Aym Spor

List of Publications by Year in Descending Order

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	Land-use intensification differentially affects bacterial, fungal and protist communities and decreases microbiome network complexity.. *Environmental Microbiomes*, **2022**, 17, 1	5.6	0
49	Artificial selection of stable rhizosphere microbiota leads to heritable plant phenotype changes. *Ecology Letters*, **2022**, 25, 189-201	10	0
48	Antibiotrophy: Key Function for Antibiotic-Resistant Bacteria to Colonize Soils-Case of Sulfamethazine-Degrading sp. C448. *Frontiers in Microbiology*, **2021**, 12, 643087	5.7	4
47	Streptomyces strains modulate dynamics of soil bacterial communities and their efficacy in disease suppression caused by Phytophthora capsici. *Scientific Reports*, **2021**, 11, 9317	4.9	8
46	Unraveling negative biotic interactions determining soil microbial community assembly and functioning. *ISME Journal*, **2021**,	11.9	9
45	Soil microbes drive the effect of plant species and genotypic diversity interaction on productivity.. *Plant and Soil*, **2021**, 467, 165	4.2	3
44	Potential of preventive bioremediation to reduce environmental contamination by pesticides in an agricultural context: A case study with the herbicide 2,4-D. *Journal of Hazardous Materials*, **2021**, 416, 125740	12.8	5
43	Complete Genome Sequences of Four Atrazine-Degrading Bacterial Strains, sp. Strain ADPe, sp. Strain TES, sp. Strain 38R, and sp. Strain SR38. *Microbiology Resource Announcements*, **2021**, 10,	1.3	2
42	Crop cover is more important than rotational diversity for soil multifunctionality and cereal yields in European cropping systems. *Nature Food*, **2021**, 2, 28-37	14.4	30
41	Habitat Disturbances Modulate the Barrier Effect of Resident Soil Microbiota on Invasion Success. *Frontiers in Microbiology*, **2020**, 11, 927	5.7	8
40	A core microbiota of the plant-earthworm interaction conserved across soils. *Soil Biology and Biochemistry*, **2020**, 144, 107754	7.5	10
39	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. *Journal of Microbiological Methods*, **2020**, 170, 105839	2.8	2
38	Domestication-driven changes in plant traits associated with changes in the assembly of the rhizosphere microbiota in tetraploid wheat. *Scientific Reports*, **2020**, 10, 12234	4.9	13
37	Impact of phages on soil bacterial communities and nitrogen availability under different assembly scenarios. *Microbiome*, **2020**, 8, 52	16.6	20
36	Assessing the Effects of Triketone Herbicides on the Soil Bacterial and Communities: A Lab-to-Field Experiment. *Frontiers in Microbiology*, **2020**, 11, 610298	5.7	0
35	Cover Crop Management Practices Rather Than Composition of Cover Crop Mixtures Affect Bacterial Communities in No-Till Agroecosystems. *Frontiers in Microbiology*, **2019**, 10, 1618	5.7	37
34	Effect of the Reproduction Method in an Artificial Selection Experiment at the Community Level. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	14

33	Labour sharing promotes coexistence in atrazine degrading bacterial communities. *Scientific Reports*, **2019**, 9, 18363	4.9	11
32	Assessment of the ecotoxicological impact of natural and synthetic triketone herbicides on the diversity and activity of the soil bacterial community using omic approaches. *Science of the Total Environment*, **2019**, 651, 241-249	10.2	15
31	Rubber plantation ageing controls soil biodiversity after land conversion from cassava. *Agriculture, Ecosystems and Environment*, **2018**, 257, 92-102	5.7	21
30	Depth matters: effects of precipitation regime on soil microbial activity upon rewetting of a plant-soil system. *ISME Journal*, **2018**, 12, 1061-1071	11.9	53
29	Peaks of in situ N O emissions are influenced by N O-producing and reducing microbial communities across arable soils. *Global Change Biology*, **2018**, 24, 360-370	11.4	59
28	Lab to Field Assessment of the Ecotoxicological Impact of Chlorpyrifos, Isoproturon, or Tebuconazole on the Diversity and Composition of the Soil Bacterial Community. *Frontiers in Microbiology*, **2018**, 9, 1412	5.7	25
27	Compounded Disturbance Chronology Modulates the Resilience of Soil Microbial Communities and N-Cycle Related Functions. *Frontiers in Microbiology*, **2018**, 9, 2721	5.7	8
26	The Transplantation of PUFA-Altered Gut Microbiota of fat-1 Mice to Wild-Type Littermates Prevents Obesity and Associated Metabolic Disorders. *Diabetes*, **2018**, 67, 1512-1523	0.9	45
25	Effectiveness of ecological rescue for altered soil microbial communities and functions. *ISME Journal*, **2017**, 11, 272-283	11.9	86
24	Draft Genome Sequence of Pseudomonas sp. Strain ADP, a Bacterial Model for Studying the Degradation of the Herbicide Atrazine. *Genome Announcements*, **2016**, 4,		3
23	Non-denitrifying nitrous oxide-reducing bacteria - An effective N2O sink in soil. *Soil Biology and Biochemistry*, **2016**, 103, 376-379	7.5	61
22	N2O production, a widespread trait in fungi. *Scientific Reports*, **2015**, 5, 9697	4.9	123
21	Shifts in microbial diversity through land use intensity as drivers of carbon mineralization in soil. *Soil Biology and Biochemistry*, **2015**, 90, 204-213	7.5	104
20	The diversity of the N2O reducers matters for the N2O:N2 denitrification end-product ratio across an annual and a perennial cropping system. *Frontiers in Microbiology*, **2015**, 6, 971	5.7	76
19	Assessment of the resilience and resistance of remediated soils using denitrification as model process. *Journal of Soils and Sediments*, **2014**, 14, 178-182	3.4	2
18	Phenotypic and genotypic convergences are influenced by historical contingency and environment in yeast. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 772-790	3.8	39
17	Recently identified microbial guild mediates soil N2O sink capacity. *Nature Climate Change*, **2014**, 4, 801-805	21.4	245
16	Diversity and heritability of the maize rhizosphere microbiome under field conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6548-53	11.5	1067

15	Mapping field spatial distribution patterns of isoproturon-mineralizing activity over a three-year winter wheat/rape seed/barley rotation. *Chemosphere*, **2013**, 90, 2499-511	8.4	14
14	Loss in microbial diversity affects nitrogen cycling in soil. *ISME Journal*, **2013**, 7, 1609-19	11.9	404
13	Biotic and abiotic soil properties influence survival of Listeria monocytogenes in soil. *PLoS ONE*, **2013**, 8, e75969	3.7	72
12	Host remodeling of the gut microbiome and metabolic changes during pregnancy. *Cell*, **2012**, 150, 470-80	36.2	1117
11	Distribution of bacteria and nitrogen-cycling microbial communities along constructed Technosol depth-profiles. *Journal of Hazardous Materials*, **2012**, 231-232, 88-97	12.8	23
10	Responses of gut microbiota to diet composition and weight loss in lean and obese mice. *Obesity*, **2012**, 20, 738-47	8	287
9	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. *Nature Biotechnology*, **2011**, 29, 415-20	44.5	445
8	Unravelling the effects of the environment and host genotype on the gut microbiome. *Nature Reviews Microbiology*, **2011**, 9, 279-90	22.2	973
7	Human oral, gut, and plaque microbiota in patients with atherosclerosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108 Suppl 1, 4592-8	11.5	679
6	Succession of microbial consortia in the developing infant gut microbiome. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108 Suppl 1, 4578-85	11.5	1674
5	Switch between life history strategies due to changes in glycolytic enzyme gene dosage in Saccharomyces cerevisiae. *Applied and Environmental Microbiology*, **2011**, 77, 452-9	4.8	12
4	Hierarchical Bayesian Modelling for Saccharomyces cerevisiae population dynamics. *International Journal of Food Microbiology*, **2010**, 142, 25-35	5.8	11
3	Niche-driven evolution of metabolic and life-history strategies in natural and domesticated populations of Saccharomyces cerevisiae. *BMC Evolutionary Biology*, **2009**, 9, 296	3	38
2	"Ant" and "grasshopper" life-history strategies in Saccharomyces cerevisiae. *PLoS ONE*, **2008**, 3, e1579	3.7	26
1	Impact of repeated irrigation of lettuce cultures with municipal wastewater on the diversity and composition of root-associated arbuscular mycorrhizal fungi. *Biology and Fertility of Soils*,1	6.1	