

# Bret D Elderd

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,266  
citations

361413

20  
h-index

395702

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4218-4227.	7.1	108
2	Moving forward in circles: challenges and opportunities in modelling population cycles. <i>Ecology Letters</i> , 2017, 20, 1074-1092.	6.4	100
3	Virulence-driven trade-offs in disease transmission: A meta-analysis*. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 636-647.	2.3	89
4	Uncertainty in predictions of disease spread and public health responses to bioterrorism and emerging diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15693-15697.	7.1	88
5	Induced plant defenses, host-pathogen interactions, and forest insect outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14978-14983.	7.1	86
6	Host-Pathogen Interactions, Insect Outbreaks, and Natural Selection for Disease Resistance. <i>American Naturalist</i> , 2008, 172, 829-842.	2.1	69
7	Pathogen Persistence in the Environment and Insect-Baculovirus Interactions: Disease-Density Thresholds, Epidemic Burnout, and Insect Outbreaks. <i>American Naturalist</i> , 2012, 179, E70-E96.	2.1	59
8	Comparing the direct and community-mediated effects of disturbance on plant population dynamics: flooding, herbivory and <i>Mimulus guttatus</i> . <i>Journal of Ecology</i> , 2006, 94, 656-669.	4.0	56
9	Host behaviour and exposure risk in an insect-pathogen interaction. <i>Journal of Animal Ecology</i> , 2010, 79, 863-870.	2.8	52
10	Warmer temperatures increase disease transmission and outbreak intensity in a host-pathogen system. <i>Journal of Animal Ecology</i> , 2014, 83, 838-849.	2.8	48
11	The Scientific Foundations of Habitat Conservation Plans: a Quantitative Assessment. <i>Conservation Biology</i> , 2001, 15, 488-500.	4.7	45
12	Climate change and an invasive, tropical milkweed: an ecological trap for monarch butterflies. <i>Ecology</i> , 2018, 99, 1031-1038.	3.2	43
13	The effect of demographic correlations on the stochastic population dynamics of perennial plants. <i>Ecological Monographs</i> , 2016, 86, 480-494.	5.4	38
14	Quantifying demographic uncertainty: Bayesian methods for integral projection models. <i>Ecological Monographs</i> , 2016, 86, 125-144.	5.4	36
15	Social constraints on the onset of incubation in a neotropical parrot: a nestbox addition experiment. <i>Animal Behaviour</i> , 1998, 55, 21-32.	1.9	34
16	Developing Models of Disease Transmission: Insights from Ecological Studies of Insects and Their Baculoviruses. <i>PLoS Pathogens</i> , 2013, 9, e1003372.	4.7	31
17	THE IMPACT OF CHANGING FLOW REGIMES ON RIPARIAN VEGETATION AND THE RIPARIAN SPECIES <i>MIMULUS GUTTATUS</i> . , 2003, 13, 1610-1625.		30
18	The negative effects of pathogen-infected prey on predators: a meta-analysis. <i>Oikos</i> , 2016, 125, 1554-1560.	2.7	28

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19	Hydrology, habitat change and population demography: an individual-based model for the endangered Cape Sable seaside sparrow <i>Ammodramus maritimus mirabilis</i> . <i>Journal of Applied Ecology</i> , 2008, 45, 258-268.	4.0	24
20	Cannibalism and Infectious Disease: Friends or Foes?. <i>American Naturalist</i> , 2017, 190, 299-312.	2.1	24
21	The effect of density-dependent catastrophes on population persistence time. <i>Journal of Applied Ecology</i> , 2003, 40, 859-871.	4.0	23
22	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021, 24, 2378-2393.	6.4	21
23	Disturbance-mediated trophic interactions and plant performance. <i>Oecologia</i> , 2006, 147, 261-271.	2.0	17
24	Population-level differences in disease transmission: A Bayesian analysis of multiple smallpox epidemics. <i>Epidemics</i> , 2013, 5, 146-156.	3.0	15
25	Effects of biological control on long-term population dynamics: identifying unexpected outcomes. <i>Journal of Applied Ecology</i> , 2014, 51, 90-101.	4.0	15
26	Bias in population growth rate estimation: sparse data, partial life cycle analysis and Jensen's inequality. <i>Oikos</i> , 2008, 117, 1587-1593.	2.7	12
27	No escape: The influence of substrate sodium on plant growth and tissue sodium responses. <i>Ecology and Evolution</i> , 2021, 11, 14231-14249.	1.9	11
28	Overdispersed Spatial Patterning of Dominant Bunchgrasses in Southeastern Pine Savannas. <i>American Naturalist</i> , 2018, 191, 658-667.	2.1	10
29	Bottom-up trait-mediated indirect effects decrease pathogen transmission in a tritrophic system. <i>Ecology</i> , 2019, 100, e02551.	3.2	10
30	Plant genotype and induced defenses affect the productivity of an insect-killing obligate viral pathogen. <i>Journal of Invertebrate Pathology</i> , 2017, 148, 34-42.	3.2	9
31	No appendix necessary: Fecal transplants and antibiotics can resolve <i>Clostridium difficile</i> infection. <i>Journal of Theoretical Biology</i> , 2018, 442, 139-148.	1.7	9
32	A Tale of Two Transcriptomic Responses in Agricultural Pests via Host Defenses and Viral Replication. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3568.	4.1	8
33	Intraguild predation decreases predator fitness with potentially varying effects on pathogen transmission in a herbivore host. <i>Oecologia</i> , 2020, 193, 789-799.	2.0	5
34	Jasmonic acid-induced resistance to fall armyworm in soybeans: Variation among genotypes and tradeoffs with constitutive resistance. <i>Basic and Applied Ecology</i> , 2021, 56, 97-109.	2.7	3
35	Bayesian-based survival analysis: inferring time to death in host-pathogen interactions. <i>Environmental and Ecological Statistics</i> , 2019, 26, 17-45.	3.5	2
36	Looking across scales in disease ecology and evolution. <i>American Naturalist</i> , 2022, 199, 51-58.	2.1	2

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37	Examining the Effects of Induced Plant Defenses on Spodoptera frugiperda Performance. Applied Sciences (Switzerland), 2022, 12, 3907.	2.5	2
38	Using insect baculoviruses to understand how population structure affects disease spread. , 2019, , 225-261.		1
39	Hitching a Ride: Examining the Ability of a Specialist Baculovirus to Translocate through Its Insect Host's Food Plant. Pathogens, 2021, 10, 1500.	2.8	1
40	A note on species richness and the variance of epidemic severity. Journal of Mathematical Biology, 2020, 80, 2055-2074.	1.9	0
41	Green Revolutions. Science, 1999, 283, 1265-1265.	12.6	0