James T Morton

List of Publications by Year
in descending order

42 papers	9,723 citations	136950 32 h-index	276875 41 g-index
48 all docs	48 docs citations	48 times ranked	14407 citing authors

#	Article	IF	Citations
1	A communal catalogue reveals Earth's multiscale microbial diversity. Nature, 2017, 551, 457-463.	27.8	1,942
2	Deblur Rapidly Resolves Single-Nucleotide Community Sequence Patterns. MSystems, 2017, 2, .	3.8	1,339
3	Best practices for analysing microbiomes. Nature Reviews Microbiology, 2018, 16, 410-422.	28.6	1,138
4	Parkinson's disease and Parkinson's disease medications have distinct signatures of the gut microbiome. Movement Disorders, 2017, 32, 739-749.	3.9	649
5	American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .	3.8	604
6	Microbiome-wide association studies link dynamic microbial consortia to disease. Nature, 2016, 535, 94-103.	27.8	595
7	Establishing microbial composition measurement standards with reference frames. Nature Communications, 2019, 10, 2719.	12.8	428
8	A Novel Sparse Compositional Technique Reveals Microbial Perturbations. MSystems, 2019, 4, .	3.8	295
9	Balance Trees Reveal Microbial Niche Differentiation. MSystems, 2017, 2, .	3.8	284
10	Evolutionary trends in host physiology outweigh dietary niche in structuring primate gut microbiomes. ISME Journal, 2019, 13, 576-587.	9.8	236
11	Phylogenomics of 10,575 genomes reveals evolutionary proximity between domains Bacteria and Archaea. Nature Communications, 2019, 10, 5477.	12.8	197
12	Immunization with a heat-killed preparation of the environmental bacterium <i>Mycobacterium vaccae</i> promotes stress resilience in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3130-9.	7.1	186
13	Learning representations of microbe–metabolite interactions. Nature Methods, 2019, 16, 1306-1314.	19.0	184
14	The Microbiome in Posttraumatic Stress Disorder and Trauma-Exposed Controls: An Exploratory Study. Psychosomatic Medicine, 2017, 79, 936-946.	2.0	153
15	Lower Airway Dysbiosis Affects Lung Cancer Progression. Cancer Discovery, 2021, 11, 293-307.	9.4	139
16	Correcting for Microbial Blooms in Fecal Samples during Room-Temperature Shipping. MSystems, 2017, 2, .	3.8	116
17	Evaluating the impact of domestication and captivity on the horse gut microbiome. Scientific Reports, 2017, 7, 15497.	3.3	112
18	Visualizing 'omic feature rankings and log-ratios using Qurro. NAR Genomics and Bioinformatics, 2020, 2, lqaa023.	3.2	97

#	ARTICLE	IF	CITATIONS
19	Bringing the Dynamic Microbiome to Life with Animations. Cell Host and Microbe, 2017, 21, 7-10.	11.0	95
20	Auto-deconvolution and molecular networking of gas chromatography–mass spectrometry data. Nature Biotechnology, 2021, 39, 169-173.	17.5	78
21	Discrete False-Discovery Rate Improves Identification of Differentially Abundant Microbes. MSystems, 2017, 2, .	3.8	73
22	Methods for phylogenetic analysis of microbiome data. Nature Microbiology, 2018, 3, 652-661.	13.3	68
23	Uncovering the Horseshoe Effect in Microbial Analyses. MSystems, 2017, 2, .	3.8	67
24	Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. Nature Biotechnology, 2021, 39, 165-168.	17.5	61
25	Learned Embeddings from Deep Learning to Visualize and Predict Protein Sets. Current Protocols, 2021, 1, e113.	2.9	61
26	Deep metagenomics examines the oral microbiome during dental caries, revealing novel taxa and co-occurrences with host molecules. Genome Research, 2021, 31, 64-74.	5.5	59
27	Rail-RNA: scalable analysis of RNA-seq splicing and coverage. Bioinformatics, 2017, 33, 4033-4040.	4.1	57
28	Phylofactorization: a graph partitioning algorithm to identify phylogenetic scales of ecological data. Ecological Monographs, 2019, 89, e01353.	5.4	52
29	High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. MSystems, 2020, 5, .	3.8	47
30	MetaMiner: A Scalable Peptidogenomics Approach for Discovery of Ribosomal Peptide Natural Products with Blind Modifications from Microbial Communities. Cell Systems, 2019, 9, 600-608.e4.	6.2	46
31	Environmental radiation alters the gut microbiome of the bank vole *Myodes glareolus*. ISME Journal, 2018, 12, 2801-2806.	9.8	44
32	Niche partitioning of a pathogenic microbiome driven by chemical gradients. Science Advances, 2018, 4, eaau1908.	10.3	40
33	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. MSystems, 2021, 6, .	3.8	36
34	Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. Analytical Chemistry, 2017, 89, 10414-10421.	6.5	35
35	Calour: an Interactive, Microbe-Centric Analysis Tool. MSystems, 2019, 4, .	3.8	28
36	Quantifying Live Microbial Load in Human Saliva Samples over Time Reveals Stable Composition and Dynamic Load. MSystems, 2021, 6, .	3.8	19

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37	Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. MSystems, 2020, 5, .	3.8	12
38	Red Sea SAR11 and <i>Prochlorococcus</i> Single-Cell Genomes Reflect Globally Distributed Pangenomes. Applied and Environmental Microbiology, 2019, 85, .	3.1	11
39	Reply to: Examining microbeâ€"metabolite correlations by linear methods. Nature Methods, 2021, 18, 40-41.	19.0	6
40	Microbe-Metabolite Associations Linked to the Rebounding Murine Gut Microbiome Postcolonization with Vancomycin-Resistant Enterococcus faecium. MSystems, 2020, 5, .	3.8	3
41	An Elegan(t) Screen for Drug-Microbe Interactions. Cell Host and Microbe, 2017, 21, 555-556.	11.0	2
42	SCOPE++: Sequence Classification Of homoPolymer Emissions. Genomics, 2014, 104, 157-162.	2.9	0