

Noah Fierer

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.

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	QIIME allows analysis of high-throughput community sequencing data. <i>Nature Methods</i> , 2010 , 7, 335-6	21.6	22879
266	Ultra-high-throughput microbial community analysis on the Illumina HiSeq and MiSeq platforms. <i>ISME Journal</i> , 2012 , 6, 1621-4	11.9	5059
265	Global patterns of 16S rRNA diversity at a depth of millions of sequences per sample. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 1, 4516-22	11.5	4742
264	The diversity and biogeography of soil bacterial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 626-31	11.5	3508
263	Delivery mode shapes the acquisition and structure of the initial microbiota across multiple body habitats in newborns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11971-5	11.5	2914
262	Toward an ecological classification of soil bacteria. <i>Ecology</i> , 2007 , 88, 1354-64	4.6	2499
261	Pyrosequencing-based assessment of soil pH as a predictor of soil bacterial community structure at the continental scale. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5111-20	4.8	2437
260	Bacterial community variation in human body habitats across space and time. <i>Science</i> , 2009 , 326, 1694-7	33.3	2168
259	Soil bacterial and fungal communities across a pH gradient in an arable soil. <i>ISME Journal</i> , 2010 , 4, 1340-51	51.9	2148
258	The influence of soil properties on the structure of bacterial and fungal communities across land-use types. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 2407-2415	7.5	1270
257	Using network analysis to explore co-occurrence patterns in soil microbial communities. <i>ISME Journal</i> , 2012 , 6, 343-51	11.9	1211
256	Variations in microbial community composition through two soil depth profiles. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 167-176	7.5	1156
255	Embracing the unknown: disentangling the complexities of the soil microbiome. <i>Nature Reviews Microbiology</i> , 2017 , 15, 579-590	22.2	1106
254	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076
253	Assessment of soil microbial community structure by use of taxon-specific quantitative PCR assays. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 4117-20	4.8	985
252	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
251	Comparative metagenomic, phylogenetic and physiological analyses of soil microbial communities across nitrogen gradients. <i>ISME Journal</i> , 2012 , 6, 1007-17	11.9	952

250	Examining the global distribution of dominant archaeal populations in soil. <i>ISME Journal</i> , 2011 , 5, 908-17	11.9	822
249	The influence of sex, handedness, and washing on the diversity of hand surface bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17994-9	11.5	795
248	A global atlas of the dominant bacteria found in soil. <i>Science</i> , 2018 , 359, 320-325	33.3	759
247	Effects of drying and rewetting frequency on soil carbon and nitrogen transformations. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 777-787	7.5	753
246	A comprehensive survey of soil acidobacterial diversity using pyrosequencing and clone library analyses. <i>ISME Journal</i> , 2009 , 3, 442-53	11.9	727
245	Moving pictures of the human microbiome. <i>Genome Biology</i> , 2011 , 12, R50	18.3	723
244	Global patterns in belowground communities. <i>Ecology Letters</i> , 2009 , 12, 1238-49	10	723
243	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
242	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
241	Bacterial phylogeny structures soil resistomes across habitats. <i>Nature</i> , 2014 , 509, 612-6	50.4	649
240	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
239	Cohabiting family members share microbiota with one another and with their dogs. <i>ELife</i> , 2013 , 2, e004589	58.9	616
238	Microbial nitrogen limitation increases decomposition. <i>Ecology</i> , 2007 , 88, 2105-13	4.6	562
237	Testing the functional significance of microbial community composition. <i>Ecology</i> , 2009 , 90, 441-51	4.6	505
236	LITTER QUALITY AND THE TEMPERATURE SENSITIVITY OF DECOMPOSITION. <i>Ecology</i> , 2005 , 86, 320-326	4.6	479
235	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
234	The under-recognized dominance of Verrucomicrobia in soil bacterial communities. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1450-1455	7.5	440
233	A Proposed Mechanism for the Pulse in Carbon Dioxide Production Commonly Observed Following the Rapid Rewetting of a Dry Soil. <i>Soil Science Society of America Journal</i> , 2003 , 67, 798	2.5	434

232	Soil bacterial diversity in the Arctic is not fundamentally different from that found in other biomes. <i>Environmental Microbiology</i> , 2010 , 12, 2998-3006	5.2	432
231	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
230	Forensic identification using skin bacterial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6477-81	11.5	414
229	The ecology of the phyllosphere: geographic and phylogenetic variability in the distribution of bacteria on tree leaves. <i>Environmental Microbiology</i> , 2010 , 12, 2885-93	5.2	414
228	Metagenomic and small-subunit rRNA analyses reveal the genetic diversity of bacteria, archaea, fungi, and viruses in soil. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 7059-66	4.8	406
227	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. <i>Ecology Letters</i> , 2015 , 18, 85-95	10	394
226	Relic DNA is abundant in soil and obscures estimates of soil microbial diversity. <i>Nature Microbiology</i> , 2016 , 2, 16242	26.6	391
225	Consistent effects of nitrogen fertilization on soil bacterial communities in contrasting systems. <i>Ecology</i> , 2010 , 91, 3463-70; discussion 3503-14	4.6	360
224	Conditionally rare taxa disproportionately contribute to temporal changes in microbial diversity. <i>MBio</i> , 2014 , 5, e01371-14	7.8	359
223	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
222	Controls on microbial CO ₂ production: a comparison of surface and subsurface soil horizons. <i>Global Change Biology</i> , 2003 , 9, 1322-1332	11.4	321
221	Shifts in bacterial community structure associated with inputs of low molecular weight carbon compounds to soil. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 896-903	7.5	316
220	Global biogeography of highly diverse protistan communities in soil. <i>ISME Journal</i> , 2013 , 7, 652-9	11.9	302
219	Temporal variability in soil microbial communities across land-use types. <i>ISME Journal</i> , 2013 , 7, 1641-50	11.9	299
218	Revised calibration of the MBT/MBT paleotemperature proxy based on branched tetraether membrane lipids in surface soils. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 96, 215-229	5.5	298
217	Managing uncertainty in soil carbon feedbacks to climate change. <i>Nature Climate Change</i> , 2016 , 6, 751-758	8.4	291
216	Spatial variability in airborne bacterial communities across land-use types and their relationship to the bacterial communities of potential source environments. <i>ISME Journal</i> , 2011 , 5, 601-12	11.9	288
215	Global patterns in the biogeography of bacterial taxa. <i>Environmental Microbiology</i> , 2011 , 13, 135-144	5.2	279

214	Effect of storage conditions on the assessment of bacterial community structure in soil and human-associated samples. <i>FEMS Microbiology Letters</i> , 2010 , 307, 80-6	2.9	274
213	PrimerProspector: de novo design and taxonomic analysis of barcoded polymerase chain reaction primers. <i>Bioinformatics</i> , 2011 , 27, 1159-61	7.2	273
212	Seasonal variability in bacterial and fungal diversity of the near-surface atmosphere. <i>Environmental Science & Technology</i> , 2013 , 47, 12097-106	10.3	269
211	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
210	Bacterial communities associated with the surfaces of fresh fruits and vegetables. <i>PLoS ONE</i> , 2013 , 8, e59310	3.7	259
209	Microbes do not follow the elevational diversity patterns of plants and animals. <i>Ecology</i> , 2011 , 92, 797-804	4.6	257
208	Temporal variability is a personalized feature of the human microbiome. <i>Genome Biology</i> , 2014 , 15, 531	18.3	255
207	Widespread coupling between the rate and temperature sensitivity of organic matter decay. <i>Nature Geoscience</i> , 2010 , 3, 854-857	18.3	247
206	Bacterial communities associated with the lichen symbiosis. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 1309-14	4.8	238
205	A meta-analysis of changes in bacterial and archaeal communities with time. <i>ISME Journal</i> , 2013 , 7, 1493-506	15.9	236
204	Changes through time: integrating microorganisms into the study of succession. <i>Research in Microbiology</i> , 2010 , 161, 635-42	4	232
203	Characterization of airborne microbial communities at a high-elevation site and their potential to act as atmospheric ice nuclei. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5121-30	4.8	231
202	Influence of balsam poplar tannin fractions on carbon and nitrogen dynamics in Alaskan taiga floodplain soils. <i>Soil Biology and Biochemistry</i> , 2001 , 33, 1827-1839	7.5	220
201	Litter quality is in the eye of the beholder: initial decomposition rates as a function of inoculum characteristics. <i>Functional Ecology</i> , 2009 , 23, 627-636	5.6	219
200	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
199	Home life: factors structuring the bacterial diversity found within and between homes. <i>PLoS ONE</i> , 2013 , 8, e64133	3.7	213
198	Unlocking the potential of metagenomics through replicated experimental design. <i>Nature Biotechnology</i> , 2012 , 30, 513-20	44.5	212
197	Short-term temporal variability in airborne bacterial and fungal populations. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 200-7	4.8	211

196	The effects of chronic nitrogen fertilization on alpine tundra soil microbial communities: implications for carbon and nitrogen cycling. <i>Environmental Microbiology</i> , 2008 , 10, 3093-105	5.2	209
195	Nitrogen fertilization inhibits soil microbial respiration regardless of the form of nitrogen applied. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 2336-2338	7.5	204
194	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
193	Sources of bacteria in outdoor air across cities in the midwestern United States. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 6350-6	4.8	195
192	Changes in bacterial and fungal communities across compost recipes, preparation methods, and composting times. <i>PLoS ONE</i> , 2013 , 8, e79512	3.7	193
191	Microbial community resemblance methods differ in their ability to detect biologically relevant patterns. <i>Nature Methods</i> , 2010 , 7, 813-9	21.6	192
190	Co-habiting amphibian species harbor unique skin bacterial communities in wild populations. <i>ISME Journal</i> , 2012 , 6, 588-96	11.9	188
189	Seasonal variability in airborne bacterial communities at a high-elevation site. <i>Atmospheric Environment</i> , 2012 , 50, 41-49	5.3	184
188	Microbial biogeography of public restroom surfaces. <i>PLoS ONE</i> , 2011 , 6, e28132	3.7	184
187	Global drivers and patterns of microbial abundance in soil. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1162-1172	6.1	183
186	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
185	The Evolution of Stomach Acidity and Its Relevance to the Human Microbiome. <i>PLoS ONE</i> , 2015 , 10, e0134116	3.7	171
184	Bacterial succession on the leaf surface: a novel system for studying successional dynamics. <i>Microbial Ecology</i> , 2009 , 58, 189-98	4.4	169
183	Predicting the temperature dependence of microbial respiration in soil: A continental-scale analysis. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	5.9	164
182	Volatile organic compound (VOC) emissions from soil and litter samples. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 1629-1636	7.5	163
181	The generation and maintenance of diversity in microbial communities. <i>American Journal of Botany</i> , 2011 , 98, 439-48	2.7	160
180	Environmental controls on the landscape-scale biogeography of stream bacterial communities. <i>Ecology</i> , 2007 , 88, 2162-73	4.6	157
179	The ecology of microscopic life in household dust. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282,	4.4	147

178	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
177	The Earth Microbiome Project: Meeting report of the "1 EMP meeting on sample selection and acquisition" at Argonne National Laboratory October 6 2010. <i>Standards in Genomic Sciences</i> , 2010 , 3, 249-53		146
176	Lake microbial communities are resilient after a whole-ecosystem disturbance. <i>ISME Journal</i> , 2012 , 6, 2153-67	11.9	143
175	High proportions of bacteria and archaea across most biomes remain uncultured. <i>ISME Journal</i> , 2019 , 13, 3126-3130	11.9	138
174	A Proposed Mechanism for the Pulse in Carbon Dioxide Production Commonly Observed Following the Rapid Rewetting of a Dry Soil. <i>Soil Science Society of America Journal</i> , 2003 , 67, 798-805	2.5	138
173	Diversity, distribution and sources of bacteria in residential kitchens. <i>Environmental Microbiology</i> , 2013 , 15, 588-96	5.2	137
172	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
171	The influence of microbial communities, management, and soil texture on soil organic matter chemistry. <i>Geoderma</i> , 2009 , 150, 278-286	6.7	129
170	Linking bacterial community composition to soil salinity along environmental gradients. <i>ISME Journal</i> , 2019 , 13, 836-846	11.9	128
169	Direct sequencing of the human microbiome readily reveals community differences. <i>Genome Biology</i> , 2010 , 11, 210	18.3	125
168	Resuscitation of the rare biosphere contributes to pulses of ecosystem activity. <i>Frontiers in Microbiology</i> , 2015 , 6, 24	5.7	121
167	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
166	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
165	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
164	Microbial Processes in the Vadose Zone. <i>Vadose Zone Journal</i> , 2005 , 4, 1-21	2.7	113
163	Searching for unifying principles in soil ecology. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 2249-2256	7.5	112
162	The biogeography of ammonia-oxidizing bacterial communities in soil. <i>Microbial Ecology</i> , 2009 , 58, 435-444	4.4	110
161	Predicting the structure of soil communities from plant community taxonomy, phylogeny, and traits. <i>ISME Journal</i> , 2018 , 12, 1794-1805	11.9	109

160	A cross-taxon analysis of insect-associated bacterial diversity. <i>PLoS ONE</i> , 2013 , 8, e61218	3.7	105
159	Ten questions concerning the microbiomes of buildings. <i>Building and Environment</i> , 2016 , 109, 224-234	6.5	104
158	The global-scale distributions of soil protists and their contributions to belowground systems. <i>Science Advances</i> , 2020 , 6, eaax8787	14.3	101
157	Metamorphosis of a butterfly-associated bacterial community. <i>PLoS ONE</i> , 2014 , 9, e86995	3.7	100
156	Genome reduction in an abundant and ubiquitous soil bacterium <i>Candidatus Udaeobacter copiosus</i> . <i>Nature Microbiology</i> , 2016 , 2, 16198	26.6	99
155	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
154	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
153	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
152	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
151	Not all animals need a microbiome. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	88
150	Sensitivity of soil respiration and microbial communities to altered snowfall. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 217-227	7.5	87
149	Emissions of volatile organic compounds during the decomposition of plant litter. <i>Journal of Geophysical Research</i> , 2010 , 115,		87
148	The microbial contribution to macroecology. <i>Frontiers in Microbiology</i> , 2014 , 5, 203	5.7	84
147	Predicting the responsiveness of soil biodiversity to deforestation: a cross-biome study. <i>Global Change Biology</i> , 2014 , 20, 2983-94	11.4	80
146	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
145	Cell size distributions of soil bacterial and archaeal taxa. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 7610-7	4.8	79
144	Microbial Processes in the Vadose Zone. <i>Vadose Zone Journal</i> , 2005 , 4, 1-21	2.7	79
143	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

142	Meeting report for the 1st skin microbiota workshop, boulder, CO October 15-16 2012. <i>Standards in Genomic Sciences</i> , 2014 , 9,		78
141	Microbial consumption and production of volatile organic compounds at the soil-litter interface. <i>Biogeochemistry</i> , 2010 , 99, 97-107	3.8	78
140	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
139	Molecular mechanisms underlying the close association between soil Burkholderia and fungi. <i>ISME Journal</i> , 2016 , 10, 253-64	11.9	76
138	Phylogenetic factorization of compositional data yields lineage-level associations in microbiome datasets. <i>PeerJ</i> , 2017 , 5, e2969	3.1	76
137	Temporal variability in the diversity and composition of stream bacterioplankton communities. <i>Environmental Microbiology</i> , 2012 , 14, 2417-28	5.2	74
136	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
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	Lambda Interferon Restructures the Nasal Microbiome and Increases Susceptibility to Staphylococcus aureus Superinfection. <i>MBio</i> , 2016 , 7, e01939-15	7.8	70
133	Spatial structuring of bacterial communities within individual Ginkgo biloba trees. <i>Environmental Microbiology</i> , 2015 , 17, 2352-61	5.2	67
132	Production of CO ₂ in Soil Profiles of a California Annual Grassland. <i>Ecosystems</i> , 2005 , 8, 412-429	3.9	67
131	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
130	Fungal diversity regulates plant-soil feedbacks in temperate grassland. <i>Science Advances</i> , 2018 , 4, eaau4518	11.8	66
129	Seasonal Shifts in Diet and Gut Microbiota of the American Bison (Bison bison). <i>PLoS ONE</i> , 2015 , 10, e0142409	11.7	64
128	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
127	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
126	Microbial Biogeography: Patterns in Microbial Diversity across Space and Time95-115		62
125	Geological and Geochemical Controls on Subsurface Microbial Life in the Samail Ophiolite, Oman. <i>Frontiers in Microbiology</i> , 2017 , 8, 56	5.7	61

124	Evolutionary histories of soil fungi are reflected in their large-scale biogeography. <i>Ecology Letters</i> , 2014 , 17, 1086-93	10	60
123	Review of human hand microbiome research. <i>Journal of Dermatological Science</i> , 2015 , 80, 3-12	4.3	59
122	Global gaps in soil biodiversity data. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1042-1043	12.3	56
121	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019 , 10, 3481	17.4	56
120	How microbes can, and cannot, be used to assess soil health. <i>Soil Biology and Biochemistry</i> , 2021 , 153, 108111	7.5	55
119	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
118	A preliminary survey of lichen associated eukaryotes using pyrosequencing. <i>Lichenologist</i> , 2012 , 44, 137-146		54
117	Fungal growth on a common wood substrate across a tropical elevation gradient: Temperature sensitivity, community composition, and potential for above-ground decomposition. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 1083-1090	7.5	54
116	Abiotic nitrate incorporation in soil: is it real?. <i>Biogeochemistry</i> , 2007 , 84, 161-169	3.8	54
115	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
114	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
113	Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019 , 10,	7.8	53
112	A direct PCR approach to accelerate analyses of human-associated microbial communities. <i>PLoS ONE</i> , 2012 , 7, e44563	3.7	52
111	Ecological Analyses of Mycobacteria in Showerhead Biofilms and Their Relevance to Human Health. <i>MBio</i> , 2018 , 9,	7.8	52
110	Landscape-level variation in temperature sensitivity of soil organic carbon decomposition. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 373-375	7.5	50
109	Climatic warming and the future of bison as grazers. <i>Scientific Reports</i> , 2015 , 5, 16738	4.9	49
108	Bacterial communities of two parthenogenetic aphid species cocolonizing two host plants across the Hawaiian Islands. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 8345-9	4.8	49
107	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

106	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
105	Evidence-based recommendations on storing and handling specimens for analyses of insect microbiota. <i>PeerJ</i> , 2015 , 3, e1190	3.1	48
104	A jungle in there: bacteria in belly buttons are highly diverse, but predictable. <i>PLoS ONE</i> , 2012 , 7, e47712	3.7	48
103	Novel bacterial lineages associated with boreal moss species. <i>Environmental Microbiology</i> , 2018 , 20, 2625-2638	5.46	
102	Nonlinear root-derived carbon sequestration across a gradient of nitrogen and phosphorous deposition in experimental mesocosms. <i>Global Change Biology</i> , 2008 , 14, 1113-1124	11.4	45
101	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
100	Hiding in Plain Sight: Mining Bacterial Species Records for Phenotypic Trait Information. <i>MSphere</i> , 2017 , 2,	5	43
99	Rates of in situ carbon mineralization in relation to land-use, microbial community and edaphic characteristics. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 260-269	7.5	43
98	Fungi identify the geographic origin of dust samples. <i>PLoS ONE</i> , 2015 , 10, e0122605	3.7	43
97	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
96	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
95	The contribution of biological particles to observed particulate organic carbon at a remote high altitude site. <i>Atmospheric Environment</i> , 2009 , 43, 4278-4282	5.3	36
94	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
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4	Ecological niche differentiation in soil cyanobacterial communities across the globe		1
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