

Mathew A Leibold

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

7,687
citations

117571

34
h-index

114418

63
g-index

84
all docs

84
docs citations

84
times ranked

9143
citing authors

#	ARTICLE	IF	CITATIONS
1	COEXISTENCE OF THE NICHE AND NEUTRAL PERSPECTIVES IN COMMUNITY ECOLOGY. <i>Ecology</i> , 2006, 87, 1399-1410.	1.5	581
2	A Graphical Model of Keystone Predators in Food Webs: Trophic Regulation of Abundance, Incidence, and Diversity Patterns in Communities. <i>American Naturalist</i> , 1996, 147, 784-812.	1.0	532
3	Coherence, species turnover, and boundary clumping: elements of meta-community structure. <i>Oikos</i> , 2002, 97, 237-250.	1.2	377
4	SPECIES TURNOVER AND THE REGULATION OF TROPHIC STRUCTURE. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1997, 28, 467-494.	6.7	292
5	Bacterial diversity patterns along a gradient of primary productivity. <i>Ecology Letters</i> , 2003, 6, 613-622.	3.0	267
6	The evolutionary ecology of metacommunities. <i>Trends in Ecology and Evolution</i> , 2008, 23, 311-317.	4.2	253
7	LOCAL AND REGIONAL ZOOPLANKTON SPECIES RICHNESS: A SCALE-INDEPENDENT TEST FOR SATURATION. <i>Ecology</i> , 2000, 81, 3062-3073.	1.5	183
8	THE EFFECTS OF PRODUCTIVITY, HERBIVORY, AND PLANT SPECIES TURNOVER IN GRASSLAND FOOD WEBS. <i>Ecology</i> , 2000, 81, 2485-2497.	1.5	176
9	Metacommunity phylogenetics: separating the roles of environmental filters and historical biogeography. <i>Ecology Letters</i> , 2010, 13, 1290-1299.	3.0	175
10	Biodiversity in metacommunities: Plankton as complex adaptive systems?. <i>Limnology and Oceanography</i> , 2004, 49, 1278-1289.	1.6	167
11	Community assembly and the functioning of ecosystems: how metacommunity processes alter ecosystems attributes. <i>Ecology</i> , 2017, 98, 909-919.	1.5	164
12	Environmental DNA Time Series in Ecology. <i>Trends in Ecology and Evolution</i> , 2018, 33, 945-957.	4.2	152
13	Similarity and local co-existence of species in regional biotas. <i>Evolutionary Ecology</i> , 1998, 12, 95-110.	0.5	151
14	Stability and complexity in model meta-ecosystems. <i>Nature Communications</i> , 2016, 7, 12457.	5.8	149
15	CONSTRAINTS ON PRIMARY PRODUCER N:P STOICHIOMETRY ALONG N:P SUPPLY RATIO GRADIENTS. <i>Ecology</i> , 2005, 86, 1894-1904.	1.5	120
16	Interactions between food-web structure and nutrients on pond organisms. <i>Nature</i> , 1992, 360, 341-343.	13.7	113
17	Assessing the effects of spatial contingency and environmental filtering on metacommunity phylogenetics. <i>Ecology</i> , 2012, 93, S14.	1.5	105
18	Contrasting patterns of body size for <i>Daphnia</i> species that segregate by habitat. <i>Oecologia</i> , 1991, 86, 342-348.	0.9	102

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19	Alternative stable states and regional community structure. <i>Journal of Theoretical Biology</i> , 2004, 227, 359-368.	0.8	102
20	CYCLIC ASSEMBLY TRAJECTORIES AND SCALE-DEPENDENT PRODUCTIVITY-DIVERSITY RELATIONSHIPS. <i>Ecology</i> , 2004, 85, 107-113.	1.5	102
21	A FUNDAMENTAL TRADE-OFF IN RESOURCE EXPLOITATION BY DAPHNIA AND CONSEQUENCES TO PLANKTON COMMUNITIES. <i>Ecology</i> , 2000, 81, 826-841.	1.5	96
22	Evolution in Metacommunities: On the Relative Importance of Species Sorting and Monopolization in Structuring Communities. <i>American Naturalist</i> , 2008, 171, 788-799.	1.0	96
23	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFE) approach. <i>Ecology Letters</i> , 2018, 21, 167-180.	3.0	94
24	Resources and predators can affect the vertical distributions of zooplankton. <i>Limnology and Oceanography</i> , 1990, 35, 938-944.	1.6	78
25	Species richness facilitates ecosystem resilience in aquatic food webs. <i>Freshwater Biology</i> , 2010, 55, 2123-2137.	1.2	75
26	Population dynamics and body-size selection in <i>Daphnia</i> . <i>Limnology and Oceanography</i> , 1992, 37, 1-13.	1.6	74
27	Multiple diversity-stability mechanisms enhance population and community stability in aquatic food webs. <i>Ecology</i> , 2014, 95, 173-184.	1.5	71
28	STOICHIOMETRY AND PLANKTONIC GRAZER COMPOSITION OVER GRADIENTS OF LIGHT, NUTRIENTS, AND PREDATION RISK. <i>Ecology</i> , 2004, 85, 2291-2301.	1.5	66
29	ENVIRONMENTAL FLUCTUATIONS INDUCE SCALE-DEPENDENT COMPENSATION AND INCREASE STABILITY IN PLANKTON ECOSYSTEMS. <i>Ecology</i> , 2008, 89, 3204-3214.	1.5	64
30	Dormancy in Metacommunities. <i>American Naturalist</i> , 2019, 194, 135-151.	1.0	62
31	Evolutionary origins for ecological patterns in space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17482-17490.	3.3	55
32	How life-history traits affect ecosystem properties: effects of dispersal in meta-ecosystems. <i>Oikos</i> , 2017, 126, 532-546.	1.2	54
33	From Metapopulations to Metacommunities. , 2004, , 133-150.		52
34	Plant tolerance and resistance in food webs: community-level predictions and evolutionary implications. <i>Evolutionary Ecology</i> , 2000, 14, 289-314.	0.5	51
35	Habitat use and ecological specialization within lake <i>Daphnia</i> populations. <i>Oecologia</i> , 1997, 109, 561-570.	0.9	44
36	An integrative framework of coexistence mechanisms in competitive metacommunities. <i>Ecography</i> , 2017, 40, 630-641.	2.1	42

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37	Regional neutrality evolves through local adaptive niche evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2612-2617.	3.3	41
38	Compensatory dynamics stabilize aggregate community properties in response to multiple types of perturbations. <i>Ecology</i> , 2016, 97, 2021-2033.	1.5	38
39	A Landscape of Opportunities for Microbial Ecology Research. <i>Frontiers in Microbiology</i> , 2020, 11, 561427.	1.5	34
40	Metacommunities, metaecosystems and the environmental fate of chemical contaminants. <i>Journal of Applied Ecology</i> , 2018, 55, 1553-1563.	1.9	32
41	The internal structure of metacommunities. <i>Oikos</i> , 2022, 2022, .	1.2	32
42	Life history traits, but not phylogeny, drive compositional patterns in a butterfly metacommunity. <i>Ecology</i> , 2014, 95, 3304-3313.	1.5	31
43	Towards an applied metaecology. <i>Perspectives in Ecology and Conservation</i> , 2019, 17, 172-181.	1.0	30
44	GENETIC, ACCLIMATIZATION, AND ONTOGENETIC EFFECTS ON HABITAT SELECTION BEHAVIOR IN <i>DAPHNIA PULICARIA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1324-1332.	1.1	27
45	The dynamics of community assembly under sudden mixing in experimental microcosms. <i>Ecology</i> , 2013, 94, 2898-2906.	1.5	27
46	Multiple colonist pools shape fiddler crab-associated bacterial communities. <i>ISME Journal</i> , 2018, 12, 825-837.	4.4	22
47	Predators regulate prey species sorting and spatial distribution in microbial landscapes. <i>Journal of Animal Ecology</i> , 2017, 86, 501-510.	1.3	19
48	Do nutrient-competition models predict nutrient availabilities in limnetic ecosystems?. <i>Oecologia</i> , 1997, 110, 132-142.	0.9	18
49	Urban parakeets in Northern Illinois: A 40-year perspective. <i>Urban Ecosystems</i> , 2012, 15, 709-719.	1.1	18
50	Temporal stability vs. community matrix measures of stability and the role of weak interactions. <i>Ecology Letters</i> , 2020, 23, 1468-1478.	3.0	15
51	The Effects of Productivity, Herbivory, and Plant Species Turnover in Grassland Food Webs. <i>Ecology</i> , 2000, 81, 2485.	1.5	15
52	Predation inhibits the positive effect of dispersal on intraspecific and interspecific synchrony in pond metacommunities. <i>Ecology</i> , 2013, 94, 2220-2228.	1.5	14
53	Herbivory enhances the diversity of primary producers in pond ecosystems. <i>Ecology</i> , 2017, 98, 48-56.	1.5	12
54	Key colonist pools and habitat filters mediate the composition of fiddler crab-associated bacterial communities. <i>Ecology</i> , 2019, 100, e02628.	1.5	12

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55	How Does the Landscape Affect Metacommunity Structure? A Quantitative Review for Lentic Environments. <i>Current Landscape Ecology Reports</i> , 2020, 5, 68-75.	1.1	12
56	Testing the keystone community concept: effects of landscape, patch removal, and environment on metacommunity structure. <i>Ecology</i> , 2018, 99, 57-67.	1.5	11
57	Integrating fundamental processes to understand eco-evolutionary community dynamics and patterns. <i>Functional Ecology</i> , 2021, 35, 2138-2155.	1.7	11
58	Local and Regional Zooplankton Species Richness: A Scale-Independent Test for Saturation. <i>Ecology</i> , 2000, 81, 3062.	1.5	11
59	Population Differentiation in <i>Daphnia</i> Alters Community Assembly in Experimental Ponds. <i>American Naturalist</i> , 2011, 177, 314-322.	1.0	10
60	Top predator introduction changes the effects of spatial isolation on freshwater community structure. <i>Ecology</i> , 2021, 102, e03500.	1.5	10
61	Experimental methods for measuring the effect of light acclimation on vertical migration by <i>Daphnia</i> in the field. <i>Limnology and Oceanography</i> , 1993, 38, 638-643.	1.6	7
62	Predator complementarity dampens variability of phytoplankton biomass in a diversity-stability trophic cascade. <i>Ecology</i> , 2021, 102, e03534.	1.5	5
63	Editorial: Microbial Landscape Ecology: Highlights on the Invisible Corridors. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	2
64	Community variability in pond metacommunities: interactive effects of predators and isolation on stochastic community assembly. <i>Oikos</i> , 2022, 2022, .	1.2	2
65	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.. <i>Science</i> , 1992, 256, 1838-1838.	6.0	0
66	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.. <i>Science</i> , 1992, 256, 1838-1838.	6.0	0