

Noah Fierer

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.

267
papers

90,491
citations

108
h-index

290
g-index

290
ext. papers

115,358
ext. citations

8.9
avg, IF

8.3
L-index

#	Paper	IF	Citations
267	Elevational Constraints on the Composition and Genomic Attributes of Microbial Communities in Antarctic Soils. <i>MSystems</i> , 2022 , e0133021	7.6	1
266	Identification of the rhizosphere microbes that actively consume plant-derived carbon. <i>Soil Biology and Biochemistry</i> , 2022 , 166, 108577	7.5	0
265	Global Patterns and Climatic Controls of Dust-Associated Microbial Communities. <i>Microbiology Spectrum</i> , 2021 , 9, e0144721	8.9	2
264	Structure and Functional Attributes of Bacterial Communities in Premise Plumbing Across the United States. <i>Environmental Science & Technology</i> , 2021 , 55, 14105-14114	10.3	3
263	Variable influences of soil and seed-associated bacterial communities on the assembly of seedling microbiomes. <i>ISME Journal</i> , 2021 , 15, 2748-2762	11.9	7
262	Geochemical zones and environmental gradients for soils from the central Transantarctic Mountains, Antarctica. <i>Biogeosciences</i> , 2021 , 18, 1629-1644	4.6	4
261	Nitrogen and phosphorus fertilization consistently favor pathogenic over mutualistic fungi in grassland soils. <i>Nature Communications</i> , 2021 , 12, 3484	17.4	20
260	Exploring the Boundaries of Microbial Habitability in Soil. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006052	3.7	5
259	Structure of Chimpanzee Gut Microbiomes across Tropical Africa. <i>MSystems</i> , 2021 , 6, e0126920	7.6	1
258	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. <i>Science Advances</i> , 2021 , 7,	14.3	10
257	Consistent declines in aquatic biodiversity across diverse domains of life in rivers impacted by surface coal mining. <i>Ecological Applications</i> , 2021 , 31, e02389	4.9	2
256	Host Identity as a Driver of Moss-Associated N ₂ Fixation Rates in Alaska. <i>Ecosystems</i> , 2021 , 24, 530-547	3.9	11
255	How microbes can, and cannot, be used to assess soil health. <i>Soil Biology and Biochemistry</i> , 2021 , 153, 108111	7.5	55
254	Comparing the effects of two different strains of mycobacteria, <i>Mycobacterium vaccae</i> NCTC 11659 and <i>M. vaccae</i> ATCC 15483, on stress-resilient behaviors and lipid-immune signaling in rats. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 212-229	16.6	6
253	Antarctic Water Tracks: Microbial Community Responses to Variation in Soil Moisture, pH, and Salinity. <i>Frontiers in Microbiology</i> , 2021 , 12, 616730	5.7	4
252	The bacterial communities of Alaskan mosses and their contributions to N-fixation. <i>Microbiome</i> , 2021 , 9, 53	16.6	11
251	Aerobic bacteria and archaea tend to have larger and more versatile genomes. <i>Oikos</i> , 2021 , 130, 501-514		6

250	The diversity and function of sourdough starter microbiomes. <i>ELife</i> , 2021 , 10,	8.9	17
249	A synthesis of bacterial and archaeal phenotypic trait data. <i>Scientific Data</i> , 2020 , 7, 170	8.2	20
248	Use of standardized bioinformatics for the analysis of fungal DNA signatures applied to sample provenance. <i>Forensic Science International</i> , 2020 , 310, 110250	2.6	5
247	Volatile organic compounds from leaf litter decomposition alter soil microbial communities and carbon dynamics. <i>Ecology</i> , 2020 , 101, e03130	4.6	10
246	The global-scale distributions of soil protists and their contributions to belowground systems. <i>Science Advances</i> , 2020 , 6, eaax8787	14.3	101
245	Continental-scale patterns of extracellular enzyme activity in the subsoil: an overlooked reservoir of microbial activity. <i>Environmental Research Letters</i> , 2020 , 15, 1040a1	6.2	9
244	Unlinked rRNA genes are widespread among bacteria and archaea. <i>ISME Journal</i> , 2020 , 14, 597-608	11.9	20
243	The Future of Environmental DNA in Forensic Science. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	13
242	Butterflies Host Characteristic and Phylogenetically Structured Adult-Stage Microbiomes. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	5
241	Global forensic geolocation with deep neural networks. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020 , 69, 909-929	1.5	3
240	The Role of Phosphorus Limitation in Shaping Soil Bacterial Communities and Their Metabolic Capabilities. <i>MBio</i> , 2020 , 11,	7.8	12
239	Contrasting environmental preferences of photosynthetic and non-photosynthetic soil cyanobacteria across the globe. <i>Global Ecology and Biogeography</i> , 2020 , 29, 2025-2038	6.1	6
238	The influence of soil age on ecosystem structure and function across biomes. <i>Nature Communications</i> , 2020 , 11, 4721	17.4	19
237	Effects of Spatial Variability and Relic DNA Removal on the Detection of Temporal Dynamics in Soil Microbial Communities. <i>MBio</i> , 2020 , 11,	7.8	29
236	Earthworms Place on Earth. <i>Science</i> , 2019 , 366, 425-426	33.3	13
235	Microbial Dynamics of Biosand Filters and Contributions of the Microbial Food Web to Effective Treatment of Wastewater-Impacted Water Sources. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	3
234	Not all animals need a microbiome. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	88
233	A Phylogenetic and Functional Perspective on Volatile Organic Compound Production by. <i>MSystems</i> , 2019 , 4,	7.6	22

232	Changes in belowground biodiversity during ecosystem development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6891-6896	11.5	78
231	Microbes Follow Humboldt: Temperature Drives Plant and Soil Microbial Diversity Patterns from the Amazon to the Andes. <i>Bulletin of the Ecological Society of America</i> , 2019 , 100, e01452	0.7	3
230	High proportions of bacteria and archaea across most biomes remain uncultured. <i>ISME Journal</i> , 2019 , 13, 3126-3130	11.9	138
229	Geographical Distribution of Fungal Plant Pathogens in Dust Across the United States. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	19
228	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019 , 10, 3481	17.4	56
227	A Global Survey of Mycobacterial Diversity in Soil. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	18
226	Metagenomic analyses reveal previously unrecognized variation in the diets of sympatric Old World monkey species. <i>PLoS ONE</i> , 2019 , 14, e0218245	3.7	1
225	Microbial responses to warming enhance soil carbon loss following translocation across a tropical forest elevation gradient. <i>Ecology Letters</i> , 2019 , 22, 1889-1899	10	18
224	A nonparametric spatial test to identify factors that shape a microbiome. <i>Annals of Applied Statistics</i> , 2019 , 13,	2.1	2
223	Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019 , 10,	7.8	53
222	Linking bacterial community composition to soil salinity along environmental gradients. <i>ISME Journal</i> , 2019 , 13, 836-846	11.9	128
221	Cross-biome patterns in soil microbial respiration predictable from evolutionary theory on thermal adaptation. <i>Nature Ecology and Evolution</i> , 2019 , 3, 223-231	12.3	54
220	Consistent changes in the taxonomic structure and functional attributes of bacterial communities during primary succession. <i>ISME Journal</i> , 2018 , 12, 1658-1667	11.9	66
219	Predicting the structure of soil communities from plant community taxonomy, phylogeny, and traits. <i>ISME Journal</i> , 2018 , 12, 1794-1805	11.9	109
218	The ecology and diversity of microbial eukaryotes in geothermal springs. <i>ISME Journal</i> , 2018 , 12, 1918-1928	12.8	26
217	A global atlas of the dominant bacteria found in soil. <i>Science</i> , 2018 , 359, 320-325	33.3	759
216	Assessing the utility of metabarcoding for diet analyses of the omnivorous wild pig (<i>Sus scrofa</i>). <i>Ecology and Evolution</i> , 2018 , 8, 185-196	2.8	35
215	Diversity of DNA and RNA Viruses in Indoor Air As Assessed via Metagenomic Sequencing. <i>Environmental Science & Technology</i> , 2018 , 52, 1014-1027	10.3	24

214	Near-Complete Genome Sequence of a Novel Single-Stranded RNA Virus Discovered in Indoor Air. <i>Genome Announcements</i> , 2018 , 6,		1
213	Microbes follow Humboldt: temperature drives plant and soil microbial diversity patterns from the Amazon to the Andes. <i>Ecology</i> , 2018 , 99, 2455-2466	4.6	95
212	Seasonal Variability of Airborne Particulate Matter and Bacterial Concentrations in Colorado Homes. <i>Atmosphere</i> , 2018 , 9, 133	2.7	16
211	A DNA metabarcoding approach to characterize soil arthropod communities. <i>Soil Biology and Biochemistry</i> , 2018 , 125, 37-43	7.5	26
210	Global gaps in soil biodiversity data. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1042-1043	12.3	56
209	Volatile Organic Compound Emissions From Soil Following Wetting Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 1988-2001	3.7	15
208	Novel bacterial lineages associated with boreal moss species. <i>Environmental Microbiology</i> , 2018 , 20, 2625-2638	5.46	46
207	Identifying the diet of a declining prairie grouse using DNA metabarcoding. <i>Auk</i> , 2018 , 135, 583-608	2.1	27
206	Tales from the tomb: the microbial ecology of exposed rock surfaces. <i>Environmental Microbiology</i> , 2018 , 20, 958-970	5.2	25
205	Variation in range size and dispersal capabilities of microbial taxa. <i>Ecology</i> , 2018 , 99, 322-334	4.6	34
204	Fungal diversity regulates plant-soil feedbacks in temperate grassland. <i>Science Advances</i> , 2018 , 4, eaau4578	4.78	66
203	Existing Climate Change Will Lead to Pronounced Shifts in the Diversity of Soil Prokaryotes. <i>MSystems</i> , 2018 , 3,	7.6	27
202	Ecological Analyses of Mycobacteria in Showerhead Biofilms and Their Relevance to Human Health. <i>MBio</i> , 2018 , 9,	7.8	52
201	Limited ecosystem recovery from simulated chronic nitrogen deposition. <i>Ecological Applications</i> , 2018 , 28, 1762-1772	4.9	26
200	Following Rapoport's Rule: the geographic range and genome size of bacterial taxa decline at warmer latitudes. <i>Environmental Microbiology</i> , 2017 , 19, 3152-3162	5.2	20
199	Consequences of tropical forest conversion to oil palm on soil bacterial community and network structure. <i>Soil Biology and Biochemistry</i> , 2017 , 112, 258-268	7.5	38
198	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076
197	Palaeoclimate explains a unique proportion of the global variation in soil bacterial communities. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1339-1347	12.3	44

196	The emerging contribution of social wasps to grape rot disease ecology. <i>PeerJ</i> , 2017 , 5, e3223	3.1	10
195	Embracing the unknown: disentangling the complexities of the soil microbiome. <i>Nature Reviews Microbiology</i> , 2017 , 15, 579-590	22.2	1106
194	Caterpillars lack a resident gut microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9641-9646	11.5	213
193	Hiding in Plain Sight: Mining Bacterial Species Records for Phenotypic Trait Information. <i>MSphere</i> , 2017 , 2,	5	43
192	Response of soil microbial community composition and function to a bottomland forest restoration intensity gradient. <i>Applied Soil Ecology</i> , 2017 , 119, 317-326	5	41
191	Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea. <i>Nature Biotechnology</i> , 2017 , 35, 725-731	44.5	648
190	Identifying the microbial taxa that consistently respond to soil warming across time and space. <i>Global Change Biology</i> , 2017 , 23, 2117-2129	11.4	89
189	Molecular analysis of environmental plant DNA in house dust across the United States. <i>Aerobiologia</i> , 2017 , 33, 71-86	2.4	19
188	Plant domestication and the assembly of bacterial and fungal communities associated with strains of the common sunflower, <i>Helianthus annuus</i> . <i>New Phytologist</i> , 2017 , 214, 412-423	9.8	116
187	Geological and Geochemical Controls on Subsurface Microbial Life in the Samail Ophiolite, Oman. <i>Frontiers in Microbiology</i> , 2017 , 8, 56	5.7	61
186	Phylogenetic factorization of compositional data yields lineage-level associations in microbiome datasets. <i>PeerJ</i> , 2017 , 5, e2969	3.1	76
185	Relic DNA is abundant in soil and obscures estimates of soil microbial diversity. <i>Nature Microbiology</i> , 2016 , 2, 16242	26.6	391
184	Managing uncertainty in soil carbon feedbacks to climate change. <i>Nature Climate Change</i> , 2016 , 6, 751-758	11.4	291
183	Quantifying human impact on Earth's microbiome. <i>Nature Microbiology</i> , 2016 , 1, 16145	26.6	16
182	The diversity of arthropods in homes across the United States as determined by environmental DNA analyses. <i>Molecular Ecology</i> , 2016 , 25, 6214-6224	5.7	19
181	Microbes Should Be Central to Ecological Education and Outreach. <i>Journal of Microbiology and Biology Education</i> , 2016 , 17, 23-8	1.3	11
180	Infection with a Shoot-Specific Fungal Endophyte (<i>Epichloa</i>) Alters Tall Fescue Soil Microbial Communities. <i>Microbial Ecology</i> , 2016 , 72, 197-206	4.4	48
179	Molecular mechanisms underlying the close association between soil Burkholderia and fungi. <i>ISME Journal</i> , 2016 , 10, 253-64	11.9	76

178	Lambda Interferon Restructures the Nasal Microbiome and Increases Susceptibility to Staphylococcus aureus Superinfection. <i>MBio</i> , 2016 , 7, e01939-15	7.8	70
177	Modern water/rock reactions in Oman hyperalkaline peridotite aquifers and implications for microbial habitability. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 179, 217-241	5.5	77
176	Genome reduction in an abundant and ubiquitous soil bacterium <i>Candidatus Udaeobacter copiosus</i> . <i>Nature Microbiology</i> , 2016 , 2, 16198	26.6	99
175	Associations between an Invasive Plant (<i>Taeniatherum caput-medusae</i> , Medusahead) and Soil Microbial Communities. <i>PLoS ONE</i> , 2016 , 11, e0163930	3.7	10
174	Continental-Scale Patterns Reveal Potential for Warming-Induced Shifts in Cattle Diet. <i>PLoS ONE</i> , 2016 , 11, e0161511	3.7	14
173	Environmental Drivers of Differences in Microbial Community Structure in Crude Oil Reservoirs across a Methanogenic Gradient. <i>Frontiers in Microbiology</i> , 2016 , 7, 1535	5.7	22
172	Biodiversity gradients in obligate symbiotic organisms: exploring the diversity and traits of lichen propagules across the United States. <i>Journal of Biogeography</i> , 2016 , 43, 1667-1678	4.1	20
171	Treating cattle with antibiotics affects greenhouse gas emissions, and microbiota in dung and dung beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	36
170	A method for simultaneous measurement of soil bacterial abundances and community composition via 16S rRNA gene sequencing. <i>Soil Biology and Biochemistry</i> , 2016 , 96, 145-151	7.5	117
169	Ten questions concerning the microbiomes of buildings. <i>Building and Environment</i> , 2016 , 109, 224-234	6.5	104
168	Resuscitation of the rare biosphere contributes to pulses of ecosystem activity. <i>Frontiers in Microbiology</i> , 2015 , 6, 24	5.7	121
167	Continental-scale distributions of dust-associated bacteria and fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5756-61	11.5	259
166	Review of human hand microbiome research. <i>Journal of Dermatological Science</i> , 2015 , 80, 3-12	4.3	59
165	Consistent responses of soil microbial communities to elevated nutrient inputs in grasslands across the globe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10967-72	11.5	649
164	The ecology of microscopic life in household dust. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282,	4.4	147
163	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. <i>Ecology Letters</i> , 2015 , 18, 85-95	10	394
162	Spatial structuring of bacterial communities within individual Ginkgo biloba trees. <i>Environmental Microbiology</i> , 2015 , 17, 2352-61	5.2	67
161	Climatic warming and the future of bison as grazers. <i>Scientific Reports</i> , 2015 , 5, 16738	4.9	49

160	Relating belowground microbial composition to the taxonomic, phylogenetic, and functional trait distributions of trees in a tropical forest. <i>Ecology Letters</i> , 2015 , 18, 1397-405	10	121
159	The Evolution of Stomach Acidity and Its Relevance to the Human Microbiome. <i>PLoS ONE</i> , 2015 , 10, e0134116	3.7	171
158	Seasonal Shifts in Diet and Gut Microbiota of the American Bison (<i>Bison bison</i>). <i>PLoS ONE</i> , 2015 , 10, e0142409	3.7	64
157	Evidence-based recommendations on storing and handling specimens for analyses of insect microbiota. <i>PeerJ</i> , 2015 , 3, e1190	3.1	48
156	Impacts of flood damage on airborne bacteria and fungi in homes after the 2013 Colorado Front Range flood. <i>Environmental Science & Technology</i> , 2015 , 49, 2675-84	10.3	73
155	Bacteria and fungi associated with isoprene consumption in soil. <i>Elementa</i> , 2015 , 3,	3.6	29
154	Fungi identify the geographic origin of dust samples. <i>PLoS ONE</i> , 2015 , 10, e0122605	3.7	43
153	Wild plant species growing closely connected in a subalpine meadow host distinct root-associated bacterial communities. <i>PeerJ</i> , 2015 , 3, e804	3.1	49
152	From the litter layer to the saprolite: Chemical changes in water-soluble soil organic matter and their correlation to microbial community composition. <i>Soil Biology and Biochemistry</i> , 2014 , 68, 166-176	7.5	54
151	Predicting the responsiveness of soil biodiversity to deforestation: a cross-biome study. <i>Global Change Biology</i> , 2014 , 20, 2983-94	11.4	80
150	Why are some microbes more ubiquitous than others? Predicting the habitat breadth of soil bacteria. <i>Ecology Letters</i> , 2014 , 17, 794-802	10	147
149	Bacterial phylogeny structures soil resistomes across habitats. <i>Nature</i> , 2014 , 509, 612-6	50.4	649
148	The importance of sample archiving in microbial ecology. <i>Nature Reviews Microbiology</i> , 2014 , 12, 789-90	22.2	23
147	Biogeographic patterns in below-ground diversity in New York City@ Central Park are similar to those observed globally. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	201
146	Archiving: Don't let microbial samples perish. <i>Nature</i> , 2014 , 512, 253	50.4	3
145	Evolutionary histories of soil fungi are reflected in their large-scale biogeography. <i>Ecology Letters</i> , 2014 , 17, 1086-93	10	60
144	Structure, inter-annual recurrence, and global-scale connectivity of airborne microbial communities. <i>Science of the Total Environment</i> , 2014 , 487, 187-95	10.2	63
143	Meeting report for the 1st skin microbiota workshop, boulder, CO October 15-16 2012. <i>Standards in Genomic Sciences</i> , 2014 , 9,		78

142	Biotic and abiotic controls on biogenic volatile organic compound fluxes from a subalpine forest floor. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 547-556	3.7	28
141	Seeing the forest for the genes: using metagenomics to infer the aggregated traits of microbial communities. <i>Frontiers in Microbiology</i> , 2014 , 5, 614	5.7	80
140	Communities of microbial eukaryotes in the mammalian gut within the context of environmental eukaryotic diversity. <i>Frontiers in Microbiology</i> , 2014 , 5, 298	5.7	98
139	Digging Into the World Beneath Our Feet: Bridging Across Scales in the Age of Global Change. <i>Eos</i> , 2014 , 95, 96-97	1.5	11
138	Temporal variability is a personalized feature of the human microbiome. <i>Genome Biology</i> , 2014 , 15, 531	18.3	255
137	Conditionally rare taxa disproportionately contribute to temporal changes in microbial diversity. <i>MBio</i> , 2014 , 5, e01371-14	7.8	359
136	The microbial contribution to macroecology. <i>Frontiers in Microbiology</i> , 2014 , 5, 203	5.7	84
135	Genus-wide acid tolerance accounts for the biogeographical distribution of soil Burkholderia populations. <i>Environmental Microbiology</i> , 2014 , 16, 1503-12	5.2	72
134	Metamorphosis of a butterfly-associated bacterial community. <i>PLoS ONE</i> , 2014 , 9, e86995	3.7	100
133	Diversity, distribution and sources of bacteria in residential kitchens. <i>Environmental Microbiology</i> , 2013 , 15, 588-96	5.2	137
132	Global drivers and patterns of microbial abundance in soil. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1162-1172	6.1	183
131	Reconstructing the microbial diversity and function of pre-agricultural tallgrass prairie soils in the United States. <i>Science</i> , 2013 , 342, 621-4	33.3	324
130	Cell size distributions of soil bacterial and archaeal taxa. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 7610-7	4.8	79
129	A meta-analysis of changes in bacterial and archaeal communities with time. <i>ISME Journal</i> , 2013 , 7, 1493-506	11.9	236
128	Global biogeography of highly diverse protistan communities in soil. <i>ISME Journal</i> , 2013 , 7, 652-9	11.9	302
127	Sensitivity of soil respiration and microbial communities to altered snowfall. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 217-227	7.5	87
126	Temporal variability in soil microbial communities across land-use types. <i>ISME Journal</i> , 2013 , 7, 1641-50	11.9	299
125	Reduction of the temperature sensitivity of soil organic matter decomposition with sustained temperature increase. <i>Biogeochemistry</i> , 2013 , 113, 359-368	3.8	26

124	Seasonal variability in bacterial and fungal diversity of the near-surface atmosphere. <i>Environmental Science & Technology</i> , 2013 , 47, 12097-106	10.3	269
123	Meeting report: fungal its workshop (october 2012). <i>Standards in Genomic Sciences</i> , 2013 , 8, 118-23		26
122	A microbial clock provides an accurate estimate of the postmortem interval in a mouse model system. <i>ELife</i> , 2013 , 2, e01104	8.9	183
121	Bacterial communities associated with the surfaces of fresh fruits and vegetables. <i>PLoS ONE</i> , 2013 , 8, e59310	3.7	259
120	A cross-taxon analysis of insect-associated bacterial diversity. <i>PLoS ONE</i> , 2013 , 8, e61218	3.7	105
119	Home life: factors structuring the bacterial diversity found within and between homes. <i>PLoS ONE</i> , 2013 , 8, e64133	3.7	213
118	Ectomycorrhizal-dominated boreal and tropical forests have distinct fungal communities, but analogous spatial patterns across soil horizons. <i>PLoS ONE</i> , 2013 , 8, e68278	3.7	53
117	Changes in bacterial and fungal communities across compost recipes, preparation methods, and composting times. <i>PLoS ONE</i> , 2013 , 8, e79512	3.7	193
116	Cohabiting family members share microbiota with one another and with their dogs. <i>ELife</i> , 2013 , 2, e004589	5.9	616
115	Digging the New York City Skyline: soil fungal communities in green roofs and city parks. <i>PLoS ONE</i> , 2013 , 8, e58020	3.7	135
114	Seasonal variability in airborne bacterial communities at a high-elevation site. <i>Atmospheric Environment</i> , 2012 , 50, 41-49	5.3	184
113	Digging deeper to find unique microbial communities: The strong effect of depth on the structure of bacterial and archaeal communities in soil. <i>Soil Biology and Biochemistry</i> , 2012 , 50, 58-65	7.5	429
112	Temporal variability in the diversity and composition of stream bacterioplankton communities. <i>Environmental Microbiology</i> , 2012 , 14, 2417-28	5.2	74
111	Cross-biome metagenomic analyses of soil microbial communities and their functional attributes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21390-5	11.5	956
110	Using network analysis to explore co-occurrence patterns in soil microbial communities. <i>ISME Journal</i> , 2012 , 6, 343-51	11.9	1211
109	Revised calibration of the MBT δ BT paleotemperature proxy based on branched tetraether membrane lipids in surface soils. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 96, 215-229	5.5	298
108	From Animalcules to an Ecosystem: Application of Ecological Concepts to the Human Microbiome. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012 , 43, 137-155	13.5	64
107	Comparative metagenomic, phylogenetic and physiological analyses of soil microbial communities across nitrogen gradients. <i>ISME Journal</i> , 2012 , 6, 1007-17	11.9	952

106	Ultra-high-throughput microbial community analysis on the Illumina HiSeq and MiSeq platforms. <i>ISME Journal</i> , 2012 , 6, 1621-4	11.9	5059
105	A direct PCR approach to accelerate analyses of human-associated microbial communities. <i>PLoS ONE</i> , 2012 , 7, e44563	3.7	52
104	Unlocking the potential of metagenomics through replicated experimental design. <i>Nature Biotechnology</i> , 2012 , 30, 513-20	44.5	212
103	Predicting microbial distributions in space and time. <i>Nature Methods</i> , 2012 , 9, 549-51	21.6	21
102	A preliminary survey of lichen associated eukaryotes using pyrosequencing. <i>Lichenologist</i> , 2012 , 44, 137-146		54
101	Fungal community composition in neotropical rain forests: the influence of tree diversity and precipitation. <i>Microbial Ecology</i> , 2012 , 63, 804-12	4.4	99
100	Impacts of nitrogen fertilization on volatile organic compound emissions from decomposing plant litter. <i>Global Change Biology</i> , 2012 , 18, 739-748	11.4	23
99	Consistent effects of nitrogen amendments on soil microbial communities and processes across biomes. <i>Global Change Biology</i> , 2012 , 18, 1918-1927	11.4	715
98	Lake microbial communities are resilient after a whole-ecosystem disturbance. <i>ISME Journal</i> , 2012 , 6, 2153-67	11.9	143
97	Co-habiting amphibian species harbor unique skin bacterial communities in wild populations. <i>ISME Journal</i> , 2012 , 6, 588-96	11.9	188
96	SitePainter: a tool for exploring biogeographical patterns. <i>Bioinformatics</i> , 2012 , 28, 436-8	7.2	18
95	A jungle in there: bacteria in belly buttons are highly diverse, but predictable. <i>PLoS ONE</i> , 2012 , 7, e47712	3.7	48
94	The Biogeography of Microbial Communities and Ecosystem Processes: Implications for Soil and Ecosystem Models 2012 , 189-200		25
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12	Genome reduction in an abundant and ubiquitous soil bacterial lineage		2
11	Microbes follow Humboldt: temperature drives plant and soil microbial diversity patterns from the Amazon to the Andes		4
10	Caterpillars lack a resident gut microbiome		6
9	Climate change will lead to pronounced shifts in the diversity of soil microbial communities		3
8	Exploring the boundaries of microbial habitability in soil		1
7	Ecological analyses of mycobacteria in showerhead biofilms and their relevance to human health		1
6	Unraveling the effects of spatial variability and relic DNA on the temporal dynamics of soil microbial communities		4
5	Ecological niche differentiation in soil cyanobacterial communities across the globe		1
4	A global survey of mycobacterial diversity in soil		4
3	Ecological and genomic attributes of novel bacterial taxa that thrive in subsurface soil horizons		3
2	Unlinked rRNA genes are widespread among Bacteria and Archaea		3
1	DNA metabarcoding potentially reveals multi-assemblage eutrophication responses in an eastern North American river		1