# Daniel B Larremore

List of Publications by Year
in descending order



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|---|---|---|---|
| 42 papers | 5,049 citations | 257357 24 h-index | 302012 39 g-index |
| 64 all docs | 64 docs citations | 64 times ranked | 7357 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | SARS-CoV-2 transmission and impacts of unvaccinated-only screening in populations of mixed vaccination status. Nature Communications, 2022, 13, 2777. | 5.8 | 8 |
| 2 | 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. | 1.3 | 6 |
| 3 | Implications of Test Characteristics and Population Seroprevalence on â€œImmune Passportâ€•Strategies. Clinical Infectious Diseases, 2021, 72, e412-e414. | 2.9 | 19 |
| 4 | Network Models for Malaria: Antigens, Dynamics, and Evolution Over Space and Time. , 2021, , 277-294. | | 2 |
| 5 | Test sensitivity is secondary to frequency and turnaround time for COVID-19 screening. Science Advances, 2021, 7, . | 4.7 | 889 |
| 6 | Model-informed COVID-19 vaccine prioritization strategies by age and serostatus. Science, 2021, 371, 916-921. | 6.0 | 588 |
| 7 | The unequal impact of parenthood in academia. Science Advances, 2021, 7, . | 4.7 | 115 |
| 8 | Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys. ELife, 2021, 10, . | 2.8 | 59 |
| 9 | Emergence of hierarchy in networked endorsement dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 22 |
| 10 | Concerns about SARS-CoV-2 evolution should not hold back efforts to expand vaccination. Nature Reviews Immunology, 2021, 21, 330-335. | 10.6 | 98 |
| 11 | Serial population-based serosurveys for COVID-19 in two neighbourhoods of Karachi, Pakistan. International Journal of Infectious Diseases, 2021, 106, 176-182. | 1.5 | 21 |
| 12 | Modeling the effectiveness of olfactory testing to limit SARS-CoV-2 transmission. Nature Communications, 2021, 12, 3664. | 5.8 | 13 |
| 13 | Higher Viral Load Drives Infrequent Severe Acute Respiratory Syndrome Coronavirus 2 Transmission Between Asymptomatic Residence Hall Roommates. Journal of Infectious Diseases, 2021, 224, 1316-1324. | 1.9 | 29 |
| 14 | A guide to choosing and implementing reference models for social network analysis. Biological Reviews, 2021, 96, 2716-2734. | 4.7 | 29 |
| 15 | The dynamics of faculty hiring networks. EPJ Data Science, 2021, 10, . | 1.5 | 8 |
| 16 | Community detection in bipartite networks with stochastic block models. Physical Review E, 2020, 102, 032309. | 0.8 | 27 |
| 17 | Rethinking Covid-19 Test Sensitivity â€” A Strategy for Containment. New England Journal of Medicine, 2020, 383, e120. | 13.9 | 648 |
| 18 | Choices in networks: a research framework. Marketing Letters, 2020, 31, 349-359. | 1.9 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reductions in commuting mobility correlate with geographic differences in SARS-CoV-2 prevalence in New York City. Nature Communications, 2020, 11, 4674. | 5.8 | 105 |
| 20 | Optimal control of excitable systems near criticality. Physical Review Research, 2020, 2, . | 1.3 | 4 |
| 21 | Productivity, prominence, and the effects of academic environment. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10729-10733. | 3.3 | 116 |
| 22 | Bayes-optimal estimation of overlap between populations of fixed size. PLoS Computational Biology, 2019, 15, e1006898. | 1.5 | 10 |
| 23 | webweb: a tool for creating, displaying, and sharing interactive network visualizations on the web. Journal of Open Source Software, 2019, 4, 1458. | 2.0 | 7 |
| 24 | Configuring Random Graph Models with Fixed Degree Sequences. SIAM Review, 2018, 60, 315-355. | 4.2 | 130 |
| 25 | Robust entropy requires strong and balanced excitatory and inhibitory synapses. Chaos, 2018, 28, 103115. | 1.0 | 12 |
| 26 | A physical model for efficient ranking in networks. Science Advances, 2018, 4, eaar8260. | 4.7 | 41 |
| 27 | Data-driven predictions in the science of science. Science, 2017, 355, 477-480. | 6.0 | 142 |
| 28 | The ground truth about metadata and community detection in networks. Science Advances, 2017, 3, e1602548. | 4.7 | 307 |
| 29 | The misleading narrative of the canonical faculty productivity trajectory. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9216-E9223. | 3.3 | 77 |
| 30 | Community detection, link prediction, and layer interdependence in multilayer networks. Physical Review E, 2017, 95, 042317. | 0.8 | 130 |
| 31 | Gender, Productivity, and Prestige in Computer Science Faculty Hiring Networks. , 2016, , . | | 49 |
| 32 | Systematic inequality and hierarchy in faculty hiring networks. Science Advances, 2015, 1, e1400005. | 4.7 | 365 |
| 33 | Immune Characterization of Plasmodium falciparum Parasites with a Shared Genetic Signature in a Region of Decreasing Transmission. Infection and Immunity, 2015, 83, 276-285. | 1.0 | 11 |
| 34 | Ape parasite origins of human malaria virulence genes. Nature Communications, 2015, 6, 8368. | 5.8 | 41 |
| 35 | Efficiently inferring community structure in bipartite networks. Physical Review E, 2014, 90, 012805. | 0.8 | 142 |
| 36 | Inhibition Causes Ceaseless Dynamics in Networks of Excitable Nodes. Physical Review Letters, 2014, 112, 138103. | 2.9 | 67 |

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|---|---|---|---|
| 37 | A Network Approach to Analyzing Highly Recombinant Malaria Parasite Genes. PLoS Computational Biology, 2013, 9, e1003268. | 1.5 | 73 |
| 38 | Progress Is Infectious. IEEE Security and Privacy, 2012, 10, 94-95. | 1.5 | 0 |
| 39 | Social climber attachment in forming networks produces a phase transition in a measure of connectivity. Physical Review E, 2012, 86, 031140. | 0.8 | 8 |
| 40 | Statistical properties of avalanches in networks. Physical Review E, 2012, 85, 066131. | 0.8 | 62 |
| 41 | Predicting Criticality and Dynamic Range in Complex Networks: Effects of Topology. Physical Review Letters, 2011, 106, 058101. | 2.9 | 158 |
| 42 | Effects of network topology, transmission delays, and refractoriness on the response of coupled excitable systems to a stochastic stimulus. Chaos, 2011, 21, 025117. | 1.0 | 34 |