

# Catherine Lozupone

## List of Publications by Citations

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**Version:** 2024-04-25

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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.

24  
papers

20,019  
citations

22  
h-index

24  
g-index

24  
ext. papers

27,804  
ext. citations

12.6  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
24	UniFrac: a new phylogenetic method for comparing microbial communities. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8228-35	4.8	5136
23	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 852-857	44.5	4050
22	Evolution of mammals and their gut microbes. <i>Science</i> , <b>2008</b> , 320, 1647-51	33.3	2355
21	Soil bacterial and fungal communities across a pH gradient in an arable soil. <i>ISME Journal</i> , <b>2010</b> , 4, 1340-51	11.9	2148
20	UniFrac: an effective distance metric for microbial community comparison. <i>ISME Journal</i> , <b>2011</b> , 5, 169-72	11.9	1474
19	UniFrac--an online tool for comparing microbial community diversity in a phylogenetic context. <i>BMC Bioinformatics</i> , <b>2006</b> , 7, 371	3.6	1131
18	Fast UniFrac: facilitating high-throughput phylogenetic analyses of microbial communities including analysis of pyrosequencing and PhyloChip data. <i>ISME Journal</i> , <b>2010</b> , 4, 17-27	11.9	869
17	Normalization and microbial differential abundance strategies depend upon data characteristics. <i>Microbiome</i> , <b>2017</b> , 5, 27	16.6	840
16	Short pyrosequencing reads suffice for accurate microbial community analysis. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, e120	20.1	510
15	Metagenomic and small-subunit rRNA analyses reveal the genetic diversity of bacteria, archaea, fungi, and viruses in soil. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7059-66	4.8	406
14	Microbial community resemblance methods differ in their ability to detect biologically relevant patterns. <i>Nature Methods</i> , <b>2010</b> , 7, 813-9	21.6	192
13	PyCogent: a toolkit for making sense from sequence. <i>Genome Biology</i> , <b>2007</b> , 8, R171	18.3	151
12	Widespread colonization of the lung by <i>Tropheryma whippelii</i> in HIV infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 1110-7	10.2	140
11	Biogeography and habitat modelling of high-alpine bacteria. <i>Nature Communications</i> , <b>2010</b> , 1, 53	17.4	113
10	Identifying genomic and metabolic features that can underlie early successional and opportunistic lifestyles of human gut symbionts. <i>Genome Research</i> , <b>2012</b> , 22, 1974-84	9.7	97
9	Host-bacterial coevolution and the search for new drug targets. <i>Current Opinion in Chemical Biology</i> , <b>2008</b> , 12, 109-14	9.7	87
8	Gut bacteria in children with autism spectrum disorders: challenges and promise of studying how a complex community influences a complex disease. <i>Microbial Ecology in Health and Disease</i> , <b>2015</b> , 26, 26914		70

7	The cladistic basis for the phylogenetic diversity (PD) measure links evolutionary features to environmental gradients and supports broad applications of microbial ecology's "phylogenetic beta diversity" framework. <i>International Journal of Molecular Sciences</i> , <b>2009</b> , 10, 4723-41	6.3	70
6	Perinatal Bisphenol A Exposure Induces Chronic Inflammation in Rabbit Offspring via Modulation of Gut Bacteria and Their Metabolites. <i>MSystems</i> , <b>2017</b> , 2,	7.6	48
5	Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens. <i>Scientific Reports</i> , <b>2017</b> , 7, 43741	4.9	45
4	Gut microbiome of mothers delivering prematurely shows reduced diversity and lower relative abundance of Bifidobacterium and Streptococcus. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184336	3.7	29
3	Stable tRNA-based phylogenies using only 76 nucleotides. <i>Rna</i> , <b>2010</b> , 16, 1469-77	5.8	29
2	Combined phylogenetic and genomic approaches for the high-throughput study of microbial habitat adaptation. <i>Trends in Microbiology</i> , <b>2011</b> , 19, 472-82	12.4	22
1	The Gut Microbiome in Autism: Study-Site Effects and Longitudinal Analysis of Behavior Change. <i>MSystems</i> , <b>2021</b> , 6,	7.6	7