

# Jonathan Friedman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1665855/publications.pdf>

Version: 2024-02-01

31  
papers

6,631  
citations

361388

20  
h-index

501174

28  
g-index

44  
all docs

44  
docs citations

44  
times ranked

9607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring Correlation Networks from Genomic Survey Data. PLoS Computational Biology, 2012, 8, e1002687.	3.2	1,874
2	Ecology drives a global network of gene exchange connecting the human microbiome. Nature, 2011, 480, 241-244.	27.8	788
3	Host lifestyle affects human microbiota on daily timescales. Genome Biology, 2014, 15, R89.	9.6	735
4	Correlation detection strategies in microbial data sets vary widely in sensitivity and precision. ISME Journal, 2016, 10, 1669-1681.	9.8	593
5	Population Genomics of Early Events in the Ecological Differentiation of Bacteria. Science, 2012, 336, 48-51.	12.6	484
6	Community structure follows simple assembly rules in microbial microcosms. Nature Ecology and Evolution, 2017, 1, 109.	7.8	400
7	Strain Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation. Cell Host and Microbe, 2018, 23, 229-240.e5.	11.0	292
8	Universality of human microbial dynamics. Nature, 2016, 534, 259-262.	27.8	225
9	Massively parallel screening of synthetic microbial communities. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12804-12809.	7.1	182
10	Deciphering functional redundancy in the human microbiome. Nature Communications, 2020, 11, 6217.	12.8	139
11	Mapping the ecological networks of microbial communities. Nature Communications, 2017, 8, 2042.	12.8	125
12	Positive interactions are common among culturable bacteria. Science Advances, 2021, 7, eabi7159.	10.3	107
13	Core gut microbial communities are maintained by beneficial interactions and strain variability in fish. Nature Microbiology, 2019, 4, 2456-2465.	13.3	98
14	Looking for Darwin's footprints in the microbial world. Trends in Microbiology, 2009, 17, 196-204.	7.7	94
15	Ecological systems biology: The dynamics of interacting populations. Current Opinion in Systems Biology, 2017, 1, 114-121.	2.6	66
16	Mortality causes universal changes in microbial community composition. Nature Communications, 2019, 10, 2120.	12.8	61
17	Sympatric Speciation: When Is It Possible in Bacteria?. PLoS ONE, 2013, 8, e53539.	2.5	41
18	Computational Methods for High-Throughput Comparative Analyses of Natural Microbial Communities. Methods in Enzymology, 2013, 531, 353-370.	1.0	38

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19	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. <i>Nature Microbiology</i> , 2016, 1, 16130.	13.3	33
20	Community composition of microbial microcosms follows simple assembly rules at evolutionary timescales. <i>Nature Communications</i> , 2021, 12, 2891.	12.8	32
21	Complexity–stability trade-off in empirical microbial ecosystems. <i>Nature Ecology and Evolution</i> , 2022, 6, 693-700.	7.8	29
22	Shape and evolution of the fundamental niche in marine <i>Vibrio</i> . <i>ISME Journal</i> , 2012, 6, 2168-2177.	9.8	26
23	Antimicrobial Peptide Combination Can Hinder Resistance Evolution. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	25
24	Microbial communities display alternative stable states in a fluctuating environment. <i>PLoS Computational Biology</i> , 2020, 16, e1007934.	3.2	22
25	Resolving the conflict between antibiotic production and rapid growth by recognition of peptidoglycan of susceptible competitors. <i>Nature Communications</i> , 2022, 13, 431.	12.8	17
26	Preferential interactions promote blind cooperation and informed defection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13995-14000.	7.1	4
27	Positive interactions within and between populations decrease the likelihood of evolutionary rescue. <i>PLoS Computational Biology</i> , 2021, 17, e1008732.	3.2	4
28	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
29	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
30	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0
31	Microbial communities display alternative stable states in a fluctuating environment. , 2020, 16, e1007934.		0