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List of Publications by Year
in descending order

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59 papers	8,842 citations	101543 36 h-index	144013 57 g-index
59 all docs	59 docs citations	59 times ranked	8186 citing authors

#	Article	IF	Citations
1	Biochar effects on soil biota â€“ A review. Soil Biology and Biochemistry, 2011, 43, 1812-1836.	8.8	3,514
2	Oxidation of black carbon by biotic and abiotic processes. Organic Geochemistry, 2006, 37, 1477-1488.	1.8	942
3	Black carbon affects the cycling of non-black carbon in soil. Organic Geochemistry, 2010, 41, 206-213.	1.8	530
4	Influence of the Size of Indigenous Rhizobial Populations on Establishment and Symbiotic Performance of Introduced Rhizobia on Field-Grown Legumes. Applied and Environmental Microbiology, 1991, 57, 19-28.	3.1	333
5	Stability of biomass-derived black carbon in soils. Geochimica Et Cosmochimica Acta, 2008, 72, 6069-6078.	3.9	287
6	Manipulation of rhizobia microflora for improving legume productivity and soil fertility: A critical assessment. Plant and Soil, 1995, 174, 143-180.	3.7	267
7	Amazonian Anthrosols Support Similar Microbial Communities that Differ Distinctly from Those Extant in Adjacent, Unmodified Soils of the Same Mineralogy. Microbial Ecology, 2010, 60, 192-205.	2.8	186
8	Diversity of Planctomycetes in Soil in Relation to Soil History and Environmental Heterogeneity. Applied and Environmental Microbiology, 2006, 72, 4522-4531.	3.1	166
9	Reduced microbial stability in the active layer is associated with carbon loss under alpine permafrost degradation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	138
10	Soil Microbial Community Analysis using Terminal Restriction Fragment Length Polymorphisms. Soil Science Society of America Journal, 2007, 71, 579-591.	2.2	131
11	Longâ€Term Effects of Harvesting Maize Stover and Tillage on Soil Quality. Soil Science Society of America Journal, 2008, 72, 960-969.	2.2	119
12	Molecular signature and sources of biochemical recalcitrance of organic C in Amazonian Dark Earths. Geochimica Et Cosmochimica Acta, 2007, 71, 2285-2298.	3.9	118
13	Modeling Symbiotic Performance of Introduced Rhizobia in the Field by Use of Indices of Indigenous Population Size and Nitrogen Status of the Soil. Applied and Environmental Microbiology, 1991, 57, 29-37.	3.1	116
14	Transgenic Bt rice does not affect enzyme activities and microbial composition in the rhizosphere during crop development. Soil Biology and Biochemistry, 2008, 40, 475-486.	8.8	112
15	Orchard floor management practices that maintain vegetative or biomass groundcover stimulate soil microbial activity and alter soil microbial community composition. Plant and Soil, 2005, 271, 377-389.	3.7	103
16	Microbial community development in the rhizosphere of apple trees at a replant disease site. Soil Biology and Biochemistry, 2007, 39, 1645-1654.	8.8	95
17	Partitioning the contributions of biochar properties to enhanced biological nitrogen fixation in common bean (Phaseolus vulgaris). Biology and Fertility of Soils, 2015, 51, 479-491.	4.3	86
18	Long-term orchard groundcover management systems affect soil microbial communities and apple replant disease severity. Plant and Soil, 2008, 304, 209-225.	3.7	85

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19	EVALUATION OF LABORATORY-MEASURED SOIL PROPERTIES AS INDICATORS OF SOIL PHYSICAL QUALITY. Soil Science, 2007, 172, 895-912.	0.9	83
20	Mitigating methane emission from paddy soil with rice-straw biochar amendment under projected climate change. Scientific Reports, 2016, 6, 24731.	3.3	79
21	Rootstock genotype and orchard replant position rather than soil fumigation or compost amendment determine tree growth and rhizosphere bacterial community composition in an apple replant soil. Plant and Soil, 2004, 264, 247-260.	3.7	75
22	Rootstock genotype succession influences apple replant disease and root-zone microbial community composition in an orchard soil. Plant and Soil, 2010, 337, 259-272.	3.7	75
23	Environmental effects on competition for nodule occupancy between introduced and indigenous rhizobia and among introduced strains. Canadian Journal of Microbiology, 1992, 38, 493-500.	1.7	71
24	Soil fumigation and compost amendment alter soil microbial community composition but do not improve tree growth or yield in an apple replant site. Soil Biology and Biochemistry, 2006, 38, 587-599.	8.8	71
25	Use of 13C labeling to assess carbon partitioning in transgenic and nontransgenic (parental) rice and their rhizosphere soil microbial communities. FEMS Microbiology Ecology, 2009, 67, 93-102.	2.7	68
26	Soil Protein as a Rapid Soil Health Indicator of Potentially Available Organic Nitrogen. Agricultural and Environmental Letters, 2018, 3, 180006.	1.2	65
27	Subgroups of the Cowpea Miscellany: Symbiotic Specificity within Bradyrhizobium spp. for Vigna unguiculata, Phaseolus lunatus, Arachis hypogaea , and Macroptilium atropurpureum. Applied and Environmental Microbiology, 1991, 57, 1540-1545.	3.1	63
28	The Influence of Vegetation in Riparian Filterstrips on Coliform Bacteria: I. Movement and Survival in Water. Journal of Environmental Quality, 2000, 29, 1206-1214.	2.0	60
29	Soil organic matter attenuates the efficacy of flavonoid-based plant-microbe communication. Science Advances, 2020, 6, eaax8254.	10.3	60
30	An ecological assessment of transgenic crops. Journal of Development Studies, 2007, 43, 97-129.	2.1	54
31	Decomposition of Bt and Non-Bt Corn Hybrid Residues in the Field. Nutrient Cycling in Agroecosystems, 2008, 80, 211-222.	2.2	53
32	Choice of organic amendments in tomato transplants has lasting effects on bacterial rhizosphere communities and crop performance in the field. Applied Soil Ecology, 2011, 48, 94-101.	4.3	49
33	The Influence of Vegetation in Riparian Filterstrips on Coliform Bacteria: II. Survival in Soils. Journal of Environmental Quality, 2000, 29, 1215-1224.	2.0	45
34	Soil bacterial and archaeal community composition reflects high spatial heterogeneity of pH, bioavailable Zn, and Cu in a metalliferous peat soil. Soil Biology and Biochemistry, 2013, 66, 102-109.	8.8	45
35	Factors associated with biological nitrogen fixation in dairy pastures in south-western Victoria. Australian Journal of Agricultural Research, 1999, 50, 261.	1.5	40
36	Dissipation of Fomesafen in New York State Soils and Potential to Cause Carryover Injury to Sweet Corn. Weed Technology, 2007, 21, 206-212.	0.9	38

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37	Decomposition of Bt transgenic rice residues and response of soil microbial community in rapeseedâ€“rice cropping system. Plant and Soil, 2010, 336, 279-290.	3.7	38
38	Diversity and Community Structure of Archaea Inhabiting the Rhizoplane of Two Contrasting Plants from an Acidic Bog. Microbial Ecology, 2010, 59, 757-767.	2.8	36
39	Soil properties change during the transition to integrated and organic apple production in a New York orchard. Applied Soil Ecology, 2011, 48, 18-30.	4.3	32
40	Decomposition Rates and Residue-Colonizing Microbial Communities of Bacillus thuringiensis Insecticidal Protein Cry3Bb-Expressing (Bt) and Non-Bt Corn Hybrids in the Field. Applied and Environmental Microbiology, 2011, 77, 839-846.	3.1	30
41	Methanol-linked synergy between aerobic methanotrophs and denitrifiers enhanced nitrate removal efficiency in a membrane biofilm reactor under a low O2:CH4 ratio. Water Research, 2020, 174, 115595.	11.3	29
42	Biochar amendment pyrolysed with rice straw increases rice production and mitigates methane emission over successive three years. Waste Management, 2020, 118, 1-8.	7.4	26
43	Soil microbial community responses to Bt transgenic rice residue decomposition in a paddy field. Journal of Soils and Sediments, 2010, 10, 1598-1605.	3.0	24
44	The influence of winter soil cover on spring nitrous oxide emissions from an agricultural soil. Soil Biology and Biochemistry, 2011, 43, 1989-1991.	8.8	24
45	DNA extraction efficiency from soil as affected by pyrolysis temperature and extractable organic carbon of high-ash biochar. Soil Biology and Biochemistry, 2017, 115, 129-136.	8.8	24
46	Annual nitrogen fixation in grazed dairy pastures in south-western Victoria. Australian Journal of Agricultural Research, 1999, 50, 273.	1.5	23
47	Siderophore production of African dust microorganisms over Trinidad and Tobago. Aerobiologia, 2012, 28, 391-401.	1.7	20
48	Rhizosphere microbial community and Zn uptake by willow (Salix purpurea L.) depend on soil sulfur concentrations in metalliferous peat soils. Applied Soil Ecology, 2013, 67, 53-60.	4.3	19
49	Effect of rice cultivation systems on nitrogen cycling and nitrifying bacterial community structure. Applied Soil Ecology, 2009, 43, 139-149.	4.3	18
50	Underground Knowledge: Estimating the Impacts of Soil Information Transfers Through Experimental Auctionsâ€. American Journal of Agricultural Economics, 2020, 102, 1468-1493.	4.3	16
51	Decomposition of Bacillus thuringiensis (Bt) transgenic rice residues (straw and roots) in paddy fields. Journal of Soils and Sediments, 2009, 9, 457-467.	3.0	15
52	Stability of Cry3Bb1 protein in soils and its degradation in transgenic corn residues. Soil Biology and Biochemistry, 2014, 76, 119-126.	8.8	15
53	Changes in Bacterial Community Composition in the System of Rice Intensification (SRI) in Chiang Mai, Thailand. Microbes and Environments, 2010, 25, 224-227.	1.6	8
54	In-field rates of decomposition and microbial communities colonizing residues vary by depth of residue placement and plant part, but not by crop genotype for residues from two Cry1Ab Bt corn hybrids and their non-transgenic isolines. Soil Biology and Biochemistry, 2013, 57, 349-355.	8.8	8

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55	Short-term carbon allocation and root lignin of Cry3Bb Bt and NonBt corn in the presence of corn rootworm. Applied Soil Ecology, 2012, 57, 16-22.	4.3	7
56	Nodulation of beans with inoculant carriers from pyrolyzed and non-pyrolyzed sugarcane bagasse in response to different pre-planting water availability. Applied Soil Ecology, 2019, 143, 126-133.	4.3	5
57	Geographic sharing of ribotype patterns in Enterococcus faecalis for bacterial source tracking. Journal of Water and Health, 2007, 5, 539-551.	2.6	3
58	Groundcover Management Systems Influence Soil Microbial Community Composition in an Apple Orchard. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 842C-842.	1.0	0
59	Apple Root stocks and Pre-plant Soil Treatments Alter Soil Microbial Community Composition in a New York Orchard. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1128C-1128.	1.0	0