Scott Olesen

List of Publications by Citations

46 papers	1,277 citations	14 h-index	35 g-index
60 ext. papers	1,884 ext. citations	10.7 avg, IF	4.81 L-index

#	Paper	IF	Citations
46	Salt-responsive gut commensal modulates T17 axis and disease. *Nature*, **2017**, 551, 585-589	50.4	553
45	Natural bacterial communities serve as quantitative geochemical biosensors. *MBio*, **2015**, 6, e00326-15	7.8	113
44	Estimating the proportion of bystander selection for antibiotic resistance among potentially pathogenic bacterial flora. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E11988-E11995	11.5	76
43	The distribution of antibiotic use and its association with antibiotic resistance. *ELife*, **2018**, 7,	8.9	69
42	Dysbiosis is not an answer. *Nature Microbiology*, **2016**, 1, 16228	26.6	66
41	Viral dynamics of acute SARS-CoV-2 infection and applications to diagnostic and public health strategies. *PLoS Biology*, **2021**, 19, e3001333	9.7	40
40	Trends in outpatient antibiotic use and prescribing practice among US older adults, 2011-15: observational study. *BMJ, The*, **2018**, 362, k3155	5.9	38
39	Azithromycin Susceptibility Among Neisseria gonorrhoeae Isolates and Seasonal Macrolide Use. *Journal of Infectious Diseases*, **2019**, 219, 619-623	7	26
38	Dynamics of microbial populations mediating biogeochemical cycling in a freshwater lake. *Microbiome*, **2018**, 6, 165	16.6	26
37	Single molecules reveal the dynamics of heterogeneities in a polymer at the glass transition. *Journal of Chemical Physics*, **2011**, 134, 024513	3.9	25
36	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. *Nature Microbiology*, **2016**, 1, 16130	26.6	24
35	Shiga Toxin-Producing Escherichia coli Transmission via Fecal Microbiota Transplant. *Clinical Infectious Diseases*, **2021**, 72, e876-e880	11.6	20
34	Searching for superstool: maximizing the therapeutic potential of FMT. *Nature Reviews Gastroenterology and Hepatology*, **2018**, 15, 387-388	24.2	16
33	Oil Hydrocarbon Degradation by Caspian Sea Microbial Communities. *Frontiers in Microbiology*, **2019**, 10, 995	5.7	15
32	A left-handed building block self-assembles into right- and left-handed helices. *RSC Advances*, **2013**, 3, 12905	3.7	14
31	dbOTU3: A new implementation of distribution-based OTU calling. *PLoS ONE*, **2017**, 12, e0176335	3.7	13
30	Global disparities in faecal microbiota transplantation research. *The Lancet Gastroenterology and Hepatology*, **2020**, 5, 241	18.8	12

29	Designing fecal microbiota transplant trials that account for differences in donor stool efficacy. *Statistical Methods in Medical Research*, **2018**, 27, 2906-2917	2.3	12
28	Racial/Ethnic Disparities in Antimicrobial Drug Use, United States, 2014-2015. *Emerging Infectious Diseases*, **2018**, 24, 2126-2128	10.2	12
27	Outpatient Antibiotic Prescribing in Massachusetts, 2011-2015. *Open Forum Infectious Diseases*, **2019**, 6, ofz169	1	11
26	Stool Banking for Fecal Microbiota Transplantation: Methods and Operations at a Large Stool Bank. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 622949	5.9	11
25	Making waves: Defining the lead time of wastewater-based epidemiology for COVID-19. *Water Research*, **2021**, 202, 117433	12.5	11
24	Case-based surveillance of antimicrobial resistance with full susceptibility profiles. *JAC-Antimicrobial Resistance*, **2019**, 1, dlz070	2.9	10
23	The role of "spillover" in antibiotic resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29063-29068	11.5	9
22	Re-Evaluating the Evidence for Faecal Microbiota Transplantation &Super-Donorsain Inflammatory Bowel Disease. *Journal of Crohnıs and Colitis*, **2021**, 15, 453-461	1.5	6
21	Multidrug-resistant Neisseria gonorrhoeae: implications for future treatment strategies. *Lancet Infectious Diseases, The*, **2018**, 18, 599	25.5	6
20	Wastewater network infrastructure in public health: Applications and learnings from the COVID-19 pandemic.. *PLOS Global Public Health*, **2021**, 1, e0000061		5
19	A Novel Analysis Method for Paired-Sample Microbial Ecology Experiments. *PLoS ONE*, **2016**, 11, e0154804	3.7	5
18	Stool banking for fecal microbiota transplantation: methods and operations at a large stool bank		3
17	Modeling Donor Screening Strategies to Reduce the Risk of Severe Acute Respiratory Syndrome Coronavirus 2 Transmission via Fecal Microbiota Transplantation. *Open Forum Infectious Diseases*, **2020**, 7, ofaa499	1	3
16	Fecal Microbiota Transplantation "Donor Effects" Are Not Clinically Relevant for Clostridioides difficile Infection. *Gastroenterology*, **2021**, 160, 2635-2636	13.3	3
15	Levels of outpatient prescribing for four major antibiotic classes and rates of septicemia hospitalization in adults in different US states - a statistical analysis. *BMC Public Health*, **2019**, 19, 1138	4.1	2
14	Estimating the proportion of bystander selection for antibiotic resistance in the US		2
13	Nationwide trends in COVID-19 cases and SARS-CoV-2 wastewater concentrations in the United States		2
12	Cumulative Probability of Receiving an Antibiotic Prescription over Time. *New England Journal of Medicine*, **2019**, 380, 1872-1873	59.2	1

11	16S rRNA sequencing analysis: the devil is in the details. *Gut Microbes*, **2020**, 11, 1139-1142	8.8	1
10	The distribution of antibiotic use and its association with antibiotic resistance		1
9	Response to comment on aThe distribution of antibiotic use and its association with antibiotic resistancea *ELife*, **2019**, 8,	8.9	1
8	Power calculations for detecting differences in efficacy of fecal microbiota donors. *Contemporary Clinical Trials Communications*, **2020**, 20, 100674	1.8	1
7	Morphological analysis of chiral rod clusters from a coarse-grained single-site chiral potential. *Soft Matter*, **2019**, 15, 8147-8155	3.6	1
6	Pilot study of autologous fecal microbiota transplants in nursing home residents: Feasibility and safety.. *Contemporary Clinical Trials Communications*, **2022**, 27, 100906	1.8	1
5	Fecal Microbiota Transplants Annually and Their Positive Clinical Impact. *Clinical and Translational Gastroenterology*, **2020**, 11, e00247	4.2	0
4	Analysis of multiple bacterial species and antibiotic classes reveals large variation in the association between seasonal antibiotic use and resistance.. *PLoS Biology*, **2022**, 20, e3001579	9.7	0
3	Infectious Disease Modeling: Recommendations for Public Health Decision-Makers. *Disaster Medicine and Public Health Preparedness*,1-3	2.8	0
2	16S rRNA sequencing of samples from universal stool bank donors. *BMC Research Notes*, **2021**, 14, 108	2.3	
1	Carriage rates of multidrug-resistant organisms among prospective stool donors. *Lancet Infectious Diseases, The*, **2021**, 21, 454-455	25.5	