

# 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  | Relationships Between Soil Microbial Diversities Across an Aridity Gradient in Temperate Grasslands. <i>Microbial Ecology</i> , 2023, 85, 1013-1027.   | 2.8  | 7         |
| 2  | Assessment of microbial $\alpha$ -diversity in one meter squared topsoil. <i>Soil Ecology Letters</i> , 2022, 4, 224-236.  | 4.5  | 10        |
| 3  | 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         |
| 4  | 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         |
| 5  | iNAP: An integrated network analysis pipeline for microbiome studies. , 2022, 1, .   |      | 126       |
| 6  | 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         |
| 7  | Fungal dynamics and potential functions during anaerobic digestion of food waste. <i>Environmental Research</i> , 2022, 212, 113298.   | 7.5  | 6         |
| 8  | 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        |
| 9  | $ddPCR$ surpasses classical $qPCR$ technology in quantitating bacteria and fungi in the environment. <i>Molecular Ecology Resources</i> , 2022, 22, 2587-2598.   | 4.8  | 9         |
| 10 | 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        |
| 11 | Steeper spatial scaling patterns of subsoil microbiota are shaped by deterministic assembly process. <i>Molecular Ecology</i> , 2021, 30, 1072-1085.   | 3.9  | 43        |
| 12 | Assembly Patterns of the Rhizosphere Microbiome Along the Longitudinal Root Axis of Maize ( <i>Zea mays</i> ) Tj ETQq0 0 0 rgBT /Overlock 10   | 3.5  | 57        |
| 13 | 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         |
| 14 | 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        |
| 15 | On the phenology of protists: recurrent patterns reveal seasonal variation of protistan (Rhizaria:) Tj ETQq1 1 0.784314 rgBT /Overlock 1   | 2.7  | 9         |
| 16 | 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        |
| 17 | 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         |
| 18 | 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 &amp; Technology</i> , 2021, 55, 11824-11834. | 10.0 | 33        |

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|----|---|------|-----------|
| 19 | 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        |
| 20 | Warming reshaped the microbial hierarchical interactions. <i>Global Change Biology</i> , 2021, 27, 6331-6347.   | 9.5  | 81        |
| 21 | 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        |
| 22 | 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         |
| 23 | 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         |
| 24 | 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         |
| 25 | 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        |
| 26 | Network analysis infers the wilt pathogen invasion associated with non-detrimental bacteria. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 8.  | 6.4  | 68        |
| 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 | 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        |
| 29 | Soil microbiome mediated nutrients decline during forest degradation process. <i>Soil Ecology Letters</i> , 2019, 1, 59-71.   | 4.5  | 29        |
| 30 | Interdomain ecological networks between plants and microbes. <i>Molecular Ecology Resources</i> , 2019, 19, 1565-1577.  | 4.8  | 64        |
| 31 | 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        |
| 32 | Enhanced nitrate removal in an Fe <sup>0</sup> -driven autotrophic denitrification system using hydrogen-rich water. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1380-1388.        | 2.4  | 11        |
| 33 | ARGA, a pipeline for primer evaluation on antibiotic resistance genes. <i>Environment International</i> , 2019, 128, 137-145.   | 10.0 | 14        |
| 34 | Unraveling the diversity of sedimentary sulfate-reducing prokaryotes (SRP) across Tibetan saline lakes using epicPCR. <i>Microbiome</i> , 2019, 7, 71.  | 11.1 | 16        |
| 35 | Deterministic Assembly and Diversity Gradient Altered the Biofilm Community Performances of Bioreactors. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1315-1324.                                 | 10.0 | 109       |
| 36 | Temperature determines the diversity and structure of N <sub>2</sub> -reducing microbial assemblages. <i>Functional Ecology</i> , 2018, 32, 1867-1878.  | 3.6  | 19        |

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|----|--|------|-----------|
| 37 | 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        |
| 38 | mcrA sequencing reveals the role of basophilic methanogens in a cathodic methanogenic community. <i>Water Research</i> , 2018, 136, 192-199.   | 11.3 | 77        |
| 39 | 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        |
| 40 | 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        |
| 41 | Biodiversity and species competition regulate the resilience of microbial biofilm community. <i>Molecular Ecology</i> , 2017, 26, 6170-6182.   | 3.9  | 299       |
| 42 | Soil bacterial quantification approaches coupling with relative abundances reflecting the changes of taxa. <i>Scientific Reports</i> , 2017, 7, 4837.  | 3.3  | 131       |
| 43 | 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        |