

# Katrine L Whiteson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4992360/katrine-l-whiteson-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

3,369

citations

24

h-index

58

g-index

75

ext. papers

4,340

ext. citations

7.7

avg, IF

5.06

L-index

#	Paper	IF	Citations
62	Mechanisms of site-specific recombination. <i>Annual Review of Biochemistry</i> , <b>2006</b> , 75, 567-605	29.1	581
61	Bacteriophage adhering to mucus provide a non-host-derived immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 10771-6	11.5	536
60	Going viral: next-generation sequencing applied to phage populations in the human gut. <i>Nature Reviews Microbiology</i> , <b>2012</b> , 10, 607-17	22.2	302
59	Metagenomic study of the oral microbiota by Illumina high-throughput sequencing. <i>Journal of Microbiological Methods</i> , <b>2009</b> , 79, 266-71	2.8	248
58	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , <b>2019</b> , 37, 29-37	44.5	180
57	Study of inter- and intra-individual variations in the salivary microbiota. <i>BMC Genomics</i> , <b>2010</b> , 11, 523	4.5	167
56	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , <b>2019</b> , 4, 1727-1736	26.6	100
55	Breath gas metabolites and bacterial metagenomes from cystic fibrosis airways indicate active pH neutral 2,3-butanedione fermentation. <i>ISME Journal</i> , <b>2014</b> , 8, 1247-58	11.9	92
54	Biogeochemical forces shape the composition and physiology of polymicrobial communities in the cystic fibrosis lung. <i>MBio</i> , <b>2014</b> , 5, e00956-13	7.8	81
53	The Cancer Microbiome: Distinguishing Direct and Indirect Effects Requires a Systemic View. <i>Trends in Cancer</i> , <b>2020</b> , 6, 192-204	12.5	79
52	The CodY pleiotropic repressor controls virulence in gram-positive pathogens. <i>FEMS Immunology and Medical Microbiology</i> , <b>2011</b> , 62, 123-39		78
51	The Microbiome and Metabolome of Preterm Infant Stool Are Personalized and Not Driven by Health Outcomes, Including Necrotizing Enterocolitis and Late-Onset Sepsis. <i>MSphere</i> , <b>2018</b> , 3,	5	71
50	The upper respiratory tract as a microbial source for pulmonary infections in cystic fibrosis. Parallels from island biogeography. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 1309-15	10.2	71
49	Microbial, host and xenobiotic diversity in the cystic fibrosis sputum metabolome. <i>ISME Journal</i> , <b>2016</b> , 10, 1483-98	11.9	68
48	Ecological networking of cystic fibrosis lung infections. <i>Npj Biofilms and Microbiomes</i> , <b>2016</b> , 2, 4	8.2	52
47	Bacterial diversity in oral samples of children in niger with acute noma, acute necrotizing gingivitis, and healthy controls. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1556	4.8	52
46	Analysis of the salivary microbiome using culture-independent techniques. <i>Journal of Clinical Bioinformatics</i> , <b>2012</b> , 2, 4		45

45	A Winogradsky-based culture system shows an association between microbial fermentation and cystic fibrosis exacerbation. <i>ISME Journal</i> , <b>2015</b> , 9, 1024-38	11.9	43
44	Gut microbial and metabolomic profiles after fecal microbiota transplantation in pediatric ulcerative colitis patients. <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	41
43	Mechanistic model of <i>Rothia mucilaginosa</i> adaptation toward persistence in the CF lung, based on a genome reconstructed from metagenomic data. <i>PLoS ONE</i> , <b>2013</b> , 8, e64285	3.7	38
42	Metabolomics of pulmonary exacerbations reveals the personalized nature of cystic fibrosis disease. <i>PeerJ</i> , <b>2016</b> , 4, e2174	3.1	38
41	Longitudinal Monitoring of Biofilm Formation via Robust Surface-Enhanced Raman Scattering Quantification of <i>Pseudomonas aeruginosa</i> -Produced Metabolites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12364-12373	9.5	36
40	PQS Produced by the <i>Pseudomonas aeruginosa</i> Stress Response Repels Swarms Away from Bacteriophage and Antibiotics. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	25
39	Identification of a potential general acid/base in the reversible phosphoryl transfer reactions catalyzed by tyrosine recombinases: Flp H305. <i>Chemistry and Biology</i> , <b>2007</b> , 14, 121-9		24
38	The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 367, 452-460	4.7	24
37	Tracking Polymicrobial Metabolism in Cystic Fibrosis Airways: Metabolism and Physiology Are Influenced by -Derived Metabolites. <i>MSphere</i> , <b>2018</b> , 3,	5	22
36	Predictable Molecular Adaptation of Coevolving and Lytic Phage Efv12-phi1. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3192	5.7	22
35	Maturation of the infant rhesus macaque gut microbiome and its role in the development of diarrheal disease. <i>Genome Biology</i> , <b>2019</b> , 20, 173	18.3	19
34	High-Fiber, Whole-Food Dietary Intervention Alters the Human Gut Microbiome but Not Fecal Short-Chain Fatty Acids. <i>MSystems</i> , <b>2021</b> , 6,	7.6	19
33	Bacteria in the airways of patients with cystic fibrosis are genetically capable of producing VOCs in breath. <i>Journal of Breath Research</i> , <b>2016</b> , 10, 047103	3.1	17
32	Fermentation products in the cystic fibrosis airways induce aggregation and dormancy-associated expression profiles in a CF clinical isolate of <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	14
31	Stable isotope profiles reveal active production of VOCs from human-associated microbes. <i>Journal of Breath Research</i> , <b>2017</b> , 11, 017101	3.1	13
30	Noma affected children from Niger have distinct oral microbial communities based on high-throughput sequencing of 16S rRNA gene fragments. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3240	4.8	12
29	Cervicovaginal Microbiome Composition Is Associated with Metabolic Profiles in Healthy Pregnancy. <i>MBio</i> , <b>2020</b> , 11,	7.8	12
28	Making It Last: Storage Time and Temperature Have Differential Impacts on Metabolite Profiles of Airway Samples from Cystic Fibrosis Patients. <i>MSystems</i> , <b>2017</b> , 2,	7.6	10

27	The salivary microbiome, assessed by a high-throughput and culture-independent approach. <i>Journal of Integrated OMICS</i> , <b>2011</b> , 1,	0.5	10
26	Binding and catalytic contributions to site recognition by flp recombinase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 11414-23	5.4	10
25	Lumacaftor/ivacaftor changes the lung microbiome and metabolome in cystic fibrosis patients. <i>ERJ Open Research</i> , <b>2021</b> , 7,	3.5	9
24	The emergence of microbiome centres. <i>Nature Microbiology</i> , <b>2020</b> , 5, 2-3	26.6	7
23	Cystic Fibrosis-Associated <i>Stenotrophomonas maltophilia</i> Strain-Specific Adaptations and Responses to pH. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	7
22	Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. <i>MBio</i> , <b>2021</b> , 12, e0176321	7.8	7
21	Longitudinal Associations of the Cystic Fibrosis Airway Microbiome and Volatile Metabolites: A Case Study. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 174	5.9	6
20	RNA Viromics of Southern California Wastewater and Detection of SARS-CoV-2 Single-Nucleotide Variants. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87, e0144821	4.8	6
19	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage		5
18	Getting Our Fingers on the Pulse of Slow-Growing Bacteria in Hard-To-Reach Places. <i>Journal of Bacteriology</i> , <b>2018</b> , 200,	3.5	5
17	Solutions in microbiome engineering: prioritizing barriers to organism establishment. <i>ISME Journal</i> , <b>2021</b> ,	11.9	5
16	Fiber Force: A Fiber Diet Intervention in an Advanced Course-Based Undergraduate Research Experience (CURE) Course. <i>Journal of Microbiology and Biology Education</i> , <b>2020</b> , 21,	1.3	4
15	A genomic perspective on a new bacterial genus and species from the Alcaligenaceae family, <i>Basilea psittacipulmonis</i> . <i>BMC Genomics</i> , <b>2014</b> , 15, 169	4.5	4
14	Infant gut microbial colonization and health: recent findings from metagenomics studies. <i>Journal of Integrated OMICS</i> , <b>2012</b> , 2,	0.5	4
13	Metagenomics of Wastewater Influent from Southern California Wastewater Treatment Facilities in the Era of COVID-19. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	4
12	Comparing Stable Isotope Enrichment by Gas Chromatography with Time-of-Flight, Quadrupole Time-of-Flight, and Quadrupole Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2174-2182	7.8	3
11	Investigating the Role of the Gut Microbiome in the Inflammatory State of Myeloproliferative Neoplasms. <i>Blood</i> , <b>2018</b> , 132, 3051-3051	2.2	2
10	Cervicovaginal microbiome composition drives metabolic profiles in healthy pregnancy		2

9	Fecal Microbiota Transplantation for the Treatment of Refractory Recurrent Urinary Tract Infection. <i>Obstetrics and Gynecology</i> , <b>2020</b> , 136, 771-773	4.9	2
8	Liquid Chromatography Mass Spectrometry Detection of Antibiotic Agents in Sputum from Persons with Cystic Fibrosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	2
7	Phage Cocktails can Prevent the Evolution of Phage-Resistant Enterococcus		2
6	Vive la Persistence: Engineering Human Microbiomes in the 21st Century. <i>MSystems</i> , <b>2018</b> , 3,	7.6	1
5	Saliva as a Window into the Human Oral Microbiome and Metabolome <b>2020</b> , 139-155		1
4	Integrating Virus Monitoring Strategies for Safe Non-Potable Water Reuse. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1187	3	1
3	Fecal Microbial Community Composition in Myeloproliferative Neoplasm Patients Is Associated with an Inflammatory State.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0003222	8.9	1
2	Conceptual Exchanges for Understanding Free-Living and Host-Associated Microbiomes.. <i>MSystems</i> , <b>2022</b> , e0137421	7.6	0
1	Thriving Under Stress: Outcompetes the Background Polymicrobial Community Under Treatment Conditions in a Novel Chronic Wound Model. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 569685	5.9	0