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Ecosystem Services Provided By Soil Microorganisms

DOI: 10.1007/978-3-319-63336-7_2
, 2017, , 9-24.

Source: <https://exaly.com/paper-pdf/66877737/citation-report.pdf>

Version: 2024-04-24

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#	Paper	IF	Citations
34	Nanotoxicity of engineered nanomaterials (ENMs) to environmentally relevant beneficial soil bacteria - a critical review. <i>Nanotoxicology</i> , 2019 , 13, 392-428	5.3	37
33	The Aromatic Plant Clary Sage Shaped Bacterial Communities in the Roots and in the Trace Element-Contaminated Soil More Than Mycorrhizal Inoculation - A Two-Year Monitoring Field Trial. <i>Frontiers in Microbiology</i> , 2020 , 11, 586050	5.7	9
32	Living with sulfonamides: a diverse range of mechanisms observed in bacteria. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 10389-10408	5.7	11
31	Environmental factors affect the response of microbial extracellular enzyme activity in soils when determined as a function of water availability and temperature. <i>Ecology and Evolution</i> , 2020 , 10, 10105-10115	2.8	7
30	Destruction of Cell Topography, Morphology, Membrane, Inhibition of Respiration, Biofilm Formation, and Bioactive Molecule Production by Nanoparticles of Ag, ZnO, CuO, TiO, and AlO toward Beneficial Soil Bacteria. <i>ACS Omega</i> , 2020 , 5, 7861-7876	3.9	32
29	The Current and Future Role of Microbial Culture Collections in Food Security Worldwide. <i>Frontiers in Sustainable Food Systems</i> , 2021 , 4,	4.8	9
28	Soil microbial properties of subalpine steppe soils at different grazing intensities in the Chinese Altai Mountains. <i>Scientific Reports</i> , 2021 , 11, 1653	4.9	1
27	Targeting the Active Rhizosphere Microbiome of in Grassland Evidences a Stronger-Than-Expected Belowground Biodiversity-Ecosystem Functioning Link. <i>Frontiers in Microbiology</i> , 2021 , 12, 629169	5.7	5
26	Microbiological Indicators of Heavy Metals and Carbon-Containing Preparations Applied to Agrosoddy-Podzolic Soils Differing in Humus Content. <i>Eurasian Soil Science</i> , 2021 , 54, 448-458	1.5	6
25	Will Phosphate Bio-Solubilization Stimulate Biological Nitrogen Fixation in Grain Legumes?. <i>Frontiers in Agronomy</i> , 2021 , 3,	4	2
24	Predicting the postmortem interval of burial cadavers based on microbial community succession. <i>Forensic Science International: Genetics</i> , 2021 , 52, 102488	4.3	5
23	Land use intensification destabilizes stream microbial biodiversity and decreases metabolic efficiency. <i>Science of the Total Environment</i> , 2021 , 767, 145440	10.2	2
22	Impact of repeated irrigation of lettuce cultures with municipal wastewater on soil bacterial community diversity and composition. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
21	Changes of soil bacterial and fungal community structure along a natural aridity gradient in desert grassland ecosystems, Inner Mongolia. <i>Catena</i> , 2021 , 205, 105470	5.8	2
20	Biogeochemical Cycles in Soil Microbiomes in Response to Climate Change. <i>Soil Biology</i> , 2021 , 491-519	1	0
19	Assessing Soil-like Materials for Ecosystem Services Provided by Constructed Technosols. <i>Land</i> , 2021 , 10, 1185	3.5	0
18	Microbial Indicators of Urban Soils and Their Role in the Assessment of Ecosystem Services: a Review. <i>Eurasian Soil Science</i> , 2021 , 54, 1517-1531	1.5	1

17	Nanopore-Based Metagenomic Analysis of the Impact of Nanoparticles on Soil Microbial Communities. <i>SSRN Electronic Journal</i> ,	1	
16	Bioremediation of Soil Ecosystems from Triazine Herbicides. <i>Handbook of Environmental Chemistry</i> , 2021 , 353-377	0.8	
15	Not all permafrost microbiomes are created equal: Influence of permafrost thaw on the soil microbiome in a laboratory incubation study. <i>Soil Biology and Biochemistry</i> , 2022 , 167, 108605	7.5	○
14	Data_Sheet_1.docx. 2020 ,		
13	Methane, Nitrous Oxide, and Ammonia Emissions on Dairy Farms in Spain with or without Bio-Activator Treatment. <i>Atmosphere</i> , 2022 , 13, 893	2.7	
12	Microbial community roles and chemical mechanisms in the parasitic development of <i>Orobanche cumana</i> .		○
11	Biogeographical Patterns of Patagonian Freshwater Microbiota. 2022 , 93-116		○
10	Variations in Soil Biological and Biochemical Indicators under Different Grazing Intensities and Seasonal Changes. 2022 , 11, 1537		○
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8	Ecosystem services provided by fungi in freshwaters: a wake-up call.		○
7	Plant growth-promoting rhizobacteria: a potential bio-asset for restoration of degraded soil and crop productivity with sustainable emerging techniques.	2	
6	Soil structure and microbiome functions in agroecosystems.	1	
5	Soil microbial biomass and bacterial diversity in southern European regions vulnerable to desertification. 2022 , 145, 109725		○
4	Substrate and low intensity fires influence bacterial communities in longleaf pine savanna. 2022 , 12,		○
3	EFFECT OF TIMING SLASHING, BURNING AND SOIL AMENDMENT ON SOIL MICROBES. 2023 , 6, 161-168		○
2	A comparative study on the impact of five <i>Desmodium</i> species on soil microbiome reveals enrichment of selected bacterial and fungal taxa.		○
1	Soil Biophilic Elements (N, P) and Microbial Activity in Forest Parks of Moscow and Suburban Forests. 2023 , 56, 87-100		○