size and activity of soil microbial community under semiarid climate. Applied Soil Ecology, 2008, 40, 318-329.	2.1	279
119	Soil amendments with organic wastes reduce the toxicity of nickel to soil enzyme activities. European Journal of Soil Biology, 2008, 44, 129-140.	1.4	58
120	Past, present and future of soil quality indices: A biological perspective. Geoderma, 2008, 147, 159-171.	2.3	516
121	Total And Immobilized Enzymatic Activity Of Organic Materials Before And After Composting. Compost Science and Utilization, 2007, 15, 93-100.	1.2	7
122	Evaluation of different pig slurry composts as fertilizer of horticultural crops: Effects on selected chemical and microbial properties. Renewable Agriculture and Food Systems, 2007, 22, 307-315.	0.8	14
123	Effects of atrazine on microbial activity in semiarid soil. Applied Soil Ecology, 2007, 35, 120-127.	2.1	77
124	Pinus halepensis Mill. plantations did not restore organic carbon, microbial biomass and activity levels in a semi-arid Mediterranean soil. Applied Soil Ecology, 2007, 36, 107-115.	2.1	39
125	The long-term effects of the management of a forest soil on its carbon content, microbial biomass and activity under a semi-arid climate. Applied Soil Ecology, 2007, 37, 53-62.	2.1	86
126	Effect of hydrocarbon pollution on the microbial properties of a sandy and a clay soil. Chemosphere, 2007, 66, 1863-1871.	4.2	210

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127	Addition of Urban Waste to Semiarid Degraded Soil: Long-term Effect. Pedosphere, 2007, 17, 557-567.	2.1	46
128	Application of Two Organic Wastes in a Soil Polluted by Lead. Journal of Environmental Quality, 2007, 36, 216-225.	1.0	25
129	Effect of water deficit on microbial characteristics in soil amended with sewage sludge or inorganic fertilizer under laboratory conditions. Bioresource Technology, 2007, 98, 29-37.	4.8	68
130	Composting anaerobic and aerobic sewage sludges using two proportions of sawdust. Waste Management, 2007, 27, 1317-1327.	3.7	144
131	Microbial activity in non-agricultural degraded soils exposed to semiarid climate. Science of the Total Environment, 2007, 378, 183-186.	3.9	13
132	Do plant clumps constitute microbial hotspots in semiarid Mediterranean patchy landscapes?. Soil Biology and Biochemistry, 2007, 39, 1047-1054.	4.2	71
133	Assessing the microbiological, biochemical, soil-physical and hydrological effects of amelioration of degraded soils in semiarid Spain. Biologia (Poland), 2007, 62, 542-546.	0.8	9
134	Application of two beet vinasse forms in soil restoration: Effects on soil properties in an arid environment in southern Spain. Agriculture, Ecosystems and Environment, 2007, 119, 289-298.	2.5	50
135	Molecular and physiological bacterial diversity of a semi-arid soil contaminated with different levels of formulated atrazine. Applied Soil Ecology, 2006, 34, 93-102.	2.1	67
136	HUMIC SUBSTANCES AND CLAY MINERALS IN ORGANICALLY-AMENDED SEMIARID SOILS. Soil Science, 2006, 171, 322-333.	0.9	10
137	Application of Two Organic Amendments on Soil Restoration: Effects on the Soil Biological Properties. Journal of Environmental Quality, 2006, 35, 1010-1017.	1.0	162
138	Organic Amendment Based on Fresh and Composted Beet Vinasse. Soil Science Society of America Journal, 2006, 70, 900-908.	1.2	69
139	A full-scale study of treatment of pig slurry by composting: Kinetic changes in chemical and microbial properties. Waste Management, 2006, 26, 1108-1118.	3.7	117
140	Changes in organic matter composition during composting of two digested sewage sludges. Waste Management, 2006, 26, 1370-1376.	3.7	63
141	Soil Bioremediation: Combination of Earthworms and Compost for the Ecological Remediation of a Hydrocarbon Polluted Soil. Water, Air, and Soil Pollution, 2006, 177, 383-397.	1.1	77
142	Bioremediation by Composting of Heavy Oil Refinery Sludge in Semiarid Conditions. Biodegradation, 2006, 17, 251-261.	1.5	75
143	Effect of Cadmium on Microbial Activity and a Ryegrass Crop in Two Semiarid Soils. Environmental Management, 2006, 37, 626-633.	1.2	20
144	Use of organic amendment as a strategy for saline soil remediation: Influence on the physical, chemical and biological properties of soil. Soil Biology and Biochemistry, 2006, 38, 1413-1421.	4.2	457

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145	Surface and subsurface organic carbon, microbial biomass and activity in a forest soil sequence. Soil Biology and Biochemistry, 2006, 38, 2233-2243.	4.2	64
146	Microbiological activity in a soil 15 years after its devegetation. Soil Biology and Biochemistry, 2006, 38, 2503-2507.	4.2	85
147	Hydrolase activities, microbial biomass and bacterial community in a soil after long-term amendment with different composts. Soil Biology and Biochemistry, 2006, 38, 3443-3452.	4.2	183
148	Microbiological degradation index of soils in a semiarid climate. Soil Biology and Biochemistry, 2006, 38, 3463-3473.	4.2	308
149	Biopesticide effect of green compost against fusarium wilt on melon plants. Journal of Applied Microbiology, 2005, 98, 845-854.	1.4	62
150	Ability of different plant species to promote microbiological processes in semiarid soil. Geoderma, 2005, 124, 193-202.	2.3	159
151	Bioremediation of oil refinery sludge by landfarming in semiarid conditions: Influence on soil microbial activity. Environmental Research, 2005, 98, 185-195.	3.7	136
152	Growth, yield and solute content of barley in soils treated with sewage sludge under semiarid Mediterranean conditions. Field Crops Research, 2005, 94, 224-237.	2.3	162
153	Short-Term Effects of Human Trampling on Vegetation and Soil Microbial Activity. Communications in Soil Science and Plant Analysis, 2004, 35, 1591-1603.	0.6	17
154	Plant availability of heavy metals in a soil amended with a high dose of sewage sludge under drought conditions. Biology and Fertility of Soils, 2004, 40, 291-299.	2.3	70
155	Influence of the stabilisation of organic materials on their biopesticide effect in soils. Bioresource Technology, 2004, 95, 215-221.	4.8	13
156	Bioremediation of Soil Degraded by Sewage Sludge: Effects on Soil Properties and Erosion Losses. Environmental Management, 2003, 31, 741-747.	1.2	36
157	Soil microbial activity after restoration of a semiarid soil by organic amendments. Soil Biology and Biochemistry, 2003, 35, 463-469.	4.2	294
158	Toxic effect of cadmium and nickel on soil enzymes and the influence of adding sewage sludge. European Journal of Soil Science, 2003, 54, 377-386.	1.8	109
159	No-tillage, crop residue additions, and legume cover cropping effects on soil quality characteristics under maize in Patzcuaro watershed (Mexico). Soil and Tillage Research, 2003, 72, 65-73.	2.6	175
160	Dissipation Rates of Cyprodinil and Fludioxonil in Lettuce and Table Grape in the Field and under Cold Storage Conditions. Journal of Agricultural and Food Chemistry, 2003, 51, 4708-4711.	2.4	69
161	Persistence of Simazine and Terbuthylazine in a Semiarid Soil after Organic Amendment with Urban Sewage Sludge. Journal of Agricultural and Food Chemistry, 2003, 51, 7359-7365.	2.4	26
162	Bioremediation of Sewage Sludge by Composting. Communications in Soil Science and Plant Analysis, 2003, 34, 957-971.	0.6	33

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163	Improvement of rhizosphere aggregate stability of afforested semiarid plant species subjected to mycorrhizal inoculation and compost addition. Geoderma, 2002, 108, 133-144.	2.3	108
164	Effect of plant cover decline on chemical and microbiological parameters under Mediterranean climate. Soil Biology and Biochemistry, 2002, 34, 635-642.	4.2	142
165	Aggregate stability changes after organic amendment and mycorrhizal inoculation in the afforestation of a semiarid site with Pinus halepensis. Applied Soil Ecology, 2002, 19, 199-208.	2.1	101
166	Toxicity of cadmium to soil microbial activity: effect of sewage sludge addition to soil on the ecological dose. Applied Soil Ecology, 2002, 21, 149-158.	2.1	63
167	Effectiveness of municipal waste compost and its humic fraction in suppressing Pythium ultimum. Microbial Ecology, 2002, 44, 59-68.	1.4	53
168	Persistence of immobilised and total urease and phosphatase activities in a soil amended with organic wastes. Bioresource Technology, 2002, 82, 73-78.	4.8	93
169	Nitrogen mineralisation potential in calcareous soils amended with sewage sludge. Bioresource Technology, 2002, 83, 213-219.	4.8	83
170	The ecological dose value (ED50) for assessing Cd toxicity on ATP content and dehydrogenase and urease activities of soil. Soil Biology and Biochemistry, 2001, 33, 483-489.	4.2	89
171	Influence of one or two successive annual applications of organic fertilisers on the enzyme activity of a soil under barley cultivation. Bioresource Technology, 2001, 79, 147-154.	4.8	92
172	EFFECT OF LONG-TERM MONOCULTURE ON MICROBIOLOGICAL AND BIOCHEMICAL PROPERTIES IN SEMIARID SOILS. Communications in Soil Science and Plant Analysis, 2001, 32, 537-552.	0.6	6
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