

Embracing the unknown: disentangling the complexities

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Environmental filtering by <scp>pH</scp> and soil nutrients drives community assembly in fungi at fine spatial scales. <i>Molecular Ecology</i> , 2017, 26, 6960-6973.	2.0	223
3	Fight Fungi with Fungi: Antifungal Properties of the Amphibian Mycobiome. <i>Frontiers in Microbiology</i> , 2017, 8, 2494.	1.5	56
4	Biodiversity of biological soil crusts from the Polar Regions revealed by metabarcoding. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	47
5	Effect of dry-rewetting stress on response pattern of soil prokaryotic communities in alpine meadow soil. <i>Applied Soil Ecology</i> , 2018, 126, 98-106.	2.1	12
6	Harnessing a methaneâ€fueled, sedimentâ€free mixed microbial community for utilization of distributed sources of natural gas. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1450-1464.	1.7	4
7	Managing soil microbiology: realising opportunities for the productive land-based sectors. <i>New Zealand Journal of Agricultural Research</i> , 2018, 61, 358-376.	0.9	6
8	Over twenty years farmland reforestation decreases fungal diversity of soils, but stimulates the return of ectomycorrhizal fungal communities. <i>Plant and Soil</i> , 2018, 427, 231-244.	1.8	26
9	Out of sight, but no longer out of mind â€ towards an increased recognition of the role of soil microbes in plant speciation. <i>New Phytologist</i> , 2018, 217, 965-967.	3.5	16
10	Deciphering the associations between soil microbial diversity and ecosystem multifunctionality driven by longâ€term fertilization management. <i>Functional Ecology</i> , 2018, 32, 1103-1116.	1.7	141
11	Long-term warming rather than grazing significantly changed total and active soil prokaryotic community structures. <i>Geoderma</i> , 2018, 316, 1-10.	2.3	55
12	Bacterial potentials for uptake, solubilization and mineralization of extracellular phosphorus in agricultural soils are highly stable under different fertilization regimes. <i>Environmental Microbiology Reports</i> , 2018, 10, 320-327.	1.0	49
13	Temporal response of soil prokaryotic communities to acidification and alkalization under laboratory conditions. <i>European Journal of Soil Biology</i> , 2018, 86, 63-71.	1.4	3
14	Spatial scale affects the relative role of stochasticity versus determinism in soil bacterial communities in wheat fields across the North China Plain. <i>Microbiome</i> , 2018, 6, 27.	4.9	286
15	Chemical regulation of body feather microbiota in a wild bird. <i>Molecular Ecology</i> , 2018, 27, 1727-1738.	2.0	25
16	Landscape-Scale Factors Affecting the Prevalence of <i>Escherichia coli</i> in Surface Soil Include Land Cover Type, Edge Interactions, and Soil pH. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	25
17	Distinctive Soil Archaeal Communities in Different Variants of Tropical Equatorial Forest. <i>Microbial Ecology</i> , 2018, 76, 215-225.	1.4	10
18	Functional and phylogenetic response of soil prokaryotic community under an artificial moisture gradient. <i>Applied Soil Ecology</i> , 2018, 124, 372-378.	2.1	16
19	Nutrient limitations to bacterial and fungal growth during cellulose decomposition in tropical forest soils. <i>Biology and Fertility of Soils</i> , 2018, 54, 219-228.	2.3	86

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20	Microbiome. , 2018, , 99-128.		0
21	Candidate Causal Organisms for Apple Replant Disease in the United Kingdom. <i>Phytobiomes Journal</i> , 2018, 2, 261-274.	1.4	43
22	Extreme Geochemical Conditions and Dispersal Limitation Retard Primary Succession of Microbial Communities in Gold Tailings. <i>Frontiers in Microbiology</i> , 2018, 9, 2785.	1.5	8
23	Activity-Based Protein Profiling“Enabling Multimodal Functional Studies of Microbial Communities. <i>Current Topics in Microbiology and Immunology</i> , 2018, 420, 1-21.	0.7	17
24	Complete Genome Sequence of Sinorhizobium Phage $\phi$ M6, the First Terrestrial Phage of a Marine Phage Group. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	8
25	Diversity of Free-Living Environmental Bacteria and Their Interactions With a Bactivorous Amoeba. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 411.	1.8	29
26	Analysis of a bacterial community structure and the diversity of phzF gene in samples of the Amazonian Dark Earths cultivated with cowpea [ <i>Vigna unguiculata</i> (L.) Wald]. <i>African Journal of Agricultural Research Vol Pp</i> , 2018, 13, 1980-1989.	0.2	1
27	Land-Use Intensity Rather Than Plant Functional Identity Shapes Bacterial and Fungal Rhizosphere Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 2711.	1.5	62
28	Opportunistic Bacteria Dominate the Soil Microbiome Response to Phenanthrene in a Microcosm-Based Study. <i>Frontiers in Microbiology</i> , 2018, 9, 2815.	1.5	19
29	A practical introduction to microbial molecular ecology through the use of isolation chips. <i>Ecology and Evolution</i> , 2018, 8, 12286-12298.	0.8	5
30	Biologically driven DOC release from peatlands during recovery from acidification. <i>Nature Communications</i> , 2018, 9, 3807.	5.8	48
31	Probing active microbes involved in Bt-containing rice straw decomposition. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10273-10284.	1.7	11
32	Viruses in soil: Nano-scale undead drivers of microbial life, biogeochemical turnover and ecosystem functions. <i>Soil Biology and Biochemistry</i> , 2018, 127, 305-317.	4.2	172
33	Soil Viruses Are Underexplored Players in Ecosystem Carbon Processing. <i>MSystems</i> , 2018, 3, .	1.7	189
34	Existing Climate Change Will Lead to Pronounced Shifts in the Diversity of Soil Prokaryotes. <i>MSystems</i> , 2018, 3, .	1.7	41
35	Diversity of fungi and bacteria in species-rich grasslands increases with plant diversity in shoots but not in roots and soil. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	24
36	Consistent responses of soil microbial taxonomic and functional attributes to mercury pollution across China. <i>Microbiome</i> , 2018, 6, 183.	4.9	109
37	Dynamics of soil respiration and microbial communities: Interactive controls of temperature and substrate quality. <i>Soil Biology and Biochemistry</i> , 2018, 127, 60-70.	4.2	47

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38	Mycorrhizal microbiomes. <i>Mycorrhiza</i> , 2018, 28, 403-409.	1.3	22
39	Land use driven change in soil pH affects microbial carbon cycling processes. <i>Nature Communications</i> , 2018, 9, 3591.	5.8	380
41	Manipulating the soil microbiome for improved nitrogen management. <i>Microbiology Australia</i> , 2018, 39, 24.	0.1	16
42	Organic Amendments, Beneficial Microbes, and Soil Microbiota: Toward a Unified Framework for Disease Suppression. <i>Annual Review of Phytopathology</i> , 2018, 56, 1-20.	3.5	215
43	Keystone taxa as drivers of microbiome structure and functioning. <i>Nature Reviews Microbiology</i> , 2018, 16, 567-576.	13.6	1,516
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52	Exploring the resilience of wheat crops grown in short rotations through minimising the build-up of an important soil-borne fungal pathogen. <i>Scientific Reports</i> , 2018, 8, 9550.	1.6	12
53	The Alignment of Science, Technology, and Need. <i>Industrial Biotechnology</i> , 2018, 14, 112-115.	0.5	0
54	Fast automated reconstruction of genome-scale metabolic models for microbial species and communities. <i>Nucleic Acids Research</i> , 2018, 46, 7542-7553.	6.5	410
55	Long-Term Irrigation Affects the Dynamics and Activity of the Wheat Rhizosphere Microbiome. <i>Frontiers in Plant Science</i> , 2018, 9, 345.	1.7	73
56	Tree species mixture inhibits soil organic carbon mineralization accompanied by decreased r-selected bacteria. <i>Plant and Soil</i> , 2018, 431, 203-216.	1.8	24

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60	Evidence of Ash Tree ( <i>Fraxinus</i> spp.) Specific Associations with Soil Bacterial Community Structure and Functional Capacity. <i>Forests</i> , 2018, 9, 187.	0.9	10
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64	MicroPheno: predicting environments and host phenotypes from 16S rRNA gene sequencing using a k-mer based representation of shallow sub-samples. <i>Bioinformatics</i> , 2018, 34, i32-i42.	1.8	68
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73	Appropriate dissolved oxygen concentration and application stage of micro-nano bubble water oxygation in greenhouse crop plantation. <i>Agricultural Water Management</i> , 2019, 223, 105713.	2.4	50
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76	Archaea Enhance the Robustness of Microbial Co-occurrence Networks in Tibetan Plateau Soils. Soil Science Society of America Journal, 2019, 83, 1093-1099.	1.2	37
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87	Soil biofilms: microbial interactions, challenges, and advanced techniques for ex-situ characterization. Soil Ecology Letters, 2019, 1, 85-93.	2.4	62
88	More Than the Sum of Its Parts: Microbiome Biodiversity as a Driver of Plant Growth and Soil Health. Annual Review of Ecology, Evolution, and Systematics, 2019, 50, 145-168.	3.8	219
89	Local biotic interactions drive species-specific divergence in soil bacterial communities. ISME Journal, 2019, 13, 2846-2855.	4.4	10
90	A biogeographic map of soil bacterial communities in wheats field of the North China Plain. Soil Ecology Letters, 2019, 1, 50-58.	2.4	10
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92	Soil biota, antimicrobial resistance and planetary health. Environment International, 2019, 131, 105059.	4.8	163

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98	Soil Microbiomes as a Promising Strategy for Contaminated Soil Remediation: A Review. <i>Pedosphere</i> , 2019, 29, 283-297.	2.1	69
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100	Challenges and Opportunities for Soil Biodiversity in the Anthropocene. <i>Current Biology</i> , 2019, 29, R1036-R1044.	1.8	136
101	Growth promotion and biocontrol activity of <i>Nocardiopsis dassonvillei</i> strain YM12: an isolate from coastal agricultural land of Khambhat. <i>Vegetos</i> , 2019, 32, 571-582.	0.8	12
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112	The Roles of Invertebrates in the Urban Soil Microbiome. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	16
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118	Initial soil microbiome composition and functioning predetermine future plant health. <i>Science Advances</i> , 2019, 5, eaaw0759.	4.7	314
119	A composite taxonomical and functional framework of microbiomes under acid mine drainage bioremediation systems. <i>Journal of Environmental Management</i> , 2019, 251, 109581.	3.8	32
120	Nutrient Cycling in Organic Field Crops in Canada and the United States. <i>Agronomy Journal</i> , 2019, 111, 2769-2785.	0.9	18
121	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
122	Total and active soil fungal community profiles were significantly altered by six years of warming but not by grazing. <i>Soil Biology and Biochemistry</i> , 2019, 139, 107611.	4.2	59
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126	Environmental filtering of bacterial functional diversity along an aridity gradient. <i>Scientific Reports</i> , 2019, 9, 866.	1.6	33
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130	The variation in microbial community structure under different heavy metal contamination levels in paddy soils. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 557-564.	2.9	161
131	Novel Semi-IPN Nanocomposites with Functions of both Nutrient Slow-Release and Water Retention. 2. Effects on Soil Fertility and Tomato Quality. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7598-7608.	2.4	10
132	Sensing Soil Microbes and Interactions: How Can Nanomaterials Help?. <i>Nanotechnology in the Life Sciences</i> , 2019, , 213-236.	0.4	8
133	Probing the active fraction of soil microbiomes using BONCAT-FACS. <i>Nature Communications</i> , 2019, 10, 2770.	5.8	93
134	metaQuantome: An Integrated, Quantitative Metaproteomics Approach Reveals Connections Between Taxonomy and Protein Function in Complex Microbiomes. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S82-S91.	2.5	26
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138	Soil Viruses: A New Hope. <i>MSystems</i> , 2019, 4, .	1.7	71
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140	Effects of soil properties, heavy metals, and PBDEs on microbial community of e-waste contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 705-714.	2.9	47
141	Organic matter input influences incidence of root rot caused by <i>Rhizoctonia solani</i> AG8 and microorganisms associated with plant root disease suppression in three Australian agricultural soils. <i>Soil Research</i> , 2019, 57, 321.	0.6	3
142	Mediterranean grassland soil C-N compound turnover is dependent on rainfall and depth, and is mediated by genomically divergent microorganisms. <i>Nature Microbiology</i> , 2019, 4, 1356-1367.	5.9	170
143	Native soil microorganisms hinder the soil enrichment with antibiotic resistance genes following manure applications. <i>Scientific Reports</i> , 2019, 9, 6760.	1.6	39
144	Soil Aggregate Microbial Communities: Towards Understanding Microbiome Interactions at Biologically Relevant Scales. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	233
145	Dynamics of archaeal community in soil with application of composted tannery sludge. <i>Scientific Reports</i> , 2019, 9, 7347.	1.6	15
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148	Soil warming effects on tropical forests with highly weathered soils. , 2019, , 385-439.		13
149	Successional trajectories of soil bacterial communities in mine tailings: The role of plant functional traits. <i>Journal of Environmental Management</i> , 2019, 241, 284-292.	3.8	33
150	The Soil Microbiome of GLORIA Mountain Summits in the Swiss Alps. <i>Frontiers in Microbiology</i> , 2019, 10, 1080.	1.5	78
151	Soil Organic Carbon Chemical Functional Groups under Different Revegetation Types Are Coupled with Changes in the Microbial Community Composition and the Functional Genes. <i>Forests</i> , 2019, 10, 240.	0.9	19
152	Effects of Various Carbon Nanotubes on Soil Bacterial Community Composition and Structure. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5707-5716.	4.6	41
153	Predictive genomic traits for bacterial growth in culture versus actual growth in soil. <i>ISME Journal</i> , 2019, 13, 2162-2172.	4.4	66
154	Phylogenetic diversity of aerobic spore-forming Bacillales isolated from Brazilian soils. <i>International Microbiology</i> , 2019, 22, 511-520.	1.1	5
155	Effects of grassland afforestation on structure and function of soil bacterial and fungal communities. <i>Science of the Total Environment</i> , 2019, 676, 396-406.	3.9	108
156	Fine-scale diversity patterns in belowground microbial communities are consistent across kingdoms. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	8
157	Microbial Diversity and Antimicrobial Resistance Profile in Microbiota From Soils of Conventional and Organic Farming Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 892.	1.5	76
158	Characterization of Bacterial Communities in Breeding Waters of <i>Anopheles darlingi</i> in Manaus in the Amazon Basin Malaria-Endemic Area. <i>Microbial Ecology</i> , 2019, 78, 781-791.	1.4	21
159	Soil microbiome analysis in an ESCA diseased vineyard. <i>Soil Biology and Biochemistry</i> , 2019, 135, 60-70.	4.2	20
160	Unimodal productivity–diversity relationships among bacterial communities in a simple polar soil ecosystem. <i>Environmental Microbiology</i> , 2019, 21, 2523-2532.	1.8	12
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1038	Reductive soil disinfection with biochar amendment modified microbial community composition in soils under plastic greenhouse vegetable production. <i>Soil and Tillage Research</i> , 2022, 218, 105323.	2.6	16
1039	Enhanced soil quality after forest conversion to vegetable cropland and tea plantations has contrasting effects on soil microbial structure and functions. <i>Catena</i> , 2022, 211, 106029.	2.2	14
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1045	Extracts from Environmental Strains of <i>Pseudomonas</i> spp. Effectively Control Fungal Plant Diseases. <i>Plants</i> , 2022, 11, 436.	1.6	4
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1068	Contrasting Management Techniques and Soil Types Affect Network Connections between Soil Properties and the Tulip Microbiome. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1107	The associations between intestinal bacteria of <i>Eospalax cansus</i> and soil bacteria of its habitat. <i>BMC Veterinary Research</i> , 2022, 18, 129.	0.7	0
1108	Wetlands in China: Evolution, Carbon Sequestrations and Services, Threats, and Preservation/Restoration. <i>Water (Switzerland)</i> , 2022, 14, 1152.	1.2	8
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1116	A new insight into spacing patterns of soil bacterial microbiome induced by root rot of <i>Carya cathayensis</i> . <i>Applied Soil Ecology</i> , 2022, 174, 104416.	2.1	6
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1129	Vertical Farming: The Only Way Is Up?. <i>Agronomy</i> , 2022, 12, 2.	1.3	56
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1135	Chemical fumigation and biofumigation alter soil bacterial community diversity and composition. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	4
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1141	Complex impacts of hydraulic fracturing return fluids on soil microbial community respiration, structure and functional potentials. <i>Environmental Microbiology</i> , 2022, 24, 4108-4123.	1.8	2
1142	Responsible plant nutrition: A new paradigm to support food system transformation. <i>Global Food Security</i> , 2022, 33, 100636.	4.0	28
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1262	Polymer-based chemical-nose systems for optical-pattern recognition of gut microbiota. <i>Chemical Science</i> , 2022, 13, 5830-5837.	3.7	12
1264	Predators of Soil Bacteria in Plant and Human Health. <i>Phytobiomes Journal</i> , 2022, 6, 184-200.	1.4	7
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1268	Microbial Community-Level Physiological Profiles and Genetic Prokaryotic Structure of Burned Soils Under Mediterranean Sclerophyll Forests in Central Chile. <i>Frontiers in Microbiology</i> , 2022, 13, 824813.	1.5	5
1269	Soil <i>scn</i> DNA <i>scn</i> chronosequence analysis shows bacterial community reassembly following post-mining forest rehabilitation. <i>Restoration Ecology</i> , 2023, 31, .	1.4	3

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1272	Unique Geothermal Chemistry Shapes Microbial Communities on Mt. Erebus, Antarctica. <i>Frontiers in Microbiology</i> , 2022, 13, 836943.	1.5	3
1273	Rhizosphere bacteria community shift from vegetative to reproductive stage of Indonesia aromatic rice var. Pulut mandoti EMAS. <i>Rhizosphere</i> , 2022, , 100530.	1.4	1
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1284	The Application of Mixed Organic and Inorganic Fertilizers Drives Soil Nutrient and Bacterial Community Changes in Teak Plantations. <i>Microorganisms</i> , 2022, 10, 958.	1.6	8
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1286	Greenhouse gas (CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O) emissions after abandonment of agriculture. <i>Biology and Fertility of Soils</i> , 2022, 58, 579-591.	2.3	12
1287	Investigation of soil microbiota reveals variable dominant species at different land areas in China. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 245-255.	0.5	4
1288	Effects of Mercury Contamination on Microbial Diversity of Different Kinds of Soil. <i>Microorganisms</i> , 2022, 10, 977.	1.6	13
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1296	The Effects of Catch Crops on Properties of Continuous Cropping Soil and Growth of Vegetables in Greenhouse. <i>Agronomy</i> , 2022, 12, 1179.	1.3	2
1298	Organic amendments improved soil quality and reduced ecological risks of heavy metals in a long-term tea plantation field trial on an Alfisol. <i>Science of the Total Environment</i> , 2022, 838, 156017.	3.9	14
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1301	Complex and flexible catabolism in <i>Aromatoleum aromaticum</i> pCyN1. <i>Environmental Microbiology</i> , 2022, 24, 3195-3211.	1.8	4
1303	Harnessing agricultural microbiomes for human pathogen control. <i>ISME Communications</i> , 2022, 2, .	1.7	8
1304	Diversity in the soil virosphere: to infinity and beyond?. <i>Trends in Microbiology</i> , 2022, 30, 1025-1035.	3.5	35
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1307	Soil Bacterial Communities and Co-Occurrence Changes Associated with Multi-Nutrient Cycling Under Rice-Wheat Rotation Reclamation in Coastal Wetland. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1311	Grazing Changed Plant Community Composition and Reduced Stochasticity of Soil Microbial Community Assembly of Alpine Grasslands on the Qinghai-Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	9

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