Lutz Becks

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4256132/publications.pdf

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		331670	289244
41	1,839	21	40
papers	citations	h-index	g-index

47	47	47	2085
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of mutation supply on population dynamics and trait evolution in an experimental microbial community. Ecology Letters, 2022, 25, 355-365.	6.4	1
2	Strong selection and high mutation supply characterize experimental Chlorovirus evolution. Virus Evolution, 2022, 8, veac003.	4.9	5
3	Simultaneous Giant Virus and Virophage Quantification Using Droplet Digital PCR. Viruses, 2022, 14, 1056.	3.3	3
4	Change in prey genotype frequency rescues predator from extinction. Royal Society Open Science, 2022, 9, .	2.4	4
5	Evolutionary dynamics of transposable elements in bdelloid rotifers. ELife, 2021, 10, .	6.0	26
6	The evolution of convex trade-offs enables the transition towards multicellularity. Nature Communications, 2021, 12, 4222.	12.8	16
7	Co-evolution as an important component explaining microbial predator-prey interaction. Journal of Theoretical Biology, 2020, 486, 110095.	1.7	15
8	Antagonistic species interaction drives selection for sex in a predatorâ€“prey system. Journal of Evolutionary Biology, 2020, 33, 1180-1191.	1.7	4
9	Repeatable ecological dynamics govern the response of experimental communities to antibiotic pulse perturbation. Nature Ecology and Evolution, 2020, 4, 1385-1394.	7.8	22
10	The feedback between selection and demography shapes genomic diversity during coevolution. Science Advances, 2019, 5, eaax0530.	10.3	20
11	Predator coevolution and prey trait variability determine species coexistence. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190245.	2.6	17
12	Ecological and Evolutionary Processes Shaping Viral Genetic Diversity. Viruses, 2019, 11, 220.	3.3	21
13	Extortion strategies resist disciplining when higher competitiveness is rewarded with extra gain. Nature Communications, 2019, 10, 783.	12.8	20
14	The role of stressors in altering ecoâ€evolutionary dynamics. Functional Ecology, 2019, 33, 73-83.	3.6	13
15	Genomics of host-pathogen interactions: challenges and opportunities across ecological and spatiotemporal scales. PeerJ, 2019, 7, e8013.	2.0	23
16	Population size changes and selection drive patterns of parallel evolution in a hostâ€“virus system. Nature Communications, 2018, 9, 1706.	12.8	29
17	Dual-stressor selection alters eco-evolutionary dynamics in experimental communities. Nature Ecology and Evolution, 2018, 2, 1974-1981.	7.8	38
18	Why Are Algal Viruses Not Always Successful?. Viruses, 2018, 10, 474.	3.3	17

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19	Sublethal streptomycin concentrations and lytic bacteriophage together promote resistance evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160040.	4.0	39
20	Genomic evolution of bacterial populations under coselection by antibiotics and phage. Molecular Ecology, 2017, 26, 1848-1859.	3.9	19
21	Rapid evolution of hosts begets species diversity at the cost of intraspecific diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11193-11198.	7.1	26
22	Evolutionary contribution to coexistence of competitors in microbial food webs. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170415.	2.6	23
23	Traitâ€“fitness relationships determine how tradeâ€off shapes affect species coexistence. Ecology, 2017, 98, 3188-3198.	3.2	37
24	Dynamical trade-offs arise from antagonistic coevolution and decrease intraspecific diversity. Nature Communications, 2017, 8, 2059.	12.8	30
25	Eco-evolutionary feedback promotes Red Queen dynamics and selects for sex in predator populations. Evolution; International Journal of Organic Evolution, 2016, 70, 641-652.	2.3	29
26	Ecoâ€evolutionary dynamics in a coevolving hostâ€“virus system. Ecology Letters, 2016, 19, 450-459.	6.4	94
27	Use of dd<scp>PCR</scp> in experimental evolution studies. Methods in Ecology and Evolution, 2016, 7, 340-351.	5.2	16
28	Environmental fluctuations restrict eco-evolutionary dynamics in predatorâ€“prey system. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150013.	2.6	36
29	Using Microevolution to Explain the Macroevolutionary Observations for the Evolution of Sex. Interdisciplinary Evolution Research, 2015, , 279-299.	0.3	5
30	Consumer co-evolution as an important component of the eco-evolutionary feedback. Nature Communications, 2014, 5, 5226.	12.8	84
31	Why rapid, adaptive evolution matters for community dynamics. Frontiers in Ecology and Evolution, 2014, 2, .	2.2	59
32	Different types of synchrony in chaotic and cyclic communities. Nature Communications, 2013, 4, 1359.	12.8	25
33	The Evolution of Sex Is Favoured During Adaptation to New Environments. PLoS Biology, 2012, 10, e1001317.	5.6	135
34	The functional genomics of an ecoâ€evolutionary feedback loop: linking gene expression, trait evolution, and community dynamics. Ecology Letters, 2012, 15, 492-501.	6.4	159
35	Rapid prey evolution and the dynamics of two-predator food webs. Theoretical Ecology, 2011, 4, 133-152.	1.0	56
36	Reduction of adaptive genetic diversity radically alters ecoâ€evolutionary community dynamics. Ecology Letters, 2010, 13, 989-997.	6.4	218

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37	Higher rates of sex evolve in spatially heterogeneous environments. Nature, 2010, 468, 89-92.	27.8	118
38	Rapid contemporary evolution and clonal food web dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1579-1591.	4.0	99
39	TRANSITIONS FROM STABLE EQUILIBRIA TO CHAOS, AND BACK, IN AN EXPERIMENTAL FOOD WEB. Ecology, 2008, 89, 3222-3226.	3.2	22
40	Experimental demonstration of chaos in a microbial food web. Nature, 2005, 435, 1226-1229.	27.8	208
41	Contextâ€dependent costs and benefits of endosymbiotic interactions in a ciliateâ€“algae system. Environmental Microbiology, 0, , .	3.8	1