Wietse Boer De Boer

List of Publications by Citations

169 papers	10,380 citations	55 h-index	96 g-index
172 ext. papers	12,409 ext. citations	6.1 avg, IF	6.39 L-index

#	Paper	IF	Citations
169	Living in a fungal world: impact of fungi on soil bacterial niche development. *FEMS Microbiology Reviews*, **2005**, 29, 795-811	15.1	1026
168	Nitrification in acid soils: micro-organisms and mechanisms. *Soil Biology and Biochemistry*, **2001**, 33, 853-866	7.5	549
167	Effects of above-ground plant species composition and diversity on the diversity of soil-borne microorganisms. *Antonie Van Leeuwenhoek*, **2002**, 81, 509-20	2.1	435
166	The rhizosphere zoo: An overview of plant-associated communities of microorganisms, including phages, bacteria, archaea, and fungi, and of some of their structuring factors. *Plant and Soil*, **2009**, 321, 189-212	4.2	323
165	Soil networks become more connected and take up more carbon as nature restoration progresses. *Nature Communications*, **2017**, 8, 14349	17.4	309
164	Volatile affairs in microbial interactions. *ISME Journal*, **2015**, 9, 2329-35	11.9	253
163	A thready affair: linking fungal diversity and community dynamics to terrestrial decomposition processes. *FEMS Microbiology Reviews*, **2013**, 37, 477-94	15.1	208
162	Fungal biomass development in a chronosequence of land abandonment. *Soil Biology and Biochemistry*, **2006**, 38, 51-60	7.5	190
161	Ectomycorrhizal Cortinarius species participate in enzymatic oxidation of humus in northern forest ecosystems. *New Phytologist*, **2014**, 203, 245-56	9.8	186
160	Degradation of ethinyl estradiol by nitrifying activated sludge. *Chemosphere*, **2000**, 41, 1239-43	8.4	184
159	Transcriptional and antagonistic responses of Pseudomonas fluorescens Pf0-1 to phylogenetically different bacterial competitors. *ISME Journal*, **2011**, 5, 973-85	11.9	135
158	Disruption of root carbon transport into forest humus stimulates fungal opportunists at the expense of mycorrhizal fungi. *ISME Journal*, **2010**, 4, 872-81	11.9	134
157	Rhizosphere bacterial community composition in natural stands of Carex arenaria (sand sedge) is determined by bulk soil community composition. *Soil Biology and Biochemistry*, **2005**, 37, 349-357	7.5	130
156	Reduction of rare soil microbes modifies plant-herbivore interactions. *Ecology Letters*, **2010**, 13, 292-301	10	128
155	Neglected role of fungal community composition in explaining variation in wood decay rates. *Ecology*, **2015**, 96, 124-33	4.6	123
154	Microbial community composition affects soil fungistasis. *Applied and Environmental Microbiology*, **2003**, 69, 835-44	4.8	123
153	Anti-fungal properties of chitinolytic dune soil bacteria. *Soil Biology and Biochemistry*, **1998**, 30, 193-203	7.5	117

152	Volatile-mediated interactions between phylogenetically different soil bacteria. *Frontiers in Microbiology*, **2014**, 5, 289	5.7	112
151	Shifts in rhizosphere fungal community during secondary succession following abandonment from agriculture. *ISME Journal*, **2017**, 11, 2294-2304	11.9	109
150	Calling from distance: attraction of soil bacteria by plant root volatiles. *ISME Journal*, **2018**, 12, 1252-1262	11.9	108
149	Nitrous oxide production and nitrification in acidic soil from a dutch coniferous forest. *Soil Biology and Biochemistry*, **1993**, 25, 343-347	7.5	108
148	Collimonas fungivorans gen. nov., sp. nov., a chitinolytic soil bacterium with the ability to grow on living fungal hyphae. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 857-864	2.2	106
147	Microbial Small Talk: Volatiles in Fungal-Bacterial Interactions. *Frontiers in Microbiology*, **2015**, 6, 1495	5.7	105
146	Volatiles produced by the mycophagous soil bacterium Collimonas. *FEMS Microbiology Ecology*, **2014**, 87, 639-49	4.3	103
145	The chemolithotrophic ammonium-oxidizing community in a nitrogen-saturated acid forest soil in relation to ph-dependent nitrifying activity. *Soil Biology and Biochemistry*, **1992**, 24, 229-234	7.5	103
144	13C pulse-labeling assessment of the community structure of active fungi in the rhizosphere of a genetically starch-modified potato (Solanum tuberosum) cultivar and its parental isoline. *New Phytologist*, **2012**, 194, 784-799	9.8	96
143	Fungistasis and general soil biostasis A new synthesis. *Soil Biology and Biochemistry*, **2011**, 43, 469-477	7.5	95
142	In vitro suppression of fungi caused by combinations of apparently non-antagonistic soil bacteria. *FEMS Microbiology Ecology*, **2007**, 59, 177-85	4.3	95
141	Impact of white-rot fungi on numbers and community composition of bacteria colonizing beech wood from forest soil. *FEMS Microbiology Ecology*, **2008**, 63, 181-91	4.3	95
140	Autotrophic nitrification in a fertilized acid heath soil. *Soil Biology and Biochemistry*, **1988**, 20, 845-850	7.5	93
139	Phylogenetic composition and properties of bacteria coexisting with the fungus Hypholoma fasciculare in decaying wood. *ISME Journal*, **2009**, 3, 1218-21	11.9	92
138	The bacterial genus Collimonas: mycophagy, weathering and other adaptive solutions to life in oligotrophic soil environments. *Environmental Microbiology*, **2010**, 12, 281-92	5.2	91
137	Dual transcriptional profiling of a bacterial/fungal confrontation: Collimonas fungivorans versus Aspergillus niger. *ISME Journal*, **2011**, 5, 1494-504	11.9	85
136	Soil biotic legacy effects of extreme weather events influence plant invasiveness. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9835-8	11.5	80
135	Legacy of land use history determines reprogramming of plant physiology by soil microbiome. *ISME Journal*, **2019**, 13, 738-751	11.9	78

134	Non-random species loss in bacterial communities reduces antifungal volatile production. *Ecology*, **2015**, 96, 2042-8	4.6	77
133	Impact of interspecific interactions on antimicrobial activity among soil bacteria. *Frontiers in Microbiology*, **2014**, 5, 567	5.7	77
132	Controls on coarse wood decay in temperate tree species: birth of the LOGLIFE experiment. *Ambio*, **2012**, 41 Suppl 3, 231-45	6.5	76
131	The bioenergetics of ammonia and hydroxylamine oxidation in Nitrosomonas europaea at acid and alkaline pH. *Archives of Microbiology*, **1992**, 157, 194-199	3	75
130	Nitrate production in nitrogen-saturated acid forest soils: Vertical distribution and characteristics. *Soil Biology and Biochemistry*, **1992**, 24, 235-240	7.5	73
129	Specific impacts of beech and Norway spruce on the structure and diversity of the rhizosphere and soil microbial communities. *Scientific Reports*, **2016**, 6, 27756	4.9	72
128	The preyS scent - Volatile organic compound mediated interactions between soil bacteria and their protist predators. *ISME Journal*, **2017**, 11, 817-820	11.9	70
127	Initial decay of woody fragments in soil is influenced by size, vertical position, nitrogen availability and soil origin. *Plant and Soil*, **2007**, 301, 189-201	4.2	69
126	Fungal volatile compounds induce production of the secondary metabolite Sodorifen in Serratia plymuthica PRI-2C. *Scientific Reports*, **2017**, 7, 862	4.9	65
125	A fragrant neighborhood: volatile mediated bacterial interactions in soil. *Frontiers in Microbiology*, **2015**, 6, 1212	5.7	64
124	Methane oxidation in soil profiles of Dutch and Finnish coniferous forests with different soil texture and atmospheric nitrogen deposition. *Soil Biology and Biochemistry*, **1997**, 29, 1625-1632	7.5	64
123	Growth of chitinolytic dune soil beta-subclass Proteobacteria in response to invading fungal hyphae. *Applied and Environmental Microbiology*, **2001**, 67, 3358-62	4.8	63
122	Ureolytic nitrification at low pH by Nitrosospira spec.. *Archives of Microbiology*, **1989**, 152, 178-181	3	63
121	Priming of soil organic matter: Chemical structure of added compounds is more important than the energy content. *Soil Biology and Biochemistry*, **2017**, 108, 41-54	7.5	61
120	Inter-specific interactions between carbon-limited soil bacteria affect behavior and gene expression. *Microbial Ecology*, **2009**, 58, 36-46	4.4	61
119	Urea stimulated autotrophic nitrification in suspensions of fertilized, acid heath soil. *Soil Biology and Biochemistry*, **1989**, 21, 349-354	7.5	61
118	In situ dynamics of soil fungal communities under different genotypes of potato, including a genetically modified cultivar. *Soil Biology and Biochemistry*, **2010**, 42, 2211-2223	7.5	58
117	Volatiles in Inter-Specific Bacterial Interactions. *Frontiers in Microbiology*, **2015**, 6, 1412	5.7	57

116	Efficient mineral weathering is a distinctive functional trait of the bacterial genus Collimonas. *Soil Biology and Biochemistry*, **2009**, 41, 2178-2186	7.5	56
115	Restoration of species-rich grasslands on ex-arable land: Seed addition outweighs soil fertility reduction. *Biological Conservation*, **2008**, 141, 2208-2217	6.2	55
114	Ammonium-oxidation at low pH by a chemolithotrophic bacterium belonging to the genus Nitrosospira. *Soil Biology and Biochemistry*, **1995**, 27, 127-132	7.5	55
113	Dinner in the dark: Illuminating drivers of soil organic matter decomposition. *Soil Biology and Biochemistry*, **2017**, 105, 45-48	7.5	52
112	Nitrification in Dutch heathland soils. *Plant and Soil*, **1990**, 127, 193-200	4.2	52
111	A 3-year study reveals that plant growth stage, season and field site affect soil fungal communities while cultivar and GM-trait have minor effects. *PLoS ONE*, **2012**, 7, e33819	3.7	51
110	Constraints on development of fungal biomass and decomposition processes during restoration of arable sandy soils. *Soil Biology and Biochemistry*, **2006**, 38, 2890-2902	7.5	51
109	Suppression of soil-borne Fusarium pathogens of peanut by intercropping with the medicinal herb Atractylodes lancea. *Soil Biology and Biochemistry*, **2018**, 116, 120-130	7.5	50
108	Plant□oil feedbacks of exotic plant species across life forms: a meta-analysis. *Biological Invasions*, **2014**, 16, 2551-2561	2.7	50
107	Acidicapsa borealis gen. nov., sp. nov. and Acidicapsa ligni sp. nov., subdivision 1 Acidobacteria from Sphagnum peat and decaying wood. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 1512-1520	2.2	50
106	Contribution of nitrification and denitrification to the no and N2O emissions of an acid forest soil, a river sediment and a fertilized grassland soil. *Soil Biology and Biochemistry*, **1997**, 29, 1655-1664	7.5	50
105	Legacy effects of anaerobic soil disinfestation on soil bacterial community composition and production of pathogen-suppressing volatiles. *Frontiers in Microbiology*, **2015**, 6, 701	5.7	49
104	Evaluation of a simple, non-alkaline extraction protocol to quantify soil ergosterol. *Pedobiologia*, **2006**, 50, 293-300	1.7	49
103	The sapro-rhizosphere: Carbon flow from saprotrophic fungi into fungus-feeding bacteria. *Soil Biology and Biochemistry*, **2016**, 102, 14-17	7.5	48
102	Nitrification in Dutch heathland soils. *Plant and Soil*, **1990**, 127, 179-192	4.2	48
101	Two types of chemolithotrophic nitrification in acid heathland humus. *Plant and Soil*, **1989**, 119, 229-235	4.2	47
100	Response of the chitinolytic microbial community to chitin amendments of dune soils. *Biology and Fertility of Soils*, **1999**, 29, 170-177	6.1	46
99	Priorities for research in soil ecology. *Pedobiologia*, **2017**, 63, 1-7	1.7	44

98	Genomic comparison of chitinolytic enzyme systems from terrestrial and aquatic bacteria. *Environmental Microbiology*, **2016**, 18, 38-49	5.2	44
97	Impact of matric potential and pore size distribution on growth dynamics of filamentous and non-filamentous soil bacteria. *PLoS ONE*, **2013**, 8, e83661	3.7	44
96	SRoot-foodSand the rhizosphere microbial community composition. *New Phytologist*, **2006**, 170, 3-6	9.8	43
95	Low abundant soil bacteria can be metabolically versatile and fast growing. *Ecology*, **2017**, 98, 555-564	4.6	42
94	Baiting of rhizosphere bacteria with hyphae of common soil fungi reveals a diverse group of potentially mycophagous secondary consumers. *Soil Biology and Biochemistry*, **2015**, 88, 73-82	7.5	40
93	Exploring the genomic traits of fungus-feeding bacterial genus Collimonas. *BMC Genomics*, **2015**, 16, 1103	4.5	39
92	Nitrification and nitrous oxide production potentials in aerobic soil samples from the soil profile of a Finnish coniferous site receiving high ammonium deposition. *FEMS Microbiology Ecology*, **1993**, 13, 113-121	4.3	39
91	Biosynthetic genes and activity spectrum of antifungal polyynes from Collimonas fungivorans Ter331. *Environmental Microbiology*, **2014**, 16, 1334-45	5.2	38
90	Nitrosomonas europaea-like bacteria detected as the dominant □subclass Proteobacteria ammonia oxidisers in reference and limed acid forest soils. *Soil Biology and Biochemistry*, **2002**, 34, 1047-1050	7.5	38
89	Exploring bacterial interspecific interactions for discovery of novel antimicrobial compounds. *Microbial Biotechnology*, **2017**, 10, 910-925	6.3	37
88	Reciprocal effects of litter from exotic and congeneric native plant species via soil nutrients. *PLoS ONE*, **2012**, 7, e31596	3.7	37
87	Variability of N mineralization and nitrification in a simple, simulated microbial forest soil community. *Soil Biology and Biochemistry*, **1996**, 28, 203-211	7.5	36
86	Context dependency and saturating effects of loss of rare soil microbes on plant productivity. *Frontiers in Plant Science*, **2015**, 6, 485	6.2	35
85	Filipin is a reliable in situ marker of ergosterol in the plasma membrane of germinating conidia (spores) of Penicillium discolor and stains intensively at the site of germ tube formation. *Journal of Microbiological Methods*, **2008**, 74, 64-73	2.8	35
84	Upscaling of fungal-bacterial interactions: from the lab to the field. *Current Opinion in Microbiology*, **2017**, 37, 35-41	7.9	34
83	Possible role of reactive chlorine in microbial antagonism and organic matter chlorination in terrestrial environments. *Environmental Microbiology*, **2009**, 11, 1330-9	5.2	34
82	The capacity to comigrate with Lyophyllum sp. strain Karsten through different soils is spread among several phylogenetic groups within the genus Burkholderia. *Soil Biology and Biochemistry*, **2012**, 50, 221-233	7.5	33
81	Comparative genomics of the pIPO2/pSB102 family of environmental plasmids: sequence, evolution, and ecology of pTer331 isolated from Collimonas fungivorans Ter331. *FEMS Microbiology Ecology*, **2008**, 66, 45-62	4.3	33

80	In situ net N transformations in pine, fir, and oak stands of different ages on acid sandy soil, 3 years after liming. *Biology and Fertility of Soils*, **1993**, 15, 120-126	6.1	33
79	The hidden potential of saprotrophic fungi in arable soil: Patterns of short-term stimulation by organic amendments. *Applied Soil Ecology*, **2020**, 147, 103434	5	33
78	Unexpected stimulation of soil methane uptake as emergent property of agricultural soils following bio-based residue application. *Global Change Biology*, **2015**, 21, 3864-79	11.4	32
77	Pathogen suppression by microbial volatile organic compounds in soils. *FEMS Microbiology Ecology*, **2019**, 95,	4.3	31
76	Specific detection and real-time PCR quantification of potentially mycophagous bacteria belonging to the genus Collimonas in different soil ecosystems. *Applied and Environmental Microbiology*, **2007**, 73, 4191-7	4.8	31
75	A molecular biological protocol to distinguish potentially human pathogenic Stenotrophomonas maltophilia from plant-associated Stenotrophomonas rhizophila. *Environmental Microbiology*, **2005**, 7, 1853-8	5.2	31
74	Do genetic modifications in crops affect soil fungi? a review. *Biology and Fertility of Soils*, **2014**, 50, 433-446	6.1	29
73	Methylovirgula ligni gen. nov., sp. nov., an obligately acidophilic, facultatively methylotrophic bacterium with a highly divergent mxaF gene. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 2538-45	2.2	29
72	Volatile-mediated suppression of plant pathogens is related to soil properties and microbial community composition. *Soil Biology and Biochemistry*, **2018**, 117, 164-174	7.5	29
71	Exploring the reservoir of potential fungal plant pathogens in agricultural soil. *Applied Soil Ecology*, **2017**, 121, 152-160	5	28
70	Effect of vegetation manipulation of abandoned arable land on soil microbial properties. *Biology and Fertility of Soils*, **2000**, 31, 121-127	6.1	28
69	No apparent costs for facultative antibiotic production by the soil bacterium Pseudomonas fluorescens Pf0-1. *PLoS ONE*, **2011**, 6, e27266	3.7	27
68	Controlling the Microbiome: Microhabitat Adjustments for Successful Biocontrol Strategies in Soil and Human Gut. *Frontiers in Microbiology*, **2016**, 7, 1079	5.7	27
67	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. *BioScience*, **2013**, 63, 35-42	5.7	26
66	Competition increases sensitivity of wheat (Triticum aestivum) to biotic plant-soil feedback. *PLoS ONE*, **2013**, 8, e66085	3.7	26
65	Comparison of nutrient acquisition in exotic plant species and congeneric natives. *Journal of Ecology*, **2011**, 99, 1308-1315	6	26
64	Collimonas arenae sp. nov. and Collimonas pratensis sp. nov., isolated from (semi-)natural grassland soils. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 414-9	2.2	26
63	Unexpected role of canonical aerobic methanotrophs in upland agricultural soils. *Soil Biology and Biochemistry*, **2019**, 131, 1-8	7.5	26

62	Antifungal Rhizosphere Bacteria Can increase as Response to the Presence of Saprotrophic Fungi. *PLoS ONE*, **2015**, 10, e0137988	3.7	25
61	Different selective effects on rhizosphere bacteria exerted by genetically modified versus conventional potato lines. *PLoS ONE*, **2013**, 8, e67948	3.7	25
60	Mechanism of antibacterial activity of the white-rot fungus Hypholoma fasciculare colonizing wood. *Canadian Journal of Microbiology*, **2010**, 56, 380-8	3.2	25
59	Suppression of hyphal growth of soil-borne fungi by dune soils from vigorous and declining stands of Ammophila arenaria. *New Phytologist*, **1998**, 138, 107-116	9.8	25
58	Oxalic acid: a signal molecule for fungus-feeding bacteria of the genus Collimonas?. *Environmental Microbiology Reports*, **2015**, 7, 709-14	3.7	24
57	Chapter 8 Interactions between saprotrophic basidiomycetes and bacteria. *British Mycological Society Symposia Series*, **2008**, 28, 143-153		24
56	Quantitative Determination of the Spatial Distribution of Nitrosomonas europaea and Nitrobacter agilis Cells Immobilized in kappa-Carrageenan Gel Beads by a Specific Fluorescent-Antibody Labelling Technique. *Applied and Environmental Microbiology*, **1993**, 59, 1951-4	4.8	24
55	Volatile-mediated antagonism of soil bacterial communities against fungi. *Environmental Microbiology*, **2020**, 22, 1025-1035	5.2	24
54	Winter cover crop legacy effects on litter decomposition act through litter quality and microbial community changes. *Journal of Applied Ecology*, **2019**, 56, 132-143	5.8	23
53	Rhizosphere bacteria from sites with higher fungal densities exhibit greater levels of potential antifungal properties. *Soil Biology and Biochemistry*, **2008**, 40, 1542-1544	7.5	23
52	Effects of bio-based residue amendments on greenhouse gas emission from agricultural soil are stronger than effects of soil type with different microbial community composition. *GCB Bioenergy*, **2017**, 9, 1707-1720	5.6	22
51	Pairwise transcriptomic analysis of the interactions between the ectomycorrhizal fungus Laccaria bicolor S238N and three beneficial, neutral and antagonistic soil bacteria. *Microbial Ecology*, **2015**, 69, 146-59	4.4	21
50	Legacy effects of diversity in space and time driven by winter cover crop biomass and nitrogen concentration. *Journal of Applied Ecology*, **2018**, 55, 299-310	5.8	21
49	Heterodera schachtii nematodes interfere with aphid-plant relations on Brassica oleracea. *Journal of Chemical Ecology*, **2013**, 39, 1193-203	2.7	21
48	Fungus-associated bacteriome in charge of their host behavior. *Fungal Genetics and Biology*, **2017**, 102, 38-48	3.9	20
47	Decomposition of mixtures of cover crop residues increases microbial functional diversity. *Geoderma*, **2020**, 361, 114060	6.7	19
46	Relationship between home-field advantage of litter decomposition and priming of soil organic matter. *Soil Biology and Biochemistry*, **2018**, 126, 49-56	7.5	17
45	Strategies to Maintain Natural Biocontrol of Soil-Borne Crop Diseases During Severe Drought and Rainfall Events. *Frontiers in Microbiology*, **2018**, 9, 2279	5.7	17

44	Patterns of natural fungal community assembly during initial decay of coniferous and broadleaf tree logs. *Ecosphere*, **2016**, 7, e01393	3.1	16
43	Soil nitrogen transformations and nitrate utilization by Deschampsia flexuosa (L.) Trin. at two contrasting heathland sites. *Plant and Soil*, **1995**, 176, 81-93	4.2	16
42	The effect of acetylene on N transformations in an acid oak-beech soil. *Plant and Soil*, **1993**, 149, 292-296	4.2	16
41	Mycophagous growth of Collimonas bacteria in natural soils, impact on fungal biomass turnover and interactions with mycophagous Trichoderma fungi. *ISME Journal*, **2009**, 3, 190-8	11.9	15
40	Impact of Collimonas bacteria on community composition of soil fungi. *Environmental Microbiology*, **2009**, 11, 1444-52	5.2	15
39	Possible Mechanism for Spontaneous Establishment of Calluna vulgaris in a Recently Abandoned Agricultural Field. *Restoration Ecology*, **2009**, 17, 308-313	3.1	15
38	Concentration and vertical distribution of total soil phosphorus in relation to time of abandonment of arable fields. *Nutrient Cycling in Agroecosystems*, **2007**, 79, 73-79	3.3	15
37	Phylogeny-function analysis of (meta)genomic libraries: screening for expression of ribosomal RNA genes by large-insert library fluorescent in situ hybridization (LIL-FISH). *Environmental Microbiology*, **2004**, 6, 990-8	5.2	15
36	Secondary transport of amino acids in Nitrosomonas europaea. *Archives of Microbiology*, **1992**, 157, 389-393	3	15
35	Biological activities associated with the volatile compound 2,5-bis(1-methylethyl)-pyrazine. *FEMS Microbiology Letters*, **2019**, 366,	2.9	13
34	Methods for Baiting and Enriching Fungus-Feeding (Mycophagous) Rhizosphere Bacteria. *Frontiers in Microbiology*, **2015**, 6, 1416	5.7	13
33	Identification and characterization of genes underlying chitinolysis in Collimonas fungivorans Ter331. *FEMS Microbiology Ecology*, **2008**, 66, 123-35	4.3	13
32	Harnessing the microbiome to control plant parasitic weeds. *Current Opinion in Microbiology*, **2019**, 49, 26-33	7.9	12
31	Comparative genomics of bacteria from the genus Collimonas: linking (dis)similarities in gene content to phenotypic variation and conservation. *Environmental Microbiology Reports*, **2012**, 4, 424-32	3.7	12
30	Variability of nitrification potentials in patches of undergrowth vegetation in primary Scots pine stands. *Forest Ecology and Management*, **1996**, 86, 97-103	3.9	12
29	Effect of the amount of organic trigger compounds, nitrogen and soil microbial biomass on the magnitude of priming of soil organic matter. *PLoS ONE*, **2019**, 14, e0216730	3.7	11
28	Relative abundance and activity of melanized hyphae in different soil ecosystems. *Soil Biology and Biochemistry*, **2009**, 41, 417-419	7.5	11
27	Plant presence reduces root and shoot litter decomposition rates of crops and wild relatives. *Plant and Soil*, **2019**, 438, 313-327	4.2	9

26	Matgrass sward plant species benefit from soil organisms. *Applied Soil Ecology*, **2012**, 62, 61-70	5	9
25	Draft genome sequence of the antagonistic rhizosphere bacterium Serratia plymuthica strain PRI-2C. *Journal of Bacteriology*, **2012**, 194, 4119-20	3.5	9
24	Effect of genetic modification of potato starch on decomposition of leaves and tubers and on fungal decomposer communities. *Soil Biology and Biochemistry*, **2013**, 58, 88-98	7.5	8
23	Fungal diversity and potential tree pathogens in decaying logs and stumps. *Forest Ecology and Management*, **2017**, 406, 266-273	3.9	7
22	Early colonizers of unoccupied habitats represent a minority of the soil bacterial community. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	7
21	Biodiversity and ecology of soil fungi in a primary succession of a temperate coastal dune system. *Nova Hedwigia*, **2014**, 99, 347-372	1.3	7
20	Insect frass and exuviae to promote plant growth and health.. *Trends in Plant Science*, **2022**,	13.1	7
19	DiSCount: computer vision for automated quantification of seed germination. *Plant Methods*, **2020**, 16, 60	5.8	6
18	Casing soil microbiome mediates suppression of bacterial blotch of mushrooms during consecutive cultivation cycles. *Soil Biology and Biochemistry*, **2021**, 155, 108161	7.5	6
17	Chitin- and Keratin-Rich Soil Amendments Suppress Rhizoctonia solani Disease via Changes to the Soil Microbial Community. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	6
16	Changing soil legacies to direct restoration of plant communities. *AoB PLANTS*, **2017**, 9, plx038	2.9	5
15	Trait Differentiation within the Fungus-Feeding (Mycophagous) Bacterial Genus Collimonas. *PLoS ONE*, **2016**, 11, e0157552	3.7	5
14	Soil-wood interactions: Influence of decaying coniferous and broadleaf logs on composition of soil fungal communities. *Fungal Ecology*, **2017**, 30, 132-134	4.1	5
13	Evaluation of Phenolic Root Exudates as Stimulants of Saptrophic Fungi in the Rhizosphere. *Frontiers in Microbiology*, **2021**, 12, 644046	5.7	5
12	Decomposing cover crops modify root-associated microbiome composition and disease tolerance of cash crop seedlings. *Soil Biology and Biochemistry*, **2021**, 160, 108343	7.5	5
11	Environmental exposure assessment of ethinyl estradiol (EE) from a combined hormonal vaginal contraceptive ring after disposal; leaching from landfills. *Science of the Total Environment*, **2007**, 377, 366-70	10.2	4
10	Atypical Spirotetronate Polyketides Identified in the Underexplored Genus. *Journal of Organic Chemistry*, **2020**, 85, 10648-10657	4.2	4
9	Impact of Cellulose-Rich Organic Soil Amendments on Growth Dynamics and Pathogenicity of. *Microorganisms*, **2021**, 9,	4.9	3

8	Dominant hyphae-associated bacteria of Fusarium oxysporum f. sp. cucumerinum in different cropping systems and insight into their functions. *Applied Soil Ecology*, **2021**, 165, 103977	5	3
7	Beneficial Interactions in the Rhizosphere. *Biodiversity Community and Ecosystems*, **2014**, 59-80		2
6	No paradox for invasive plants. *Science*, **2009**, 325, 814	33.3	2
5	Identification and antimicrobial properties of bacteria isolated from naturally decaying wood		2
4	Stimulated saprotrophic fungi in arable soil extend their activity to the rhizosphere and root microbiomes of crop seedlings. *Environmental Microbiology*, **2021**, 23, 6056-6073	5.2	2
3	Short exposure to acetylene to distinguish between nitrifier and denitrifier nitrous oxide production in soil and sediment samples. *FEMS Microbiology Ecology*, **1996**, 20, 111-120	4.3	1
2	Comparative Studies on the Disease Prevalence and Population Dynamics of Ginger Blotch and Brown Blotch Pathogens of Button Mushrooms. *Plant Disease*, **2021**, 105, 542-547	1.5	0
1	Soil biodiversity and nature-mimicry in agriculture; the power of metaphor?. *Outlook on Agriculture*, **2022**, 51, 75-90	2.9	0