

# Daniel B Larremore

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

5,049  
citations

257450

24  
h-index

302126

39  
g-index

64  
all docs

64  
docs citations

64  
times ranked

7357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Test sensitivity is secondary to frequency and turnaround time for COVID-19 screening. <i>Science Advances</i> , 2021, 7, .	10.3	889
2	Rethinking Covid-19 Test Sensitivity – A Strategy for Containment. <i>New England Journal of Medicine</i> , 2020, 383, e120.	27.0	648
3	Model-informed COVID-19 vaccine prioritization strategies by age and serostatus. <i>Science</i> , 2021, 371, 916-921.	12.6	588
4	Systematic inequality and hierarchy in faculty hiring networks. <i>Science Advances</i> , 2015, 1, e1400005.	10.3	365
5	The ground truth about metadata and community detection in networks. <i>Science Advances</i> , 2017, 3, e1602548.	10.3	307
6	Predicting Criticality and Dynamic Range in Complex Networks: Effects of Topology. <i>Physical Review Letters</i> , 2011, 106, 058101.	7.8	158
7	Efficiently inferring community structure in bipartite networks. <i>Physical Review E</i> , 2014, 90, 012805.	2.1	142
8	Data-driven predictions in the science of science. <i>Science</i> , 2017, 355, 477-480.	12.6	142
9	Community detection, link prediction, and layer interdependence in multilayer networks. <i>Physical Review E</i> , 2017, 95, 042317.	2.1	130
10	Configuring Random Graph Models with Fixed Degree Sequences. <i>SIAM Review</i> , 2018, 60, 315-355.	9.5	130
11	Productivity, prominence, and the effects of academic environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10729-10733.	7.1	116
12	The unequal impact of parenthood in academia. <i>Science Advances</i> , 2021, 7, .	10.3	115
13	Reductions in commuting mobility correlate with geographic differences in SARS-CoV-2 prevalence in New York City. <i>Nature Communications</i> , 2020, 11, 4674.	12.8	105
14	Concerns about SARS-CoV-2 evolution should not hold back efforts to expand vaccination. <i>Nature Reviews Immunology</i> , 2021, 21, 330-335.	22.7	98
15	The misleading narrative of the canonical faculty productivity trajectory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9216-E9223.	7.1	77
16	A Network Approach to Analyzing Highly Recombinant Malaria Parasite Genes. <i>PLoS Computational Biology</i> , 2013, 9, e1003268.	3.2	73
17	Inhibition Causes Ceaseless Dynamics in Networks of Excitable Nodes. <i>Physical Review Letters</i> , 2014, 112, 138103.	7.8	67
18	Statistical properties of avalanches in networks. <i>Physical Review E</i> , 2012, 85, 066131.	2.1	62

#	ARTICLE	IF	CITATIONS
19	Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys. <i>ELife</i> , 2021, 10, .	6.0	59
20	Gender, Productivity, and Prestige in Computer Science Faculty Hiring Networks. , 2016, , .		49
21	Ape parasite origins of human malaria virulence genes. <i>Nature Communications</i> , 2015, 6, 8368.	12.8	41
22	A physical model for efficient ranking in networks. <i>Science Advances</i> , 2018, 4, eaar8260.	10.3	41
23	Effects of network topology, transmission delays, and refractoriness on the response of coupled excitable systems to a stochastic stimulus. <i>Chaos</i> , 2011, 21, 025117.	2.5	34
24	Higher Viral Load Drives Infrequent Severe Acute Respiratory Syndrome Coronavirus 2 Transmission Between Asymptomatic Residence Hall Roommates. <i>Journal of Infectious Diseases</i> , 2021, 224, 1316-1324.	4.0	29
25	A guide to choosing and implementing reference models for social network analysis. <i>Biological Reviews</i> , 2021, 96, 2716-2734.	10.4	29
26	Community detection in bipartite networks with stochastic block models. <i>Physical Review E</i> , 2020, 102, 032309.	2.1	27
27	Emergence of hierarchy in networked endorsement dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
28	Serial population-based serosurveys for COVID-19 in two neighbourhoods of Karachi, Pakistan. <i>International Journal of Infectious Diseases</i> , 2021, 106, 176-182.	3.3	21
29	Implications of Test Characteristics and Population Seroprevalence on "Immune Passport" Strategies. <i>Clinical Infectious Diseases</i> , 2021, 72, e412-e414.	5.8	19
30	Modeling the effectiveness of olfactory testing to limit SARS-CoV-2 transmission. <i>Nature Communications</i> , 2021, 12, 3664.	12.8	13
31	Robust entropy requires strong and balanced excitatory and inhibitory synapses. <i>Chaos</i> , 2018, 28, 103115.	2.5	12
32	Immune Characterization of <i>Plasmodium falciparum</i> Parasites with a Shared Genetic Signature in a Region of Decreasing Transmission. <i>Infection and Immunity</i> , 2015, 83, 276-285.	2.2	11
33	Bayes-optimal estimation of overlap between populations of fixed size. <i>PLoS Computational Biology</i> , 2019, 15, e1006898.	3.2	10
34	Social climber attachment in forming networks produces a phase transition in a measure of connectivity. <i>Physical Review E</i> , 2012, 86, 031140.	2.1	8
35	The dynamics of faculty hiring networks. <i>EPJ Data Science</i> , 2021, 10, .	2.8	8
36	SARS-CoV-2 transmission and impacts of unvaccinated-only screening in populations of mixed vaccination status. <i>Nature Communications</i> , 2022, 13, 2777.	12.8	8

#	ARTICLE	IF	CITATIONS
37	Choices in networks: a research framework. Marketing Letters, 2020, 31, 349-359.	2.9	7
38	webweb: a tool for creating, displaying, and sharing interactive network visualizations on the web. Journal of Open Source Software, 2019, 4, 1458.	4.6	7
39	Ethnoracial Disparities in SARS-CoV-2 Seroprevalence in a Large Cohort of Individuals in Central North Carolina from April to December 2020. MSphere, 2022, 7, e0084121.	2.9	6
40	Optimal control of excitable systems near criticality. Physical Review Research, 2020, 2, .	3.6	4
41	Network Models for Malaria: Antigens, Dynamics, and Evolution Over Space and Time. , 2021, , 277-294.		2
42	Progress Is Infectious. IEEE Security and Privacy, 2012, 10, 94-95.	1.2	0