

Marcel A Holyoak

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

11,150
citations

109321

35
h-index

30922

102
g-index

111
all docs

111
docs citations

111
times ranked

13884
citing authors

#	ARTICLE	IF	CITATIONS
1	The metacommunity concept: a framework for multi-scale community ecology. <i>Ecology Letters</i> , 2004, 7, 601-613.	6.4	4,069
2	A movement ecology paradigm for unifying organismal movement research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19052-19059.	7.1	2,043
3	Invasion in a heterogeneous world: resistance, coexistence or hostile takeover?. <i>Ecology Letters</i> , 2007, 10, 77-94.	6.4	343
4	Habitat fragmentation and biodiversity conservation: key findings and future challenges. <i>Landscape Ecology</i> , 2016, 31, 219-227.	4.2	336
5	CONNECTING THEORETICAL AND EMPIRICAL STUDIES OF TRAIT-MEDIATED INTERACTIONS. <i>Ecology</i> , 2003, 84, 1101-1114.	3.2	300
6	Trends and missing parts in the study of movement ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19060-19065.	7.1	276
7	Persistence of an Extinction-Prone Predator-Prey Interaction Through Metapopulation Dynamics. <i>Ecology</i> , 1996, 77, 1867-1879.	3.2	240
8	Variability in plant nutrients reduces insect herbivore performance. <i>Nature</i> , 2016, 539, 425-427.	27.8	186
9	Effects of Introduced Mosquitofish and Bullfrogs on the Threatened California Red-Legged Frog. <i>Conservation Biology</i> , 1999, 13, 613-622.	4.7	183
10	Effects of Moonlight and Meteorological Factors on Light and Bait Trap Catches of Noctuid Moths (Lepidoptera: Noctuidae). <i>Environmental Entomology</i> , 1997, 26, 1283-1290.	1.4	166
11	Speciesâ€™ traits predict the effects of disturbance and productivity on diversity. <i>Ecology Letters</i> , 2008, 11, 348-356.	6.4	141
12	Mechanisms of Coexistence in Competitive Metacommunities. <i>American Naturalist</i> , 2004, 164, 310-326.	2.1	124
13	The Role of Dispersal in Predator-Prey Metapopulation Dynamics. <i>Journal of Animal Ecology</i> , 1996, 65, 640.	2.8	106
14	Habitat Patch Arrangement and Metapopulation Persistence of Predators and Prey. <i>American Naturalist</i> , 2000, 156, 378-389.	2.1	98
15	Interactive effects of disturbance and dispersal directionality on species richness and composition in metacommunities. <i>Ecology</i> , 2011, 92, 859-870.	3.2	90
16	RECONCILING EMPIRICAL ECOLOGY WITH NEUTRAL COMMUNITY MODELS. <i>Ecology</i> , 2006, 87, 1370-1377.	3.2	87
17	Transcontinental Crashes of Insect Populations?. <i>American Naturalist</i> , 1998, 152, 480-484.	2.1	80
18	DISTINGUISHING STRESSORS ACTING ON LAND BIRD COMMUNITIES IN AN URBANIZING ENVIRONMENT. <i>Ecology</i> , 2008, 89, 2302-2314.	3.2	80

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19	Effects of Connectivity and Recurrent Local Disturbances on Community Structure and Population Density in Experimental Metacommunities. <i>PLoS ONE</i> , 2011, 6, e19525.	2.5	78
20	Omnivory and the stability of simple food webs. <i>Oecologia</i> , 1998, 117, 413-419.	2.0	77
21	Habitat subdivision causes changes in food web structure. <i>Ecology Letters</i> , 2000, 3, 509-515.	6.4	68
22	EVALUATING THE LONG-TERM METACOMMUNITY DYNAMICS OF TREE HOLE MOSQUITOES. <i>Ecology</i> , 2006, 87, 2582-2590.	3.2	61
23	CLINICOPATHOLOGIC FEATURES OF SUSPECTED BREVETOXICOSIS IN DOUBLE-CRESTED CORMORANTS (PHALACROCORAX AURITUS) ALONG THE FLORIDA GULF COAST. <i>Journal of Zoo and Wildlife Medicine</i> , 2002, 33, 8-15.	0.6	58
24	Aphid sex pheromone components: Age-dependent release by females and species-specific male response. <i>Chemoecology</i> , 1990, 1, 63-68.	1.1	56
25	The combination of electronic monitoring and video-assisted observations of plant penetration by aphids and behavioural effects of polygodial. <i>Entomologia Experimentalis Et Applicata</i> , 1992, 62, 233-239.	1.4	55
26	New insights into testing for density dependence. <i>Oecologia</i> , 1993, 93, 435-444.	2.0	48
27	The Golden Rule of Reviewing. <i>American Naturalist</i> , 2009, 173, E155-E158.	2.1	45
28	Metapopulation Dynamics on Ephemeral Patches. <i>American Naturalist</i> , 2015, 185, 183-195.	2.1	45
29	Weather-induced changes in moth activity bias measurement of long-term population dynamics from light trap samples. <i>Entomologia Experimentalis Et Applicata</i> , 1997, 83, 329-335.	1.4	43
30	Patterns of Dispersal and Dynamics among Habitat Patches Varying in Quality. <i>American Naturalist</i> , 2003, 162, 302-317.	2.1	43
31	Influence of remediation in a mine-impacted river: metal trends over large spatial and temporal scales. <i>Ecological Applications</i> , 2009, 19, 1522-1535.	3.8	42
32	Using citizen science data in integrated population models to inform conservation. <i>Biological Conservation</i> , 2018, 227, 361-368.	4.1	41
33	The Contribution of Laboratory Experiments on Protists to Understanding Population and Metapopulation Dynamics. <i>Advances in Ecological Research</i> , 2005, 37, 245-271.	2.7	40
34	Effects of nutrient enrichment on predator-prey metapopulation dynamics. <i>Journal of Animal Ecology</i> , 2000, 69, 985-997.	2.8	36
35	The integration of climate change, spatial dynamics, and habitat fragmentation: A conceptual overview. <i>Integrative Zoology</i> , 2016, 11, 40-59.	2.6	34
36	Comment arising from a paper by Wolda and Dennis: using and interpreting the results of tests for density dependence. <i>Oecologia</i> , 1993, 95, 592-594.	2.0	33

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37	Identifying Delayed Density Dependence in Time-Series Data. <i>Oikos</i> , 1994, 70, 296.	2.7	32
38	Factors controlling community structure in heterogeneous metacommunities. <i>Journal of Animal Ecology</i> , 2009, 78, 937-944.	2.8	30
39	Thrice as easy to catch! Copper and temperature modulate predator-prey interactions in larval dragonflies and anurans. <i>Ecosphere</i> , 2015, 6, 1-17.	2.2	30
40	Integrating Disturbance, Seasonality, Multi-Year Temporal Dynamics, and Dormancy Into the Dynamics and Conservation of Metacommunities. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	30
41	Riparian habitat fragmentation and population persistence of the threatened valley elderberry longhorn beetle in central California. <i>Biological Conservation</i> , 2001, 100, 103-113.	4.1	29
42	Ecological succession drives the structural change of seed-rodent interaction networks in fragmented forests. <i>Forest Ecology and Management</i> , 2018, 419-420, 42-50.	3.2	28
43	Detection of density dependence from annual censuses of bracken-feeding insects. <i>Oecologia</i> , 1992, 91, 425-430.	2.0	27
44	Spatial clustering of habitat structure effects patterns of community composition and diversity. <i>Ecology</i> , 2012, 93, 1125-1133.	3.2	27
45	Land sharing and land sparing reveal social and ecological synergy in big cat conservation. <i>Biological Conservation</i> , 2017, 211, 142-149.	4.1	27
46	Multiple stressors and the cause of amphibian abnormalities. <i>Ecological Monographs</i> , 2010, 80, 423-440.	5.4	25
47	How invader traits interact with resident communities and resource availability to determine invasion success. <i>Oikos</i> , 2013, 122, 149-160.	2.7	25
48	Predation and associational refuge drive ontogenetic niche shifts in an arctiid caterpillar. <i>Ecology</i> , 2015, 96, 80-89.	3.2	25
49	Seed-predator satiation and Janzen-Connell effects vary with spatial scales for seed-feeding insects. <i>Annals of Botany</i> , 2017, 119, 109-116.	2.9	25
50	EMPIRICAL EVIDENCE FOR PREDATOR-PREY SOURCE-SINK DYNAMICS. <i>Ecology</i> , 2000, 81, 3087-3098.	3.2	23
51	Non-trophic effects of litter reduce ant predation and determine caterpillar survival and distribution. <i>Oikos</i> , 2013, 122, 1362-1370.	2.7	23
52	Rethinking a rare-species conservation strategy in an urban landscape: The case of the valley elderberry longhorn beetle. <i>Biological Conservation</i> , 2007, 135, 21-32.	4.1	22
53	As temperature increases, predator attack rate is more important to survival than a smaller window of prey vulnerability. <i>Ecology</i> , 2018, 99, 1584-1590.	3.2	22
54	Factors influencing detection of density dependence in British birds. <i>Oecologia</i> , 1996, 108, 54-63.	2.0	21

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55	A roadmap for metapopulation research. <i>Ecology Letters</i> , 1999, 2, 273-275.	6.4	21
56	Tidal and seasonal effects on survival rates of the endangered California clapper rail: does invasive <i>Spartina</i> facilitate greater survival in a dynamic environment?. <i>Biological Invasions</i> , 2014, 16, 1897-1914.	2.4	20
57	Wet years have more caterpillars: interacting roles of plant litter and predation by ants. <i>Ecology</i> , 2017, 98, 2370-2378.	3.2	20
58	Facilitation of tiger moths by outbreaking tussock moths that share the same host plants. <i>Journal of Animal Ecology</i> , 2012, 81, 1095-1102.	2.8	19
59	Trait-mediated filtering drives contrasting patterns of species richness and functional diversity across montane bird assemblages. <i>Journal of Biogeography</i> , 2020, 47, 301-312.	3.0	19
60	The functional roles of species in metacommunities, as revealed by metanetwork analyses of bird-plant frugivory networks. <i>Ecology Letters</i> , 2020, 23, 1252-1262.	6.4	19
61	Localized Hotspots Drive Continental Geography of Abnormal Amphibians on U.S. Wildlife Refuges. <i>PLoS ONE</i> , 2013, 8, e77467.	2.5	18
62	The importance of host plant limitation for caterpillars of an arctiid moth (<i>Platyrepia virginalis</i>) varies spatially. <i>Ecology</i> , 2012, 93, 2216-2226.	3.2	17
63	Species occurrence and phylogenetic structure of terrestrial vertebrates at regional scales. <i>Global Ecology and Biogeography</i> , 2016, 25, 455-463.	5.8	17
64	Quantifying the effects of climate and anthropogenic change on regional species loss in China. <i>PLoS ONE</i> , 2018, 13, e0199735.	2.5	17
65	The frequency of detection of density dependence in insect orders. <i>Ecological Entomology</i> , 1993, 18, 339-347.	2.2	16
66	Twice as easy to catch? A toxicant and a predator cue cause additive reductions in larval amphibian activity. <i>Ecosphere</i> , 2011, 2, art72.	2.2	16
67	Habitat suitability through time: using time series and habitat models to understand changes in bird density. <i>Ecosphere</i> , 2014, 5, 1-16.	2.2	16
68	Integrated assessments call for establishing a sustainable meta-population of Amur tigers in northeast Asia. <i>Biological Conservation</i> , 2021, 261, 109250.	4.1	16
69	Factors influencing detection of density dependence in British birds. <i>Oecologia</i> , 1996, 108, 47-53.	2.0	15
70	PREDICTING EXTINCTION: PROGRESS WITH AN INDIVIDUAL-BASED MODEL OF PROTOZOAN PREDATORS AND PREY. <i>Ecology</i> , 2000, 81, 3312-3329.	3.2	14
71	Understanding the contribution of habitats and regional variation to long-term population trends in tricolored blackbirds. <i>Ecology and Evolution</i> , 2013, 3, 2845-2858.	1.9	14
72	Spatial conservation prioritization for the Amur tiger in Northeast China. <i>Ecosphere</i> , 2021, 12, e03758.	2.2	14

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73	Combining Site Occupancy, Breeding Population Sizes and Reproductive Success to Calculate Time-Averaged Reproductive Output of Different Habitat Types: An Application to Tricolored Blackbirds. PLoS ONE, 2014, 9, e96980.	2.5	13
74	Testing predictions of movement behaviour in a hilltopping moth. Animal Behaviour, 2017, 133, 161-168.	1.9	13
75	Successes, Failures and Suggested Future Directions for Ecosystem Restoration of the Middle Sacramento River, California. San Francisco Estuary and Watershed Science, 2013, 11, .	0.4	12
76	Sea-level rise and refuge habitats for tidal marsh species: Can artificial islands save the California Ridgway's rail?. Ecological Engineering, 2015, 74, 337-344.	3.6	11
77	Appropriate Time Scales for Identifying Lags in Density-Dependent Processes. Journal of Animal Ecology, 1994, 63, 479.	2.8	10
78	The Effects of Dust on the Federally Threatened Valley Elderberry Longhorn Beetle. Environmental Management, 2006, 37, 647-658.	2.7	10
79	Do seasonal species assemblages differ in their biogeography? Evidence from the spatial structure of bird communities on land-bridge islands. Journal of Biogeography, 2018, 45, 473-483.	3.0	10
80	Trait-environment relationships differ between mixed-species flocking and nonflocking bird assemblages. Ecology, 2020, 101, e03124.	3.2	9
81	Altered precipitation dynamics lead to a shift in herbivore dynamical regime. Ecology Letters, 2021, 24, 1400-1407.	6.4	9
82	Evolutionary and ecological patterns of scatter and larder hoarding behaviours in rodents. Ecology Letters, 2022, 25, 1202-1214.	6.4	9
83	Effects of nutrient enrichment on predator-prey metapopulation dynamics. Journal of Animal Ecology, 2000, 69, 985-997.	2.8	8
84	Innate preference for native prey and personality implications in captive amur tigers. Applied Animal Behaviour Science, 2019, 210, 95-102.	1.9	8
85	Ecological thresholds and large carnivores conservation: Implications for the Amur tiger and leopard in China. Global Ecology and Conservation, 2020, 21, e00837.	2.1	8
86	Non-invasive genetic monitoring for the threatened valley elderberry longhorn beetle. PLoS ONE, 2020, 15, e0227333.	2.5	8
87	Avoiding erroneously high levels of detection in combinations of semi-independent tests. Oecologia, 1993, 95, 103-114.	2.0	7
88	The Effects of Site Conditions and Mitigation Practices on Success of Establishing the Valley Elderberry Longhorn Beetle and Its Host Plant, Blue Elderberry. Environmental Management, 2008, 42, 444-457.	2.7	7
89	Potential Factors Affecting Survival Differ by Run-Timing and Location: Linear Mixed-Effects Models of Pacific Salmonids (Oncorhynchus spp.) in the Klamath River, California. PLoS ONE, 2014, 9, e98392.	2.5	7
90	Understanding the Ecology of Blue Elderberry to Inform Landscape Restoration in Semiarid River Corridors. Environmental Management, 2009, 43, 28-37.	2.7	6

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91	The effectiveness of US mitigation and monitoring practices for the threatened Valley elderberry longhorn beetle. <i>Journal of Insect Conservation</i> , 2010, 14, 43-52.	1.4	6
92	An Evaluation of the Effects of Soil Characteristics on Mitigation and Restoration Involving Blue Elderberry, <i>Sambucus mexicana</i> . <i>Environmental Management</i> , 2008, 42, 49-65.	2.7	5
93	Precipitation-dependent source-sink dynamics in a spatially-structured population of an outbreaking caterpillar. <i>Landscape Ecology</i> , 2019, 34, 1131-1143.	4.2	5
94	Changes in the Habitat Preference of Crested Ibis (<i>Nipponia nippon</i>) during a Period of Rapid Population Increase. <i>Animals</i> , 2021, 11, 2626.	2.3	5
95	Variance-Explicit Ecology. , 2020, , 25-42.		4
96	Deeply digging the interaction effect in multiple linear regressions using a fractional-power interaction term. <i>MethodsX</i> , 2020, 7, 101067.	1.6	3
97	An intercontinental comparison of insect seed predation between introduced and native oaks. <i>Integrative Zoology</i> , 2021, , .	2.6	3
98	Spatiotemporal distribution of seasonal bird assemblages on land-bridge islands: linking dynamic and static views of metacommunities. <i>Avian Research</i> , 2019, 10, .	1.2	2
99	Host and geographic barriers shape the competition, coexistence, and extinction patterns of influenza A (H1N1) viruses. <i>Ecology and Evolution</i> , 2022, 12, e8732.	1.9	2
100	Hilltopping influences spatial dynamics in a patchy population of tiger moths. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	2
101	Targeting journals and covering letters. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 161-162.	4.0	1
102	Population viability and management of the valley elderberry longhorn beetle. <i>Biodiversity and Conservation</i> , 2021, 30, 481-496.	2.6	1
103	The growth of <i>Ecology Letters</i> , and scope of the journal. <i>Ecology Letters</i> , 2011, 14, 81-81.	6.4	0
104	Plant trait covariance and nonlinear averaging: a reply to Koussoroplis et al.. <i>Rethinking Ecology</i> , 0, 4, 115-118.	0.0	0
105	Symposium "How to track wild animals without disturbance and subsequent bias". <i>Integrative Zoology</i> , 2019, 14, 2-3.	2.6	0
106	Ecological Indicators: Connectance and Connectivity. , 2019, , 567-574.		0