

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	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
2	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
3	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
4	<i>Plasmodiophora brassicae</i> —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
5	Effect of inactivated nature-derived microbial composition on mouse immune system. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	2.7	6
6	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
7	<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
8	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
9	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
10	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
11	Advances in fungal-assisted phytoremediation of heavy metals: A review. <i>Pedosphere</i> , 2021, 31, 475-495.	4.0	69
12	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
13	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
14	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
15	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
16	Long-term biodiversity intervention shapes health-associated commensal microbiota among urban day-care children. <i>Environment International</i> , 2021, 157, 106811.	10.0	36
17	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
18	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

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19	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
20	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
21	Biodiversity intervention enhances immune regulation and health-associated commensal microbiota among daycare children. <i>Science Advances</i> , 2020, 6, .	10.3	174
22	Diversity and versatile functions of metallothioneins produced by plants: A review. <i>Pedosphere</i> , 2020, 30, 577-588.	4.0	21
23	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
24	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
25	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
26	Yard vegetation is associated with gut microbiota composition. <i>Science of the Total Environment</i> , 2020, 713, 136707.	8.0	39
27	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
28	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
29	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
30	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
31	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
32	Diverse Environmental Microbiota as a Tool to Augment Biodiversity in Urban Landscaping Materials. <i>Frontiers in Microbiology</i> , 2019, 10, 536.	3.5	37
33	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
34	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
35	Nature-derived microbiota exposure as a novel immunomodulatory approach. <i>Future Microbiology</i> , 2018, 13, 737-744.	2.0	50
36	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

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37	Urbanization Reduces Transfer of Diverse Environmental Microbiota Indoors. <i>Frontiers in Microbiology</i> , 2018, 9, 84.	3.5	95
38	Half-lives of PAHs and temporal microbiota changes in commonly used urban landscaping materials. <i>PeerJ</i> , 2018, 6, e4508.	2.0	52
39	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
40	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
41	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
42	Urban parks provide ecosystem services by retaining metals and nutrients in soils. <i>Environmental Pollution</i> , 2017, 231, 451-461.	7.5	56
43	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
44	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
45	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
46	Bacterial community structure in atrazine treated reforested farmland in Wuying China. <i>Applied Soil Ecology</i> , 2016, 98, 39-46.	4.3	29
47	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
48	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
49	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
50	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