

Jonathan Friedman

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

6,631
citations

361045

20
h-index

500791

28
g-index

44
all docs

44
docs citations

44
times ranked

9607
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolving the conflict between antibiotic production and rapid growth by recognition of peptidoglycan of susceptible competitors. <i>Nature Communications</i> , 2022, 13, 431.	5.8	17
2	Complexityâ€“stability trade-off in empirical microbial ecosystems. <i>Nature Ecology and Evolution</i> , 2022, 6, 693-700.	3.4	29
3	Antimicrobial Peptide Combination Can Hinder Resistance Evolution. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	25
4	Positive interactions within and between populations decrease the likelihood of evolutionary rescue. <i>PLoS Computational Biology</i> , 2021, 17, e1008732.	1.5	4
5	Community composition of microbial microcosms follows simple assembly rules at evolutionary timescales. <i>Nature Communications</i> , 2021, 12, 2891.	5.8	32
6	Positive interactions are common among culturable bacteria. <i>Science Advances</i> , 2021, 7, eabi7159.	4.7	107
7	Deciphering functional redundancy in the human microbiome. <i>Nature Communications</i> , 2020, 11, 6217.	5.8	139
8	Microbial communities display alternative stable states in a fluctuating environment. <i>PLoS Computational Biology</i> , 2020, 16, e1007934.	1.5	22
9	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
10	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
11	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
12	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
13	Core gut microbial communities are maintained by beneficial interactions and strain variability in fish. <i>Nature Microbiology</i> , 2019, 4, 2456-2465.	5.9	98
14	Massively parallel screening of synthetic microbial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12804-12809.	3.3	182
15	Mortality causes universal changes in microbial community composition. <i>Nature Communications</i> , 2019, 10, 2120.	5.8	61
16	Strain Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation. <i>Cell Host and Microbe</i> , 2018, 23, 229-240.e5.	5.1	292
17	Community structure follows simple assembly rules in microbial microcosms. <i>Nature Ecology and Evolution</i> , 2017, 1, 109.	3.4	400
18	Ecological systems biology: The dynamics of interacting populations. <i>Current Opinion in Systems Biology</i> , 2017, 1, 114-121.	1.3	66

#	ARTICLE	IF	CITATIONS
19	Mapping the ecological networks of microbial communities. Nature Communications, 2017, 8, 2042.	5.8	125
20	Preferential interactions promote blind cooperation and informed defection. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13995-14000.	3.3	4
21	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. Nature Microbiology, 2016, 1, 16130.	5.9	33
22	Universality of human microbial dynamics. Nature, 2016, 534, 259-262.	13.7	225
23	Correlation detection strategies in microbial data sets vary widely in sensitivity and precision. ISME Journal, 2016, 10, 1669-1681.	4.4	593
24	Host lifestyle affects human microbiota on daily timescales. Genome Biology, 2014, 15, R89.	13.9	735
25	Computational Methods for High-Throughput Comparative Analyses of Natural Microbial Communities. Methods in Enzymology, 2013, 531, 353-370.	0.4	38
26	Sympatric Speciation: When Is It Possible in Bacteria?. PLoS ONE, 2013, 8, e53539.	1.1	41
27	Inferring Correlation Networks from Genomic Survey Data. PLoS Computational Biology, 2012, 8, e1002687.	1.5	1,874
28	Population Genomics of Early Events in the Ecological Differentiation of Bacteria. Science, 2012, 336, 48-51.	6.0	484
29	Shape and evolution of the fundamental niche in marine <i>Vibrio</i> . ISME Journal, 2012, 6, 2168-2177.	4.4	26
30	Ecology drives a global network of gene exchange connecting the human microbiome. Nature, 2011, 480, 241-244.	13.7	788
31	Looking for Darwin's footprints in the microbial world. Trends in Microbiology, 2009, 17, 196-204.	3.5	94