

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50 papers	7,986 citations	24 h-index	61 g-index
61 ext. papers	10,197 ext. citations	9.3 avg, IF	5.76 L-index

#	Paper	IF	Citations
50	Succession of microbial consortia in the developing infant gut microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 1, 4578-85	11.5	1674
49	Host remodeling of the gut microbiome and metabolic changes during pregnancy. <i>Cell</i> , 2012 , 150, 470-80	36.2	1117
48	Diversity and heritability of the maize rhizosphere microbiome under field conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6548-53	11.5	1067
47	Unravelling the effects of the environment and host genotype on the gut microbiome. <i>Nature Reviews Microbiology</i> , 2011 , 9, 279-90	22.2	973
46	Human oral, gut, and plaque microbiota in patients with atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 1, 4592-8	11.5	679
45	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIXS) specifications. <i>Nature Biotechnology</i> , 2011 , 29, 415-20	44.5	445
44	Loss in microbial diversity affects nitrogen cycling in soil. <i>ISME Journal</i> , 2013 , 7, 1609-19	11.9	404
43	Responses of gut microbiota to diet composition and weight loss in lean and obese mice. <i>Obesity</i> , 2012 , 20, 738-47	8	287
42	Recently identified microbial guild mediates soil N ₂ O sink capacity. <i>Nature Climate Change</i> , 2014 , 4, 801-804	30.4	245
41	N ₂ O production, a widespread trait in fungi. <i>Scientific Reports</i> , 2015 , 5, 9697	4.9	123
40	Shifts in microbial diversity through land use intensity as drivers of carbon mineralization in soil. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 204-213	7.5	104
39	Effectiveness of ecological rescue for altered soil microbial communities and functions. <i>ISME Journal</i> , 2017 , 11, 272-283	11.9	86
38	The diversity of the N ₂ O reducers matters for the N ₂ O:N ₂ denitrification end-product ratio across an annual and a perennial cropping system. <i>Frontiers in Microbiology</i> , 2015 , 6, 971	5.7	76
37	Biotic and abiotic soil properties influence survival of <i>Listeria monocytogenes</i> in soil. <i>PLoS ONE</i> , 2013 , 8, e75969	3.7	72
36	Non-denitrifying nitrous oxide-reducing bacteria - An effective N ₂ O sink in soil. <i>Soil Biology and Biochemistry</i> , 2016 , 103, 376-379	7.5	61
35	Peaks of in situ N ₂ O emissions are influenced by N ₂ O-producing and reducing microbial communities across arable soils. <i>Global Change Biology</i> , 2018 , 24, 360-370	11.4	59
34	Depth matters: effects of precipitation regime on soil microbial activity upon rewetting of a plant-soil system. <i>ISME Journal</i> , 2018 , 12, 1061-1071	11.9	53

33	The Transplantation of β PUFA-Altered Gut Microbiota of fat-1 Mice to Wild-Type Littermates Prevents Obesity and Associated Metabolic Disorders. <i>Diabetes</i> , 2018 , 67, 1512-1523	0.9	45
32	Phenotypic and genotypic convergences are influenced by historical contingency and environment in yeast. <i>Evolution; International Journal of Organic Evolution</i> , 2014 , 68, 772-790	3.8	39
31	Niche-driven evolution of metabolic and life-history strategies in natural and domesticated populations of <i>Saccharomyces cerevisiae</i> . <i>BMC Evolutionary Biology</i> , 2009 , 9, 296	3	38
30	Cover Crop Management Practices Rather Than Composition of Cover Crop Mixtures Affect Bacterial Communities in No-Till Agroecosystems. <i>Frontiers in Microbiology</i> , 2019 , 10, 1618	5.7	37
29	Crop cover is more important than rotational diversity for soil multifunctionality and cereal yields in European cropping systems. <i>Nature Food</i> , 2021 , 2, 28-37	14.4	30
28	"Ant" and "grasshopper" life-history strategies in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2008 , 3, e1579	3.7	26
27	Lab to Field Assessment of the Ecotoxicological Impact of Chlorpyrifos, Isoproturon, or Tebuconazole on the Diversity and Composition of the Soil Bacterial Community. <i>Frontiers in Microbiology</i> , 2018 , 9, 1412	5.7	25
26	Distribution of bacteria and nitrogen-cycling microbial communities along constructed Technosol depth-profiles. <i>Journal of Hazardous Materials</i> , 2012 , 231-232, 88-97	12.8	23
25	Rubber plantation ageing controls soil biodiversity after land conversion from cassava. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 257, 92-102	5.7	21
24	Impact of phages on soil bacterial communities and nitrogen availability under different assembly scenarios. <i>Microbiome</i> , 2020 , 8, 52	16.6	20
23	Assessment of the ecotoxicological impact of natural and synthetic β -keto herbicides on the diversity and activity of the soil bacterial community using omic approaches. <i>Science of the Total Environment</i> , 2019 , 651, 241-249	10.2	15
22	Mapping field spatial distribution patterns of isoproturon-mineralizing activity over a three-year winter wheat/rape seed/barley rotation. <i>Chemosphere</i> , 2013 , 90, 2499-511	8.4	14
21	Effect of the Reproduction Method in an Artificial Selection Experiment at the Community Level. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	14
20	Domestication-driven changes in plant traits associated with changes in the assembly of the rhizosphere microbiota in tetraploid wheat. <i>Scientific Reports</i> , 2020 , 10, 12234	4.9	13
19	Switch between life history strategies due to changes in glycolytic enzyme gene dosage in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2011 , 77, 452-9	4.8	12
18	Hierarchical Bayesian Modelling for <i>Saccharomyces cerevisiae</i> population dynamics. <i>International Journal of Food Microbiology</i> , 2010 , 142, 25-35	5.8	11
17	Labour sharing promotes coexistence in atrazine degrading bacterial communities. <i>Scientific Reports</i> , 2019 , 9, 18363	4.9	11
16	A core microbiota of the plant-earthworm interaction conserved across soils. <i>Soil Biology and Biochemistry</i> , 2020 , 144, 107754	7.5	10

15	Unraveling negative biotic interactions determining soil microbial community assembly and functioning. <i>ISME Journal</i> , 2021 ,	11.9	9
14	Habitat Disturbances Modulate the Barrier Effect of Resident Soil Microbiota on Invasion Success. <i>Frontiers in Microbiology</i> , 2020 , 11, 927	5.7	8
13	Streptomyces strains modulate dynamics of soil bacterial communities and their efficacy in disease suppression caused by <i>Phytophthora capsici</i> . <i>Scientific Reports</i> , 2021 , 11, 9317	4.9	8
12	Compounded Disturbance Chronology Modulates the Resilience of Soil Microbial Communities and N-Cycle Related Functions. <i>Frontiers in Microbiology</i> , 2018 , 9, 2721	5.7	8
11	Potential of preventive bioremediation to reduce environmental contamination by pesticides in an agricultural context: A case study with the herbicide 2,4-D. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125740	12.8	5
10	Antibiotrophy: Key Function for Antibiotic-Resistant Bacteria to Colonize Soils-Case of Sulfamethazine-Degrading sp. C448. <i>Frontiers in Microbiology</i> , 2021 , 12, 643087	5.7	4
9	Draft Genome Sequence of <i>Pseudomonas</i> sp. Strain ADP, a Bacterial Model for Studying the Degradation of the Herbicide Atrazine. <i>Genome Announcements</i> , 2016 , 4,		3
8	Soil microbes drive the effect of plant species and genotypic diversity interaction on productivity.. <i>Plant and Soil</i> , 2021 , 467, 165	4.2	3
7	Design of a degenerate primer pair to target a bacterial functional community: The hppd bacterial gene coding for the enzyme targeted by herbicides, a study case. <i>Journal of Microbiological Methods</i> , 2020 , 170, 105839	2.8	2
6	Assessment of the resilience and resistance of remediated soils using denitrification as model process. <i>Journal of Soils and Sediments</i> , 2014 , 14, 178-182	3.4	2
5	Complete Genome Sequences of Four Atrazine-Degrading Bacterial Strains, sp. Strain ADPe, sp. Strain TES, sp. Strain 38R, and sp. Strain SR38. <i>Microbiology Resource Announcements</i> , 2021 , 10,	1.3	2
4	Land-use intensification differentially affects bacterial, fungal and protist communities and decreases microbiome network complexity.. <i>Environmental Microbiomes</i> , 2022 , 17, 1	5.6	0
3	Artificial selection of stable rhizosphere microbiota leads to heritable plant phenotype changes. <i>Ecology Letters</i> , 2022 , 25, 189-201	10	0
2	Assessing the Effects of Triketone Herbicides on the Soil Bacterial and Communities: A Lab-to-Field Experiment. <i>Frontiers in Microbiology</i> , 2020 , 11, 610298	5.7	0
1	Impact of repeated irrigation of lettuce cultures with municipal wastewater on the diversity and composition of root-associated arbuscular mycorrhizal fungi. <i>Biology and Fertility of Soils</i> , 1	6.1	