

Penny Hirsch

List of Publications by Year in descending order

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134
papers

11,510
citations

31949

53
h-index

29127

104
g-index

142
all docs

142
docs citations

142
times ranked

11361
citing authors

#	ARTICLE	IF	CITATIONS
1	A binary plant vector strategy based on separation of vir- and T-region of the <i>Agrobacterium tumefaciens</i> Ti-plasmid. <i>Nature</i> , 1983, 303, 179-180.	13.7	1,716
2	Are root exudates more important than other sources of rhizodeposits in structuring rhizosphere bacterial communities?. <i>FEMS Microbiology Ecology</i> , 2010, 72, 313-327.	1.3	790
3	Soil pH Determines Microbial Diversity and Composition in the Park Grass Experiment. <i>Microbial Ecology</i> , 2015, 69, 395-406.	1.4	544
4	Failure of the <i>Mycobacterium bovis</i> BCG Vaccine: Some Species of Environmental Mycobacteria Block Multiplication of BCG and Induction of Protective Immunity to Tuberculosis. <i>Infection and Immunity</i> , 2002, 70, 672-678.	1.0	392
5	Soil management in relation to sustainable agriculture and ecosystem services. <i>Food Policy</i> , 2011, 36, S72-S87.	2.8	379
6	High frequency transfer of nodulating ability between strains and species of <i>Rhizobium</i> . <i>Nature</i> , 1978, 276, 634-636.	13.7	323
7	Accessing the Soil Metagenome for Studies of Microbial Diversity. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1315-1324.	1.4	269
8	Data analysis for 16S microbial profiling from different benchtop sequencing platforms. <i>Journal of Microbiological Methods</i> , 2014, 107, 30-37.	0.7	221
9	Simple and rapid method for direct extraction of microbial DNA from soil for PCR. <i>Soil Biology and Biochemistry</i> , 1998, 30, 983-993.	4.2	206
10	Structure, fluctuation and magnitude of a natural grassland soil metagenome. <i>ISME Journal</i> , 2012, 6, 1677-1687.	4.4	206
11	TerraGenome: a consortium for the sequencing of a soil metagenome. <i>Nature Reviews Microbiology</i> , 2009, 7, 252-252.	13.6	199
12	Culture-independent molecular techniques for soil microbial ecology. <i>Soil Biology and Biochemistry</i> , 2010, 42, 878-887.	4.2	193
13	A physical map of pPH1Jl and pJB4Jl. <i>Plasmid</i> , 1984, 12, 139-141.	0.4	191
14	Who's who in the plant root microbiome?. <i>Nature Biotechnology</i> , 2012, 30, 961-962.	9.4	176
15	Absence of nitrogen fixation in clover grown on soil subject to long-term contamination with heavy metals is due to survival of only ineffective <i>Rhizobium</i> . <i>Soil Biology and Biochemistry</i> , 1989, 21, 841-848.	4.2	172
16	Use of Molecular and Isotopic Techniques To Monitor the Response of Autotrophic Ammonia-Oxidizing Populations of the β^2 Subdivision of the Class <i>Proteobacteria</i> in Arable Soils to Nitrogen Fertilizer. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4155-4162.	1.4	160
17	Plasmid-determined Bacteriocin Production by <i>Rhizobium leguminosarum</i> . <i>Journal of General Microbiology</i> , 1979, 113, 219-228.	2.3	152
18	<i>Rhizobium meliloti</i> fixGHI sequence predicts involvement of a specific cation pump in symbiotic nitrogen fixation. <i>Journal of Bacteriology</i> , 1989, 171, 929-939.	1.0	135

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19	A comparison of two colorimetric assays, based upon Lowry and Bradford techniques, to estimate total protein in soil extracts. <i>Soil Biology and Biochemistry</i> , 2013, 67, 166-173.	4.2	131
20	The use of real-time PCR and species-specific primers for the identification and monitoring of <i>Paecilomyces lilacinus</i> . <i>FEMS Microbiology Ecology</i> , 2005, 51, 257-264.	1.3	130
21	Measuring the soil-microbial interface: Extraction of extracellular polymeric substances (EPS) from soil biofilms. <i>Soil Biology and Biochemistry</i> , 2014, 72, 163-171.	4.2	130
22	Endophytic bacterial community composition in wheat (<i>Triticum aestivum</i>) is determined by plant tissue type, developmental stage and soil nutrient availability. <i>Plant and Soil</i> , 2016, 405, 381-396.	1.8	128
23	Detection and Quantification of <i>Plectosphaerella cucumerina</i> , a Potential Biological Control Agent of Potato Cyst Nematodes, by Using Conventional PCR, Real-Time PCR, Selective Media, and Baiting. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4788-4793.	1.4	126
24	Exploitation of endophytes for sustainable agricultural intensification. <i>Molecular Plant Pathology</i> , 2017, 18, 469-473.	2.0	126
25	Inorganic Nitrogen Application Affects Both Taxonomical and Predicted Functional Structure of Wheat Rhizosphere Bacterial Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 1074.	1.5	125
26	Brazilian Microbiome Project: Revealing the Unexplored Microbial Diversity – Challenges and Prospects. <i>Microbial Ecology</i> , 2014, 67, 237-241.	1.4	119
27	Land use influences phosphatase gene microdiversity in soils. <i>Environmental Microbiology</i> , 2017, 19, 2740-2753.	1.8	115
28	Infection of plant-parasitic nematodes by nematophagous fungi – a review of the application of molecular biology to understand infection processes and to improve biological control. <i>Nematology</i> , 2004, 6, 161-170.	0.2	108
29	Population dynamics of indigenous and genetically modified rhizobia in the field. <i>New Phytologist</i> , 1996, 133, 159-171.	3.5	104
30	Heavy metals from past applications of sewage sludge decrease the genetic diversity of rhizobium leguminosarum biovar trifolii populations. <i>Soil Biology and Biochemistry</i> , 1993, 25, 1485-1490.	4.2	99
31	Long-Term Impact of Field Applications of Sewage Sludge on Soil Antibiotic Resistance. <i>Environmental Science & Technology</i> , 2016, 50, 12602-12611.	4.6	97
32	Isolation of symbiotically defective mutants in <i>Rhizobium leguminosarum</i> by insertion of the transposon Tn5 into a transmissible plasmid. <i>Molecular Genetics and Genomics</i> , 1980, 178, 185-190.	2.4	96
33	Development of a new management strategy for the control of root-knot nematodes (<i>Meloidogyne</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.7	88
34	The role of soil microorganisms in soil organic matter conservation in the tropics. <i>Nutrient Cycling in Agroecosystems</i> , 2001, 61, 41-51.	1.1	87
35	Ca. <i>Nitrososphaera</i> and <i>Bradyrhizobium</i> are inversely correlated and related to agricultural practices in long-term field experiments. <i>Frontiers in Microbiology</i> , 2013, 4, 104.	1.5	86
36	Impacts of nitrogen application rates on the activity and diversity of denitrifying bacteria in the Broadbalk Wheat Experiment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1235-1244.	1.8	84

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37	PCR-based molecular discrimination of <i>Verticillium chlamyosporium</i> isolates. <i>Mycological Research</i> , 1996, 100, 801-809.	2.5	83
38	Changes in the microbial community of an arable soil caused by long-term metal contamination. <i>European Journal of Soil Science</i> , 2005, 56, 93-102.	1.8	77
39	Plant-microbe networks in soil are weakened by century-long use of inorganic fertilizers. <i>Microbial Biotechnology</i> , 2019, 12, 1464-1475.	2.0	77
40	Quantification in Soil and the Rhizosphere of the Nematophagous Fungus <i>Verticillium chlamyosporium</i> by Competitive PCR and Comparison with Selective Plating. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1846-1853.	1.4	75
41	The pH optimum of soil exoenzymes adapt to long term changes in soil pH. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107601.	4.2	73
42	Cloning of and genetic variation in protease VCP1 from the nematophagous fungus <i>Pochonia chlamyosporia</i> . <i>Mycological Research</i> , 2003, 107, 38-46.	2.5	72
43	Comparison of methods to investigate microbial populations in soils under different agricultural management. <i>FEMS Microbiology Ecology</i> , 2000, 33, 129-137.	1.3	70
44	Survival of bacterial DNA and culturable bacteria in archived soils from the Rothamsted Broadbalk experiment. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1090-1102.	4.2	70
45	Long-term impacts of zinc and copper enriched sewage sludge additions on bacterial, archaeal and fungal communities in arable and grassland soils. <i>Soil Biology and Biochemistry</i> , 2011, 43, 932-941.	4.2	65
46	Effects of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on abundance and activity of ammonia oxidizers in soil. <i>Biology and Fertility of Soils</i> , 2014, 50, 795-807.	2.3	64
47	Detection of the nematophagous fungus <i>Verticillium chlamyosporium</i> in nematode-infested plant roots using PCR. <i>Mycological Research</i> , 2000, 104, 435-439.	2.5	63
48	Starving the soil of plant inputs for 50 years reduces abundance but not diversity of soil bacterial communities. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2021-2024.	4.2	63
49	Bacterial Diversity of the Broadbalk "Classical" Winter Wheat Experiment in Relation to Long-Term Fertilizer Inputs. <i>Microbial Ecology</i> , 2008, 56, 525-537.	1.4	62
50	Wheat dwarfing influences selection of the rhizosphere microbiome. <i>Scientific Reports</i> , 2020, 10, 1452.	1.6	62
51	Century long fertilization reduces stochasticity controlling grassland microbial community succession. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108023.	4.2	60
52	The Importance of the Microbial N Cycle in Soil for Crop Plant Nutrition. <i>Advances in Applied Microbiology</i> , 2015, 93, 45-71.	1.3	59
53	Over 150 Years of Long-Term Fertilization Alters Spatial Scaling of Microbial Biodiversity. <i>MBio</i> , 2015, 6, .	1.8	57
54	Soil resilience and recovery: rapid community responses to management changes. <i>Plant and Soil</i> , 2017, 412, 283-297.	1.8	57

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55	Pochonia chlamydosporia: Advances and Challenges to Improve Its Performance as a Biological Control Agent of Sedentary Endo-parasitic Nematodes. <i>Journal of Nematology</i> , 2013, 45, 1-7.	0.4	55
56	The influence of season, agricultural management, and soil properties on gross nitrogen transformations and bacterial community structure. <i>Soil Research</i> , 2006, 44, 453.	0.6	53
57	Soil organic matter and the extracellular microbial matrix show contrasting responses to C and N availability. <i>Soil Biology and Biochemistry</i> , 2015, 88, 257-267.	4.2	53
58	Life in earth: the impact of GM plants on soil ecology?. <i>Trends in Biotechnology</i> , 2006, 24, 9-14.	4.9	52
59	The founding charter of the Genomic Observatories Network. <i>GigaScience</i> , 2014, 3, 2.	3.3	51
60	Plant genotype, micronutrient fertilization and take-all infection influence bacterial populations in the rhizosphere of wheat. <i>Plant and Soil</i> , 1996, 183, 269-277.	1.8	50
61	Changes in the population structure of β -group autotrophic ammonia oxidising bacteria in arable soils in response to agricultural practice. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1479-1485.	4.2	48
62	An analysis of <i>Pseudomonas</i> genomic diversity in take-all infected wheat fields reveals the lasting impact of wheat cultivars on the soil microbiota. <i>Environmental Microbiology</i> , 2015, 17, 4764-4778.	1.8	48
63	Construction of a Tn5 derivative determining resistance to gentamicin and spectinomycin using a fragment cloned from R1033. <i>Gene</i> , 1986, 48, 203-209.	1.0	47
64	Distribution of Environmental Mycobacteria in Karonga District, Northern Malawi. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2343-2350.	1.4	47
65	Effects of urease and nitrification inhibitors on soil N, nitrifier abundance and activity in a sandy loam soil. <i>Biology and Fertility of Soils</i> , 2020, 56, 185-194.	2.3	47
66	The Pochonia chlamydosporia Serine Protease Gene vcp1 Is Subject to Regulation by Carbon, Nitrogen and pH: Implications for Nematode Biocontrol. <i>PLoS ONE</i> , 2012, 7, e35657.	1.1	47
67	Plant genotype and micronutrient status influence colonization of wheat roots by soil bacteria. <i>Journal of Plant Nutrition</i> , 1998, 21, 99-113.	0.9	46
68	<i>Pseudomonas</i> spp. diversity is negatively associated with suppression of the wheat take-all pathogen. <i>Scientific Reports</i> , 2016, 6, 29905.	1.6	46
69	Wheat seed embryo excision enables the creation of axenic seedlings and Koch's postulates testing of putative bacterial endophytes. <i>Scientific Reports</i> , 2016, 6, 25581.	1.6	45
70	Survival and dispersion of genetically modified rhizobia in the field and genetic interactions with native strains. <i>FEMS Microbiology Ecology</i> , 1994, 15, 147-159.	1.3	44
71	PCR-based DNA fingerprinting indicates host-related genetic variation in the nematophagous fungus Pochonia chlamydosporia. <i>Mycological Research</i> , 2003, 107, 198-205.	2.5	43
72	Novel European free-living, non-diazotrophic Bradyrhizobium isolates from contrasting soils that lack nodulation and nitrogen fixation genes – a genome comparison. <i>Scientific Reports</i> , 2016, 6, 25858.	1.6	43

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73	The biocontrol fungus <i>Pochonia chlamydosporia</i> shows nematode host preference at the infraspecific level. <i>Mycological Research</i> , 2004, 108, 161-169.	2.5	37
74	Advantages of the metagenomic approach for soil exploration: reply from Vogel et al.. <i>Nature Reviews Microbiology</i> , 2009, 7, 756-757.	13.6	35
75	The effects of pesticides on the diversity of culturable soil bacteria. <i>Journal of Applied Microbiology</i> , 1998, 84, 551-558.	1.4	34
76	Phylogenetic distribution, biogeography and the effects of land management upon bacterial non-specific Acid phosphatase Gene diversity and abundance. <i>Plant and Soil</i> , 2018, 427, 175-189.	1.8	34
77	The PCR amplification of non-tuberculous mycobacterial 16S rRNA sequences from soil. <i>FEMS Microbiology Letters</i> , 2000, 185, 189-192.	0.7	33
78	The Unique Contribution of Rothamsted to Ecological Research at Large Temporal Scales. <i>Advances in Ecological Research</i> , 2016, , 3-42.	1.4	31
79	Characterization of two novel <i>Rhizobium leguminosarum</i> bacteriophages from a field release site of genetically-modified rhizobia. <i>Antonie Van Leeuwenhoek</i> , 2001, 79, 189-197.	0.7	30
80	Methods for studying the nematophagous fungus <i>Verticillium chlamydosporium</i> in the root environment. <i>Plant and Soil</i> , 2001, 232, 21-30.	1.8	30
81	The short-term effects of nitrification inhibitors on the abundance and expression of ammonia and nitrite oxidizers in a long-term field experiment comparing land management. <i>Biology and Fertility of Soils</i> , 2018, 54, 163-172.	2.3	30
82	The detection of Gram-negative bacterial mRNA from soil by RT-PCR. <i>FEMS Microbiology Letters</i> , 1998, 164, 369-373.	0.7	29
83	Metagenomic approaches reveal differences in genetic diversity and relative abundance of nitrifying bacteria and archaea in contrasting soils. <i>Scientific Reports</i> , 2021, 11, 15905.	1.6	28
84	Genetic factors in <i>Rhizobium</i> affecting the symbiotic carbon costs of N_2 fixation and host plant biomass production. <i>Journal of Applied Bacteriology</i> , 1986, 61, 239-246.	1.1	27
85	Release of transgenic bacterial inoculants - rhizobia as a case study. <i>Plant and Soil</i> , 2005, 266, 1-10.	1.8	27
86	A novel method for sampling bacteria on plant root and soil surfaces at the microhabitat scale. <i>Journal of Microbiological Methods</i> , 2008, 75, 12-18.	0.7	26
87	Responses of microbial community from tropical pristine coastal soil to crude oil contamination. <i>PeerJ</i> , 2016, 4, e1733.	0.9	26
88	Transcriptome analysis shows differential gene expression in the saprotrophic to parasitic transition of <i>Pochonia chlamydosporia</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1981-1994.	1.7	25
89	Development of a Real-Time PCR Assay for Detection and Quantification of <i>Rhizobium leguminosarum</i> Bacteria and Discrimination between Different Biovars in Zinc-Contaminated Soil. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4626-4633.	1.4	24
90	Use of real-time quantitative PCR to investigate root and gall colonisation by co-inoculated isolates of the nematophagous fungus <i>Pochonia chlamydosporia</i> . <i>Annals of Applied Biology</i> , 2009, 155, 143-152.	1.3	23

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91	Monitoring genetically modified rhizobia in field soils using the polymerase chain reaction. <i>Journal of Applied Microbiology</i> , 1998, 84, 1025-1034.	1.4	22
92	<i>Pasteuria</i> endospores from <i>Heterodera cajani</i> (Nematoda: Heteroderidae) exhibit inverted attachment and altered germination in cross-infection studies with <i>Globodera pallida</i> (Nematoda: Heteroderidae). <i>FEMS Microbiology Ecology</i> , 2012, 79, 675-684.	1.3	22
93	Theory of microbial coexistence in promoting soilâ€“plant ecosystem health. <i>Biology and Fertility of Soils</i> , 2021, 57, 897-911.	2.3	21
94	Genetic Engineering and Nitrogen Fixation. <i>Biotechnology and Genetic Engineering Reviews</i> , 1984, 1, 65-88.	2.4	20
95	Linking rhizoplane pH and bacterial density at the microhabitat scale. <i>Journal of Microbiological Methods</i> , 2009, 76, 101-104.	0.7	19
96	Relative impact of soil, metal source and metal concentration on bacterial community structure and community tolerance. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1408-1417.	4.2	19
97	Transfer of Symbiotic Genes with Bacteriocinogenic Plasmids in <i>Rhizobium leguminosarum</i> . <i>Microbiology (United Kingdom)</i> , 1980, 116, 261-270.	0.7	18
98	Development of a transformation system for the nematophagous fungus <i>Pochonia chlamydosporia</i> . <i>Mycological Research</i> , 2004, 108, 654-661.	2.5	18
99	Potential mineralization and nitrification in volcanic grassland soils in Chile. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 380-391.	0.8	18
100	Land Management and Microbial Seed Load Effect on Rhizosphere and Endosphere Bacterial Community Assembly in Wheat. <i>Frontiers in Microbiology</i> , 2019, 10, 2625.	1.5	18
101	Measuring abundance, diversity and parasitic ability in two populations of the nematophagous fungus <i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i> . <i>Biocontrol Science and Technology</i> , 2009, 19, 391-406.	0.5	17
102	Microbiome Aggregated Traits and Assembly Are More Sensitive to Soil Management than Diversity. <i>MSystems</i> , 2021, 6, e0105620.	1.7	17
103	Biodiesel Co-Product (BCP) Decreases Soil Nitrogen (N) Losses to Groundwater. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1831.	1.1	16
104	Construction and characterization of a <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> strain designed to assess horizontal gene transfer in the environment. <i>FEMS Microbiology Letters</i> , 1995, 128, 255-263.	0.7	15
105	Assessment of core and accessory genetic variation in <i>Rhizobium leguminosarum</i> symbiovar <i>trifolii</i> strains from diverse locations and host plants using PCR-based methods. <i>Letters in Applied Microbiology</i> , 2014, 59, 238-246.	1.0	15
106	Occurrence of flavonoids and nucleosides in agricultural soils. <i>Applied and Environmental Microbiology</i> , 1997, 63, 4573-4577.	1.4	15
107	Rapid and reliable DNA extraction and PCR fingerprinting methods to discriminate multiple biotypes of the nematophagous fungus <i>Pochonia chlamydosporia</i> isolated from plant rhizospheres. <i>Letters in Applied Microbiology</i> , 2009, 48, 71-76.	1.0	13
108	Ecology of <i>Pochonia chlamydosporia</i> in the Rhizosphere at the Population, Whole Organism and Molecular Scales. , 2011, , 171-182.		13

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109	Bacterial and archaeal taxa are reliable indicators of soil restoration across distributed calcareous grasslands. <i>European Journal of Soil Science</i> , 2021, 72, 2430-2444.	1.8	12
110	Factors limiting gene transfer in bacteria. , 1990, , 31-40.		12
111	Development of a defined compost system for the study of plant-microbe interactions. <i>Scientific Reports</i> , 2020, 10, 7521.	1.6	11
112	A method for release and multiple strand amplification of small quantities of DNA from endospores of the fastidious bacterium <i>Pasteuria penetrans</i> . <i>Letters in Applied Microbiology</i> , 2010, 50, 515-521.	1.0	10
113	Identification of New Single Nucleotide Polymorphism-Based Markers for Inter- and Intraspecies Discrimination of Obligate Bacterial Parasites (<i>Pasteuria</i> spp.) of Invertebrates. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6388-6394.	1.4	10
114	Is there sufficient Ensifer and Rhizobium species diversity in UK farmland soils to support red clover (<i>Trifolium pratense</i>), white clover (<i>T. repens</i>), lucerne (<i>Medicago sativa</i>) and black medic (<i>M. Tj ETQq0 0 0 rgBT /Overlock 101f 50 537</i>)		
115	The influence of the root-knot nematode <i>Meloidogyne incognita</i> , the nematicide aldicarb and the nematophagous fungus <i>Pochonia chlamydosporia</i> on heterotrophic bacteria in soil and the rhizosphere. <i>European Journal of Soil Science</i> , 2003, 54, 759-766.	1.8	9
116	<i>Agrobacterium tumefaciens</i> T-DNA in the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1984, 195, 209-214.	2.4	8
117	The influence of the symbiotic plasmid pRL1JI on the distribution of GM rhizobia in soil and crop rhizospheres, and implications for gene flow. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 607-616.	0.7	8
118	Engineering soil organic matter quality: Biodiesel Co-Product (BCP) stimulates exudation of nitrogenous microbial biopolymers. <i>Geoderma</i> , 2015, 259-260, 205-212.	2.3	8
119	<i>Rhizobium Leguminosarum</i> as a Model for Investigating Gene Transfer in Soil. , 1988, , 10-17.		7
120	Impact of the nematophagous fungus <i>Pochonia chlamydosporia</i> on nematode and microbial populations. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2005, 70, 81-6.	0.0	7
121	Gene transfer in bacteria from soils contaminated with heavy metals. <i>Letters in Applied Microbiology</i> , 1999, 28, 317-320.	1.0	6
122	Host Plant Effects on Hybrids of <i>Rhizobium leguminosarum</i> Biovars viceae and trifolii. <i>Microbiology (United Kingdom)</i> , 1986, 132, 2063-2070.	0.7	5
123	A combined cryo-scanning electron microscopy/cryoplaning approach to study the infection of <i>Meloidogyne incognita</i> eggs by <i>Pochonia chlamydosporia</i> . <i>Nematology</i> , 2014, 16, 1059-1067.	0.2	5
124	Old meets new: most probable number validation of metagenomic and metatranscriptomic datasets in soil. <i>Letters in Applied Microbiology</i> , 2018, 66, 14-18.	1.0	4
125	Misguided phylogenetic comparisons using DGGE excised bands may contaminate public sequence databases. <i>Journal of Microbiological Methods</i> , 2016, 126, 18-23.	0.7	3
126	The role of soil microorganisms in soil organic matter conservation in the tropics. , 2001, , 41-51.		3

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127	Edaphic factors and plants influence denitrification in soils from a long-term arable experiment. Scientific Reports, 2020, 10, 16053.	1.6	2
128	Monitoring Survival of Genetically-Modified Rhizobium in the Field. , 1992, , 217-219.		2
129	Land Management Legacy Affects Abundance and Function of the acdS Gene in Wheat Root Associated Pseudomonads. Frontiers in Microbiology, 2021, 12, 611339.	1.5	2
130	Microorganisms Cycling Soil Nutrients. , 2019, , 179-192.		1
131	Digging the dirt. Nature Microbiology, 2016, 1, 16136.	5.9	0
132	Methods for studying the nematophagous fungus Verticillium chlamydosporium in the root environment. , 2002, , 21-30.		0
133	Soil microorganisms: role in soil health. Burleigh Dodds Series in Agricultural Science, 2018, , 169-196.	0.1	0
134	Culture-based Methods for Studying the Bacterial Root Microbiome of Wheat. Methods in Molecular Biology, 2021, 2232, 53-60.	0.4	0