

Austin D Swafford

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.

51
papers

6,984
citations

21
h-index

59
g-index

59
ext. papers

12,201
ext. citations

13.1
avg. IF

4.91
L-index

#	Paper	IF	Citations
51	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019 , 37, 852-857	44.5	4050
50	Best practices for analysing microbiomes. <i>Nature Reviews Microbiology</i> , 2018 , 16, 410-422	22.2	668
49	American Gut: an Open Platform for Citizen Science Microbiome Research. <i>MSystems</i> , 2018 , 3,	7.6	336
48	Thermal ablation of tumor cells with antibody-functionalized single-walled carbon nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8697-702	11.5	317
47	Microbiome analyses of blood and tissues suggest cancer diagnostic approach. <i>Nature</i> , 2020 , 579, 567-574	50.4	244
46	Qiita: rapid, web-enabled microbiome meta-analysis. <i>Nature Methods</i> , 2018 , 15, 796-798	21.6	231
45	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		138
44	Inhibition of DYRK1A and GSK3B induces human T cell proliferation. <i>Nature Communications</i> , 2015 , 6, 8372	17.4	130
43	Age- and Sex-Dependent Patterns of Gut Microbial Diversity in Human Adults. <i>MSystems</i> , 2019 , 4,	7.6	110
42	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science 2018 ,		78
41	Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020 , 38, 23-26	44.5	74
40	Impacts of the Human Gut Microbiome on Therapeutics. <i>Annual Review of Pharmacology and Toxicology</i> , 2018 , 58, 253-270	17.9	51
39	An allele of IKZF1 (Ikaros) conferring susceptibility to childhood acute lymphoblastic leukemia protects against type 1 diabetes. <i>Diabetes</i> , 2011 , 60, 1041-4	0.9	41
38	Differential Activation of Hepatic Invariant NKT Cell Subsets Plays a Key Role in Progression of Nonalcoholic Steatohepatitis. <i>Journal of Immunology</i> , 2018 , 201, 3017-3035	5.3	41
37	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		36
36	Human Skin, Oral, and Gut Microbiomes Predict Chronological Age. <i>MSystems</i> , 2020 , 5,	7.6	33
35	High-Throughput Miniaturized 16S rRNA Amplicon Library Preparation Reduces Costs while Preserving Microbiome Integrity. <i>MSystems</i> , 2018 , 3,	7.6	33

34	High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. <i>MSystems</i> , 2020 , 5,	7.6	24
33	Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. <i>Nature Biotechnology</i> , 2021 , 39, 165-168	44.5	23
32	Challenges in the construction of knowledge bases for human microbiome-disease associations. <i>Microbiome</i> , 2019 , 7, 129	16.6	22
31	Gut microbiome in Schizophrenia: Altered functional pathways related to immune modulation and atherosclerotic risk. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 245-256	16.6	17
30	Bacterial modification of the host glycosaminoglycan heparan sulfate modulates SARS-CoV-2 infectivity 2020 ,		14
29	EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. <i>MSystems</i> , 2021 , 6,	7.6	14
28	Type I IFNs and CD8 T cells increase intestinal barrier permeability after chronic viral infection. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	13
27	Detection and correction of artefacts in estimation of rare copy number variants and analysis of rare deletions in type 1 diabetes. <i>Human Molecular Genetics</i> , 2015 , 24, 1774-90	5.6	11
26	American Gut: an Open Platform for Citizen-Science Microbiome Research		11
25	MASST: A Web-based Basic Mass Spectrometry Search Tool for Molecules to Search Public Data		8
24	Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. <i>MSystems</i> , 2020 , 5,	7.6	8
23	Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. <i>Inflammatory Bowel Diseases</i> , 2021 , 27, 603-616	4.5	8
22	OGUs enable effective, phylogeny-aware analysis of even shallow metagenome community structures		7
21	Feasibility of using alternative swabs and storage solutions for paired SARS-CoV-2 detection and microbiome analysis in the hospital environment. <i>Microbiome</i> , 2021 , 9, 25	16.6	7
20	EMPress enables tree-guided, interactive, and exploratory analyses of multi-omic datasets		5
19	A comparison of DNA/RNA extraction protocols for high-throughput sequencing of microbial communities. <i>BioTechniques</i> , 2021 , 70, 149-159	2.5	5
18	Differing salivary microbiome diversity, community and diurnal rhythmicity in association with affective state and peripheral inflammation in adults. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 591-602	16.6	4
17	Reference data based insights expand understanding of human metabolomes		4

16	CD8 T cells drive anorexia, dysbiosis, and blooms of a commensal with immunosuppressive potential after viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24998-25007	11.5	4
15	The microbiome and prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2021 ,	6.2	4
14	Feasibility of using alternative swabs and storage solutions for paired SARS-CoV-2 detection and microbiome analysis in the hospital environment 2020 ,		3
13	Multi-omics profiling of Earth's biomes reveals that microbial and metabolite composition are shaped by the environment		3
12	Efficient computation of Faith's phylogenetic diversity with applications in characterizing microbiomes. <i>Genome Research</i> , 2021 , 31, 2131-2137	9.7	3
11	Phylogeny-Aware Analysis of Metagenome Community Ecology Based on Matched Reference Genomes while Bypassing Taxonomy.. <i>MSystems</i> , 2022 , e0016722	7.6	3
10	A comparison of six DNA extraction protocols for 16S, ITS and shotgun metagenomic sequencing of microbial communities. <i>BioTechniques</i> ,	2.5	3
9	Metabolome-informed microbiome analysis refines metadata classifications and reveals unexpected medication transfer in captive cheetahs		2
8	Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020 , 5,	7.6	2
7	The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients.. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022 ,	7.9	2
6	A comparison of DNA/RNA extraction protocols for high-throughput sequencing of microbial communities 2020 ,		1
5	Age and sex-dependent patterns of gut microbial diversity in human adults		1
4	Salivary bacterial signatures in depression-obesity comorbidity are associated with neurotransmitters and neuroactive dipeptides.. <i>BMC Microbiology</i> , 2022 , 22, 75	4.5	1
3	Swapping Metagenomics Preprocessing Pipeline Components Offers Speed and Sensitivity Increases.. <i>MSystems</i> , 2022 , e0137821	7.6	0
2	Multimic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. <i>Advanced Biology</i> , 2101313		0
1	Class Ib MHC-Mediated Immune Interactions Play a Critical Role in Maintaining Mucosal Homeostasis in the Mammalian Large Intestine.. <i>ImmunoHorizons</i> , 2021 , 5, 953-971	2.7	