

Carlos Garcia

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

235 papers	12,372 citations	65 h-index	100 g-index
236 ext. papers	13,714 ext. citations	5.7 avg, IF	6.42 L-index

#	Paper	IF	Citations
235	Agronomic Assessment of a Controlled-Release Polymer-Coated Urea-Based Fertilizer in Maize. <i>Plants</i> , 2021 , 10,	4.5	2
234	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,	11.5	12
233	Soil microbial diversity-biomass relationships are driven by soil carbon content across global biomes. <i>ISME Journal</i> , 2021 , 15, 2081-2091	11.9	31
232	Organic versus inorganic fertilizers: Response of soil properties and crop yield. <i>AIMS Geosciences</i> , 2021 , 7, 415-439	1.6	2
231	New Eco-Friendly Polymeric-Coated Urea Fertilizers Enhanced Crop Yield in Wheat. <i>Agronomy</i> , 2020 , 10, 438	3.6	20
230	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. <i>Molecular Ecology</i> , 2020 , 29, 752-761	5.7	12
229	Examining the bentonite produced in a biodiesel refinery process as soil amendment in a well-draining soil. <i>Clean Technologies and Environmental Policy</i> , 2020 , 22, 1855-1870	4.3	
228	Enhanced Agronomic Efficiency Using a New Controlled-Released, Polymeric-Coated Nitrogen Fertilizer in Rice. <i>Plants</i> , 2020 , 9,	4.5	12
227	Solarization-based pesticide degradation results in decreased activity and biomass of the soil microbial community. <i>Geoderma</i> , 2019 , 354, 113893	6.7	7
226	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	10.2	25
225	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	10.2	28
224	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	10.2	15
223	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019 , 10, 3481	17.4	56
222	A soil-quality index for soil from Mediterranean forests. <i>European Journal of Soil Science</i> , 2019 , 70, 1001	3.4	6
221	Composts as alternative to inorganic fertilization for cereal crops. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 35340-35352	5.1	4
220	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	6.7	25
219	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

218	Production of an innovative biowaste-derived fertilizer: Rapid monitoring of physical-chemical parameters by hyperspectral imaging. <i>Waste Management</i> , 2018 , 75, 141-148	8.6	9
217	A tree from waste: Decontaminated dredged sediments for growing forest tree seedlings. <i>Journal of Environmental Management</i> , 2018 , 211, 269-277	7.9	8
216	The extracellular metaproteome of soils under semiarid climate: A methodological comparison of extraction buffers. <i>Science of the Total Environment</i> , 2018 , 619-620, 707-711	10.2	14
215	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	5.9	20
214	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. <i>Journal of Soils and Sediments</i> , 2018 , 18, 1376-1388	3.4	7
213	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	10.2	20
212	Soil Erosion and C Losses: Strategies for Building Soil Carbon 2018 , 215-238		5
211	The Future of Soil Carbon 2018 , 239-267		7
210	Climate shapes the protein abundance of dominant soil bacteria. <i>Science of the Total Environment</i> , 2018 , 640-641, 18-21	10.2	10
209	Innovative system for biochemical monitoring of degraded soils restoration. <i>Catena</i> , 2017 , 152, 173-181	5.8	4
208	Native soil organic matter conditions the response of microbial communities to organic inputs with different stability. <i>Geoderma</i> , 2017 , 295, 1-9	6.7	31
207	Testing decontaminated sediments as a substrate for ornamentals in field nursery plantations. <i>Journal of Environmental Management</i> , 2017 , 197, 681-693	7.9	8
206	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
205	Differential sensitivity of total and active soil microbial communities to drought and forest management. <i>Global Change Biology</i> , 2017 , 23, 4185-4203	11.4	89
204	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
203	Agro-forestry management of Paulownia 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	5	12
202	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
201	Ecological and functional adaptations to water management in a semiarid agroecosystem: a soil metaproteomics approach. <i>Scientific Reports</i> , 2017 , 7, 10221	4.9	26

200	2. Soils in Arid and Semiarid Environments: the Importance of Organic Carbon and Microbial Populations. Facing the Future 2017 , 15-30		1
199	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
198	Possible Uses for Sludge from Drinking Water Treatment Plants. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04016088	2	23
197	The Impact of <i>Allolobophora moller</i> on Soil Biology Under Different Organic Amendments. <i>Land Degradation and Development</i> , 2017 , 28, 918-925	4.4	3
196	Type and quantity of organic amendments determine the amount of carbon stabilized in particle-size fractions of a semiarid degraded soil. <i>Arid Land Research and Management</i> , 2017 , 31, 14-28	1.8	2
195	Fire modifies the phylogenetic structure of soil bacterial co-occurrence networks. <i>Environmental Microbiology</i> , 2017 , 19, 317-327	5.2	31
194	Physiological performance and growth of <i>Viburnum tinus</i> L. on phytoremediated sediments for plant nursing purpose. <i>IForest</i> , 2017 , 10, 55-63	1.3	2
193	Organic amendments for soil restoration in arid and semiarid areas: a review. <i>AIMS Environmental Science</i> , 2017 , 4, 640-676	1.9	17
192	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
191	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
190	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
189	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
188	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
187	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
186	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
185	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
184	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
183	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

182	Production of an innovative fertilizer from organic waste: process monitoring by hyperspectral imaging 2015 ,		1
181	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 ⁵		26
180	What nurse shrubs can do for barren soils: rapid productivity shifts associated with a 40 years ontogenetic gradient. <i>Plant and Soil</i> , 2015 , 388, 197-209	4.2	34
179	Field trial on removal of petroleum-hydrocarbon pollutants using a microbial consortium for bioremediation and rhizoremediation. <i>Environmental Microbiology Reports</i> , 2015 , 7, 85-94	3.7	26
178	Soil restoration with organic amendments: linking cellular functionality and ecosystem processes. <i>Scientific Reports</i> , 2015 , 5, 15550	4.9	88
177	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	7.5	33
176	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
175	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
174	Plant phylodiversity enhances soil microbial productivity in facilitation-driven communities. <i>Oecologia</i> , 2014 , 174, 909-20	2.9	35
173	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
172	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
171	Bacterial community in semiarid hydrocarbon contaminated soils treated by aeration and organic amendments. <i>International Biodeterioration and Biodegradation</i> , 2014 , 94, 200-206	4.8	22
170	Abiotic stress tolerance and competition-related traits underlie phylogenetic clustering in soil bacterial communities. <i>Ecology Letters</i> , 2014 , 17, 1191-201	10	73
169	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
168	Characterization of the microbial community in biological soil crusts dominated by <i>Fulgensia desertorum</i> (Tomin) Poelt and <i>Squammarina cartilaginea</i> (With.) P. James and in the underlying soil. <i>Soil Biology and Biochemistry</i> , 2014 , 76, 70-79	7.5	20
167	ORGANIC WASTES AS ALTERNATIVE TO INORGANIC FERTILIZERS IN CROP CULTIVATION. <i>Acta Horticulturae</i> , 2014 , 371-376	0.3	
166	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
165	Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples. <i>Solid Earth</i> , 2014 , 5, 713-719	3.3	12

164	A role for biotic filtering in driving phylogenetic clustering in soil bacterial communities. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1346-1355	6.1	39
163	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
162	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
161	Influence of the activity of <i>Allobophora moller</i> in microbial activity and metal availability of arsenic-polluted soils. <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 65, 449-57	3.2	5
160	Response of Soil Microbial Community to a High Dose of Fresh Olive Mill Wastewater. <i>Pedosphere</i> , 2013 , 23, 281-289	5	6
159	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
158	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
157	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	7.5	76
156	Co-digestion, biostimulation and bioaugmentation to enhance methanation of brewer's spent grain. <i>Waste Management and Research</i> , 2013 , 31, 805-10	4	15
155	Chemical and biochemical characterisation of biochar-blended composts prepared from poultry manure. <i>Bioresource Technology</i> , 2012 , 110, 396-404	11	180
154	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
153	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
152	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
151	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
150	Chemical-Structural Changes of Organic Matter in a Semi-Arid Soil After Organic Amendment. <i>Pedosphere</i> , 2012 , 22, 283-293	5	14
149	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
148	Effects of organic amendments on soil carbon fractions, enzyme activity and humusEnzyme complexes under semi-arid conditions. <i>European Journal of Soil Biology</i> , 2012 , 53, 94-102	2.9	42
147	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

146	Semiarid soils submitted to severe drought stress: influence on humic acid characteristics in organic-amended soils. <i>Journal of Soils and Sediments</i> , 2012 , 12, 503-512	3.4	5
145	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
144	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	5	87
143	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
142	Microbial activity in soils under fast-growing Paulownia (<i>Paulownia elongata</i> x <i>fortunei</i>) plantations in Mediterranean areas. <i>Applied Soil Ecology</i> , 2011 , 51, 42-51	5	14
141	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
140	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
139	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
138	L-glutaminase Activity of Organic Amendments. <i>Environmental Science and Engineering</i> , 2011 , 311-323	0.2	
137	Adaptation of methanogenic communities to the cofermentation of cattle excreta and olive mill wastes at 37 degrees C and 55 degrees C. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 6564-71	4.8	71
136	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
135	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
134	Tracing Changes in the Microbial Community of a Hydrocarbon-Polluted Soil by Culture-Dependent Proteomics. <i>Pedosphere</i> , 2010 , 20, 479-485	5	20
133	Soil Degradation and Rehabilitation: Microorganisms and Functionality 2010 , 253-270		5
132	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
131	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
130	Long-term effects of revegetation on composition and activities (including transcription) of fungal communities of a semi-arid soil. <i>Biology and Fertility of Soils</i> , 2009 , 45, 435-441	6.1	9
129	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

128	Soil restoration using composted plant residues: Effects on soil properties. <i>Soil and Tillage Research</i> , 2009 , 102, 109-117	6.5	157
127	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
126	Role of amendments on N cycling in Mediterranean abandoned semiarid soils. <i>Applied Soil Ecology</i> , 2009 , 41, 195-205	5	33
125	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	1.5	5
124	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
123	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
122	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
121	Past, present and future of soil quality indices: A biological perspective. <i>Geoderma</i> , 2008 , 147, 159-171	6.7	413
120	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
119	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
118	Thermostability of selected enzymes in organic wastes and in their humic extract. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 149, 277-86	3.2	2
117	Agricultural use of leachates obtained from two different vermicomposting processes. <i>Bioresource Technology</i> , 2008 , 99, 6228-32	11	36
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	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
114	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	11	48
113	Composting anaerobic and aerobic sewage sludges using two proportions of sawdust. <i>Waste Management</i> , 2007 , 27, 1317-27	8.6	112
112	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
111	Do plant clumps constitute microbial hotspots in semiarid Mediterranean patchy landscapes?. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1047-1054	7.5	60

110	Assessing the microbiological, biochemical, soil-physical and hydrological effects of amelioration of degraded soils in semiarid Spain. <i>Biologia (Poland)</i> , 2007 , 62, 542-546	1.5	8
109	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
108	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
107	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
106	Effects of atrazine on microbial activity in semiarid soil. <i>Applied Soil Ecology</i> , 2007 , 35, 120-127	5	61
105	Pinus halepensis 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	5	37
104	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
103	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
102	Addition of Urban Waste to Semiarid Degraded Soil: Long-term Effect. <i>Pedosphere</i> , 2007 , 17, 557-567	5	42
101	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
100	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
99	Surface and subsurface organic carbon, microbial biomass and activity in a forest soil sequence. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2233-2243	7.5	54
98	Microbiological activity in a soil 15 years after its devegetation. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2503-2507	7.5	74
97	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
96	Microbiological degradation index of soils in a semiarid climate. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 3463-3473	7.5	229
95	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
94	HUMIC SUBSTANCES AND CLAY MINERALS IN ORGANICALLY-AMENDED SEMIARID SOILS. <i>Soil Science</i> , 2006 , 171, 322-333	0.9	7
93	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

92	Organic Amendment Based on Fresh and Composted Beet Vinasse. <i>Soil Science Society of America Journal</i> , 2006 , 70, 900-908	2.5	56
91	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
90	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
89	Changes in organic matter composition during composting of two digested sewage sludges. <i>Waste Management</i> , 2006 , 26, 1370-6	8.6	55
88	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	2.6	65
87	Bioremediation by composting of heavy oil refinery sludge in semiarid conditions. <i>Biodegradation</i> , 2006 , 17, 251-61	4.1	60
86	Ability of different plant species to promote microbiological processes in semiarid soil. <i>Geoderma</i> , 2005 , 124, 193-202	6.7	135
85	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
84	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	5.5	132
83	Biopesticide effect of green compost against fusarium wilt on melon plants. <i>Journal of Applied Microbiology</i> , 2005 , 98, 845-54	4.7	54
82	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
81	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	6.1	57
80	Influence of the stabilisation of organic materials on their biopesticide effect in soils. <i>Bioresource Technology</i> , 2004 , 95, 215-21	11	11
79	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
78	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
77	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
76	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
75	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, 4708-11	5.7	60

74	Persistence of simazine and terbutylazine in a semiarid soil after organic amendment with urban sewage sludge. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 7359-65	5.7	18
73	Bioremediation of Sewage Sludge by Composting. <i>Communications in Soil Science and Plant Analysis</i> , 2003 , 34, 957-971	1.5	27
72	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
71	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
70	Nitrogen mineralisation potential in calcareous soils amended with sewage sludge. <i>Bioresource Technology</i> , 2002 , 83, 213-9	11	74
69	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
68	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
67	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
66	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
65	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
64	EFFECT OF LONG-TERM MONOCULTURE ON MICROBIOLOGICAL AND BIOCHEMICAL PROPERTIES IN SEMIARID SOILS. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 537-552	1.5	6
63	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	7.5	77
62	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
61	In situ Vermicomposting of biological sludges and impacts on soil quality. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1015-1024	7.5	52
60	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
59	Soil microbial activity as a biomarker of degradation and remediation processes. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1877-1883	7.5	182
58	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
57	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

56	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
55	Enzymatic activities in an arid soil amended with urban organic wastes: Laboratory experiment. <i>Bioresource Technology</i> , 1998 , 64, 131-138	11	131
54	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
53	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
52	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
51	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
50	AM fungal abundance and activity in a chronosequence of abandoned fields in a semiarid mediterranean site. <i>Arid Land Research and Management</i> , 1997 , 11, 211-220		15
49	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
48	Changes in soil biochemical and cracking properties induced by "living mulch" systems. <i>Canadian Journal of Soil Science</i> , 1997 , 77, 579-587	1.4	21
47	Characterization of Urban Wastes According To Fertility and Phytotoxicity Parameters. <i>Waste Management and Research</i> , 1997 , 15, 103-112	4	79
46	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
45	Biological and biochemical indicators in derelict soils subject to erosion. <i>Soil Biology and Biochemistry</i> , 1997 , 29, 171-177	7.5	82
44	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
43	Biological and Biochemical Quality of a Semiarid Soil after Induced Devegetation. <i>Journal of Environmental Quality</i> , 1997 , 26, 1116-1122	3.4	28
42	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
41	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
40	Soil agro-ecological management: Fertirrigation and vermicompost treatments. <i>Bioresource Technology</i> , 1997 , 59, 199-206	11	76
39	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

38	Evaluation of urban wastes for agricultural use. <i>Soil Science and Plant Nutrition</i> , 1996 , 42, 105-111	1.6	56
37	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
36	Organic matter characteristics and nutrient content in eroded soils. <i>Environmental Management</i> , 1996 , 20, 133-141	3.1	16
35	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
34	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
33	Biochemical and chemical-structural characterization of different organic materials used as manures. <i>Bioresource Technology</i> , 1996 , 57, 201-207	11	44
32	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
31	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
30	Effect of bromacil and sewage sludge addition on soil enzymatic activity. <i>Soil Science and Plant Nutrition</i> , 1996 , 42, 191-195	1.6	4
29	Effect of composting on sewage sludges contaminated with heavy metals. <i>Bioresource Technology</i> , 1995 , 53, 13-19	11	45
28	Phosphatase and Glucosidase activities in humic substances from animal wastes. <i>Bioresource Technology</i> , 1995 , 53, 79-87	11	30
27	Fractionation and characterization of humic substance fractions with different molecular weights, obtained from animal wastes. <i>Soil Science and Plant Nutrition</i> , 1995 , 41, 649-658	1.6	3
26	Characterization by isoelectric focusing of the organic matter of a regenerated soil. <i>Communications in Soil Science and Plant Analysis</i> , 1995 , 26, 3033-3041	1.5	1
25	Biochemical Parameters in Soils Regenerated By the Addition of Organic Wastes. <i>Waste Management and Research</i> , 1994 , 12, 457-466	4	109
24	Microbial activity in soils under mediterranean environmental conditions. <i>Soil Biology and Biochemistry</i> , 1994 , 26, 1185-1191	7.5	216
23	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
22	Hydrolases in the organic matter fractions of sewage sludge: Changes with composting. <i>Bioresource Technology</i> , 1993 , 45, 47-52	11	53
21	A study of biochemical parameters of composted and fresh municipal wastes. <i>Bioresource Technology</i> , 1993 , 44, 17-23	11	104

20	Kinetics of phosphatase activity in organic wastes. <i>Soil Biology and Biochemistry</i> , 1993 , 25, 561-565	7.5	24
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	Changes in carbon fractions during composting and maturation of organic wastes. <i>Environmental Management</i> , 1991 , 15, 433-439	3.1	69
6	Humic Substances in Composted Sewage Sludge. <i>Waste Management and Research</i> , 1991 , 9, 189-194	4	19
5	Study on water extract of sewage sludge composts. <i>Soil Science and Plant Nutrition</i> , 1991 , 37, 399-408	1.6	118
4	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
3	Color changes of organic wastes during composting and maturation processes. <i>Soil Science and Plant Nutrition</i> , 1990 , 36, 243-250	1.6	3

2	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
1	Use of biostimulants obtained from okara in the bioremediation of soils polluted by imazamox. <i>Bioremediation Journal</i> ,1-11	2.3	1