

Nan Hui

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,587
citations

236925

25
h-index

315739

38
g-index

51
all docs

51
docs citations

51
times ranked

1620
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Biodiversity intervention enhances immune regulation and health-associated commensal microbiota among daycare children. <i>Science Advances</i> , 2020, 6, . | 10.3 | 174 |
| 2 | Soil microbial communities are shaped by vegetation type and park age in cities under cold climate. <i>Environmental Microbiology</i> , 2017, 19, 1281-1295. | 3.8 | 114 |
| 3 | Urbanization Reduces Transfer of Diverse Environmental Microbiota Indoors. <i>Frontiers in Microbiology</i> , 2018, 9, 84. | 3.5 | 95 |
| 4 | Vegetation Type and Age Drive Changes in Soil Properties, Nitrogen, and Carbon Sequestration in Urban Parks under Cold Climate. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, . | 2.2 | 72 |
| 5 | Advances in fungal-assisted phytoremediation of heavy metals: A review. <i>Pedosphere</i> , 2021, 31, 475-495. | 4.0 | 69 |
| 6 | Short-term direct contact with soil and plant materials leads to an immediate increase in diversity of skin microbiota. <i>MicrobiologyOpen</i> , 2019, 8, e00645. | 3.0 | 63 |
| 7 | Urban parks provide ecosystem services by retaining metals and nutrients in soils. <i>Environmental Pollution</i> , 2017, 231, 451-461. | 7.5 | 56 |
| 8 | The abundance of health-associated bacteria is altered in PAH polluted soils—Implications for health in urban areas?. <i>PLoS ONE</i> , 2017, 12, e0187852. | 2.5 | 52 |
| 9 | Half-lives of PAHs and temporal microbiota changes in commonly used urban landscaping materials. <i>PeerJ</i> , 2018, 6, e4508. | 2.0 | 52 |
| 10 | Soil biota in boreal urban greenspace: Responses to plant type and age. <i>Soil Biology and Biochemistry</i> , 2018, 118, 145-155. | 8.8 | 51 |
| 11 | Nature-derived microbiota exposure as a novel immunomodulatory approach. <i>Future Microbiology</i> , 2018, 13, 737-744. | 2.0 | 50 |
| 12 | When nanoparticle and microbes meet: The effect of multi-walled carbon nanotubes on microbial community and nutrient cycling in hyperaccumulator system. <i>Journal of Hazardous Materials</i> , 2022, 423, 126947. | 12.4 | 48 |
| 13 | Molecular profile of microbiota of Finnish commercial compost suppressive against <i>Pythium</i> disease on cucumber plants. <i>Applied Soil Ecology</i> , 2015, 92, 47-53. | 4.3 | 45 |
| 14 | Dynamics and functions of bacterial communities in bark, charcoal and sand filters treating greywater. <i>Water Research</i> , 2014, 54, 21-32. | 11.3 | 40 |
| 15 | Yard vegetation is associated with gut microbiota composition. <i>Science of the Total Environment</i> , 2020, 713, 136707. | 8.0 | 39 |
| 16 | Diverse Environmental Microbiota as a Tool to Augment Biodiversity in Urban Landscaping Materials. <i>Frontiers in Microbiology</i> , 2019, 10, 536. | 3.5 | 37 |
| 17 | Long-term biodiversity intervention shapes health-associated commensal microbiota among urban day-care children. <i>Environment International</i> , 2021, 157, 106811. | 10.0 | 36 |
| 18 | EcM fungal community structure, but not diversity, altered in a Pb-contaminated shooting range in a boreal coniferous forest site in Southern Finland. <i>FEMS Microbiology Ecology</i> , 2011, 76, 121-132. | 2.7 | 35 |

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|----|--|------|-----------|
| 19 | Distribution of Archaeal Communities along the Coast of the Gulf of Finland and Their Response to Oil Contamination. <i>Frontiers in Microbiology</i> , 2018, 9, 15. | 3.5 | 34 |
| 20 | Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas. <i>Environment International</i> , 2019, 132, 105069. | 10.0 | 34 |
| 21 | <i>Streptomyces griseorubens</i> JSD-1 promotes rice straw composting efficiency in industrial-scale fermenter: Evaluation of change in physicochemical properties and microbial community. <i>Bioresource Technology</i> , 2021, 321, 124465. | 9.6 | 34 |
| 22 | Anti-Hyperlipidemia and Gut Microbiota Community Regulation Effects of Selenium-Rich <i>Cordyceps militaris</i> Polysaccharides on the High-Fat Diet-Fed Mice Model. <i>Foods</i> , 2021, 10, 2252. | 4.3 | 34 |
| 23 | Endocrine disruption and commensal bacteria alteration associated with gaseous and soil PAH contamination among daycare children. <i>Environment International</i> , 2019, 130, 104894. | 10.0 | 32 |
| 24 | Bacterial community structure in atrazine treated reforested farmland in Wuying China. <i>Applied Soil Ecology</i> , 2016, 98, 39-46. | 4.3 | 29 |
| 25 | Ectomycorrhizal Fungal Communities in Urban Parks Are Similar to Those in Natural Forests but Shaped by Vegetation and Park Age. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 3.1 | 29 |
| 26 | 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. | 3.7 | 26 |
| 27 | Diversity and versatile functions of metallothioneins produced by plants: A review. <i>Pedosphere</i> , 2020, 30, 577-588. | 4.0 | 21 |
| 28 | Karst rocky desertification does not erode ectomycorrhizal fungal species richness but alters microbial community structure. <i>Plant and Soil</i> , 2019, 445, 383-396. | 3.7 | 16 |
| 29 | Associations between land cover categories, gaseous PAH levels in ambient air and endocrine signaling predicted from gut bacterial metagenome of the elderly. <i>Chemosphere</i> , 2021, 265, 128965. | 8.2 | 15 |
| 30 | Previous exposure advances the degradation of an anthropogenic s-triazine regardless of soil origin. <i>Journal of Soils and Sediments</i> , 2013, 13, 1430-1438. | 3.0 | 13 |
| 31 | Urbanization minimizes the effects of plant traits on soil provisioned ecosystem services across climatic regions. <i>Global Change Biology</i> , 2021, 27, 4139-4153. | 9.5 | 12 |
| 32 | Suppression of clubroot (<i>Plasmodiophora brassicae</i>) development in <i>Brassica campestris</i> sp. <i>chinensis</i> L. via exogenous inoculation of <i>Piriformospora indica</i> . <i>Journal of Radiation Research and Applied Sciences</i> , 2020, 13, 180-190. | 1.2 | 11 |
| 33 | Phosphorus elevation erodes ectomycorrhizal community diversity and induces divergence of saprophytic community composition between vegetation types. <i>Science of the Total Environment</i> , 2021, 793, 148502. | 8.0 | 11 |
| 34 | Polycyclic aromatic hydrocarbons in leaves of <i>Cinnamomum camphora</i> along the urban-rural gradient of a megacity: Distribution varies in concentration and potential toxicity. <i>Science of the Total Environment</i> , 2020, 732, 139328. | 8.0 | 11 |
| 35 | Short-term effects of land consolidation of dryland-to-paddy conversion on soil CO ₂ flux. <i>Journal of Environmental Management</i> , 2021, 292, 112691. | 7.8 | 10 |
| 36 | Habitat Elevation Shapes Microbial Community Composition and Alter the Metabolic Functions in Wild Sable (<i>Martes zibellina</i>) Guts. <i>Animals</i> , 2021, 11, 865. | 2.3 | 9 |

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|----|--|------|-----------|
| 37 | Adsorption of BDE-209 to Polyethylene Microplastics: Effect of Microplastics Property and Metal Ions. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 2.4 | 9 |
| 38 | Purification, characterisation, and thermal denaturation of polyphenoloxidase from prawns (<i>Penaeus vannamei</i>). <i>International Journal of Food Properties</i> , 2017, 20, S3345-S3359. | 3.0 | 8 |
| 39 | Immune-mediated disease associated microbial community responded to PAH stress in phyllosphere of roadside greenspaces in Shanghai. <i>Environmental Pollution</i> , 2022, 292, 118379. | 7.5 | 8 |
| 40 | Karst rocky desertification diverged the soil residing and the active ectomycorrhizal fungal communities thereby fostering distinctive extramatrical mycelia. <i>Science of the Total Environment</i> , 2021, , 151016. | 8.0 | 7 |
| 41 | Simulation of Microbial Response to Accidental Diesel Spills in Basins Containing Brackish Sea Water and Sediment. <i>Frontiers in Microbiology</i> , 2020, 11, 593232. | 3.5 | 6 |
| 42 | Do Rural Second Homes Shape Commensal Microbiota of Urban Dwellers? A Pilot Study among Urban Elderly in Finland. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3742. | 2.6 | 6 |
| 43 | Vegetation type and age matter: How to optimize the provision of ecosystem services in urban parks. <i>Urban Forestry and Urban Greening</i> , 2021, 66, 127392. | 5.3 | 6 |
| 44 | Plasmodiophora brassicae “The causal agent of clubroot and its biological control/suppression with fungi” A review. <i>South African Journal of Botany</i> , 2022, 147, 325-331. | 2.5 | 6 |
| 45 | Effect of inactivated nature-derived microbial composition on mouse immune system. <i>Immunity, Inflammation and Disease</i> , 2022, 10, . | 2.7 | 6 |
| 46 | Bacterial Communities Are More Sensitive to Water Addition Than Fungal Communities Due to Higher Soil K and Na in a Degraded Karst Ecosystem of Southwestern China. <i>Frontiers in Microbiology</i> , 2020, 11, 562546. | 3.5 | 4 |
| 47 | Mutualistic fungus <i>Piriformospora indica</i> modulates cadmium phytoremediation properties of host plant via concerted action of enzymatic and non-enzymatic biochemicals. <i>Pedosphere</i> , 2022, 32, 256-267. | 4.0 | 4 |
| 48 | Changes in CH ₄ production during different stages of litter decomposition under inundation and N addition. <i>Journal of Soils and Sediments</i> , 2017, 17, 949-959. | 3.0 | 3 |
| 49 | Improved Short-Term Microbial Degradation in Circulating Water Reducing High Stagnant Atrazine Concentrations in Subsurface Sediments. <i>Water (Switzerland)</i> , 2020, 12, 2507. | 2.7 | 3 |
| 50 | Soil microbiota associated with immune-mediated disease was influenced by heavy metal stress in roadside soils of Shanghai. <i>Journal of Hazardous Materials</i> , 2022, 438, 129338. | 12.4 | 1 |