

Ashley Shade

List of Publications by Year in Descending Order

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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.

78
papers

6,365
citations

33
h-index

79
g-index

104
ext. papers

8,850
ext. citations

7.8
avg, IF

6.39
L-index

#	Paper	IF	Citations
78	Abiotic Treatment to Common Bean Plants Results in an Altered Endophytic Seed Microbiome.. <i>Microbiology Spectrum</i> , 2022 , e0021021	8.9	2
77	Microbial metabolites in the marine carbon cycle.. <i>Nature Microbiology</i> , 2022 , 7, 508-523	26.6	2
76	Comparing gut resistome composition among patients with acute <i>Campylobacter</i> infections and healthy family members. <i>Scientific Reports</i> , 2021 , 11, 22368	4.9	0
75	Toward a Generalizable Framework of Disturbance Ecology Through Crowdsourced Science. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	11
74	Persistent microbiome members in the common bean rhizosphere: an integrated analysis of space, time, and plant genotype. <i>ISME Journal</i> , 2021 , 15, 2708-2722	11.9	20
73	Resource Competition and Host Feedbacks Underlie Regime Shifts in Gut Microbiota. <i>American Naturalist</i> , 2021 , 198, 1-12	3.7	3
72	Seasonal Dynamics of Core Fungi in the Switchgrass Phyllosphere, and Co-Occurrence with Leaf Bacteria. <i>Phytobiomes Journal</i> , 2021 , 5, 60-68	4.8	7
71	Managing Plant Microbiomes for Sustainable Biofuel Production. <i>Phytobiomes Journal</i> , 2021 , 5, 3-13	4.8	1
70	Exometabolite Dynamics over Stationary Phase Reveal Strain-Specific Responses. <i>MSystems</i> , 2020 , 5,	7.6	1
69	Locally Adapted <i>Mimulus</i> Ecotypes Differentially Impact Rhizosphere Bacterial and Archaeal Communities in an Environment-Dependent Manner. <i>Phytobiomes Journal</i> , 2020 , 4, 53-63	4.8	3
68	Temporal dynamics of bacterial communities during seed development and maturation. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	14
67	Biogeography and Diversity of Multi-Trophic Root Zone Microbiomes in Michigan Apple Orchards: Analysis of Rootstock, Scion, and Local Growing Region. <i>Phytobiomes Journal</i> , 2020 , 4, 122-132	4.8	3
66	Broadening Participation in Scientific Conferences during the Era of Social Distancing. <i>Trends in Microbiology</i> , 2020 , 28, 949-952	12.4	10
65	Dormancy dynamics and dispersal contribute to soil microbiome resilience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190255	5.8	15
64	Assembly and seasonality of core phyllosphere microbiota on perennial biofuel crops. <i>Nature Communications</i> , 2019 , 10, 4135	17.4	91
63	Trait-based community assembly and succession of the infant gut microbiome. <i>Nature Communications</i> , 2019 , 10, 512	17.4	46
62	A global survey of arsenic-related genes in soil microbiomes. <i>BMC Biology</i> , 2019 , 17, 45	7.3	26

61	RefSoil+: a Reference Database for Genes and Traits of Soil Plasmids. <i>MSystems</i> , 2019 , 4,	7.6	8
60	Manipulating Wild and Tamed Phytobiomes: Challenges and Opportunities. <i>Phytobiomes Journal</i> , 2019 , 3, 3-21	4.8	19
59	16S rRNA/rRNA Gene Ratios and Cell Activity Staining Reveal Consistent Patterns of Microbial Activity in Plant-Associated Soil. <i>MSystems</i> , 2019 , 4,	7.6	20
58	Abundance-occupancy distributions to prioritize plant core microbiome membership. <i>Current Opinion in Microbiology</i> , 2019 , 49, 50-58	7.9	49
57	Strategies for Building Computing Skills To Support Microbiome Analysis: a Five-Year Perspective from the EDAMAME Workshop. <i>MSystems</i> , 2019 , 4,	7.6	7
56	Ecological selection for small microbial genomes along a temperate-to-thermal soil gradient. <i>Nature Microbiology</i> , 2019 , 4, 55-61	26.6	24
55	Understanding Microbiome Stability in a Changing World. <i>MSystems</i> , 2018 , 3,	7.6	6
54	Community structure explains antibiotic resistance gene dynamics over a temperature gradient in soil. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	25
53	A town on fire! Integrating 16S rRNA gene amplicon analyses into an undergraduate microbiology lecture class. <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	3
52	Assembly of seed-associated microbial communities within and across successive plant generations. <i>Plant and Soil</i> , 2018 , 422, 67-79	4.2	50
51	Taxonomically-linked growth phenotypes during arsenic stress among arsenic resistant bacteria isolated from soils overlying the Centralia coal seam fire. <i>PLoS ONE</i> , 2018 , 13, e0191893	3.7	14
50	Macroecology to Unite All Life, Large and Small. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 731-744	10.9	67
49	Trait-based patterns of microbial dynamics in dormancy potential and heterotrophic strategy: case studies of resource-based and post-fire succession. <i>ISME Journal</i> , 2018 , 12, 2575-2581	11.9	24
48	Divergent extremes but convergent recovery of bacterial and archaeal soil communities to an ongoing subterranean coal mine fire. <i>ISME Journal</i> , 2017 , 11, 1447-1459	11.9	58
47	Ecological patterns of seed microbiome diversity, transmission, and assembly. <i>Current Opinion in Microbiology</i> , 2017 , 37, 15-22	7.9	151
46	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076
45	A Synthetic Community System for Probing Microbial Interactions Driven by Exometabolites. <i>MSystems</i> , 2017 , 2,	7.6	29
44	Bacterial Community Composition and Dynamics Spanning Five Years in Freshwater Bog Lakes. <i>MSphere</i> , 2017 , 2,	5	36

43	Diversity is the question, not the answer. <i>ISME Journal</i> , 2017 , 11, 1-6	11.9	232
42	Genome-wide selective sweeps and gene-specific sweeps in natural bacterial populations. <i>ISME Journal</i> , 2016 , 10, 1589-601	11.9	146
41	Lifestyles of rarity: understanding heterotrophic strategies to inform the ecology of the microbial rare biosphere. <i>Aquatic Microbial Ecology</i> , 2016 , 78, 51-63	1.1	24
40	Effects of Short-Term Warming and Altered Precipitation on Soil Microbial Communities in Alpine Grassland of the Tibetan Plateau. <i>Frontiers in Microbiology</i> , 2016 , 7, 1032	5.7	50
39	Computing Workflows for Biologists: A Roadmap. <i>PLoS Biology</i> , 2015 , 13, e1002303	9.7	20
38	Temporal patterns of rarity provide a more complete view of microbial diversity. <i>Trends in Microbiology</i> , 2015 , 23, 335-40	12.4	78
37	When, where and how does microbial community composition matter?. <i>Frontiers in Microbiology</i> , 2014 , 5, 497	5.7	33
36	The microbial ecology of flowers: an emerging frontier in phyllosphere research. <i>Botany</i> , 2014 , 92, 253-266		120
35	Conditionally rare taxa disproportionately contribute to temporal changes in microbial diversity. <i>MBio</i> , 2014 , 5, e01371-14	7.8	359
34	A meta-analysis of changes in bacterial and archaeal communities with time. <i>ISME Journal</i> , 2013 , 7, 1493-506	11.9	236
33	Lineage-specific responses of microbial communities to environmental change. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 39-47	4.8	17
32	Unexpected diversity during community succession in the apple flower microbiome. <i>MBio</i> , 2013 , 4,	7.8	157
31	Streptomycin application has no detectable effect on bacterial community structure in apple orchard soil. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6617-25	4.8	27
30	The under-ice microbiome of seasonally frozen lakes. <i>Limnology and Oceanography</i> , 2013 , 58, 1998-2012	4.8	112
29	Controls on soil microbial community stability under climate change. <i>Frontiers in Microbiology</i> , 2013 , 4, 265	5.7	227
28	Culturing captures members of the soil rare biosphere. <i>Environmental Microbiology</i> , 2012 , 14, 2247-52	5.2	140
27	Characterizing microbial communities through space and time. <i>Current Opinion in Biotechnology</i> , 2012 , 23, 431-6	11.4	73
26	Beyond the Venn diagram: the hunt for a core microbiome. <i>Environmental Microbiology</i> , 2012 , 14, 4-12	5.2	581

25	Lake microbial communities are resilient after a whole-ecosystem disturbance. <i>ISME Journal</i> , 2012 , 6, 2153-67	11.9	143
24	Fundamentals of microbial community resistance and resilience. <i>Frontiers in Microbiology</i> , 2012 , 3, 417	5.7	759
23	Gradual Entrainment Lake Inverter (GELI): A novel device for experimental lake mixing. <i>Limnology and Oceanography: Methods</i> , 2011 , 9, 14-28	2.6	6
22	Resistance, resilience and recovery: aquatic bacterial dynamics after water column disturbance. <i>Environmental Microbiology</i> , 2011 , 13, 2752-67	5.2	96
21	Our microbial selves: what ecology can teach us. <i>EMBO Reports</i> , 2011 , 12, 775-84	6.5	65
20	Differential bacterial dynamics promote emergent community robustness to lake mixing: an epilimnion to hypolimnion transplant experiment. <i>Environmental Microbiology</i> , 2010 , 12, 455-66	5.2	40
19	Meeting report: the terabase metagenomics workshop and the vision of an Earth microbiome project. <i>Standards in Genomic Sciences</i> , 2010 , 3, 243-8		187
18	Seasonal and episodic lake mixing stimulate differential planktonic bacterial dynamics. <i>Microbial Ecology</i> , 2010 , 59, 546-54	4.4	28
17	Temporal dynamics of South End tidal creek (Sapelo Island, Georgia) bacterial communities. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 1058-64	4.8	10
16	Can the black box be cracked? The augmentation of microbial ecology by high-resolution, automated sensing technologies. <i>ISME Journal</i> , 2009 , 3, 881-8	11.9	29
15	The influence of habitat heterogeneity on freshwater bacterial community composition and dynamics. <i>Environmental Microbiology</i> , 2008 , 10, 1057-67	5.2	96
14	Typhoons initiate predictable change in aquatic bacterial communities. <i>Limnology and Oceanography</i> , 2008 , 53, 1319-1326	4.8	56
13	Interannual dynamics and phenology of bacterial communities in a eutrophic lake. <i>Limnology and Oceanography</i> , 2007 , 52, 487-494	4.8	128
12	Comparison of primer sets for use in automated ribosomal intergenic spacer analysis of aquatic bacterial communities: an ecological perspective. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 659-62	4.8	55
11	Bridging the gap between micro - and macro-scale perspectives on the role of microbial communities in global change ecology. <i>Plant and Soil</i> , 2006 , 289, 59-70	4.2	72
10	NITROGEN CHANGES AND DOMAIN BACTERIA RIBOTYPE DIVERSITY IN SOILS OVERLYING THE CENTRALIA, PENNSYLVANIA UNDERGROUND COAL MINE FIRE. <i>Soil Science</i> , 2005 , 170, 191-201	0.9	16
9	Exometabolite dynamics over stationary phase reveal strain-specific responses to nutrient limitation		1
8	Bacterial community composition and dynamics spanning five years in freshwater bog lakes		1

7	Abiotic treatment to common bean plants results in an altered seed microbiome	1
6	A global survey of arsenic related genes in soil microbiomes	1
5	Assembly and seasonality of core phyllosphere microbiota on perennial biofuel crops	3
4	Prioritizing persistent microbiome members in the common bean rhizosphere: an integrated analysis of space, time, and plant genotype	2
3	Endophytic microbiome variation at the level of a single plant seed	1
2	Multi-omics profiling of Earth's biomes reveals that microbial and metabolite composition are shaped by the environment	3
1	Endophytic microbiome variation among single plant seeds. <i>Phytobiomes Journal</i> ,	4.8 1