

Daniel Padfield

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

813
citations

759190

12
h-index

713444

21
g-index

28
all docs

28
docs citations

28
times ranked

1070
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid evolution of metabolic traits explains thermal adaptation in phytoplankton. <i>Ecology Letters</i> , 2016, 19, 133-142.	6.4	260
2	Metabolic compensation constrains the temperature dependence of gross primary production. <i>Ecology Letters</i> , 2017, 20, 1250-1260.	6.4	73
3	<i>rTPC</i> and <i>nls.multstart</i> : A new pipeline to fit thermal performance curves in <i>scpr</i> . <i>Methods in Ecology and Evolution</i> , 2021, 12, 1138-1143.	5.2	73
4	Warming impairs trophic transfer efficiency in a long-term field experiment. <i>Nature</i> , 2021, 592, 76-79.	27.8	62
5	Community coalescence: an eco-evolutionary perspective. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190252.	4.0	58
6	Temperature-dependent changes to host-parasite interactions alter the thermal performance of a bacterial host. <i>ISME Journal</i> , 2020, 14, 389-398.	9.8	46
7	Temperature-driven selection on metabolic traits increases the strength of an algal-grazer interaction in naturally warmed streams. <i>Global Change Biology</i> , 2018, 24, 1793-1803.	9.5	36
8	Parallel evolution of <i>Pseudomonas aeruginosa</i> phage resistance and virulence loss in response to phage treatment in vivo and in vitro. <i>ELife</i> , 2022, 11, .	6.0	31
9	Role of carbon allocation efficiency in the temperature dependence of autotroph growth rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7361-E7368.	7.1	29
10	Experimental (co)evolution in a multi-species microbial community results in local maladaptation. <i>Ecology Letters</i> , 2020, 23, 1673-1681.	6.4	29
11	Linking phytoplankton community metabolism to the individual size distribution. <i>Ecology Letters</i> , 2018, 21, 1152-1161.	6.4	21
12	Postrelease movement and habitat selection of translocated pine martens <i>Martes martes</i> . <i>Ecology and Evolution</i> , 2020, 10, 5106-5118.	1.9	16
13	CMRnet: An <i>scpr</i> package to derive networks of social interactions and movement from mark-recapture data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 70-75.	5.2	12
14	Anthropogenic remediation of heavy metals selects against natural microbial remediation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190804.	2.6	11
15	Evolution of diversity explains the impact of pre-adaptation of a focal species on the structure of a natural microbial community. <i>ISME Journal</i> , 2020, 14, 2877-2889.	9.8	9
16	A shared coevolutionary history does not alter the outcome of coalescence in experimental populations of <i>Pseudomonas fluorescens</i> . <i>Journal of Evolutionary Biology</i> , 2019, 32, 58-65.	1.7	8
17	The impact of propagule pressure on whole community invasions in biomethane-producing communities. <i>IScience</i> , 2021, 24, 102659.	4.1	7
18	Compost spatial heterogeneity promotes evolutionary diversification of a bacterium. <i>Journal of Evolutionary Biology</i> , 2021, 34, 246-255.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Greater Phage Genotypic Diversity Constrains Arms-Race Coevolution. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 834406.	3.9	4
20	Disturbance-mediated invasions are dependent on community resource abundance. <i>Ecology</i> , 2022, 103, e3728.	3.2	4
21	Associations between abundances of free-roaming gamebirds and common buzzards <i>Buteo buteo</i> are not driven by consumption of gamebirds in the buzzard breeding season. <i>Ecology and Evolution</i> , 2022, 12, e8877.	1.9	4