

# Benjamin Gilbert

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

5,012  
citations

147801

31  
h-index

98798

67  
g-index

86  
all docs

86  
docs citations

86  
times ranked

7494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased temperature variation poses a greater risk to species than climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132612.	2.6	674
2	Neutrality, niches, and dispersal in a temperate forest understory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7651-7656.	7.1	415
3	Plant invasions and the niche. <i>Journal of Ecology</i> , 2009, 97, 609-615.	4.0	379
4	Partitioning variation in ecological communities: do the numbers add up?. <i>Journal of Applied Ecology</i> , 2010, 47, 1071-1082.	4.0	285
5	A bioenergetic framework for the temperature dependence of trophic interactions. <i>Ecology Letters</i> , 2014, 17, 902-914.	6.4	268
6	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	186
7	INVASIBILITY AND ABIOTIC GRADIENTS: THE POSITIVE CORRELATION BETWEEN NATIVE AND EXOTIC PLANT DIVERSITY. <i>Ecology</i> , 2005, 86, 1848-1855.	3.2	166
8	Theoretical Predictions for How Temperature Affects the Dynamics of Interacting Herbivores and Plants. <i>American Naturalist</i> , 2011, 178, 626-638.	2.1	162
9	Plant invasions and extinction debts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1744-1749.	7.1	159
10	LIFE HISTORY TRADE-OFFS IN TROPICAL TREES AND LIANAS. <i>Ecology</i> , 2006, 87, 1281-1288.	3.2	144
11	FERN COMMUNITY ASSEMBLY: THE ROLES OF CHANCE AND THE ENVIRONMENT AT LOCAL AND INTERMEDIATE SCALES. <i>Ecology</i> , 2005, 86, 2473-2486.	3.2	143
12	The Invasion Criterion: A Common Currency for Ecological Research. <i>Trends in Ecology and Evolution</i> , 2019, 34, 925-935.	8.7	117
13	The Body Size Dependence of Trophic Cascades. <i>American Naturalist</i> , 2015, 185, 354-366.	2.1	110
14	Ecological drift and the distribution of species diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170507.	2.6	109
15	Applying modern coexistence theory to priority effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6205-6210.	7.1	95
16	Dispersal and diversity in experimental metacommunities: linking theory and practice. <i>Oikos</i> , 2016, 125, 1213-1223.	2.7	84
17	The "filtering" metaphor revisited: competition and environment jointly structure invasibility and coexistence. <i>Biology Letters</i> , 2018, 14, 20180460.	2.3	81
18	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	12.8	75

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19	Why Are Predators More Sensitive to Habitat Size than Their Prey? Insights from Bromeliad Insect Food Webs. <i>American Naturalist</i> , 2008, 172, 761-771.	2.1	73
20	Species coexistence: macroevolutionary relationships and the contingency of historical interactions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160047.	2.6	73
21	Predator personality structures prey communities and trophic cascades. <i>Ecology Letters</i> , 2017, 20, 366-374.	6.4	68
22	Can Neutral Theory Predict the Responses of Amazonian Tree Communities to Forest Fragmentation?. <i>American Naturalist</i> , 2006, 168, 304-317.	2.1	59
23	Niche partitioning at multiple scales facilitates coexistence among mosquito larvae. <i>Oikos</i> , 2008, 117, 944-950.	2.7	58
24	Contrasting beta diversity among regions: how do classical and multivariate approaches compare?. <i>Global Ecology and Biogeography</i> , 2016, 25, 368-377.	5.8	51
25	<i>Thuja plicata</i> exclusion in ectomycorrhiza-dominated forests: testing the role of inoculum potential of arbuscular mycorrhizal fungi. <i>Oecologia</i> , 2005, 143, 148-156.	2.0	48
26	When to monitor and when to act: Value of information theory for multiple management units and limited budgets. <i>Journal of Applied Ecology</i> , 2018, 55, 2102-2113.	4.0	48
27	Dominant Species and Diversity: Linking Relative Abundance to Controls of Species Establishment. <i>American Naturalist</i> , 2009, 174, 850-862.	2.1	45
28	Dispersal mode mediates the effect of patch size and patch connectivity on metacommunity diversity. <i>Journal of Ecology</i> , 2015, 103, 935-944.	4.0	45
29	Constraints on the functional trait space of aquatic invertebrates in bromeliads. <i>Functional Ecology</i> , 2018, 32, 2435-2447.	3.6	41
30	Climate and local environment structure asynchrony and the stability of primary production in grasslands. <i>Global Ecology and Biogeography</i> , 2020, 29, 1177-1188.	5.8	41
31	Temperature-dependent variation in the extrinsic incubation period elevates the risk of vector-borne disease emergence. <i>Epidemics</i> , 2020, 30, 100382.	3.0	38
32	Experimental dispersal reveals characteristic scales of biodiversity in a natural landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4447-4452.	7.1	36
33	Hidden responses to environmental variation: maternal effects reveal species niche dimensions. <i>Ecology Letters</i> , 2014, 17, 662-669.	6.4	35
34	Changing climate cues differentially alter zooplankton dormancy dynamics across latitudes. <i>Journal of Animal Ecology</i> , 2016, 85, 559-569.	2.8	33
35	Temperature-Dependent Species Interactions Shape Priority Effects and the Persistence of Unequal Competitors. <i>American Naturalist</i> , 2018, 191, 197-209.	2.1	32
36	Species Differences in Phenology Shape Coexistence. <i>American Naturalist</i> , 2020, 195, E168-E180.	2.1	32

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37	EVOLUTION OF THE STORAGE EFFECT. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 315-327.	2.3	27
38	Community assembly along a successional gradient in subalpine meadows of the Qinghai-Tibetan Plateau, China. <i>Oikos</i> , 2013, 122, 952-960.	2.7	26
39	Cannibalism by damselflies increases with rising temperature. <i>Biology Letters</i> , 2017, 13, 20170175.	2.3	24
40	Historical anthropogenic disturbances influence patterns of non-native earthworm and plant invasions in a temperate primary forest. <i>Biological Invasions</i> , 2015, 17, 1267-1281.	2.4	23
41	Host-parasitoid evolution in a metacommunity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160477.	2.6	23
42	Trait-mediated community assembly: distinguishing the signatures of biotic and abiotic filters. <i>Oikos</i> , 2017, 126, 1112-1122.	2.7	21
43	Expression of Concern: Trait variation across biological scales shapes community structure and ecosystem function. <i>Ecology</i> , 2019, 100, e02769.	3.2	20
44	Joint consequences of dispersal and niche overlap on local diversity and resource use. <i>Journal of Ecology</i> , 2012, 100, 287-296.	4.0	18
45	Fragment size affects plant herbivory via predator loss. <i>Oikos</i> , 2017, 126, 1357-1365.	2.7	17
46	Biotic forcing: the push-pull of plant ranges. <i>Plant Ecology</i> , 2016, 217, 1331-1344.	1.6	16
47	Grazer exclusion alters plant spatial organization at multiple scales, increasing diversity. <i>Ecology and Evolution</i> , 2013, 3, 3604-3612.	1.9	15
48	Predators modify biogeographic constraints on species distributions in an insect metacommunity. <i>Ecology</i> , 2017, 98, 851-860.	3.2	15
49	Climate warming moderates the impacts of introduced sportfish on multiple dimensions of prey biodiversity. <i>Global Change Biology</i> , 2020, 26, 4937-4951.	9.5	15
50	The impact of land-use change on larval insect communities: Testing the role of habitat elements in conservation. <i>Ecoscience</i> , 2008, 15, 160-168.	1.4	13
51	Climate change and species interactions: beyond local communities. <i>Annals of the New York Academy of Sciences</i> , 2013, 1297, 98-111.	3.8	13
52	Species Turnover through Time: Colonization and Extinction Dynamics across Metacommunities. <i>American Naturalist</i> , 2016, 187, 786-796.	2.1	13
53	Species niches, not traits, determine abundance and occupancy patterns: A multisite synthesis. <i>Global Ecology and Biogeography</i> , 2020, 29, 295-308.	5.8	13
54	Physiology underlies the assembly of ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6016-6021.	7.1	12

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55	Maternal provisioning is structured by speciesâ€™ competitive neighborhoods. <i>Oikos</i> , 2019, 128, 45-53.	2.7	12
56	Factors limiting the early survivorship of <i>Thuja plicata</i> on northern Vancouver Island, British Columbia. <i>Canadian Journal of Forest Research</i> , 2003, 33, 854-861.	1.7	11
57	Multi-scale responses to warming in an experimental insect metacommunity. <i>Global Change Biology</i> , 2017, 23, 5151-5163.	9.5	10
58	&lt;i>Taraxacum officinale&/i> pollen depresses seed set of montane wildflowers through pollen allelopathy. <i>Journal of Pollination Ecology</i> , 0, 13, 146-150.	0.5	10
59	Application of modern coexistence theory to rare plant restoration provides early indication of restoration trajectories. <i>Ecological Applications</i> , 2022, 32, e2649.	3.8	10
60	Multiple-pathway succession in coastal <i>Tsuga heterophylla</i> , <i>Thuja plicata</i> , and <i>Abies amabilis</i> forests on northeastern Vancouver Island, British Columbia. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1145-1155.	1.7	9
61	Trait dimensionality and population choice alter estimates of phenotypic dissimilarity. <i>Ecology and Evolution</i> , 2017, 7, 2273-2285.	1.9	9
62	Survival and growth as measures of shade tolerance of planted western redcedar, western hemlock and amabilis fir seedlings in hemlock-fir forests of northern Vancouver Island. <i>Forest Ecology and Management</i> , 2017, 386, 13-21.	3.2	8
63	Positive correlation between dispersal and body size in Green Frogs ( <i>Rana clamitans</i> ) naturally colonizing an experimental landscape. <i>Canadian Journal of Zoology</i> , 2018, 96, 1378-1384.	1.0	7
64	Combining species distribution models and value of information analysis for spatial allocation of conservation resources. <i>Journal of Applied Ecology</i> , 2020, 57, 819-830.	4.0	6
65	Abiotic heterogeneity underlies trait-based competition and assembly. <i>Journal of Ecology</i> , 2019, 107, 747-756.	4.0	5
66	Ecological and Evolutionary Stochasticity Shape Natural Selection. <i>American Naturalist</i> , 2020, 195, 705-716.	2.1	4
67	Parallel responses of species diversity and functional diversity to changes in patch size are driven by distinct processes. <i>Journal of Ecology</i> , 2021, 109, 793-805.	4.0	4
68	Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. <i>Ecography</i> , 2021, 44, 440-452.	4.5	4
69	Timing of short-term drought structures plant-herbivore dynamics. <i>Oikos</i> , 2022, 2022, .	2.7	4
70	An invasive herbivore structures plant competitive dynamics. <i>Biology Letters</i> , 2017, 13, 20170374.	2.3	3
71	Plant sex alters Allee effects in aggregating plant parasites. <i>Oikos</i> , 2018, 127, 792-802.	2.7	3
72	Population- and community-level rarity have opposing effects on pollinator visitation and seed set. <i>Journal of Ecology</i> , 2020, 108, 1835-1844.	4.0	3

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73	Geographic signatures in species turnover: decoupling colonization and extinction across a latitudinal gradient. <i>Oikos</i> , 2018, 127, 507-517.	2.7	2
74	Maternal effects and the outcome of interspecific competition. <i>Ecology and Evolution</i> , 2021, 11, 7544-7556.	1.9	2
75	Linking Landscapes and Metacommunities. , 2017, , 255-271.		0