Linwei Wu

List of Publications by Year
in descending order

26 papers	3,190 citations	361413 20 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	2703 citing authors

#	Article	IF	Citations
1	Climate warming enhances microbial network complexity and stability. Nature Climate Change, 2021, 11, 343-348.	18.8	672
2	Global diversity and biogeography of bacterial communities in wastewater treatment plants. Nature Microbiology, 2019, 4, 1183-1195.	13.3	491
3	A quantitative framework reveals ecological drivers of grassland microbial community assembly in response to warming. Nature Communications, 2020, 11, 4717.	12.8	417
4	The microbial gene diversity along an elevation gradient of the Tibetan grassland. ISME Journal, 2014, 8, 430-440.	9.8	249
5	Small and mighty: adaptation of superphylum Patescibacteria to groundwater environment drives their genome simplicity. Microbiome, 2020, 8, 51.	11.1	205
6	Long-term successional dynamics of microbial association networks in anaerobic digestion processes. Water Research, 2016, 104, 1-10.	11.3	177
7	The microbe-mediated mechanisms affecting topsoil carbon stock in Tibetan grasslands. ISME Journal, 2015, 9, 2012-2020.	9.8	98
8	Nutrient supply controls the linkage between species abundance and ecological interactions in marine bacterial communities. Nature Communications, 2022, 13, 175.	12.8	95
9	Reduction of microbial diversity in grassland soil is driven by long-term climate warming. Nature Microbiology, 2022, 7, 1054-1062.	13.3	86
10	Seasonal dynamics of the microbial community in two full-scale wastewater treatment plants: Diversity, composition, phylogenetic group based assembly and co-occurrence pattern. Water Research, 2021, 200, 117295.	11.3	83
11	Climate warming accelerates temporal scaling of grassland soil microbial biodiversity. Nature Ecology and Evolution, 2019, 3, 612-619.	7.8	82
12	Microbial functional trait of rRNA operon copy numbers increases with organic levels in anaerobic digesters. ISME Journal, 2017, 11, 2874-2878.	9.8	70
13	Bacteriophageâ€“prokaryote dynamics and interaction within anaerobic digestion processes across time and space. Microbiome, 2017, 5, 57.	11.1	68
14	Gene-informed decomposition model predicts lower soil carbon loss due to persistent microbial adaptation to warming. Nature Communications, 2020, 11, 4897.	12.8	67
15	Disentangling direct from indirect relationships in association networks. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	61
16	Winter warming in Alaska accelerates lignin decomposition contributed by Proteobacteria. Microbiome, 2020, 8, 84.	11.1	47
17	The spatial scale dependence of diazotrophic and bacterial community assembly in paddy soil. Global Ecology and Biogeography, 2019, 28, 1093-1105.	5.8	42
18	Zonal Soil Type Determines Soil Microbial Responses to Maize Cropping and Fertilization. MSystems, 2016, 1, .	3.8	38

#	Article	IF	Citations
19	Alpine soil carbon is vulnerable to rapid microbial decomposition under climate cooling. ISME Journal, 2017, 11, 2102-2111.	9.8	33
20	Environmental antibiotics drives the genetic functions of resistome dynamics. Environment International, 2020, 135, 105398.	10.0	29
21	Evaluating the lingering effect of livestock grazing on functional potentials of microbial communities in Tibetan grassland soils. Plant and Soil, 2016, 407, 385-399.	3.7	16
22	Dissimilar responses of fungal and bacterial communities to soil transplantation simulating abrupt climate changes. Molecular Ecology, 2019, 28, 1842-1856.	3.9	13
23	Permafrost thaw with warming reduces microbial metabolic capacities in subsurface soils. Molecular Ecology, 2022, 31, 1403-1415.	3.9	12
24	Microbial Functional Responses Explain Alpine Soil Carbon Fluxes under Future Climate Scenarios. MBio, 2021, 12, .	4.1	10
25	Macroecological distributions of gene variants highlight the functional organization of soil microbial systems. ISME Journal, 2022, 16, 726-737.	9.8	8
26	GeoChip as a metagenomics tool to analyze the microbial gene diversity along an elevation gradient. Genomics Data, 2014, 2, 132-134.	1.3	5