

Carlos Garbisu Crespo

List of Publications by Year in descending order

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158
papers

8,679
citations

31949

53
h-index

48277

88
g-index

161
all docs

161
docs citations

161
times ranked

8187
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytoextraction: a cost-effective plant-based technology for the removal of metals from the environment. <i>Bioresource Technology</i> , 2001, 77, 229-236.	4.8	751
2	Recent Findings on the Phytoremediation of Soils Contaminated with Environmentally Toxic Heavy Metals and Metalloids Such as Zinc, Cadmium, Lead, and Arsenic. <i>Reviews in Environmental Science and Biotechnology</i> , 2004, 3, 71-90.	3.9	385
3	Phytoremediation of organic contaminants in soils. <i>Bioresource Technology</i> , 2001, 79, 273-276.	4.8	359
4	Industrial applications of pectic enzymes: a review. <i>Process Biochemistry</i> , 1998, 33, 21-28.	1.8	334
5	Tebuconazole application decreases soil microbial biomass and activity. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2176-2183.	4.2	210
6	From phytoremediation of soil contaminants to phytomanagement of ecosystem services in metal contaminated sites. <i>International Journal of Phytoremediation</i> , 2018, 20, 384-397.	1.7	199
7	Soil Enzyme Activities as Biological Indicators of Soil Health. <i>Reviews on Environmental Health</i> , 2003, 18, 65-73.	1.1	190
8	Aerobic chromate reduction by <i>Bacillus subtilis</i> . <i>Biodegradation</i> , 1998, 9, 133-141.	1.5	155
9	Impact of repeated single-metal and multi-metal pollution events on soil quality. <i>Chemosphere</i> , 2015, 120, 8-15.	4.2	145
10	Relationship between vegetation diversity and soil functional diversity in native mixed-oak forests. <i>Soil Biology and Biochemistry</i> , 2008, 40, 49-60.	4.2	143
11	Phytoremediation: A Technology Using Green Plants to Remove Contaminants from Polluted Areas. <i>Reviews on Environmental Health</i> , 2002, 17, 173-88.	1.1	140
12	Effects of fertilization and tillage on soil biological parameters. <i>Enzyme and Microbial Technology</i> , 2006, 40, 100-106.	1.6	137
13	Effects of chelates on plants and soil microbial community: Comparison of EDTA and EDDS for lead phytoextraction. <i>Science of the Total Environment</i> , 2008, 401, 21-28.	3.9	137
14	Assessment of the phytoextraction potential of high biomass crop plants. <i>Environmental Pollution</i> , 2008, 152, 32-40.	3.7	135
15	Functional diversity as indicator of the recovery of soil health derived from <i>Thlaspi caerulescens</i> growth and metal phytoextraction. <i>Applied Soil Ecology</i> , 2008, 39, 299-310.	2.1	132
16	Application of sewage sludge to agricultural soil increases the abundance of antibiotic resistance genes without altering the composition of prokaryotic communities. <i>Science of the Total Environment</i> , 2019, 647, 1410-1420.	3.9	132
17	Bacterial reduction of selenite to elemental selenium. <i>Chemical Geology</i> , 1996, 132, 199-204.	1.4	130
18	Microbial Monitoring of the Recovery of Soil Quality During Heavy Metal Phytoremediation. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3249-3262.	1.1	120

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19	Adaptation of soil microbial community structure and function to chronic metal contamination at an abandoned Pb-Zn mine. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-11.	1.3	119
20	Chelate-Enhanced Phytoremediation of Soils Polluted with Heavy Metals. <i>Reviews in Environmental Science and Biotechnology</i> , 2004, 3, 55-70.	3.9	118
21	Effects of glyphosate on rhizosphere soil microbial communities under two different plant compositions by cultivation-dependent and -independent methodologies. <i>Soil Biology and Biochemistry</i> , 2009, 41, 505-513.	4.2	116
22	Vegetation diversity and vertical structure as indicators of forest disturbance. <i>Forest Ecology and Management</i> , 2004, 195, 341-354.	1.4	115
23	Potential Benefits and Risks for Soil Health Derived From the Use of Organic Amendments in Agriculture. <i>Agronomy</i> , 2019, 9, 542.	1.3	111
24	Soil microbial community as bioindicator of the recovery of soil functioning derived from metal phytoextraction with sorghum. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1788-1794.	4.2	110
25	Non-target effects of three formulated pesticides on microbially-mediated processes in a clay-loam soil. <i>Science of the Total Environment</i> , 2013, 449, 345-354.	3.9	108
26	Plasmid-Mediated Bioaugmentation for the Bioremediation of Contaminated Soils. <i>Frontiers in Microbiology</i> , 2017, 8, 1966.	1.5	104
27	Evaluation of the phytostabilisation efficiency in a trace elements contaminated soil using soil health indicators. <i>Journal of Hazardous Materials</i> , 2014, 268, 68-76.	6.5	101
28	Assessment of the Efficiency of a Metal Phytoextraction Process with Biological Indicators of Soil Health. <i>Plant and Soil</i> , 2006, 281, 147-158.	1.8	97
29	Evaluation of the Efficiency of a Phytostabilization Process with Biological Indicators of Soil Health. <i>Journal of Environmental Quality</i> , 2009, 38, 2041-2049.	1.0	95
30	Multi-targeted metagenetic analysis of the influence of climate and environmental parameters on soil microbial communities along an elevational gradient. <i>Scientific Reports</i> , 2016, 6, 28257.	1.6	83
31	Chelate-induced phytoextraction of metal polluted soils with <i>Brachiaria decumbens</i> . <i>Chemosphere</i> , 2006, 65, 43-50.	4.2	82
32	EDTA-induced heavy metal accumulation and phytotoxicity in cardoon plants. <i>Environmental and Experimental Botany</i> , 2007, 60, 26-32.	2.0	82
33	Impact of Metal Pollution and <i>Thlaspi caerulescens</i> Growth on Soil Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7843-7853.	1.4	80
34	Native Plant Communities in an Abandoned Pb-Zn Mining Area of Northern Spain: Implications for Phytoremediation and Germplasm Preservation. <i>International Journal of Phytoremediation</i> , 2011, 13, 256-270.	1.7	80
35	<i>Brassica napus</i> has a key role in the recovery of the health of soils contaminated with metals and diesel by rhizoremediation. <i>Science of the Total Environment</i> , 2018, 618, 347-356.	3.9	80
36	The application of fresh and composted horse and chicken manure affects soil quality, microbial composition and antibiotic resistance. <i>Applied Soil Ecology</i> , 2019, 135, 73-84.	2.1	80

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37	Ecosystem services and plant physiological status during endophyte-assisted phytoremediation of metal contaminated soil. <i>Science of the Total Environment</i> , 2017, 584-585, 329-338.	3.9	79
38	Field assessment of the effectiveness of organic amendments for aided phytostabilization of a Pb&Zn contaminated mine soil. <i>Journal of Geochemical Exploration</i> , 2014, 145, 181-189.	1.5	77
39	Interactions between plant and rhizosphere microbial communities in a metalliferous soil. <i>Environmental Pollution</i> , 2010, 158, 1576-1583.	3.7	76
40	Microbial properties and attributes of ecological relevance for soil quality monitoring during a chemical stabilization field study. <i>Applied Soil Ecology</i> , 2014, 75, 1-12.	2.1	74
41	Enhancement of ecosystem services during endophyte-assisted aided phytostabilization of metal contaminated mine soil. <i>Science of the Total Environment</i> , 2016, 562, 480-492.	3.9	72
42	Removal of nitrate from water by foam-immobilized <i>Phormidium laminosum</i> in batch and continuous-flow bioreactors. <i>Journal of Applied Phycology</i> , 1991, 3, 221-234.	1.5	69
43	Assessment of soil quality using microbial properties and attributes of ecological relevance. <i>Applied Soil Ecology</i> , 2011, 49, 1-4.	2.1	68
44	Plant tolerance to diesel minimizes its impact on soil microbial characteristics during rhizoremediation of diesel-contaminated soils. <i>Science of the Total Environment</i> , 2011, 409, 4087-93.	3.9	67
45	Biofilm-Forming Clinical <i>Staphylococcus</i> Isolates Harbor Horizontal Transfer and Antibiotic Resistance Genes. <i>Frontiers in Microbiology</i> , 2017, 8, 2018.	1.5	65
46	Bioavailability of selenium accumulated by selenite-reducing bacteria. <i>Biological Trace Element Research</i> , 1996, 52, 209-225.	1.9	64
47	Phytoextraction potential of two <i>Rumex acetosa</i> L. accessions collected from metalliferous and non-metalliferous sites: Effect of fertilization. <i>Chemosphere</i> , 2009, 74, 259-264.	4.2	64
48	Effects of liming on soil properties and plant performance of temperate mountainous grasslands. <i>Journal of Environmental Management</i> , 2010, 91, 2066-2074.	3.8	64
49	Differences in EDTA-assisted metal phytoextraction between metallicolous and non-metallicolous accessions of <i>Rumex acetosa</i> L.. <i>Environmental Pollution</i> , 2010, 158, 1710-1715.	3.7	64
50	Synthesis of low molecular weight thiols in response to Cd exposure in <i>Thlaspi caerulescens</i> . <i>Plant, Cell and Environment</i> , 2006, 29, 1422-1429.	2.8	62
51	Environmental parameters altered by climate change affect the activity of soil microorganisms involved in bioremediation. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	58
52	How Valuable Are Organic Amendments as Tools for the Phytomanagement of Degraded Soils? The Knowns, Known Unknowns, and Unknowns. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	58
53	Application of organic amendments followed by soil plastic mulching reduces the incidence of <i>Phytophthora capsici</i> in pepper crops under temperate climate. <i>Crop Protection</i> , 2011, 30, 1563-1572.	1.0	57
54	Nitrate and nitrite uptake by free-living and immobilized N-started cells of <i>Phormidium laminosum</i> . <i>Journal of Applied Phycology</i> , 1992, 4, 139-148.	1.5	56

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55	Phytostabilization of Metal Contaminated Soils. <i>Reviews on Environmental Health</i> , 2010, 25, 135-46.	1.1	56
56	The Community Structures of Prokaryotes and Fungi in Mountain Pasture Soils are Highly Correlated and Primarily Influenced by pH. <i>Frontiers in Microbiology</i> , 2015, 6, 1321.	1.5	54
57	Treated and untreated wastewater effluents alter river sediment bacterial communities involved in nitrogen and sulphur cycling. <i>Science of the Total Environment</i> , 2018, 633, 1051-1061.	3.9	54
58	The impact of nanoscale zero-valent iron particles on soil microbial communities is soil dependent. <i>Journal of Hazardous Materials</i> , 2019, 364, 591-599.	6.5	47
59	EFFECTS OF VARIETY AND GROWTH SEASON ON THE ORGANOLEPTIC AND NUTRITIONAL QUALITY OF HYDROPONICALLY GROWN TOMATO. <i>Journal of Food Quality</i> , 2006, 29, 16-37.	1.4	43
60	Tomato quality is more dependent on temperature than on photosynthetically active radiation. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 158-166.	1.7	42
61	Characterization of Composted Organic Amendments for Agricultural Use. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	41
62	Immobilization of pectin lyase from <i>Penicillium italicum</i> by covalent binding to nylon. <i>Enzyme and Microbial Technology</i> , 1996, 18, 141-146.	1.6	39
63	Adaptive Long-Term Monitoring of Soil Health in Metal Phytostabilization: Ecological Attributes and Ecosystem Services Based on Soil Microbial Parameters. <i>International Journal of Phytoremediation</i> , 2014, 16, 971-981.	1.7	39
64	Gentle remediation options for soil with mixed chromium (VI) and lindane pollution: biostimulation, bioaugmentation, phytoremediation and vermiremediation. <i>Heliyon</i> , 2020, 6, e04550.	1.4	37
65	Removal of phosphate by foam-immobilized <i>Phormidium laminosum</i> in batch and continuous-flow bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 57, 181-189.	1.6	35
66	Fertilization can modify the non-target effects of pesticides on soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2012, 48, 125-134.	4.2	35
67	Time course of antioxidant responses of <i>Capsicum annuum</i> subjected to a progressive magnesium deficiency. <i>Annals of Applied Biology</i> , 2005, 146, 123-134.	1.3	32
68	Straw quality for its combustion in a straw-fired power plant. <i>Biomass and Bioenergy</i> , 2001, 21, 249-258.	2.9	29
69	Bioluminescent Bacterial Biosensors for the Assessment of Metal Toxicity and Bioavailability in Soils. <i>Reviews on Environmental Health</i> , 2006, 21, 139-52.	1.1	29
70	Effects of corn stover management on soil quality. <i>European Journal of Soil Biology</i> , 2018, 88, 57-64.	1.4	29
71	Morphological and biochemical responses of <i>Bacillus subtilis</i> to selenite stress. <i>BioFactors</i> , 1999, 10, 311-319.	2.6	28
72	Utilization of genetically engineered microorganisms (GEMs) for bioremediation. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 599-606.	1.6	28

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73	Plants against the global epidemic of arsenic poisoning. <i>Environment International</i> , 2004, 30, 949-951.	4.8	28
74	Dynamic Quality Index for agricultural soils based on fuzzy logic. <i>Ecological Indicators</i> , 2016, 60, 678-692.	2.6	28
75	The Application of Nanoscale Zero-Valent Iron Promotes Soil Remediation While Negatively Affecting Soil Microbial Biomass and Activity. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	28
76	Mobile genetic elements and antibiotic resistance in mine soil amended with organic wastes. <i>Science of the Total Environment</i> , 2018, 621, 725-733.	3.9	27
77	Effects of the application of an organic amendment and nanoscale zero-valent iron particles on soil Cr(VI) remediation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31726-31736.	2.7	27
78	Long-term phytomanagement with compost and a sunflower " Tobacco rotation influences the structural microbial diversity of a Cu-contaminated soil. <i>Science of the Total Environment</i> , 2020, 700, 134529.	3.9	26
79	Thioredoxin γ 2h overexpressed in barley seeds enhances selenite resistance and uptake during germination and early seedling development. <i>Planta</i> , 2003, 218, 186-191.	1.6	25
80	Keep and promote biodiversity at polluted sites under phytomanagement. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44820-44834.	2.7	25
81	Repeated biodisinfection controls the incidence of Phytophthora root and crown rot of pepper while improving soil quality. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 794.	0.3	25
82	Long-term effects of aided phytostabilisation on microbial communities of metal-contaminated mine soil. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw252.	1.3	23
83	Antibiotic Resistance in Agricultural Soil and Crops Associated to the Application of Cow Manure-Derived Amendments From Conventional and Organic Livestock Farms. <i>Frontiers in Veterinary Science</i> , 2021, 8, 633858.	0.9	23
84	Dendroremediation of Heavy Metal Polluted Soils. <i>Reviews on Environmental Health</i> , 2008, 23, 223-34.	1.1	22
85	Reflections on soil contamination research from a biologist's point of view. <i>Applied Soil Ecology</i> , 2016, 105, 207-210.	2.1	22
86	Application of in situ bioremediation strategies in soils amended with sewage sludges. <i>Science of the Total Environment</i> , 2021, 766, 144099.	3.9	22
87	Type IV Coupling Proteins as Potential Targets to Control the Dissemination of Antibiotic Resistance. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 201.	1.6	21
88	Successful remediation of soils with mixed contamination of chromium and lindane: Integration of biological and physico-chemical strategies. <i>Environmental Research</i> , 2021, 194, 110666.	3.7	21
89	Aquatic macrophytes as biological indicators of environmental conditions of rivers in north-eastern Spain. <i>Annales De Limnologie</i> , 2005, 41, 175-182.	0.6	20
90	Application of ecological risk assessment based on a novel TRIAD-tiered approach to contaminated soil surrounding a closed non-sealed landfill. <i>Science of the Total Environment</i> , 2015, 514, 49-59.	3.9	20

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91	Regenerative rotational grazing management of dairy sheep increases springtime grass production and topsoil carbon storage. <i>Ecological Indicators</i> , 2021, 125, 107484.	2.6	19
92	Contextualization of the Bioeconomy Concept through Its Links with Related Concepts and the Challenges Facing Humanity. <i>Sustainability</i> , 2021, 13, 7746.	1.6	19
93	Nitrogen transformations and greenhouse gas emissions from a riparian wetland soil: An undisturbed soil column study. <i>Science of the Total Environment</i> , 2011, 409, 763-770.	3.9	18
94	Application of sugar beet vinasse followed by solarization reduces the incidence of <i>Meloidogyne incognita</i> in pepper crops while improving soil quality. <i>Phytoparasitica</i> , 2013, 41, 181-191.	0.6	18
95	Grazing Intensity, Aspect, and Slope Effects on Limestone Grassland Structure. <i>Journal of Range Management</i> , 2004, 57, 606.	0.3	17
96	Phytomanagement of Metal(loid)-Contaminated Soils: Options, Efficiency and Value. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	17
97	Impact of sources of environmental degradation on microbial community dynamics in non-polluted and metal-polluted soils. <i>Science of the Total Environment</i> , 2012, 433, 264-272.	3.9	16
98	Short-term effects of non-grazing on plants, soil biota and aboveground-belowground links in Atlantic mountain grasslands. <i>Scientific Reports</i> , 2017, 7, 15097.	1.6	16
99	In situ phytomanagement with <i>Brassica napus</i> and bio-stabilised municipal solid wastes is a suitable strategy for redevelopment of vacant urban land. <i>Urban Forestry and Urban Greening</i> , 2020, 47, 126550.	2.3	16
100	Molecular Microbial Biodiversity Assessment: A Biological Indicator of Soil Health. <i>Reviews on Environmental Health</i> , 2003, 18, 131-51.	1.1	15
101	Suitability of the antioxidative system as marker of magnesium deficiency in <i>Capsicum annum</i> L. plants under controlled conditions. <i>Plant Growth Regulation</i> , 2005, 46, 51-59.	1.8	15
102	Deltamethrin Degradation and Soil Microbial Activity in a Riparian Wetland Soil. <i>Soil Science</i> , 2009, 174, 220-228.	0.9	15
103	Commercial and farm fermented liquid organic amendments to improve soil quality and lettuce yield. <i>Journal of Environmental Management</i> , 2020, 264, 110422.	3.8	15
104	Mycorrhizal-Assisted Phytoremediation and Intercropping Strategies Improved the Health of Contaminated Soil in a Peri-Urban Area. <i>Frontiers in Plant Science</i> , 2021, 12, 693044.	1.7	15
105	Assessing the performance of nonparametric estimators of species richness in meadows. <i>Biodiversity and Conservation</i> , 2010, 19, 1417-1436.	1.2	14
106	Agro-industrial wastes as effective amendments for ecotoxicity reduction and soil health improvement in aided phytostabilization. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10036-10044.	2.7	14
107	Effect of Intraspecific Competition on Progeny Production of <i>Tomicus piniperda</i> (Coleoptera: Tj ETQq1 1 0.784314 r _g BT /Overlock 10 Tj	0.7	13
108	Consequences of soil sampling depth during the assessment of the effects of tillage and fertilization on soil quality: a common oversight. <i>Soil and Tillage Research</i> , 2010, 109, 169-173.	2.6	13

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109	Early gene expression in <i>Pseudomonas fluorescens</i> exposed to a polymetallic solution. <i>Cell Biology and Toxicology</i> , 2015, 31, 39-81.	2.4	13
110	Microbial properties for the derivation of critical risk limits in cadmium contaminated soil. <i>Applied Soil Ecology</i> , 2016, 99, 19-28.	2.1	13
111	Inorganic nitrogen and phosphate removal from water by free-living and polyvinyl-immobilized <i>Phormidium laminosum</i> in batch and continuous-flow bioreactors. <i>Enzyme and Microbial Technology</i> , 1994, 16, 395-401.	1.6	12
112	Phosphate uptake by phosphorus-starved cells of the cyanobacterium <i>Phormidium laminosum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1997, 13, 699-705.	1.7	12
113	Biodiversity and agroecosystems. <i>Biodiversity and Conservation</i> , 2003, 12, 2521-2522.	1.2	12
114	cDNA microarray assessment of early gene expression profiles in <i>Escherichia coli</i> cells exposed to a mixture of heavy metals. <i>Cell Biology and Toxicology</i> , 2014, 30, 207-232.	2.4	12
115	Agricultural Soils Amended With Thermally-Dried Anaerobically-Digested Sewage Sludge Showed Increased Risk of Antibiotic Resistance Dissemination. <i>Frontiers in Microbiology</i> , 2021, 12, 666854.	1.5	12
116	Quantification of the environmental effectiveness of nature-based solutions for increasing the resilience of cities under climate change. <i>Urban Forestry and Urban Greening</i> , 2022, 67, 127433.	2.3	12
117	β -Transeliminatio of citrus pectin catalyzed by <i>penicillium italicum</i> pectin lyase in a membrane reactor. <i>Applied Biochemistry and Biotechnology</i> , 1995, 55, 249-259.	1.4	11
118	Resposta antioxidante, forma e composição de fitoquelatinas e composição de pigmentos fotoprotetores em <i>Brachiaria decumbens</i> Stapf submetida à contaminação com Cd e Zn. <i>Química Nova</i> , 2011, 34, 16-20.	0.3	11
119	Effectiveness and ecotoxicity of zero-valent iron nanoparticles during rhizoremediation of soil contaminated with Zn, Cu, Cd and diesel. <i>Data in Brief</i> , 2018, 17, 47-56.	0.5	11
120	Impact of the application of commercial and farm-made fermented liquid organic amendments on corn yield and soil quality. <i>Applied Soil Ecology</i> , 2020, 153, 103643.	2.1	11
121	Economic and environmental assessment of bacterial poly(3-hydroxybutyrate) production from the organic fraction of municipal solid waste. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	11
122	Early transcriptomic response of <i>Arabidopsis thaliana</i> to polymetallic contamination: implications for the identification of potential biomarkers of metal exposure. <i>Metallomics</i> , 2016, 8, 518-531.	1.0	10
123	Conjugative Coupling Proteins and the Role of Their Domains in Conjugation, Secondary Structure and in vivo Subcellular Location. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 185.	1.6	10
124	Zero-valent iron nanoparticles and organic amendment assisted rhizoremediation of mixed contaminated soil using <i>Brassica napus</i> . <i>Environmental Technology and Innovation</i> , 2022, 28, 102621.	3.0	10
125	Phytoextraction and Phytofiltration of Arsenic. <i>Reviews on Environmental Health</i> , 2006, 21, 43-56.	1.1	9
126	Heavy Metal Phytoremediation: Microbial Indicators of Soil Health for the Assessment of Remediation Efficiency. <i>Soil Biology</i> , 2009, , 299-313.	0.6	9

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127	Remediation of Organically Contaminated Soil Through the Combination of Assisted Phytoremediation and Bioaugmentation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4757.	1.3	9
128	The microbiota of technosols resembles that of a nearby forest soil three years after their establishment. <i>Chemosphere</i> , 2019, 220, 600-610.	4.2	9
129	Effect of heavy metals on chromate reduction by <i>Bacillus subtilis</i> .. <i>Journal of General and Applied Microbiology</i> , 1997, 43, 369-371.	0.4	9
130	Viscosity decrease of pectin and fruit juices catalyzed by pectin lyase from <i>Penicillium italicum</i> in batch and continuous-flow membrane reactors. <i>Biotechnology Letters</i> , 1995, 9, 95.	0.5	8
131	Evaluation of recycled rockwool as a component of peat-based mixtures for geranium (<i>Pelargonium peltatum</i> L.) production. <i>Journal of Horticultural Science and Biotechnology</i> , 2003, 78, 213-218.	0.9	8
132	Beneficial Effects of Organic Fertilization and No-Tillage on Fine-Textured Soil Properties Under Two Different Forage Crop Rotations. <i>Soil Science</i> , 2010, 175, 173-185.	0.9	8
133	Functional diversity and dynamics of bacterial communities in a membrane bioreactor for the treatment of metal-working fluid wastewater. <i>Journal of Water and Health</i> , 2015, 13, 1006-1019.	1.1	8
134	Technosols made from urban and industrial wastes are a good option for the reclamation of abandoned city plots. <i>Geoderma</i> , 2020, 377, 114563.	2.3	8
135	Acidification alters the functionality of metal polluted soils. <i>Applied Soil Ecology</i> , 2021, 163, 103920.	2.1	8
136	EDTA reduces the physiological damage of lead on cardoon plants grown hydroponically. <i>European Physical Journal Special Topics</i> , 2003, 107, 613-616.	0.2	7
137	Links between pseudometallophytes and rhizosphere microbial communities in a metalliferous soil. <i>Pedobiologia</i> , 2012, 55, 219-225.	0.5	7
138	Reducing costs in biodiversity monitoring: Shortcuts for plant diversity in meadows as a case study. <i>Ecological Indicators</i> , 2013, 24, 96-104.	2.6	7
139	Modification of soil enzyme activities as a consequence of replacing meadows by pine plantations under temperate climate. <i>Pedobiologia</i> , 2014, 57, 61-66.	0.5	7
140	Reflections and Insights on the Evolution of the Biological Remediation of Contaminated Soils. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	7
141	Climbing a Ladder: A Step-by-Step Approach to Understanding the Concept of Agroecosystem Health. <i>Reviews on Environmental Health</i> , 2004, 19, 141-59.	1.1	6
142	Inoculation of arbuscular mycorrhizal fungi increases lettuce yield without altering natural soil communities. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 413-430.	1.3	6
143	Reduction of the resistome risk from cow slurry and manure microbiomes to soil and vegetable microbiomes. <i>Environmental Microbiology</i> , 2021, 23, 7643-7660.	1.8	6
144	Recent Trends in Sustainable Remediation of Pb-Contaminated Shooting Range Soils: Rethinking Waste Management within a Circular Economy. <i>Processes</i> , 2021, 9, 572.	1.3	5

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145	Optimization of the Bioactivation of Isoflavones in Soymilk by Lactic Acid Bacteria. <i>Processes</i> , 2021, 9, 963.	1.3	5
146	A Comparison of IPCC Guidelines and Allocation Methods to Estimate the Environmental Impact of Barley Production in the Basque Country through Life Cycle Assessment (LCA). <i>Agriculture (Switzerland)</i> , 2021, 11, 1005.	1.4	5
147	Assessment of the Development of Forest-Based Bioeconomy in European Regions. <i>Sustainability</i> , 2022, 14, 4747.	1.6	5
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149	Links between data on chemical and biological quality parameters in wastewater-impacted river sediment and water samples. <i>Data in Brief</i> , 2018, 19, 616-622.	0.5	4
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157	Evaluating the Restoration of Degraded Agricultural Soils Under Organic Fertilization. <i>Environmental Science and Engineering</i> , 2011, , 211-218.	0.1	0
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