

Daniel S Fisher

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,386
citations

331670

21
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

3723
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial Mutationâ€“Selection Balance and the Effect of Linkage on Positive Selection. <i>Genetics</i> , 2007, 176, 1759-1798.	2.9	495
2	Quantitative evolutionary dynamics using high-resolution lineage tracking. <i>Nature</i> , 2015, 519, 181-186.	27.8	372
3	Ordered Phosphorylation Governs Oscillation of a Three-Protein Circadian Clock. <i>Science</i> , 2007, 318, 809-812.	12.6	352
4	The evolutionary dynamics and fitness landscape of clonal hematopoiesis. <i>Science</i> , 2020, 367, 1449-1454.	12.6	294
5	The Speed of Evolution and Maintenance of Variation in Asexual Populations. <i>Current Biology</i> , 2007, 17, 385-394.	3.9	291
6	The rate at which asexual populations cross fitness valleys. <i>Theoretical Population Biology</i> , 2009, 75, 286-300.	1.1	222
7	Development of a Comprehensive Genotype-to-Fitness Map of Adaptation-Driving Mutations in Yeast. <i>Cell</i> , 2016, 166, 1585-1596.e22.	28.9	205
8	Fine-scale diversity and extensive recombination in a quasisexual bacterial population occupying a broad niche. <i>Science</i> , 2015, 348, 1019-1023.	12.6	126
9	Genetic Diversity and the Structure of Genealogies in Rapidly Adapting Populations. <i>Genetics</i> , 2013, 193, 565-585.	2.9	104
10	Rate of Adaptation in Large Sexual Populations. <i>Genetics</i> , 2010, 184, 467-481.	2.9	103
11	Acceleration of evolutionary spread by long-range dispersal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4911-9.	7.1	102
12	The Rate of Fitness-Valley Crossing in Sexual Populations. <i>Genetics</i> , 2010, 186, 1389-1410.	2.9	98
13	Denosing PCR-amplified metagenome data. <i>BMC Bioinformatics</i> , 2012, 13, 283.	2.6	85
14	The Balance Between Mutators and Nonmutators in Asexual Populations. <i>Genetics</i> , 2011, 188, 997-1014.	2.9	68
15	Hidden Complexity of Yeast Adaptation under Simple Evolutionary Conditions. <i>Current Biology</i> , 2018, 28, 515-525.e6.	3.9	63
16	Stabilization of extensive fine-scale diversity by ecologically driven spatiotemporal chaos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14572-14583.	7.1	57
17	The dynamics of adaptive genetic diversity during the early stages of clonal evolution. <i>Nature Ecology and Evolution</i> , 2019, 3, 293-301.	7.8	45
18	Fundamental limits on the rate of bacterial growth and their influence on proteomic composition. <i>Cell Systems</i> , 2021, 12, 924-944.e2.	6.2	45

#	ARTICLE	IF	CITATIONS
19	Asexual evolution waves: fluctuations and universality. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P01011.	2.3	42
20	Rapid evolution of adaptive niche construction in experimental microbial populations. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3307-3316.	2.3	41
21	Synonymous mutations reveal genome-wide levels of positive selection in healthy tissues. <i>Nature Genetics</i> , 2021, 53, 1597-1605.	21.4	33
22	Adaptive walks on high-dimensional fitness landscapes and seascapes with distance-dependent statistics. <i>Theoretical Population Biology</i> , 2019, 130, 13-49.	1.1	30
23	A model for the interplay between plastic tradeoffs and evolution in changing environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8934-8940.	7.1	23
24	Course 11 Evolutionary dynamics. <i>Les Houches Summer School Proceedings</i> , 2007, , 395-446.	0.2	20
25	Probing the ecological and evolutionary history of a thermophilic cyanobacterial population via statistical properties of its microdiversity. <i>PLoS ONE</i> , 2018, 13, e0205396.	2.5	15
26	Rapid adaptation in large populations with very rare sex: Scalings and spontaneous oscillations. <i>Theoretical Population Biology</i> , 2019, 129, 18-40.	1.1	10
27	Leading the dog of selection by its mutational nose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2633-2634.	7.1	9
28	Evolutionary dynamics and statistical physics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, N01001.	2.3	8
29	Population genetics of polymorphism and divergence in rapidly evolving populations. <i>Genetics</i> , 2022, 221, .	2.9	8