

Daliang Ning

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

7,102
citations

109321

35
h-index

106344

65
g-index

67
all docs

67
docs citations

67
times ranked

5990
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of marginal land into switchgrass conditionally accrues soil carbon but reduces methane consumption. <i>ISME Journal</i> , 2022, 16, 10-25.	9.8	4
2	Sustained Ability of a Natural Microbial Community to Remove Nitrate from Groundwater. <i>Ground Water</i> , 2022, 60, 99-111.	1.3	6
3	Functional microbial community structures and chemical properties indicated mechanisms and potential risks of urban river eco-remediation. <i>Science of the Total Environment</i> , 2022, 803, 149868.	8.0	8
4	Towards revealing the global diversity and community assembly of soil eukaryotes. <i>Ecology Letters</i> , 2022, 25, 65-76.	6.4	47
5	Disentangling direct from indirect relationships in association networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	61
6	Microbial Community Structure and Ecological Networks during Simulation of Diatom Sinking. <i>Microorganisms</i> , 2022, 10, 639.	3.6	4
7	Precipitation balances deterministic and stochastic processes of bacterial community assembly in grassland soils. <i>Soil Biology and Biochemistry</i> , 2022, 168, 108635.	8.8	38
8	Temporal Dynamics of Bacterial Communities along a Gradient of Disturbance in a U.S. Southern Plains Agroecosystem. <i>MBio</i> , 2022, 13, e0382921.	4.1	4
9	Reduction of microbial diversity in grassland soil is driven by long-term climate warming. <i>Nature Microbiology</i> , 2022, 7, 1054-1062.	13.3	86
10	Ecological insights into assembly processes and network structures of bacterial biofilms in full-scale biologically active carbon filters under ozone implementation. <i>Science of the Total Environment</i> , 2021, 751, 141409.	8.0	16
11	The microbial network property as a bio-indicator of antibiotic transmission in the environment. <i>Science of the Total Environment</i> , 2021, 758, 143712.	8.0	24
12	Climate warming enhances microbial network complexity and stability. <i>Nature Climate Change</i> , 2021, 11, 343-348.	18.8	672
13	The call for regional design code from the regional discrepancy of microbial communities in activated sludge. <i>Environmental Pollution</i> , 2021, 273, 116487.	7.5	10
14	Protist diversity and community complexity in the rhizosphere of switchgrass are dynamic as plants develop. <i>Microbiome</i> , 2021, 9, 96.	11.1	54
15	Genetic Basis of Chromate Adaptation and the Role of the Pre-existing Genetic Divergence during an Experimental Evolution Study with <i>Desulfovibrio vulgaris</i> Populations. <i>MSystems</i> , 2021, 6, e0049321.	3.8	0
16	Seasonal dynamics of the microbial community in two full-scale wastewater treatment plants: Diversity, composition, phylogenetic group based assembly and co-occurrence pattern. <i>Water Research</i> , 2021, 200, 117295.	11.3	83
17	High historical variability weakens the effects of current climate differentiation on microbial community dissimilarity and assembly. <i>Global Change Biology</i> , 2021, 27, 5963-5975.	9.5	2
18	Electrical selection for planktonic sludge microbial community function and assembly. <i>Water Research</i> , 2021, 206, 117744.	11.3	81

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19	Environmental Water and Sediment Microbial Communities Shape Intestine Microbiota for Host Health: The Central Dogma in an Anthropogenic Aquaculture Ecosystem. <i>Frontiers in Microbiology</i> , 2021, 12, 772149.	3.5	8
20	Behaviors of Homologous Antibiotic Resistance Genes in a Cephalosporin WWTP, Subsequent WWTP and the Receiving River. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	2
21	Biodegradability of wastewater determines microbial assembly mechanisms in full-scale wastewater treatment plants. <i>Water Research</i> , 2020, 169, 115276.	11.3	109
22	Dynamics of coastal bacterial community average ribosomal RNA operon copy number reflect its response and sensitivity to ammonium and phosphate. <i>Environmental Pollution</i> , 2020, 260, 113971.	7.5	12
23	Gene-informed decomposition model predicts lower soil carbon loss due to persistent microbial adaptation to warming. <i>Nature Communications</i> , 2020, 11, 4897.	12.8	67
24	Century long fertilization reduces stochasticity controlling grassland microbial community succession. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108023.	8.8	60
25	Experimental evolution reveals nitrate tolerance mechanisms in <i>Desulfovibrio vulgaris</i> . <i>ISME Journal</i> , 2020, 14, 2862-2876.	9.8	10
26	A quantitative framework reveals ecological drivers of grassland microbial community assembly in response to warming. <i>Nature Communications</i> , 2020, 11, 4717.	12.8	417
27	Winter warming in Alaska accelerates lignin decomposition contributed by Proteobacteria. <i>Microbiome</i> , 2020, 8, 84.	11.1	47
28	Microecological Koch's postulates reveal that intestinal microbiota dysbiosis contributes to shrimp white feces syndrome. <i>Microbiome</i> , 2020, 8, 32.	11.1	126
29	Soil Microbial Community Assembly and Interactions Are Constrained by Nitrogen and Phosphorus in Broadleaf Forests of Southern China. <i>Forests</i> , 2020, 11, 285.	2.1	10
30	Warming-induced permafrost thaw exacerbates tundra soil carbon decomposition mediated by microbial community. <i>Microbiome</i> , 2020, 8, 3.	11.1	75
31	Biogeography and Assembly of Microbial Communities in Wastewater Treatment Plants in China. <i>Environmental Science & Technology</i> , 2020, 54, 5884-5892.	10.0	34
32	Small and mighty: adaptation of superphylum Patescibacteria to groundwater environment drives their genome simplicity. <i>Microbiome</i> , 2020, 8, 51.	11.1	205
33	Functional structures of soil microbial community relate to contrasting N ₂ O emission patterns from a highly acidified forest. <i>Science of the Total Environment</i> , 2020, 725, 138504.	8.0	10
34	Stimulation of soil respiration by elevated CO ₂ is enhanced under nitrogen limitation in a decade-long grassland study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33317-33324.	7.1	34
35	Continental scale structuring of forest and soil diversity via functional traits. <i>Nature Ecology and Evolution</i> , 2019, 3, 1298-1308.	7.8	34
36	A general framework for quantitatively assessing ecological stochasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16892-16898.	7.1	482

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37	Deterministic and stochastic processes driving the shift in the prokaryotic community composition in wastewater treatment plants of a coastal Chinese city. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9155-9168.	3.6	15
38	Interdomain ecological networks between plants and microbes. <i>Molecular Ecology Resources</i> , 2019, 19, 1565-1577.	4.8	64
39	Functional Gene Array-Based Ultrasensitive and Quantitative Detection of Microbial Populations in Complex Communities. <i>MSystems</i> , 2019, 4, .	3.8	54
40	Global diversity and biogeography of bacterial communities in wastewater treatment plants. <i>Nature Microbiology</i> , 2019, 4, 1183-1195.	13.3	491
41	The spatial scale dependence of diazotrophic and bacterial community assembly in paddy soil. <i>Global Ecology and Biogeography</i> , 2019, 28, 1093-1105.	5.8	42
42	Thermal disruption of soil bacterial assemblages decreases diversity and assemblage similarity. <i>Ecosphere</i> , 2019, 10, e02598.	2.2	2
43	Climate warming accelerates temporal scaling of grassland soil microbial biodiversity. <i>Nature Ecology and Evolution</i> , 2019, 3, 612-619.	7.8	82
44	Deterministic Assembly and Diversity Gradient Altered the Biofilm Community Performances of Bioreactors. <i>Environmental Science & Technology</i> , 2019, 53, 1315-1324.	10.0	109
45	Microbial Functional Gene Diversity Predicts Groundwater Contamination and Ecosystem Functioning. <i>MBio</i> , 2018, 9, .	4.1	57
46	Temperature determines the diversity and structure of N ₂ -fixing microbial assemblages. <i>Functional Ecology</i> , 2018, 32, 1867-1878.	3.6	19
47	Oral microbiota of periodontal health and disease and their changes after nonsurgical periodontal therapy. <i>ISME Journal</i> , 2018, 12, 1210-1224.	9.8	188
48	Biodegradation of polystyrene wastes in yellow mealworms (larvae of <i>Tenebrio molitor</i> Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. <i>Chemosphere</i> , 2018, 191, 979-989.	8.2	168
49	Dynamics of Sediment Microbial Functional Capacity and Community Interaction Networks in an Urbanized Coastal Estuary. <i>Frontiers in Microbiology</i> , 2018, 9, 2731.	3.5	22
50	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of <i>Tenebrio</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td</i> 6526-6533.	10.0	316
51	Microbial community assembly differs across minerals in a rhizosphere microcosm. <i>Environmental Microbiology</i> , 2018, 20, 4444-4460.	3.8	77
52	Spatial scaling of forest soil microbial communities across a temperature gradient. <i>Environmental Microbiology</i> , 2018, 20, 3504-3513.	3.8	24
53	Climate warming leads to divergent succession of grassland microbial communities. <i>Nature Climate Change</i> , 2018, 8, 813-818.	18.8	208
54	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of <i>Tenebrio molitor</i> Linnaeus (Coleoptera: Tenebrionidae). <i>Chemosphere</i> , 2018, 212, 262-271.	8.2	130

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55	Flavobacterium phocarum sp. nov., isolated from soils of a seal habitat in Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 536-541.	1.7	11
56	Biogeochemistry drives diversity in the prokaryotes, fungi, and invertebrates of a Panama forest. Ecology, 2017, 98, 2019-2028.	3.2	46
57	Nearly a decade-long repeatable seasonal diversity patterns of bacterioplankton communities in the eutrophic Lake Donghu (Wuhan, China). Molecular Ecology, 2017, 26, 3839-3850.	3.9	76
58	Correspondence: Reply to "Analytical flaws in a continental-scale forest soil microbial diversity study". Nature Communications, 2017, 8, 15583.	12.8	4
59	Stochastic Community Assembly: Does It Matter in Microbial Ecology?. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	1,291
60	Rapid Response of Eastern Mediterranean Deep Sea Microbial Communities to Oil. Scientific Reports, 2017, 7, 5762.	3.3	27
61	Evaluation of the reproducibility of amplicon sequencing with Illumina MiSeq platform. PLoS ONE, 2017, 12, e0176716.	2.5	107
62	Temperature mediates continental-scale diversity of microbes in forest soils. Nature Communications, 2016, 7, 12083.	12.8	419
63	Effect of eco-remediation using planted floating bed system on nutrients and heavy metals in urban river water and sediment: A field study in China. Science of the Total Environment, 2014, 485-486, 596-603.	8.0	59
64	Involvement of Cytochrome P450 in Pentachlorophenol Transformation in a White Rot Fungus Phanerochaete chrysosporium. PLoS ONE, 2012, 7, e45887.	2.5	34