Emanuel A Fronhofer

List of Publications by Year
in descending order

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50 papers	2,867 citations	257450 24 h-index	214800 47 g-index
82 all docs	82 docs citations	82 times ranked	3410 citing authors

#	Article	IF	Citations
1	Selection on growth rate and local adaptation drive genomic adaptation during experimental range expansions in the protist Tetrahymena thermophila. Journal of Animal Ecology, 2022, 91, 1088-1103.	2.8	5
2	Spatial autocorrelation of local patch extinctions drives recovery dynamics in metacommunities. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220543.	2.6	3
3	Scaling up our understanding of tipping points. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	12
4	Hostâ€“parasite dynamics set the ecological theatre for the evolution of stateâ€•and contextâ€•dependent dispersal in hosts. Oikos, 2021, 130, 121-132.	2.7	8
5	An evolutionary tradeâ€•off between parasite virulence and dispersal at experimental invasion fronts. Ecology Letters, 2021, 24, 739-750.	6.4	13
6	Parasitism and host dispersal plasticity in an aquatic model system. Journal of Evolutionary Biology, 2021, 34, 1316-1325.	1.7	8
7	Dispersal behaviour and riverine network connectivity shape the genetic diversity of freshwater amphipod metapopulations. Molecular Ecology, 2021, 30, 6551-6565.	3.9	9
8	Nonlinear Effects of Intraspecific Competition Alter Landscape-Wide Scaling Up of Ecosystem Function. American Naturalist, 2020, 195, 432-444.	2.1	12
9	Metaecosystem dynamics drive community composition in experimental, multiâ€layered spatial networks. Oikos, 2020, 129, 402-412.	2.7	26
10	Gene swamping alters evolution during range expansions in the protist Tetrahymena thermophila. Biology Letters, 2020, 16, 20200244.	2.3	14
11	Species multidimensional effects explain idiosyncratic responses of communities to environmental change. Nature Ecology and Evolution, 2020, 4, 1036-1043.	7.8	32
12	Generation and application of river network analogues for use in ecology and evolution. Ecology and Evolution, 2020, 10, 7537-7550.	1.9	41
13	Evolution in interacting species alters predator life-history traits, behaviour and morphology in experimental microbial communities. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200652.	2.6	9
14	Evolution under pH stress and high population densities leads to increased densityâ€dependent fitness in the protistTetrahymena thermophila. Evolution; International Journal of Organic Evolution, 2020, 74, 573-586.	2.3	9
15	Assessing different components of diversity across a river network using eDNA. Environmental DNA, 2019, 1, 290-301.	5.8	64
16	The conflict between adaptation and dispersal for maintaining biodiversity in changing environments. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21061-21067.	7.1	65
17	Dispersal syndromes can impact ecosystem functioning in spatially structured freshwater populations. Biology Letters, 2019, 15, 20180865.	2.3	28
18	Ecoâ€evolutionary feedbacksâ€”Theoretical models and perspectives. Functional Ecology, 2019, 33, 13-30.	3.6	137

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19	Dispersal in dendritic networks: Ecological consequences on the spatial distribution of population densities. Freshwater Biology, 2018, 63, 22-32.	2.4	66
20	Kin competition accelerates experimental range expansion in an arthropod herbivore. Ecology Letters, 2018, 21, 225-234.	6.4	46
21	Genetics of dispersal. Biological Reviews, 2018, 93, 574-599.	10.4	182
22	Disturbance reverses classic biodiversity predictions in river-like landscapes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20182441.	2.6	22
23	Eusociality outcompetes egalitarian and solitary strategies when resources are limited and reproduction is costly. Ecology and Evolution, 2018, 8, 12953-12964.	1.9	14
24	Bottom-up and top-down control of dispersal across major organismal groups. Nature Ecology and Evolution, 2018, 2, 1859-1863.	7.8	80
25	Biodiversity increases and decreases ecosystem stability. Nature, 2018, 563, 109-112.	27.8	261
26	Classical metapopulation dynamics and ecoâ€evolutionary feedbacks in dendritic networks. Ecography, 2017, 40, 1455-1466.	4.5	39
27	Evolution of densityâ€dependent movement during experimental range expansions. Journal of Evolutionary Biology, 2017, 30, 2165-2176.	1.7	28
28	Upstream trophic structure modulates downstream community dynamics via resource subsidies. Ecology and Evolution, 2017, 7, 5724-5731.	1.9	12
29	Ecoâ€evolutionary dynamics in fragmented landscapes. Ecography, 2017, 40, 9-25.	4.5	101
30	Information use shapes the dynamics of range expansions into environmental gradients. Global Ecology and Biogeography, 2017, 26, 400-411.	5.8	47
31	Dynamic species classification of microorganisms across time, abiotic and biotic environmentsâ€”A sliding window approach. PLoS ONE, 2017, 12, e0176682.	2.5	21
32	The downward spiral: ecoâ€evolutionary feedback loops lead to the emergence of â€˜elasticâ€™ ranges. Ecography, 2016, 39, 261-269.	4.5	8
33	Environmental DNA reveals that rivers are conveyer belts of biodiversity information. Nature Communications, 2016, 7, 12544.	12.8	415
34	Conditionâ€dependent movement and dispersal in experimental metacommunities. Ecology Letters, 2015, 18, 954-963.	6.4	58
35	Dendritic network structure and dispersal affect temporal dynamics of diversity and species persistence. Oikos, 2015, 124, 908-916.	2.7	67
36	Eco-evolutionary feedbacks during experimental range expansions. Nature Communications, 2015, 6, 6844.	12.8	136

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37	Densityâ€dependent movement and the consequences of the Allee effect in the model organism Tetrahymena. Journal of Animal Ecology, 2015, 84, 712-722.	2.8	40
38	Landscape configuration is a major determinant of home range size variation. Ecosphere, 2015, 6, 1-12.	2.2	29
39	Big answers from small worlds: a user's guide for protist microcosms as a model system in ecology and evolution. Methods in Ecology and Evolution, 2015, 6, 218-231.	5.2	157
40	Evolution of dispersal distance: Maternal investment leads to bimodal dispersal kernels. Journal of Theoretical Biology, 2015, 365, 270-279.	1.7	17
41	Dispersal, evolution and range dynamics â€“ a synthesis. Oikos, 2014, 123, 3-4.	2.7	7
42	SPATIALLY CORRELATED EXTINCTIONS SELECT FOR LESS EMIGRATION BUT LARGER DISPERSAL DISTANCES IN THE SPIDER MITETETRANYCHUS URTICAE. Evolution; International Journal of Organic Evolution, 2014, 68, 1838-1844.	2.3	46
43	Where am I and why? Synthesizing range biology and the ecoâ€evolutionary dynamics of dispersal. Oikos, 2014, 123, 5-22.	2.7	158
44	Picky hitchâ€hikers: vector choice leads to directed dispersal and fatâ€tailed kernels in a passively dispersing mite. Oikos, 2013, 122, 1254-1264.	2.7	24
45	Kin Competition as a Major Driving Force for Invasions. American Naturalist, 2013, 181, 700-706.	2.1	56
46	From random walks to informed movement. Oikos, 2013, 122, 857-866.	2.7	63
47	Why are metapopulations so rare?. Ecology, 2012, 93, 1967-1978.	3.2	75
48	ASSORTATIVE MATING COUNTERACTS THE EVOLUTION OF DISPERSAL POLYMORPHISMS. Evolution; International Journal of Organic Evolution, 2011, 65, 2461-2469.	2.3	23
49	Risk sensitivity revisited: from individuals to populations. Animal Behaviour, 2011, 82, 875-883.	1.9	4
50	The Mexican mouse opossum (Marmosa mexicana) as a flower visitor at a neotropical palm. Mammalian Biology, 2009, 74, 76-80.	1.5	9