

# Austin D Swafford

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/313743/publications.pdf>

Version: 2024-02-01

42  
papers

16,827  
citations

304368

22  
h-index

301761

39  
g-index

59  
all docs

59  
docs citations

59  
times ranked

21297  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Utilizing stability criteria in choosing feature selection methods yields reproducible results in microbiome data. <i>Biometrics</i> , 2022, 78, 1155-1167.                        | 0.8 | 4         |
| 2  | The microbiome and prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 159-164.   | 2.0 | 21        |
| 3  | Salivary bacterial signatures in depression-obesity comorbidity are associated with neurotransmitters and neuroactive dipeptides. <i>BMC Microbiology</i> , 2022, 22, 75.          | 1.3 | 8         |
| 4  | Swapping Metagenomics Preprocessing Pipeline Components Offers Speed and Sensitivity Increases. <i>MSystems</i> , 2022, 7, e0137821.   | 1.7 | 3         |
| 5  | Phylogeny-Aware Analysis of Metagenome Community Ecology Based on Matched Reference Genomes while Bypassing Taxonomy. <i>MSystems</i> , 2022, 7, e0016722.                         | 1.7 | 35        |
| 6  | The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 35-53.         | 2.3 | 10        |
| 7  | Multiomic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. <i>Advanced Biology</i> , 2022, 6, .                     | 1.4 | 4         |
| 8  | A comparison of six DNA extraction protocols for 16S, ITS and shotgun metagenomic sequencing of microbial communities. <i>BioTechniques</i> , 2022, 73, 34-46.                     | 0.8 | 25        |
| 9  | Enhancing untargeted metabolomics using metadata-based source annotation. <i>Nature Biotechnology</i> , 2022, 40, 1774-1779.   | 9.4 | 25        |
| 10 | Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 603-616.           | 0.9 | 25        |
| 11 | Gut microbiome in Schizophrenia: Altered functional pathways related to immune modulation and atherosclerotic risk. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 245-256.      | 2.0 | 44        |
| 12 | Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. <i>Nature Biotechnology</i> , 2021, 39, 165-168.   | 9.4 | 61        |
| 13 | 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. | 4.9 | 13        |
| 14 | A comparison of DNA/RNA extraction protocols for high-throughput sequencing of microbial communities. <i>BioTechniques</i> , 2021, 70, 149-159.                                    | 0.8 | 17        |
| 15 | EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. <i>MSystems</i> , 2021, 6, .   | 1.7 | 36        |
| 16 | Persons With Schizophrenia Exhibit Altered Gut Microbiome Functional Pathways Related to Immune Modulation and Cardiovascular Risk. <i>Biological Psychiatry</i> , 2021, 89, S101. | 0.7 | 0         |
| 17 | Efficient computation of Faith's phylogenetic diversity with applications in characterizing microbiomes. <i>Genome Research</i> , 2021, 31, 2131-2137.                             | 2.4 | 16        |
| 18 | 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.      | 0.8 | 0         |

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|----|---|------|-----------|
| 19 | Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020, 38, 23-26.  | 9.4  | 160       |
| 20 | 48: Oral probiotic versus placebo and the maternal microbiome during pregnancy: A randomized controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, S41-S42.   | 0.7  | 0         |
| 21 | Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020, 5, .  | 1.7  | 9         |
| 22 | Reduced Independence in Daily Living Is Associated with the Gut Microbiome in People with HIV and HCV. <i>MSystems</i> , 2020, 5, .   | 1.7  | 1         |
| 23 | Type I IFNs and CD8 T cells increase intestinal barrier permeability after chronic viral infection. <i>Journal of Experimental Medicine</i> , 2020, 217, .  | 4.2  | 28        |
| 24 | 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. | 3.3  | 10        |
| 25 | Microbiome analyses of blood and tissues suggest cancer diagnostic approach. <i>Nature</i> , 2020, 579, 567-574.  | 13.7 | 691       |
| 26 | High-Resolution Longitudinal Dynamics of the Cystic Fibrosis Sputum Microbiome and Metabolome through Antibiotic Therapy. <i>MSystems</i> , 2020, 5, .  | 1.7  | 47        |
| 27 | Human Skin, Oral, and Gut Microbiomes Predict Chronological Age. <i>MSystems</i> , 2020, 5, .   | 1.7  | 80        |
| 28 | 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.                           | 2.0  | 11        |
| 29 | Metabolome-Informed Microbiome Analysis Refines Metadata Classifications and Reveals Unexpected Medication Transfer in Captive Cheetahs. <i>MSystems</i> , 2020, 5, .   | 1.7  | 12        |
| 30 | Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019, 37, 852-857.  | 9.4  | 11,167    |
| 31 | Challenges in the construction of knowledge bases for human microbiome-disease associations. <i>Microbiome</i> , 2019, 7, 129.  | 4.9  | 36        |
| 32 | Age- and Sex-Dependent Patterns of Gut Microbial Diversity in Human Adults. <i>MSystems</i> , 2019, 4, .  | 1.7  | 214       |
| 33 | Impacts of the Human Gut Microbiome on Therapeutics. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 253-270.   | 4.2  | 74        |
| 34 | High-Throughput Miniaturized 16S rRNA Amplicon Library Preparation Reduces Costs while Preserving Microbiome Integrity. <i>MSystems</i> , 2018, 3, .  | 1.7  | 58        |
| 35 | Qiita: rapid, web-enabled microbiome meta-analysis. <i>Nature Methods</i> , 2018, 15, 796-798.  | 9.0  | 459       |
| 36 | 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.   | 0.4  | 69        |

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|----|---|------|-----------|
| 37 | American Gut: an Open Platform for Citizen Science Microbiome Research. MSystems, 2018, 3, .  | 1.7  | 604       |
| 38 | Best practices for analysing microbiomes. Nature Reviews Microbiology, 2018, 16, 410-422.   | 13.6 | 1,138     |
| 39 | Detection and correction of artefacts in estimation of rare copy number variants and analysis of rare deletions in type 1 diabetes. Human Molecular Genetics, 2015, 24, 1774-1790.                  | 1.4  | 20        |
| 40 | Inhibition of DYRK1A and GSK3B induces human Î²-cell proliferation. Nature Communications, 2015, 6, 8372.   | 5.8  | 164       |
| 41 | An Allele of IKZF1 (Ikaros) Conferring Susceptibility to Childhood Acute Lymphoblastic Leukemia Protects Against Type 1 Diabetes. Diabetes, 2011, 60, 1041-1044.                                    | 0.3  | 50        |
| 42 | Thermal ablation of tumor cells with antibody-functionalized single-walled carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8697-8702. | 3.3  | 357       |