

Kyle Bittinger

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.

94
papers

38,131
citations

38
h-index

103
g-index

103
ext. papers

51,793
ext. citations

11.1
avg, IF

6.35
L-index

#	Paper	IF	Citations
94	QIIME allows analysis of high-throughput community sequencing data. <i>Nature Methods</i> , 2010 , 7, 335-6	21.6	22879
93	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019 , 37, 852-857	44.5	4050
92	Linking long-term dietary patterns with gut microbial enterotypes. <i>Science</i> , 2011 , 334, 105-8	33.3	3898
91	Normalization and microbial differential abundance strategies depend upon data characteristics. <i>Microbiome</i> , 2017 , 5, 27	16.6	840
90	Topographical continuity of bacterial populations in the healthy human respiratory tract. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 957-63	10.2	693
89	Association Between Breast Milk Bacterial Communities and Establishment and Development of the Infant Gut Microbiome. <i>JAMA Pediatrics</i> , 2017 , 171, 647-654	8.3	466
88	Correlation between intraluminal oxygen gradient and radial partitioning of intestinal microbiota. <i>Gastroenterology</i> , 2014 , 147, 1055-63.e8	13.3	464
87	Inflammation, Antibiotics, and Diet as Environmental Stressors of the Gut Microbiome in Pediatric Crohn's Disease. <i>Cell Host and Microbe</i> , 2015 , 18, 489-500	23.4	446
86	Comparison of placenta samples with contamination controls does not provide evidence for a distinct placenta microbiota. <i>Microbiome</i> , 2016 , 4, 29	16.6	326
85	Comparative metabolomics in vegans and omnivores reveal constraints on diet-dependent gut microbiota metabolite production. <i>Gut</i> , 2016 , 65, 63-72	19.2	307
84	Sampling and pyrosequencing methods for characterizing bacterial communities in the human gut using 16S sequence tags. <i>BMC Microbiology</i> , 2010 , 10, 206	4.5	283
83	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017 , 5, 52	16.6	273
82	Disordered microbial communities in the upper respiratory tract of cigarette smokers. <i>PLoS ONE</i> , 2010 , 5, e15216	3.7	262
81	Coinfection. Virus-helminth coinfection reveals a microbiota-independent mechanism of immunomodulation. <i>Science</i> , 2014 , 345, 578-82	33.3	195
80	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , 2015 , 31, 2461-8	7.2	193
79	Fungi of the murine gut: episodic variation and proliferation during antibiotic treatment. <i>PLoS ONE</i> , 2013 , 8, e71806	3.7	143
78	Lack of detection of a human placenta microbiome in samples from preterm and term deliveries. <i>Microbiome</i> , 2018 , 6, 196	16.6	142

77	Diabetes Enhances IL-17 Expression and Alters the Oral Microbiome to Increase Its Pathogenicity. <i>Cell Host and Microbe</i> , 2017 , 22, 120-128.e4	23.4	140
76	Fungal Signature in the Gut Microbiota of Pediatric Patients With Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 1948-56	4.5	131
75	Dysbiosis-Induced Secondary Bile Acid Deficiency Promotes Intestinal Inflammation. <i>Cell Host and Microbe</i> , 2020 , 27, 659-670.e5	23.4	128
74	Microbes vs. chemistry in the origin of the anaerobic gut lumen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4170-4175	11.5	100
73	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , 2016 , 4, 7	16.6	100
72	A role for bacterial urease in gut dysbiosis and Crohn's disease. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	92
71	The stepwise assembly of the neonatal virome is modulated by breastfeeding. <i>Nature</i> , 2020 , 581, 470-474	36.4	80
70	Dietary Patterns and Growth From 12 to 24 Months of Age in African American Infants. <i>Current Developments in Nutrition</i> , 2021 , 5, 454-454	0.4	78
69	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , 2014 , 15, 487	18.3	76
68	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2020 , 130, 466-479	15.9	74
67	Gut microbiota modulates adoptive cell therapy via CD8 ⁺ dendritic cells and IL-12. <i>JCI Insight</i> , 2018 , 3,	9.9	70
66	Antigen-presenting ILC3 regulate T cell-dependent IgA responses to colonic mucosal bacteria. <i>Journal of Experimental Medicine</i> , 2019 , 216, 728-742	16.6	68
65	Sunbeam: an extensible pipeline for analyzing metagenomic sequencing experiments. <i>Microbiome</i> , 2019 , 7, 46	16.6	65
64	Bidirectional interactions between indomethacin and the murine intestinal microbiota. <i>ELife</i> , 2015 , 4, e08973	8.9	60
63	Segmented Filamentous Bacteria Prevent and Cure Rotavirus Infection. <i>Cell</i> , 2019 , 179, 644-658.e13	56.2	57
62	FXR-Dependent Modulation of the Human Small Intestinal Microbiome by the Bile Acid Derivative Obeticholic Acid. <i>Gastroenterology</i> , 2018 , 155, 1741-1752.e5	13.3	54
61	Host mitochondria influence gut microbiome diversity: A role for ROS. <i>Science Signaling</i> , 2019 , 12,	8.8	49
60	Protective major histocompatibility complex allele prevents type 1 diabetes by shaping the intestinal microbiota early in ontogeny. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9671-9676	11.5	48

59	INSPIRED: A Pipeline for Quantitative Analysis of Sites of New DNA Integration in Cellular Genomes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 4, 39-49	6.4	42
58	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 225-234	10.2	39
57	Bacterial colonization reprograms the neonatal gut metabolome. <i>Nature Microbiology</i> , 2020 , 5, 838-847	26.6	37
56	INSPIRED: Quantification and Visualization Tools for Analyzing Integration Site Distributions. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 4, 17-26	6.4	36
55	QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science		36
54	Cervicovaginal Fungi and Bacteria Associated With Cervical Intraepithelial Neoplasia and High-Risk Human Papillomavirus Infections in a Hispanic Population. <i>Frontiers in Microbiology</i> , 2018 , 9, 2533	5.7	33
53	Role of dietary fiber in the recovery of the human gut microbiome and its metabolome. <i>Cell Host and Microbe</i> , 2021 , 29, 394-407.e5	23.4	32
52	Establishing a mucosal gut microbial community in vitro using an artificial simulator. <i>PLoS ONE</i> , 2018 , 13, e0197692	3.7	30
51	Alterations of the Subgingival Microbiota in Pediatric Crohn's Disease Studied Longitudinally in Discovery and Validation Cohorts. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 2797-805	4.5	25
50	Distinct cellular roles for PDCD10 define a gut-brain axis in cerebral cavernous malformation. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	25
49	Characterisation of the nasal microbiota in granulomatosis with polyangiitis. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1448-1453	2.4	23
48	Microbiota-dependent signals are required to sustain TLR-mediated immune responses. <i>JCI Insight</i> , 2019 , 4,	9.9	21
47	Lifestyle and the presence of helminths is associated with gut microbiome composition in Cameroonians. <i>Genome Biology</i> , 2020 , 21, 122	18.3	21
46	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , 2021 , 12, e0177721	7.8	21
45	Dynamics of the Stool Virome in Very Early-Onset Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2020 , 14, 1600-1610	1.5	20
44	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , 2018 , 9,	7.8	20
43	Multi-omic Analysis of the Interaction between <i>Clostridioides difficile</i> Infection and Pediatric Inflammatory Bowel Disease. <i>Cell Host and Microbe</i> , 2020 , 28, 422-433.e7	23.4	20
42	A Randomized Trial Comparing the Specific Carbohydrate Diet to a Mediterranean Diet in Adults With Crohn's Disease. <i>Gastroenterology</i> , 2021 , 161, 837-852.e9	13.3	19

41	Host immunity modulates the efficacy of microbiota transplantation for treatment of <i>Clostridioides difficile</i> infection. <i>Nature Communications</i> , 2021 , 12, 755	17.4	16
40	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019 , 40, 171-177	2	15
39	Dietary Regulation of the Gut Microbiota Engineered by a Minimal Defined Bacterial Consortium. <i>PLoS ONE</i> , 2016 , 11, e0155620	3.7	12
38	Perturbations of the Gut Microbiome and Metabolome in Children with Calcium Oxalate Kidney Stone Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 1358-1369	12.7	11
37	Sialylation and fucosylation modulate inflammasome-activating eIF2 Signaling and microbial translocation during HIV infection. <i>Mucosal Immunology</i> , 2020 , 13, 753-766	9.2	11
36	Upper Respiratory Dysbiosis with a Facultative-dominated Ecotype in Advanced Lung Disease and Dynamic Change after Lung Transplant. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 1383-1391	4.7	10
35	Impact of Steviol Glycosides and Erythritol on the Human and Gut Microbiome. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13093-13101	5.7	10
34	Microbiome changes in young periodontitis patients treated with adjunctive metronidazole and amoxicillin. <i>Journal of Periodontology</i> , 2021 , 92, 467-478	4.6	9
33	Permissive microbiome characterizes human subjects with a neurovascular disease cavernous angioma. <i>Nature Communications</i> , 2020 , 11, 2659	17.4	8
32	Polymicrobial Aggregates in Human Saliva Build the Oral Biofilm.. <i>MBio</i> , 2022 , e0013122	7.8	7
31	Effects of library size variance, sparsity, and compositionality on the analysis of microbiome data		5
30	Excess dietary fructose does not alter gut microbiota or permeability in humans: A pilot randomized controlled study. <i>Journal of Clinical and Translational Science</i> , 2021 , 5, e143	0.4	5
29	Dynamic Changes in the Nasal Microbiome Associated With Disease Activity in Patients With Granulomatosis With Polyangiitis. <i>Arthritis and Rheumatology</i> , 2021 , 73, 1703-1712	9.5	5
28	Metagenomic assessment of the <i>Cebus apella</i> gut microbiota. <i>American Journal of Primatology</i> , 2019 , 81, e23023	2.5	3
27	Applying Advanced In Vitro Culturing Technology to Study the Human Gut Microbiota. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
26	The Mucosally-Adherent Rectal Microbiota Contains Features Unique to Alcohol-Related Cirrhosis. <i>Gut Microbes</i> , 2021 , 13, 1987781	8.8	3
25	Sunbeam: an extensible pipeline for analyzing metagenomic sequencing experiments		3
24	Metabolic Analysis of Regionally Distinct Gut Microbial Communities Using an Platform. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13056-13067	5.7	3

23	Signatures of COVID-19 severity and immune response in the respiratory tract microbiome 2021 ,		3
22	Effect of topical swallowed steroids on the bacterial and fungal esophageal microbiota in eosinophilic esophagitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1549-1552 ³		3
21	Impact of the repurposed drug thonzonium bromide on host oral-gut microbiomes. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 7	8.2	3
20	Triclosan has a robust, yet reversible impact on human gut microbial composition in vitro. <i>PLoS ONE</i> , 2020 , 15, e0234046	3.7	2
19	Investigating hospital Mycobacterium chelonae infection using whole genome sequencing and hybrid assembly. <i>PLoS ONE</i> , 2020 , 15, e0236533	3.7	2
18	The impact of cyclooxygenase-2 selective and non-isoform selective NSAIDs on the gut microbiota. <i>FASEB Journal</i> , 2019 , 33, 516.1	0.9	2
17	Gut Microbiome Changes Associated with Epithelial Barrier Damage and Systemic Inflammation during Antiretroviral Therapy of Chronic SIV Infection. <i>Viruses</i> , 2021 , 13,	6.2	2
16	Understanding the Gut Microbiota in Pediatric Patients with Alopecia Areata and their Siblings: A Pilot Study.. <i>JID Innovations</i> , 2021 , 1, 100051		2
15	Effects of prebiotics, probiotics, and synbiotics on the infant gut microbiota and other health outcomes: A systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 1-23	11.5	1
14	Excess Dietary Fructose Does Not Alter Gut Microbiota or Permeability in Humans: A Randomized Controlled Pilot Study		1
13	Decreased Intestinal Microbiome Diversity in Pediatric Sepsis: A Conceptual Framework for Intestinal Dysbiosis to Influence Immunometabolic Function 2021 , 3, e0360		1
12	Insights into the skin microbiome of sickle cell disease leg ulcers. <i>Wound Repair and Regeneration</i> , 2021 , 29, 801-809	3.6	1
11	Pediatric Patients with Immune Thrombocytopenic Purpura Have a Dysbiotic Gut Microbiome at Time of Diagnosis. <i>Blood</i> , 2021 , 138, 3169-3169	2.2	0
10	Comparative analysis of the gut microbiota cultured in vitro using a single colon versus a 3-stage colon experimental design. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 3353-3367	5.7	0
9	Gut Microbiome Profile After Pancreatectomy in Infants With Congenital Hyperinsulinism. <i>Pancreas</i> , 2021 , 50, 89-92	2.6	0
8	4444 The effect of early life antibiotics on gut microbiome and fecal bile acid concentrations in children. <i>Journal of Clinical and Translational Science</i> , 2020 , 4, 146-147	0.4	
7	Effects of gut microbiome modulation on alpha/beta diversity, persistent pain-depressed behaviors and inflammation in female Fisher rats with or without voluntary access to running wheels. <i>FASEB Journal</i> , 2019 , 33, 516.2	0.9	
6	Effects of Vancomycin on Persistent Pain-Stimulated and Pain-Depressed Behaviors in Female Fischer Rats With or Without Voluntary Access to Running Wheels. <i>Journal of Pain</i> , 2021 , 22, 1530-1544 ^{5.2}		

- 5 The Impact of Introducing Patient-Reported Inflammatory Bowel Disease Symptoms via Electronic Survey on Clinic Visit Length, Patient and Provider Satisfaction, and the Environment Microbiome. *Inflammatory Bowel Diseases*, **2021**, 27, 746-750 4.5
- 4 Investigating hospital *Mycobacterium chelonae* infection using whole genome sequencing and hybrid assembly **2020**, 15, e0236533
- 3 Investigating hospital *Mycobacterium chelonae* infection using whole genome sequencing and hybrid assembly **2020**, 15, e0236533
- 2 Investigating hospital *Mycobacterium chelonae* infection using whole genome sequencing and hybrid assembly **2020**, 15, e0236533
- 1 Investigating hospital *Mycobacterium chelonae* infection using whole genome sequencing and hybrid assembly **2020**, 15, e0236533