

Daniel F Doak

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,151
citations

201674

27
h-index

123424

61
g-index

69
all docs

69
docs citations

69
times ranked

6274
citing authors

#	ARTICLE	IF	CITATIONS
1	LONGEVITY CAN BUFFER PLANT AND ANIMAL POPULATIONS AGAINST CHANGING CLIMATIC VARIABILITY. <i>Ecology</i> , 2008, 89, 19-25.	3.2	386
2	Demographic compensation and tipping points in climate-induced range shifts. <i>Nature</i> , 2010, 467, 959-962.	27.8	381
3	Where and When do Species Interactions Set Range Limits?. <i>Trends in Ecology and Evolution</i> , 2015, 30, 780-792.	8.7	347
4	KILLER APPETITES: ASSESSING THE ROLE OF PREDATORS IN ECOLOGICAL COMMUNITIES. <i>Ecology</i> , 2004, 85, 3373-3384.	3.2	226
5	UNDERSTANDING AND PREDICTING ECOLOGICAL DYNAMICS: ARE MAJOR SURPRISES INEVITABLE. <i>Ecology</i> , 2008, 89, 952-961.	3.2	222
6	Synergy of multiple partners, including freeloaders, increases host fitness in a multispecies mutualism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17234-17239.	7.1	207
7	Spatial Pattern Enhances Ecosystem Functioning in an African Savanna. <i>PLoS Biology</i> , 2010, 8, e1000377.	5.6	198
8	Incorporating local adaptation into forecasts of species'™ distribution and abundance under climate change. <i>Global Change Biology</i> , 2019, 25, 775-793.	9.5	169
9	What is the future of conservation?. <i>Trends in Ecology and Evolution</i> , 2014, 29, 77-81.	8.7	154
10	A global analysis of traits predicting species sensitivity to habitat fragmentation. <i>Global Ecology and Biogeography</i> , 2017, 26, 115-127.	5.8	152
11	Life history of the long-lived gynodioecious cushion plant <i>Silene acaulis</i> (Caryophyllaceae), inferred from size-based population projection matrices. <i>American Journal of Botany</i> , 1998, 85, 784-793.	1.7	124
12	LIFE HISTORY AND VIABILITY OF A LONG-LIVED MARINE INVERTEBRATE: THE OCTOCORALPARAMURICEA CLAVATA. <i>Ecology</i> , 2007, 88, 918-928.	3.2	122
13	Do geographic, climatic or historical ranges differentiate the performance of central versus peripheral populations?. <i>Global Ecology and Biogeography</i> , 2015, 24, 611-620.	5.8	107
14	Demographic compensation among populations: what is it, how does it arise and what are its implications?. <i>Ecology Letters</i> , 2015, 18, 1139-1152.	6.4	96
15	Termites create spatial structure and govern ecosystem function by affecting N ₂ fixation in an East African savanna. <i>Ecology</i> , 2010, 91, 1296-1307.	3.2	95
16	Characterizing Species Interactions to Understand Press Perturbations: What Is the Community Matrix?. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2016, 47, 409-432.	8.3	89
17	Incorporating ecological drivers and uncertainty into a demographic population viability analysis for the island fox. <i>Ecological Monographs</i> , 2009, 79, 77-108.	5.4	65
18	Predicting population consequences of ocean climate change for an ecosystem sentinel, the seabird Cassin's auklet. <i>Global Change Biology</i> , 2010, 16, 1923-1935.	9.5	58

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19	Population viability management: ecological standards to guide adaptive management for rare species. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 158-165.	4.0	57
20	Both life-history plasticity and local adaptation will shape range-wide responses to climate warming in the tundra plant <i>Silene acaulis</i> . <i>Global Change Biology</i> , 2018, 24, 1614-1625.	9.5	57
21	Cryptic herbivores mediate the strength and form of ungulate impacts on a long-lived savanna tree. <i>Ecology</i> , 2011, 92, 1626-1636.	3.2	54
22	Ecological Function Analysis: Incorporating Species Roles into Conservation. <i>Trends in Ecology and Evolution</i> , 2018, 33, 840-850.	8.7	50
23	Recommendations for Improving Recovery Criteria under the US Endangered Species Act. <i>BioScience</i> , 2015, 65, 189-199.	4.9	47
24	Accounting for Life-History Strategies and Timescales in Marine Restoration. <i>Conservation Letters</i> , 2018, 11, e12341.	5.7	45
25	Could residual oil from the Exxon Valdez spill create a long-term population "sink" for sea otters in Alaska?. , 2011, 21, 2917-2932.		43
26	Alternatives to genetic affinity as a context for within-species response to climate. <i>Nature Climate Change</i> , 2019, 9, 787-794.	18.8	37
27	Using Population Viability Criteria to Assess Strategies to Minimize Disease Threats for an Endangered Carnivore. <i>Conservation Biology</i> , 2013, 27, 303-314.	4.7	35
28	Portfolio effects, climate change, and the persistence of small populations: analyses on the rare plant <i>Saussurea weberi</i> . <i>Ecology</i> , 2017, 98, 1071-1081.	3.2	29
29	Climate Tolerances and Habitat Requirements Jointly Shape the Elevational Distribution of the American Pika (<i>Ochotona princeps</i>), with Implications for Climate Change Effects. <i>PLoS ONE</i> , 2015, 10, e0131082.	2.5	28
30	Aridity weakens population-level effects of multiple species interactions on <i>Hibiscus meyeri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 543-548.	7.1	28
31	Varying demographic impacts of different fisheries on three Mediterranean seabird species. <i>Global Change Biology</i> , 2017, 23, 3012-3029.	9.5	27
32	Strong linkages between depth, longevity and demographic stability across marine sessile species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172688.	2.6	26
33	Climatic stress mediates the impacts of herbivory on plant population structure and components of individual fitness. <i>Journal of Ecology</i> , 2013, 101, 1074-1083.	4.0	25
34	Discrepancies in occupancy and abundance approaches to identifying and protecting habitat for an at-risk species. <i>Ecology and Evolution</i> , 2017, 7, 5692-5702.	1.9	23
35	Lichenometric dating of little ice age glacier moraines using explicit demographic models of lichen colonization, growth, and survival. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2014, 96, 21-41.	1.5	22
36	A critical comparison of integral projection and matrix projection models for demographic analysis. <i>Ecological Monographs</i> , 2021, 91, e01447.	5.4	21

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37	Marine protected areas enhance structural complexity but do not buffer the consequences of ocean warming for an overexploited precious coral. <i>Journal of Applied Ecology</i> , 2019, 56, 1063-1074.	4.0	20
38	Modeling vital rates improves estimation of population projection matrices. <i>Population Ecology</i> , 2006, 48, 79-89.	1.2	19
39	Comparative demography of an epiphytic lichen: support for general life history patterns and solutions to common problems in demographic parameter estimation. <i>Oecologia</i> , 2012, 170, 137-146.	2.0	18
40	Long-term response of plant communities to herbivore exclusion at high elevation grasslands. <i>Biodiversity and Conservation</i> , 2015, 24, 3033-3047.	2.6	18
41	The albatross of assessing and managing risk for long-lived pelagic seabirds. <i>Biological Conservation</i> , 2018, 217, 83-95.	4.1	18
42	Climate manipulations differentially affect plant population dynamics within versus beyond northern range limits. <i>Journal of Ecology</i> , 2021, 109, 664-675.	4.0	18
43	Wind and rain are the primary climate factors driving changing phenology of an aerial insectivore. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170412.	2.6	17
44	Multiple mechanisms confer stability to isolated populations of a rare endemic plant. <i>Ecological Monographs</i> , 2019, 89, e01360.	5.4	16
45	Spatial patterning of soil microbial communities created by fungus-farming termites. <i>Molecular Ecology</i> , 2020, 29, 4487-4501.	3.9	15
46	Re-evaluating Evidence for Past Population Trends and Predicted Dynamics of Yellowstone Grizzly Bears. <i>Conservation Letters</i> , 2014, 7, 312-322.	5.7	13
47	Matrix population models from 20 studies of perennial plant populations. <i>Ecology</i> , 2012, 93, 951-951.	3.2	12
48	Climate warming threatens the persistence of a community of disturbance-adapted native annual plants. <i>Ecology</i> , 2021, 102, e03464.	3.2	12
49	Climate and synchrony with conspecifics determine the effects of flowering phenology on reproductive success in <i>Silene acaulis</i> . <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	1.1	10
50	Assessing Behavioral Associations in a Hybrid Zone through Social Network Analysis: Complex Assortative Behaviors Structure Associations in a Hybrid Quail Population. <i>American Naturalist</i> , 2019, 193, 852-865.	2.1	10
51	Latitudinal gradients in population growth do not reflect demographic responses to climate. <i>Ecological Applications</i> , 2021, 31, e2242.	3.8	10
52	Range dynamics mediated by compensatory life stage responses to experimental climate manipulations. <i>Ecology Letters</i> , 2021, 24, 772-780.	6.4	9
53	Asynchrony in individual and subpopulation fecundity stabilizes reproductive output of an alpine plant population. <i>Ecology</i> , 2019, 100, e02639.	3.2	7
54	Moving forward with effective goals and methods for conservation: a reply to Marvier and Kareiva. <i>Trends in Ecology and Evolution</i> , 2014, 29, 132-133.	8.7	6

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55	Breeding transients in capture–recapture modeling and their consequences for local population dynamics. <i>Scientific Reports</i> , 2020, 10, 15815.	3.3	6
56	Demographic consequences of mutualism disruption: Browsing and big-headed ant invasion drive acacia population declines. <i>Ecology</i> , 2022, 103, e3655.	3.2	6
57	Genetically based demographic reconstructions require careful consideration of generation time. <i>Current Biology</i> , 2022, 32, R356-R357.	3.9	6
58	Sampling errors create bias in Markov models for community dynamics: the problem and a method for its solution. <i>Oecologia</i> , 2011, 167, 199-207.	2.0	5
59	Translocation with targeted vaccination is the most effective strategy to protect an island endemic bird threatened by West Nile virus. <i>Diversity and Distributions</i> , 2020, 26, 1104-1115.	4.1	5
60	Resource availability and heterogeneity shape the self-organisation of regular spatial patterning. <i>Ecology Letters</i> , 2021, 24, 1880-1891.	6.4	5
61	Large mammals generate both top-down effects and extended trophic cascades on floral-visitor assemblages. <i>Journal of Tropical Ecology</i> , 2019, 35, 185-198.	1.1	4
62	Improving structured population models with more realistic representations of non-normal growth. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1431-1444.	5.2	4
63	Dynamic shifts in social network structure and composition within a breeding hybrid population. <i>Journal of Animal Ecology</i> , 2021, 90, 197-211.	2.8	3
64	Understanding extinction risk and resilience in an extremely small population facing climate and ecosystem change. <i>Ecosphere</i> , 2021, 12, e03724.	2.2	3
65	Measurement error of state variables creates substantial bias in results of demographic population models. <i>Ecology</i> , 2018, 99, 2308-2317.	3.2	2
66	Empirical test of increasing genetic variation via inter-population crossing for native plant restoration in variable environments. <i>Restoration Ecology</i> , 0, , .	2.9	1
67	Van Manen <i>et al.</i> , <i>Doth Protest too Much: New Analyses of the Yellowstone Grizzly Population Confirm the Need to Reevaluate Past Population Trends</i> . <i>Conservation Letters</i> , 2014, 7, 332-333.	5.7	0
68	Testing Demographic Methods Using Field Studies of Five Dissimilar Species. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01870.	0.2	0