

James T Morton

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.

43
papers

5,474
citations

26
h-index

48
g-index

48
ext. papers

8,048
ext. citations

14.3
avg, IF

5.47
L-index

#	Paper	IF	Citations
43	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076
42	Deblur Rapidly Resolves Single-Nucleotide Community Sequence Patterns. <i>MSystems</i> , 2017 , 2,	7.6	763
41	Best practices for analysing microbiomes. <i>Nature Reviews Microbiology</i> , 2018 , 16, 410-422	22.2	668
40	Microbiome-wide association studies link dynamic microbial consortia to disease. <i>Nature</i> , 2016 , 535, 94-103	50.4	443
39	Parkinson's disease and Parkinson's disease medications have distinct signatures of the gut microbiome. <i>Movement Disorders</i> , 2017 , 32, 739-749	7	405
38	American Gut: an Open Platform for Citizen Science Microbiome Research. <i>MSystems</i> , 2018 , 3,	7.6	336
37	Establishing microbial composition measurement standards with reference frames. <i>Nature Communications</i> , 2019 , 10, 2719	17.4	220
36	Balance Trees Reveal Microbial Niche Differentiation. <i>MSystems</i> , 2017 , 2,	7.6	177
35	Immunization with a heat-killed preparation of the environmental bacterium <i>Mycobacterium vaccae</i> promotes stress resilience in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3130-9	11.5	137
34	A Novel Sparse Compositional Technique Reveals Microbial Perturbations. <i>MSystems</i> , 2019 , 4,	7.6	137
33	Evolutionary trends in host physiology outweigh dietary niche in structuring primate gut microbiomes. <i>ISME Journal</i> , 2019 , 13, 576-587	11.9	132
32	The Microbiome in Posttraumatic Stress Disorder and Trauma-Exposed Controls: An Exploratory Study. <i>Psychosomatic Medicine</i> , 2017 , 79, 936-946	3.7	100
31	Phylogenomics of 10,575 genomes reveals evolutionary proximity between domains Bacteria and Archaea. <i>Nature Communications</i> , 2019 , 10, 5477	17.4	89
30	Learning representations of microbe-metabolite interactions. <i>Nature Methods</i> , 2019 , 16, 1306-1314	21.6	79
29	Evaluating the impact of domestication and captivity on the horse gut microbiome. <i>Scientific Reports</i> , 2017 , 7, 15497	4.9	64
28	Visualizing genomic feature rankings and log-ratios using Qurro. <i>NAR Genomics and Bioinformatics</i> , 2020 , 2, lqaa023	3.7	48
27	Discrete False-Discovery Rate Improves Identification of Differentially Abundant Microbes. <i>MSystems</i> , 2017 , 2,	7.6	48

26	Bringing the Dynamic Microbiome to Life with Animations. <i>Cell Host and Microbe</i> , 2017 , 21, 7-10	23.4	44
25	Correcting for Microbial Blooms in Fecal Samples during Room-Temperature Shipping. <i>MSystems</i> , 2017 , 2,	7.6	44
24	Methods for phylogenetic analysis of microbiome data. <i>Nature Microbiology</i> , 2018 , 3, 652-661	26.6	43
23	Uncovering the Horseshoe Effect in Microbial Analyses. <i>MSystems</i> , 2017 , 2,	7.6	41
22	Auto-deconvolution and molecular networking of gas chromatography-mass spectrometry data. <i>Nature Biotechnology</i> , 2021 , 39, 169-173	44.5	36
21	Lower Airway Dysbiosis Affects Lung Cancer Progression. <i>Cancer Discovery</i> , 2021 , 11, 293-307	24.4	34
20	Rail-RNA: scalable analysis of RNA-seq splicing and coverage. <i>Bioinformatics</i> , 2017 , 33, 4033-4040	7.2	33
19	Phylofactorization: a graph partitioning algorithm to identify phylogenetic scales of ecological data. <i>Ecological Monographs</i> , 2019 , 89, e01353	9	33
18	MetaMiner: A Scalable Peptidogenomics Approach for Discovery of Ribosomal Peptide Natural Products with Blind Modifications from Microbial Communities. <i>Cell Systems</i> , 2019 , 9, 600-608.e4	10.6	26
17	High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. <i>MSystems</i> , 2020 , 5,	7.6	24
16	Environmental radiation alters the gut microbiome of the bank vole <i>Myodes glareolus</i> . <i>ISME Journal</i> , 2018 , 12, 2801-2806	11.9	23
15	Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. <i>Nature Biotechnology</i> , 2021 , 39, 165-168	44.5	23
14	Deep metagenomics examines the oral microbiome during dental caries, revealing novel taxa and co-occurrences with host molecules. <i>Genome Research</i> , 2021 , 31, 64-74	9.7	21
13	Niche partitioning of a pathogenic microbiome driven by chemical gradients. <i>Science Advances</i> , 2018 , 4, eaau1908	14.3	21
12	Calour: an Interactive, Microbe-Centric Analysis Tool. <i>MSystems</i> , 2019 , 4,	7.6	20
11	Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. <i>Analytical Chemistry</i> , 2017 , 89, 10414-10421	7.8	20
10	Learned Embeddings from Deep Learning to Visualize and Predict Protein Sets. <i>Current Protocols</i> , 2021 , 1, e113		15
9	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. <i>MSystems</i> , 2021 , 6,	7.6	14

8	Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. <i>MSystems</i> , 2020 , 5,	7.6	8
7	Quantifying Live Microbial Load in Human Saliva Samples over Time Reveals Stable Composition and Dynamic Load. <i>MSystems</i> , 2021 , 6,	7.6	8
6	Red Sea SAR11 and Single-Cell Genomes Reflect Globally Distributed Pangenomes. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	7
5	Protein Structural Alignments From Sequence		6
4	Multi-omics profiling of Earth's biomes reveals that microbial and metabolite composition are shaped by the environment		3
3	An Elean(t) Screen for Drug-Microbe Interactions. <i>Cell Host and Microbe</i> , 2017 , 21, 555-556	23.4	2
2	Reply to: Examining microbe-metabolite correlations by linear methods. <i>Nature Methods</i> , 2021 , 18, 40-41	1.6	2
1	SCOPE++: sequence classification of homoPolymer emissions. <i>Genomics</i> , 2014 , 104, 157-62	4.3	