

Kai Feng

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,775
citations

430874

18
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity and species competition regulate the resilience of microbial biofilm community. <i>Molecular Ecology</i> , 2017, 26, 6170-6182.	3.9	299
2	Soil bacterial quantification approaches coupling with relative abundances reflecting the changes of taxa. <i>Scientific Reports</i> , 2017, 7, 4837.	3.3	131
3	iNAP: An integrated network analysis pipeline for microbiome studies. , 2022, 1, .		126
4	Deterministic Assembly and Diversity Gradient Altered the Biofilm Community Performances of Bioreactors. <i>Environmental Science & Technology</i> , 2019, 53, 1315-1324.	10.0	109
5	Temperature and microbial interactions drive the deterministic assembly processes in sediments of hot springs. <i>Science of the Total Environment</i> , 2021, 772, 145465.	8.0	85
6	Warming reshaped the microbial hierarchical interactions. <i>Global Change Biology</i> , 2021, 27, 6331-6347.	9.5	81
7	The divergence between fungal and bacterial communities in seasonal and spatial variations of wastewater treatment plants. <i>Science of the Total Environment</i> , 2018, 628-629, 969-978.	8.0	79
8	mcrA sequencing reveals the role of basophilic methanogens in a cathodic methanogenic community. <i>Water Research</i> , 2018, 136, 192-199.	11.3	77
9	The responses and adaptations of microbial communities to salinity in farmland soils: A molecular ecological network analysis. <i>Applied Soil Ecology</i> , 2017, 120, 239-246.	4.3	76
10	Microbial Community and Functional Structure Significantly Varied among Distinct Types of Paddy Soils But Responded Differently along Gradients of Soil Depth Layers. <i>Frontiers in Microbiology</i> , 2017, 8, 945.	3.5	76
11	Network analysis infers the wilt pathogen invasion associated with non-detrimental bacteria. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 8.	6.4	68
12	Interdomain ecological networks between plants and microbes. <i>Molecular Ecology Resources</i> , 2019, 19, 1565-1577.	4.8	64
13	Assembly Patterns of the Rhizosphere Microbiome Along the Longitudinal Root Axis of Maize (<i>Zea mays</i>) Tj ETQq1 1 0.784314,rgBT / 0	3.5	57
14	Steeper spatial scaling patterns of subsoil microbiota are shaped by deterministic assembly process. <i>Molecular Ecology</i> , 2021, 30, 1072-1085.	3.9	43
15	Exploring abundance, diversity and variation of a widespread antibiotic resistance gene in wastewater treatment plants. <i>Environment International</i> , 2018, 117, 186-195.	10.0	40
16	High-Throughput Single-Cell Technology Reveals the Contribution of Horizontal Gene Transfer to Typical Antibiotic Resistance Gene Dissemination in Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2021, 55, 11824-11834.	10.0	33
17	Soil microbiome mediated nutrients decline during forest degradation process. <i>Soil Ecology Letters</i> , 2019, 1, 59-71.	4.5	29
18	Electro-driven methanogenic microbial community diversity and variability in the electron abundant niche. <i>Science of the Total Environment</i> , 2019, 661, 178-186.	8.0	26

#	ARTICLE	IF	CITATIONS
19	The Succession of Bacterial Community Attached on Biodegradable Plastic Mulches During the Degradation in Soil. <i>Frontiers in Microbiology</i> , 2021, 12, 785737.	3.5	25
20	Fungi-Bacteria Associations in Wilt Diseased Rhizosphere and Endosphere by Interdomain Ecological Network Analysis. <i>Frontiers in Microbiology</i> , 2021, 12, 722626.	3.5	21
21	Temperature determines the diversity and structure of N ₂ -fixing microbial assemblages. <i>Functional Ecology</i> , 2018, 32, 1867-1878.	3.6	19
22	Nitrogen and water addition regulate soil fungal diversity and co-occurrence networks. <i>Journal of Soils and Sediments</i> , 2020, 20, 3192-3203.	3.0	18
23	Unraveling the diversity of sedimentary sulfate-reducing prokaryotes (SRP) across Tibetan saline lakes using epicPCR. <i>Microbiome</i> , 2019, 7, 71.	11.1	16
24	Niche width of above- and below-ground organisms varied in predicting biodiversity profiling along a latitudinal gradient. <i>Molecular Ecology</i> , 2020, 29, 1890-1902.	3.9	16
25	Organic fertilizer potentiates the transfer of typical antibiotic resistance gene among special bacterial species. <i>Journal of Hazardous Materials</i> , 2022, 435, 128985.	12.4	15
26	ARGA, a pipeline for primer evaluation on antibiotic resistance genes. <i>Environment International</i> , 2019, 128, 137-145.	10.0	14
27	Florfenicol restructured the microbial interaction network for wastewater treatment by microbial electrolysis cells. <i>Environmental Research</i> , 2020, 183, 109145.	7.5	14
28	Sampling cores and sequencing depths affected the measurement of microbial diversity in soil quadrats. <i>Science of the Total Environment</i> , 2021, 767, 144966.	8.0	14
29	Enhanced nitrate removal in an Fe ⁰ -driven autotrophic denitrification system using hydrogen-rich water. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1380-1388.	2.4	11
30	Assessment of microbial α -diversity in one meter squared topsoil. <i>Soil Ecology Letters</i> , 2022, 4, 224-236.	4.5	10
31	Network analysis reveals the root endophytic fungi associated with <i>Fusarium</i> root rot invasion. <i>Applied Soil Ecology</i> , 2022, 178, 104567.	4.3	10
32	On the phenology of protists: recurrent patterns reveal seasonal variation of protistan (Rhizaria) Tj ETQq0 0 0 rgBT _{2.7} /Overlock ₁₀ Tf 50 2	2.7	9
33	Interkingdom plant-microbial ecological networks under selective and clear cutting of tropical rainforest. <i>Forest Ecology and Management</i> , 2021, 491, 119182.	3.2	9
34	ddPCR surpasses classical qPCR technology in quantitating bacteria and fungi in the environment. <i>Molecular Ecology Resources</i> , 2022, 22, 2587-2598.	4.8	9
35	The large-scale spatial patterns of ecological networks between phytoplankton and zooplankton in coastal marine ecosystems. <i>Science of the Total Environment</i> , 2022, 827, 154285.	8.0	8
36	Relationships Between Soil Microbial Diversities Across an Aridity Gradient in Temperate Grasslands. <i>Microbial Ecology</i> , 2023, 85, 1013-1027.	2.8	7

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37	The Coexistence Relationship Between Plants and Soil Bacteria Based on Interdomain Ecological Network Analysis. <i>Frontiers in Microbiology</i> , 2021, 12, 745582.	3.5	6
38	Fungal dynamics and potential functions during anaerobic digestion of food waste. <i>Environmental Research</i> , 2022, 212, 113298.	7.5	6
39	ARDEP, a Rapid Degenerate Primer Design Pipeline Based on k-mers for Amplicon Microbiome Studies. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5958.	2.6	4
40	Effect of dietary protein levels on the growth, enzyme activity, and immunological status of <i>Culter mongolicus</i> fingerlings. <i>PLoS ONE</i> , 2022, 17, e0263507.	2.5	4
41	Homogeneous Selection and Dispersal Limitation Dominate the Effect of Soil Strata Under Warming Condition. <i>Frontiers in Microbiology</i> , 2022, 13, 801083.	3.5	4
42	Modeling trophic interactions and impacts of introduced icefish (<i>Neosalanx taihuensis</i> Chen) in three large reservoirs in the Yangtze River basin, China. <i>Hydrobiologia</i> , 2020, 847, 3637-3657.	2.0	2
43	A Parasite's Paradise: Biotrophic Species Prevail Oomycete Community Composition in Tree Canopies. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	2