Janice E Thies

List of Publications by Year
in descending order

59 papers	8,842 citations	116194 36 h-index	162838 57 g-index
59 all docs	59 docs citations	59 times ranked	9164 citing authors

#	Article	IF	Citations
1	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, .	3.3	138
2	Biochar amendment pyrolysed with rice straw increases rice production and mitigates methane emission over successive three years. Waste Management, 2020, 118, 1-8.	3.7	26
3	Underground Knowledge: Estimating the Impacts of Soil Information Transfers Through Experimental Auctionsâ€. American Journal of Agricultural Economics, 2020, 102, 1468-1493.	2.4	16
4	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.	5.3	29
5	Soil organic matter attenuates the efficacy of flavonoid-based plant-microbe communication. Science Advances, 2020, 6, eaax8254.	4.7	60
6	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.	2.1	5
7	Soil Protein as a Rapid Soil Health Indicator of Potentially Available Organic Nitrogen. Agricultural and Environmental Letters, 2018, 3, 180006.	0.8	65
8	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.	4.2	24
9	Mitigating methane emission from paddy soil with rice-straw biochar amendment under projected climate change. Scientific Reports, 2016, 6, 24731.	1.6	79
10	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.	2.3	86
11	Stability of Cry3Bb1 protein in soils and its degradation in transgenic corn residues. Soil Biology and Biochemistry, 2014, 76, 119-126.	4.2	15
12	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.	2.1	19
13	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.	4.2	8
14	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.	4.2	45
15	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.	2.1	7
16	Siderophore production of African dust microorganisms over Trinidad and Tobago. Aerobiologia, 2012, 28, 391-401.	0.7	20
17	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.	2.1	49
18	Soil properties change during the transition to integrated and organic apple production in a New York orchard. Applied Soil Ecology, 2011, 48, 18-30.	2.1	32

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19	Biochar effects on soil biota â€“ A review. Soil Biology and Biochemistry, 2011, 43, 1812-1836.	4.2	3,514
20	The influence of winter soil cover on spring nitrous oxide emissions from an agricultural soil. Soil Biology and Biochemistry, 2011, 43, 1989-1991.	4.2	24
21	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.	1.4	30
22	Changes in Bacterial Community Composition in the System of Rice Intensification (SRI) in Chiang Mai, Thailand. Microbes and Environments, 2010, 25, 224-227.	0.7	8
23	Diversity and Community Structure of Archaea Inhabiting the Rhizoplane of Two Contrasting Plants from an Acidic Bog. Microbial Ecology, 2010, 59, 757-767.	1.4	36
24	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.	1.4	186
25	Soil microbial community responses to Bt transgenic rice residue decomposition in a paddy field. Journal of Soils and Sediments, 2010, 10, 1598-1605.	1.5	24
26	Decomposition of Bt transgenic rice residues and response of soil microbial community in rapeseedâ€“rice cropping system. Plant and Soil, 2010, 336, 279-290.	1.8	38
27	Rootstock genotype succession influences apple replant disease and root-zone microbial community composition in an orchard soil. Plant and Soil, 2010, 337, 259-272.	1.8	75
28	Black carbon affects the cycling of non-black carbon in soil. Organic Geochemistry, 2010, 41, 206-213.	0.9	530
29	Decomposition of Bacillus thuringiensis (Bt) transgenic rice residues (straw and roots) in paddy fields. Journal of Soils and Sediments, 2009, 9, 457-467.	1.5	15
30	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.	1.3	68
31	Effect of rice cultivation systems on nitrogen cycling and nitrifying bacterial community structure. Applied Soil Ecology, 2009, 43, 139-149.	2.1	18
32	Long-term orchard groundcover management systems affect soil microbial communities and apple replant disease severity. Plant and Soil, 2008, 304, 209-225.	1.8	85
33	Decomposition of Bt and Non-Bt Corn Hybrid Residues in the Field. Nutrient Cycling in Agroecosystems, 2008, 80, 211-222.	1.1	53
34	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.	4.2	112
35	Stability of biomass-derived black carbon in soils. Geochimica Et Cosmochimica Acta, 2008, 72, 6069-6078.	1.6	287
36	Longâ€Term Effects of Harvesting Maize Stover and Tillage on Soil Quality. Soil Science Society of America Journal, 2008, 72, 960-969.	1.2	119

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37	Geographic sharing of ribotype patterns in Enterococcus faecalis for bacterial source tracking. Journal of Water and Health, 2007, 5, 539-551.	1.1	3
38	Dissipation of Fomesafen in New York State Soils and Potential to Cause Carryover Injury to Sweet Corn. Weed Technology, 2007, 21, 206-212.	0.4	38
39	An ecological assessment of transgenic crops. Journal of Development Studies, 2007, 43, 97-129.	1.2	54
40	Soil Microbial Community Analysis using Terminal Restriction Fragment Length Polymorphisms. Soil Science Society of America Journal, 2007, 71, 579-591.	1.2	131
41	EVALUATION OF LABORATORY-MEASURED SOIL PROPERTIES AS INDICATORS OF SOIL PHYSICAL QUALITY. Soil Science, 2007, 172, 895-912.	0.9	83
42	Molecular signature and sources of biochemical recalcitrance of organic C in Amazonian Dark Earths. Geochimica Et Cosmochimica Acta, 2007, 71, 2285-2298.	1.6	118
43	Microbial community development in the rhizosphere of apple trees at a replant disease site. Soil Biology and Biochemistry, 2007, 39, 1645-1654.	4.2	95
44	Oxidation of black carbon by biotic and abiotic processes. Organic Geochemistry, 2006, 37, 1477-1488.	0.9	942
45	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.	4.2	71
46	Diversity of Planctomycetes in Soil in Relation to Soil History and Environmental Heterogeneity. Applied and Environmental Microbiology, 2006, 72, 4522-4531.	1.4	166
47	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.	1.8	103
48	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.	0.5	0
49	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.	1.8	75
50	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.	0.5	0
51	The Influence of Vegetation in Riparian Filterstrips on Coliform Bacteria: I. Movement and Survival in Water. Journal of Environmental Quality, 2000, 29, 1206-1214.	1.0	60
52	The Influence of Vegetation in Riparian Filterstrips on Coliform Bacteria: II. Survival in Soils. Journal of Environmental Quality, 2000, 29, 1215-1224.	1.0	45
53	Annual nitrogen fixation in grazed dairy pastures in south-western Victoria. Australian Journal of Agricultural Research, 1999, 50, 273.	1.5	23
54	Factors associated with biological nitrogen fixation in dairy pastures in south-western Victoria. Australian Journal of Agricultural Research, 1999, 50, 261.	1.5	40

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55	Manipulation of rhizobia microflora for improving legume productivity and soil fertility: A critical assessment. Plant and Soil, 1995, 174, 143-180.	1.8	267
56	Environmental effects on competition for nodule occupancy between introduced and indigenous rhizobia and among introduced strains. Canadian Journal of Microbiology, 1992, 38, 493-500.	0.8	71
57	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.	1.4	333
58	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.	1.4	116
59	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.	1.4	63