## Mathew A Leibold

List of Publications by Year in descending order

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Version: 2024-02-01



#	Article	IF	CITATIONS
1	The internal structure of metacommunities. Oikos, 2022, 2022, .	2.7	32
2	Community variability in pond metacommunities: interactive effects of predators and isolation on stochastic community assembly. Oikos, 2022, 2022, .	2.7	2
3	Integrating fundamental processes to understand ecoâ€evolutionary community dynamics and patterns. Functional Ecology, 2021, 35, 2138-2155.	3.6	11
4	Top predator introduction changes the effects of spatial isolation on freshwater community structure. Ecology, 2021, 102, e03500.	3.2	10
5	Predator complementarity dampens variability of phytoplankton biomass in a diversityâ€stability trophic cascade. Ecology, 2021, 102, e03534.	3.2	5
6	Editorial: Microbial Landscape Ecology: Highlights on the Invisible Corridors. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	2
7	A Landscape of Opportunities for Microbial Ecology Research. Frontiers in Microbiology, 2020, 11, 561427.	3.5	34
8	Temporal stability vs. community matrix measures of stability and the role of weak interactions. Ecology Letters, 2020, 23, 1468-1478.	6.4	15
9	Evolutionary origins for ecological patterns in space. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17482-17490.	7.1	55
10	How Does the Landscape Affect Metacommunity Structure? A Quantitative Review for Lentic Environments. Current Landscape Ecology Reports, 2020, 5, 68-75.	2.2	12
11	Key colonist pools and habitat filters mediate the composition of fiddler crab–associated bacterial communities. Ecology, 2019, 100, e02628.	3.2	12
12	Dormancy in Metacommunities. American Naturalist, 2019, 194, 135-151.	2.1	62
13	Towards an applied metaecology. Perspectives in Ecology and Conservation, 2019, 17, 172-181.	1.9	30
14	Regional neutrality evolves through local adaptive niche evolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2612-2617.	7.1	41
15	Multiple colonist pools shape fiddler crab-associated bacterial communities. ISME Journal, 2018, 12, 825-837.	9.8	22
16	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems ( <scp>CAFE</scp> ) approach. Ecology Letters, 2018, 21, 167-180.	6.4	94
17	Testing the keystone community concept: effects of landscape, patch removal, and environment on metacommunity structure. Ecology, 2018, 99, 57-67.	3.2	11
18	Metacommunities, metaecosystems and the environmental fate of chemical contaminants. Journal of Applied Ecology, 2018, 55, 1553-1563.	4.0	32

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19	Environmental DNA Time Series in Ecology. Trends in Ecology and Evolution, 2018, 33, 945-957.	8.7	152
20	An integrative framework of coexistence mechanisms in competitive metacommunities. Ecography, 2017, 40, 630-641.	4.5	42
21	Predators regulate prey species sorting and spatial distribution in microbial landscapes. Journal of Animal Ecology, 2017, 86, 501-510.	2.8	19
22	How lifeâ€history traits affect ecosystem properties: effects of dispersal in metaâ€ecosystems. Oikos, 2017, 126, 532-546.	2.7	54
23	Community assembly and the functioning of ecosystems: how metacommunity processes alter ecosystems attributes. Ecology, 2017, 98, 909-919.	3.2	164
24	Herbivory enhances the diversity of primary producers in pond ecosystems. Ecology, 2017, 98, 48-56.	3.2	12
25	Compensatory dynamics stabilize aggregate community properties in response to multiple types of perturbations. Ecology, 2016, 97, 2021-2033.	3.2	38
26	Stability and complexity in model meta-ecosystems. Nature Communications, 2016, 7, 12457.	12.8	149
27	Multiple diversity–stability mechanisms enhance population and community stability in aquatic food webs. Ecology, 2014, 95, 173-184.	3.2	71
28	Life history traits, but not phylogeny, drive compositional patterns in a butterfly metacommunity. Ecology, 2014, 95, 3304-3313.	3.2	31
29	The dynamics of community assembly under sudden mixing in experimental microcosms. Ecology, 2013, 94, 2898-2906.	3.2	27
30	Predation inhibits the positive effect of dispersal on intraspecific and interspecific synchrony in pond metacommunities. Ecology, 2013, 94, 2220-2228.	3.2	14
31	Urban parakeets in Northern Illinois: A 40-year perspective. Urban Ecosystems, 2012, 15, 709-719.	2.4	18
32	Assessing the effects of spatial contingency and environmental filtering on metacommunity phylogenetics. Ecology, 2012, 93, S14.	3.2	105
33	Population Differentiation in <i>Daphnia</i> Alters Community Assembly in Experimental Ponds. American Naturalist, 2011, 177, 314-322.	2.1	10
34	Species richness facilitates ecosystem resilience in aquatic food webs. Freshwater Biology, 2010, 55, 2123-2137.	2.4	75
35	Metacommunity phylogenetics: separating the roles of environmental filters and historical biogeography. Ecology Letters, 2010, 13, 1290-1299.	6.4	175
36	ENVIRONMENTAL FLUCTUATIONS INDUCE SCALEâ€DEPENDENT COMPENSATION AND INCREASE STABILITY IN PLANKTON ECOSYSTEMS. Ecology, 2008, 89, 3204-3214.	3.2	64

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37	The evolutionary ecology of metacommunities. Trends in Ecology and Evolution, 2008, 23, 311-317.	8.7	253
38	Evolution in Metacommunities: On the Relative Importance of Species Sorting and Monopolization in Structuring Communities. American Naturalist, 2008, 171, 788-799.	2.1	96
39	COEXISTENCE OF THE NICHE AND NEUTRAL PERSPECTIVES IN COMMUNITY ECOLOGY. Ecology, 2006, 87, 1399-1410.	3.2	581
40	CONSTRAINTS ON PRIMARY PRODUCER N:P STOICHIOMETRY ALONG N:P SUPPLY RATIO GRADIENTS. Ecology, 2005, 86, 1894-1904.	3.2	120
41	From Metapopulations to Metacommunities. , 2004, , 133-150.		52
42	Alternative stable states and regional community structure. Journal of Theoretical Biology, 2004, 227, 359-368.	1.7	102
43	CYCLIC ASSEMBLY TRAJECTORIES AND SCALE-DEPENDENT PRODUCTIVITY–DIVERSITY RELATIONSHIPS. Ecology, 2004, 85, 107-113.	3.2	102
44	STOICHIOMETRY AND PLANKTONIC GRAZER COMPOSITION OVER GRADIENTS OF LIGHT, NUTRIENTS, AND PREDATION RISK. Ecology, 2004, 85, 2291-2301.	3.2	66
45	Biodiversity in metacommunities: Plankton as complex adaptive systems?. Limnology and Oceanography, 2004, 49, 1278-1289.	3.1	167
46	Bacterial diversity patterns along a gradient of primary productivity. Ecology Letters, 2003, 6, 613-622.	6.4	267
47	Coherence, species turnover, and boundary clumping: elements of meta-community structure. Oikos, 2002, 97, 237-250.	2.7	377
48	A FUNDAMENTAL TRADE-OFF IN RESOURCE EXPLOITATION BYDAPHNIAAND CONSEQUENCES TO PLANKTON COMMUNITIES. Ecology, 2000, 81, 826-841.	3.2	96
49	Plant tolerance and resistance in food webs: community-level predictions and evolutionary implications. Evolutionary Ecology, 2000, 14, 289-314.	1.2	51
50	THE EFFECTS OF PRODUCTIVITY, HERBIVORY, AND PLANT SPECIES TURNOVER IN GRASSLAND FOOD WEBS. Ecology, 2000, 81, 2485-2497.	3.2	176
51	LOCAL AND REGIONAL ZOOPLANKTON SPECIES RICHNESS: A SCALE-INDEPENDENT TEST FOR SATURATION. Ecology, 2000, 81, 3062-3073.	3.2	183
52	Local and Regional Zooplankton Species Richness: A Scale-Independent Test for Saturation. Ecology, 2000, 81, 3062.	3.2	11
53	The Effects of Productivity, Herbivory, and Plant Species Turnover in Grassland Food Webs. Ecology, 2000, 81, 2485.	3.2	15
54	Similarity and local co-existence of species in regional biotas. Evolutionary Ecology, 1998, 12, 95-110.	1.2	151

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55	SPECIES TURNOVER AND THE REGULATION OF TROPHIC STRUCTURE. Annual Review of Ecology, Evolution, and Systematics, 1997, 28, 467-494.	6.7	292
56	Habitat use and ecological specialization within lake Daphnia populations. Oecologia, 1997, 109, 561-570.	2.0	44
57	Do nutrient-competition models predict nutrient availabilities in limnetic ecosystems?. Oecologia, 1997, 110, 132-142.	2.0	18
58	A Graphical Model of Keystone Predators in Food Webs: Trophic Regulation of Abundance, Incidence, and Diversity Patterns in Communities. American Naturalist, 1996, 147, 784-812.	2.1	532
59	GENETIC, ACCLIMATIZATION, AND ONTOGENETIC EFFECTS ON HABITAT SELECTION BEHAVIOR IN <i>DAPHNIA PULICARIA</i> . Evolution; International Journal of Organic Evolution, 1994, 48, 1324-1332.	2.3	27
60	Experimental methods for measuring the effect of light acclimation on vertical migration by Daphnia in the field. Limnology and Oceanography, 1993, 38, 638-643.	3.1	7
61	Population dynamics and bodyâ€size selection in Daphnia. Limnology and Oceanography, 1992, 37, 1-13.	3.1	74
62	Interactions between food-web structure and nutrients on pond organisms. Nature, 1992, 360, 341-343.	27.8	113
63	Beetle Model: <i>Population Dynamics and the Tribollum Model</i> . Genetics and Demography. Robert F. Costantino and Robert A. Desharnais. Springer-Verlag, New York, 1991. xii, 258 pp., illus. \$89. Monographs on Theoretical and Applied Genetics, 13 Science, 1992, 256, 1838-1838.	12.6	0
64	Beetle Model: <i>Population Dynamics and the Tribollum Model</i> . Genetics and Demography. Robert F. Costantino and Robert A. Desharnais. Springer-Verlag, New York, 1991. xii, 258 pp., illus. \$89. Monographs on Theoretical and Applied Genetics, 13 Science, 1992, 256, 1838-1838.	12.6	0
65	Contrasting patterns of body size for Daphnia species that segregate by habitat. Oecologia, 1991, 86, 342-348.	2.0	102
66	Resources and predators can affect the vertical distributions of zooplankton. Limnology and Oceanography, 1990, 35, 938-944.	3.1	78