

Lilach Hadany

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,646
citations

331670

21
h-index

345221

36
g-index

64
all docs

64
docs citations

64
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiome-related aspects of locust density-dependent phase transition. <i>Environmental Microbiology</i> , 2022, 24, 507-516.	3.8	3
2	Transgenerational inheritance of sexual attractiveness via small RNAs enhances evolvability in <i>C. elegans</i> . <i>Developmental Cell</i> , 2022, 57, 298-309.e9.	7.0	24
3	Modeling the evolution of SARS-CoV-2 under non-pharmaceutical interventions and testing. <i>Evolution, Medicine and Public Health</i> , 2022, 10, 179-188.	2.5	7
4	Predicting Antibiotic Resistance in Hospitalized Patients by Applying Machine Learning to Electronic Medical Records. <i>Clinical Infectious Diseases</i> , 2021, 72, e848-e855.	5.8	47
5	Floral complexity can help maintain plant diversity by inducing pollinator specialization. <i>Journal of Ecology</i> , 2021, 109, 2897-2908.	4.0	2
6	Annual climatic fluctuations and short-term genetic variation in the eastern spadefoot toad. <i>Scientific Reports</i> , 2021, 11, 13514.	3.3	3
7	Host-microbiome coevolution can promote cooperation in a rock-paper-scissors dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192754.	2.6	30
8	The evolution of paternal care: a role for microbes?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190599.	4.0	15
9	Plants' ability to sense and respond to airborne sound is likely to be adaptive: reply to comment by Pyke et al. <i>Ecology Letters</i> , 2020, 23, 1423-1425.	6.4	0
10	Increased sugar concentration in response to a wide range of pollinator sounds can be adaptive for the plant: answer to Raguso et al. <i>Ecology Letters</i> , 2020, 23, 1553-1554.	6.4	0
11	Reply to Balsa-Canto et al.: Growth models are applicable to growth data, not to stationary-phase data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 814-815.	7.1	6
12	Evolution of Stress-Induced Mutagenesis in the Presence of Horizontal Gene Transfer. <i>American Naturalist</i> , 2019, 194, 73-89.	2.1	10
13	Flowers respond to pollinator sound within minutes by increasing nectar sugar concentration. <i>Ecology Letters</i> , 2019, 22, 1483-1492.	6.4	79
14	Predicting microbial growth in a mixed culture from growth curve data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14698-14707.	7.1	102
15	Random search with resetting as a strategy for optimal pollination. <i>Physical Review E</i> , 2019, 99, 052119.	2.1	17
16	Less fit <i>Lamium amplexicaule</i> plants produce more dispersible seeds. <i>Scientific Reports</i> , 2019, 9, 6299.	3.3	2
17	Gamblers: An Antibiotic-Induced Evolvable Cell Subpopulation Differentiated by Reactive-Oxygen-Induced General Stress Response. <i>Molecular Cell</i> , 2019, 74, 785-800.e7.	9.7	126
18	Some topics in theoretical population genetics: Editorial commentaries on a selection of Marc Feldman's TPB papers. <i>Theoretical Population Biology</i> , 2019, 129, 4-8.	1.1	1

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19	Spontaneous Changes in Ploidy Are Common in Yeast. <i>Current Biology</i> , 2018, 28, 825-835.e4.	3.9	71
20	Pollinator-mediated selection on floral size and tube color in <i>Linum pubescens</i> : Can differential behavior and preference in different times of the day maintain dimorphism?. <i>Ecology and Evolution</i> , 2018, 8, 1096-1106.	1.9	10
21	Key issues review: evolution on rugged adaptive landscapes. <i>Reports on Progress in Physics</i> , 2018, 81, 012602.	20.1	25
22	Microbes can help explain the evolution of host altruism. <i>Nature Communications</i> , 2017, 8, 14040.	12.8	47
23	With a little help from my friends: cooperation can accelerate the rate of adaptive valley crossing. <i>BMC Evolutionary Biology</i> , 2017, 17, 143.	3.2	10
24	Errors in mutagenesis and the benefit of cell-to-cell signalling in the evolution of stress-induced mutagenesis. <i>Royal Society Open Science</i> , 2017, 4, 170529.	2.4	2
25	Potential contribution of fish restocking to the recovery of deteriorated coral reefs: an alternative restoration method?. <i>PeerJ</i> , 2016, 4, e1732.	2.0	19
26	Condition-dependent sex: who does it, when and why?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150539.	4.0	66
27	Antibiotic cross-resistance in the lab and resistance co-occurrence in the clinic: Discrepancies and implications in <i>E. coli</i> . <i>Infection, Genetics and Evolution</i> , 2016, 40, 155-161.	2.3	22
28	Floral advertisement and the competition for pollination services. <i>BioSystems</i> , 2015, 132-133, 35-42.	2.0	4
29	The evolution of obligate sex: the roles of sexual selection and recombination. <i>Ecology and Evolution</i> , 2015, 5, 2572-2583.	1.9	7
30	The probability of improvement in Fisher's geometric model: A probabilistic approach. <i>Theoretical Population Biology</i> , 2015, 99, 1-6.	1.1	10
31	Antibiotic Restriction Might Facilitate the Emergence of Multi-drug Resistance. <i>PLoS Computational Biology</i> , 2015, 11, e1004340.	3.2	44
32	Stress-induced mutagenesis and complex adaptation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141025.	2.6	64
33	Bimodal regulation of ICR1 levels generates self-organizing auxin distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5471-9.	7.1	20
34	Resistance profiles of coagulase-negative staphylococci contaminating blood cultures predict pathogen resistance and patient mortality. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2541-2546.	3.0	5
35	Dispersing away from bad genotypes: the evolution of Fitness-Associated Dispersal (FAD) in homogeneous environments. <i>BMC Evolutionary Biology</i> , 2013, 13, 125.	3.2	20
36	Food Selectivity and Diet Switch Can Explain the Slow Feeding of Herbivorous Coral-Reef Fishes during the Morning. <i>PLoS ONE</i> , 2013, 8, e82391.	2.5	8

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37	Implications of stress-induced genetic variation for minimizing multidrug resistance in bacteria. <i>BMC Medicine</i> , 2012, 10, 89.	5.5	51
38	THE EVOLUTION OF STRESS-INDUCED HYPERMUTATION IN ASEXUAL POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2315-2328.	2.3	86
39	Does stress induce (para)sex? Implications for <i>Candida albicans</i> evolution. <i>Trends in Genetics</i> , 2012, 28, 197-203.	6.7	65
40	Plant-pollinator population dynamics. <i>Theoretical Population Biology</i> , 2010, 78, 270-277.	1.1	43
41	Regulated superinfection may help HIV adaptation on rugged landscape. <i>Infection, Genetics and Evolution</i> , 2010, 10, 505-510.	2.3	5
42	Condition-Dependent Sex and the Rate of Adaptation. <i>American Naturalist</i> , 2009, 174, S71-S78.	2.1	41
43	Drug induced superinfection in HIV and the evolution of drug resistance. <i>Infection, Genetics and Evolution</i> , 2008, 8, 40-50.	2.3	7
44	Why Are Sex and Recombination So Common?. <i>Annals of the New York Academy of Sciences</i> , 2008, 1133, 26-43.	3.8	59
45	Mutability and Importance of a Hypermutable Cell Subpopulation that Produces Stress-Induced Mutants in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2008, 4, e1000208.	3.5	53
46	The Evolution of Condition-Dependent Sex in the Face of High Costs. <i>Genetics</i> , 2007, 176, 1713-1727.	2.9	60
47	Sexual selection and the evolution of obligatory sex. <i>BMC Evolutionary Biology</i> , 2007, 7, 245.	3.2	33
48	Why is stress so deadly? An evolutionary perspective. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 881-885.	2.6	16
49	The Evolution of Plastic Recombination. <i>Genetics</i> , 2005, 171, 803-812.	2.9	63
50	Adaptive peak shifts in a heterogenous environment. <i>Theoretical Population Biology</i> , 2003, 63, 41-51.	1.1	20
51	On the Evolutionary Advantage of Fitness-Associated Recombination. <i>Genetics</i> , 2003, 165, 2167-2179.	2.9	92
52	A Conflict Between Two Evolutionary Levels in Trees. <i>Journal of Theoretical Biology</i> , 2001, 208, 507-521.	1.7	10