Scott Olesen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/191459/publications.pdf

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45 papers	2,289 citations	471061 17 h-index	264894 42 g-index
60 all docs	60 docs citations	60 times ranked	4021 citing authors

#	Article	IF	Citations
1	Salt-responsive gut commensal modulates TH17 axis and disease. Nature, 2017, 551, 585-589.	13.7	896
2	Natural Bacterial Communities Serve as Quantitative Geochemical Biosensors. MBio, 2015, 6, e00326-15.	1.8	173
3	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.	3.3	141
4	Viral dynamics of acute SARS-CoV-2 infection and applications to diagnostic and public health strategies. PLoS Biology, 2021, 19, e3001333.	2.6	133
5	The distribution of antibiotic use and its association with antibiotic resistance. ELife, 2018, 7, .	2.8	132
6	Dysbiosis is not an answer. Nature Microbiology, 2016, 1, 16228.	5.9	97
7	Making waves: Defining the lead time of wastewater-based epidemiology for COVID-19. Water Research, 2021, 202, 117433.	5.3	85
8	Trends in outpatient antibiotic use and prescribing practice among US older adults, 2011-15: observational study. BMJ: British Medical Journal, 2018, 362, k3155.	2.4	58
9	Shiga Toxinâ€“Producing Escherichia coli Transmission via Fecal Microbiota Transplant. Clinical Infectious Diseases, 2021, 72, e876-e880.	2.9	56
10	Azithromycin Susceptibility AmongNeisseria gonorrhoeaeIsolates and Seasonal Macrolide Use. Journal of Infectious Diseases, 2019, 219, 619-623.	1.9	41
11	Dynamics of microbial populations mediating biogeochemical cycling in a freshwater lake. Microbiome, 2018, 6, 165.	4.9	40
12	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. Nature Microbiology, 2016, 1, 16130.	5.9	33
13	Oil Hydrocarbon Degradation by Caspian Sea Microbial Communities. Frontiers in Microbiology, 2019, 10, 995.	1.5	29
14	Single molecules reveal the dynamics of heterogeneities in a polymer at the glass transition. Journal of Chemical Physics, 2011, 134, 024513.	1.2	27
15	The role of â€œspilloverâ€•in antibiotic resistance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29063-29068.	3.3	27
16	Racial/Ethnic Disparities in Antimicrobial Drug Use, United States, 2014â€“2015. Emerging Infectious Diseases, 2018, 24, 2126-2128.	2.0	26
17	dbOTU3: A new implementation of distribution-based OTU calling. PLoS ONE, 2017, 12, e0176335.	1.1	24
18	Wastewater network infrastructure in public health: Applications and learnings from the COVID-19 pandemic. PLOS Global Public Health, 2021, 1, e0000061.	0.5	23

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19	Searching for superstool: maximizing the therapeutic potential of FMT. Nature Reviews Gastroenterology and Hepatology, 2018, 15, 387-388.	8.2	22
20	Global disparities in faecal microbiota transplantation research. The Lancet Gastroenterology and Hepatology, 2020, 5, 241.	3.7	21
21	Stool Banking for Fecal Microbiota Transplantation: Methods and Operations at a Large Stool Bank. Frontiers in Cellular and Infection Microbiology, 2021, 11, 622949.	1.8	21
22	Case-based surveillance of antimicrobial resistance with full susceptibility profiles. JAC-Antimicrobial Resistance, 2019, 1, dlz070.	0.9	19
23	Outpatient Antibiotic Prescribing in Massachusetts, 2011â€“2015. Open Forum Infectious Diseases, 2019, 6, ofz169.	0.4	17
24	Re-Evaluating the Evidence for Faecal Microbiota Transplantation â€˜Super-Donorsâ€™ in Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2021, 15, 453-461.	0.6	17
25	A left-handed building block self-assembles into right- and left-handed helices. RSC Advances, 2013, 3, 12905.	1.7	15
26	Designing fecal microbiota transplant trials that account for differences in donor stool efficacy. Statistical Methods in Medical Research, 2018, 27, 2906-2917.	0.7	13
27	Deciphering the Impact of Bystander Selection for Antibiotic Resistance in Neisseria gonorrhoeae. Journal of Infectious Diseases, 2020, 221, 1033-1035.	1.9	13
28	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.	2.6	12
29	A Novel Analysis Method for Paired-Sample Microbial Ecology Experiments. PLoS ONE, 2016, 11, e0154804.	1.1	9
30	Multidrug-resistant Neisseria gonorrhoeae: implications for future treatment strategies. Lancet Infectious Diseases, The, 2018, 18, 599.	4.6	9
31	16S rRNA sequencing analysis: the devil is in the details. Gut Microbes, 2020, 11, 1139-1142.	4.3	6
32	Cumulative Probability of Receiving an Antibiotic Prescription over Time. New England Journal of Medicine, 2019, 380, 1872-1873.	13.9	5
33	Abstract 321: A High-Salt Diet Alters the Composition of Intestinal Microbiota in Mice. Hypertension, 2014, 64, .	1.3	4
34	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.	1.2	3
35	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.	0.4	3
36	Fecal Microbiota Transplantation â€œDonor Effectsâ€•Are Not Clinically Relevant for Clostridioides difficile Infection. Gastroenterology, 2021, 160, 2635-2636.	0.6	3

#	Article	IF	Citations
37	Pilot study of autologous fecal microbiota transplants in nursing home residents: Feasibility and safety. Contemporary Clinical Trials Communications, 2022, 27, 100906.	0.5	3
38	Morphological analysis of chiral rod clusters from a coarse-grained single-site chiral potential. Soft Matter, 2019, 15, 8147-8155.	1.2	2
39	Fecal Microbiota Transplants Annually and Their Positive Clinical Impact. Clinical and Translational Gastroenterology, 2020, 11, e00247.	1.3	2
40	Uses of mathematical modeling to estimate the impact of mass drug administration of antibiotics on antimicrobial resistance within and between communities. Infectious Diseases of Poverty, 2022, 11, .	1.5	2
41	Power calculations for detecting differences in efficacy of fecal microbiota donors. Contemporary Clinical Trials Communications, 2020, 20, 100674.	0.5	1
42	Response to comment on 'The distribution of antibiotic use and its association with antibiotic resistance'. ELife, 2019, 8, .	2.8	1
43	Infectious Disease Modeling: Recommendations for Public Health Decision-Makers. Disaster Medicine and Public Health Preparedness, 0, , 1-3.	0.7	1
44	16S rRNA sequencing of samples from universal stool bank donors. BMC Research Notes, 2021, 14, 108.	0.6	0
45	Carriage rates of multidrug-resistant organisms among prospective stool donors. Lancet Infectious Diseases, The, 2021, 21, 454-455.	4.6	0