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List of Publications by Year in descending order

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45
papers

752
citations

643344

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651938

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docs citations

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times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term effects of cover crops on soil properties and the abundance of N-cycling genes in citrus agroecosystems. <i>Applied Soil Ecology</i> , 2022, 172, 104341.	2.1	16
2	Impact of fumigants on non-target soil microorganisms: a review. <i>Journal of Hazardous Materials</i> , 2022, 427, 128149.	6.5	17
3	Physicochemical Variables Better Explain Changes in Microbial Community Structure and Abundance under Alternate Wetting and Drying Events. <i>Agriculture (Switzerland)</i> , 2022, 12, 762.	1.4	0
4	Cover crop composition drives changes in the abundance and diversity of nitrifiers and denitrifiers in citrus orchards with critical effects on N ₂ O emissions. <i>Geoderma</i> , 2022, 422, 115952.	2.3	7
5	Zinc-nitrogen co-fertilization influences N ₂ O emissions and microbial communities in an irrigated maize field. <i>Geoderma</i> , 2021, 383, 114735.	2.3	19
6	Relative contributions of bacteria and fungi to nitrous oxide emissions following nitrate application in soils representing different land uses. <i>International Biodeterioration and Biodegradation</i> , 2021, 159, 105199.	1.9	3
7	Influence of Cover Crops on Nitrogen Cycling and the Soil Microbial Community. , 2021, , 264-283.		2
8	Nitrogen Cycle in Agriculture: Biotic and Abiotic Factors Regulating Nitrogen Losses. , 2021, , 34-59.		4
9	Effect of plant biostimulants on root and plant health and the rhizosphere microbiome of citrus trees in huanglongbing-endemic conditions. <i>Trees - Structure and Function</i> , 2021, 35, 1525-1539.	0.9	16
10	Insights into the taxonomic and functional characterization of agricultural crop core rhizobiomes and their potential microbial drivers. <i>Scientific Reports</i> , 2021, 11, 10068.	1.6	15
11	Changes in the diversity and predicted functional composition of the bulk and rhizosphere soil bacterial microbiomes of tomato and common bean after inorganic N-fertilization. <i>Rhizosphere</i> , 2021, 18, 100362.	1.4	16
12	<i>Agrobacterium leguminum</i> sp. nov., isolated from nodules of <i>Phaseolus vulgaris</i> in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	9
13	Effect of nitrogen fertilisers on nitrous oxide emission, nitrifier and denitrifier abundance and bacterial diversity in closed ecological systems. <i>Applied Soil Ecology</i> , 2020, 145, 103380.	2.1	19
14	Biogas production and microbial community structure in a stable-stage of a two-stage anaerobic digester. <i>AIChE Journal</i> , 2020, 66, e16807.	1.8	9
15	Effect of nitrogen fertilisation on nitrous oxide emission and the abundance of microbial nitrifiers and denitrifiers in the bulk and rhizosphere soil of <i>Solanum lycopersicum</i> and <i>Phaseolus vulgaris</i> . <i>Plant and Soil</i> , 2020, 451, 107-120.	1.8	14
16	Effect of urease and nitrification inhibitors on ammonia volatilization and abundance of N-cycling genes in an agricultural soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 99-109.	1.1	32
17	Elucidating three-way interactions between soil, pasture and animals that regulate nitrous oxide emissions from temperate grazing systems. <i>Agriculture, Ecosystems and Environment</i> , 2020, 300, 106978.	2.5	18
18	Phylogenetic diversity of bacterial strains from root nodules of legumes grown wild in Egypt. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101692.	1.5	1

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19	Influence of operation parameters on the shaping of the denitrification communities in full-scale municipal sewage treatment plants. <i>Journal of Water Process Engineering</i> , 2020, 37, 101465.	2.6	3
20	Impact of Cover Crops on the Soil Microbiome of Tree Crops. <i>Microorganisms</i> , 2020, 8, 328.	1.6	39
21	Occurrence and ¹⁵ N-quantification of simultaneous nitrification and denitrification in N-fertilised soils incubated under oxygen-limiting conditions. <i>Soil Biology and Biochemistry</i> , 2020, 143, 107757.	4.2	17
22	Agronomical parameters of host and non-host legumes inoculated with <i>Melilotus indicus</i> -isolated rhizobial strains in desert unreclaimed soil. <i>Archives of Microbiology</i> , 2020, 202, 1929-1938.	1.0	0
23	PGPR Characterization of Non-Nodulating Bacterial Endophytes from Root Nodules of <i>Vigna unguiculata</i> (L.) Walp.. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 111-126.	0.2	6
24	Linking Ammonia Volatilization with Moisture Content and Abundance of Nitrification and Denitrification Genes in N-Fertilized Soils. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 29-43.	0.2	2
25	Abundance of total and metabolically active <i>Candidatus Microthrix</i> and fungal populations in three full-scale wastewater treatment plants. <i>Chemosphere</i> , 2019, 232, 26-34.	4.2	27
26	Residual effect of synthetic nitrogen fertilizers and impact on Soil Nitrifiers. <i>European Journal of Agronomy</i> , 2019, 109, 125917.	1.9	14
27	Phylogenetic diversity of <i>Bradyrhizobium</i> strains isolated from root nodules of <i>Lupinus angustifolius</i> grown wild in the North East of Algeria. <i>Systematic and Applied Microbiology</i> , 2019, 42, 397-402.	1.2	12
28	Analysis of the denitrification pathway and greenhouse gases emissions in <i>Bradyrhizobium</i> sp. strains used as biofertilizers in South America. <i>Journal of Applied Microbiology</i> , 2019, 127, 739-749.	1.4	27
29	Improved isotopic model based on ¹⁵ N tracing and Rayleigh-type isotope fractionation for simulating differential sources of N ₂ O emissions in a clay grassland soil. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 449-460.	0.7	3
30	Utilization of Endophytic Bacteria Isolated from Legume Root Nodules for Plant Growth Promotion. <i>Sustainable Development and Biodiversity</i> , 2019, , 145-176.	1.4	5
31	Linking nitrous oxide emissions to population dynamics of nitrifying and denitrifying prokaryotes in four full-scale wastewater treatment plants. <i>Chemosphere</i> , 2018, 200, 57-66.	4.2	25
32	Effects of salinity on the nitrogen removal efficiency and bacterial community structure in fixed-bed biofilm CANON bioreactors. <i>Chemical Engineering Journal</i> , 2018, 347, 156-164.	6.6	46
33	Zinc fertilizers influence greenhouse gas emissions and nitrifying and denitrifying communities in a non-irrigated arable cropland. <i>Geoderma</i> , 2018, 325, 208-217.	2.3	16
34	Purple corn-associated rhizobacteria with potential for plant growth promotion. <i>Journal of Applied Microbiology</i> , 2018, 124, 1254-1264.	1.4	14
35	New concepts in anaerobic digestion processes: recent advances and biological aspects. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5065-5076.	1.7	75
36	Quantitative and qualitative studies of microorganisms involved in full-scale autotrophic nitrogen removal performance. <i>AIChE Journal</i> , 2018, 64, 457-467.	1.8	9

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37	Distinct effect of nitrogen fertilisation and soil depth on nitrous oxide emissions and nitrifiers and denitrifiers abundance. <i>Biology and Fertility of Soils</i> , 2018, 54, 829-840.	2.3	39
38	Evolution of bacterial diversity during two-phase olive mill waste (â€œalperujoâ€) composting by 16S rRNA gene pyrosequencing. <i>Bioresource Technology</i> , 2017, 224, 101-111.	4.8	66
39	Denitrification and Biodiversity of Denitrifiers in a High-Mountain Mediterranean Lake. <i>Frontiers in Microbiology</i> , 2017, 8, 1911.	1.5	23
40	Methods for evaluating plant growth-promoting rhizobacteria traits.. , 2017, , 255-274.		11
41	Isolation of N ₂ -fixing rhizobacteria from <i>Lolium perenne</i> and evaluating their plant growth promoting traits. <i>Journal of Basic Microbiology</i> , 2016, 56, 85-91.	1.8	15
42	Symbiotic and Agronomic Characterization of Bradyrhizobial Strains Nodulating Cowpea in Northern Peru. , 2016, , 195-212.		3
43	The diversity of rhizobia nodulating the <i>Medicago</i> , <i>Melilotus</i> and <i>Trigonella</i> inoculation group in Egypt is marked by the dominance of two genetic types. <i>Symbiosis</i> , 2015, 67, 3-10.	1.2	11
44	Phenotypic and genetic characterization of rhizobia isolated from <i>Hedysarum flexuosum</i> in Northwest region of Morocco. <i>Journal of Basic Microbiology</i> , 2015, 55, 830-837.	1.8	10
45	Effect of Heavy Metals on the Growth of Bacteria Isolated from Sewage Sludge Compost Tea. <i>Advances in Microbiology</i> , 2014, 04, 644-655.	0.3	17