

Matthew Forister

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8505215/matthew-forister-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128
papers

6,176
citations

37
h-index

76
g-index

142
ext. papers

7,844
ext. citations

5.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
128	The ecology of individuals: incidence and implications of individual specialization. <i>American Naturalist</i> , 2003 , 161, 1-28	3.7	1766
127	The global distribution of diet breadth in insect herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 442-7	11.5	321
126	Homoploid hybrid speciation in an extreme habitat. <i>Science</i> , 2006 , 314, 1923-5	33.3	226
125	Compounded effects of climate change and habitat alteration shift patterns of butterfly diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2088-92	11.5	218
124	Revisiting the evolution of ecological specialization, with emphasis on insect-plant interactions. <i>Ecology</i> , 2012 , 93, 981-91	4.6	188
123	Insect decline in the Anthropocene: Death by a thousand cuts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	182
122	Climatic trends and advancing spring flight of butterflies in lowland California. <i>Global Change Biology</i> , 2003 , 9, 1130-1135	11.4	149
121	Phytochemical diversity drives plant-insect community diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10973-8	11.5	143
120	Genomic regions with a history of divergent selection affect fitness of hybrids between two butterfly species. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 2167-81	3.8	133
119	Widespread mito-nuclear discordance with evidence for introgressive hybridization and selective sweeps in <i>Lycaeides</i> . <i>Molecular Ecology</i> , 2008 , 17, 5231-44	5.7	115
118	Admixture and the organization of genetic diversity in a butterfly species complex revealed through common and rare genetic variants. <i>Molecular Ecology</i> , 2014 , 23, 4555-73	5.7	114
117	The significance of wing pattern diversity in the Lycaenidae: mate discrimination by two recently diverged species. <i>Journal of Evolutionary Biology</i> , 2002 , 15, 871-879	2.3	93
116	Secondary contact between <i>Lycaeides idas</i> and <i>L. melissa</i> in the Rocky Mountains: extensive admixture and a patchy hybrid zone. <i>Molecular Ecology</i> , 2010 , 19, 3171-92	5.7	84
115	Bayesian analysis of molecular variance in pyrosequences quantifies population genetic structure across the genome of <i>Lycaeides</i> butterflies. <i>Molecular Ecology</i> , 2010 , 19, 2455-73	5.7	81
114	Identifying units for conservation using molecular systematics: the cautionary tale of the Karner blue butterfly. <i>Molecular Ecology</i> , 2006 , 15, 1759-68	5.7	79
113	Host range evolution is not driven by the optimization of larval performance: the case of <i>Lycaeides melissa</i> (Lepidoptera: Lycaenidae) and the colonization of alfalfa. <i>Oecologia</i> , 2009 , 160, 551-61	2.9	71
112	Embracing Colonizations: A New Paradigm for Species Association Dynamics. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 4-14	10.9	70

111	Oviposition preference and larval performance within a diverging lineage of lycaenid butterflies. <i>Ecological Entomology</i> , 2004 , 29, 264-272	2.1	66
110	Increasing neonicotinoid use and the declining butterfly fauna of lowland California. <i>Biology Letters</i> , 2016 , 12,	3.6	65
109	Declines in insect abundance and diversity: We know enough to act now. <i>Conservation Science and Practice</i> , 2019 , 1, e80	2.2	64
108	Use of exotic hosts by Lepidoptera: widespread species colonize more novel hosts. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 2719-24	3.8	61
107	Identification of source-sink dynamics in mountain lions of the Great Basin. <i>Molecular Ecology</i> , 2012 , 21, 5689-701	5.7	59
106	A hierarchical bayesian approach to ecological count data: a flexible tool for ecologists. <i>PLoS ONE</i> , 2011 , 6, e26785	3.7	58
105	The evolution of novel host use is unlikely to be constrained by trade-offs or a lack of genetic variation. <i>Molecular Ecology</i> , 2015 , 24, 2777-93	5.7	57
104	Insects and recent climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	57
103	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. <i>New Phytologist</i> , 2016 , 212, 208-19	9.8	54
102	An unseen foe in arthropod conservation efforts: The case of Wolbachia infections in the Karner blue butterfly. <i>Biological Conservation</i> , 2009 , 142, 3137-3146	6.2	50
101	Midpoint attractors and species richness: Modelling the interaction between environmental drivers and geometric constraints. <i>Ecology Letters</i> , 2016 , 19, 1009-22	10	49
100	Modern approaches to study plant-insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018 , 2, 50-64	34.6	47
99	INDEPENDENT INHERITANCE OF PREFERENCE AND PERFORMANCE IN HYBRIDS BETWEEN HOST RACES OF MITOURA BUTTERFLIES (LEPIDOPTERA: LYCAENIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 1149-1155	3.8	46
98	Interest exceeds understanding in public support of bee conservation. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 460-466	5.5	42
97	Strong patterns of intraspecific variation and local adaptation in Great Basin plants revealed through a review of 75 years of experiments. <i>Ecology and Evolution</i> , 2019 , 9, 6259-6275	2.8	41
96	Hybrid speciation and independent evolution in lineages of alpine butterflies. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 1055-68	3.8	41
95	Repeated evolution in overlapping mimicry rings among North American velvet ants. <i>Nature Communications</i> , 2012 , 3, 1272	17.4	40
94	The genetic architecture of a niche: variation and covariation in host use traits in the Colorado potato beetle. <i>Journal of Evolutionary Biology</i> , 2007 , 20, 985-96	2.3	40

93	Host conservatism, host shifts and diversification across three trophic levels in two Neotropical forests. <i>Journal of Evolutionary Biology</i> , 2012 , 25, 532-46	2.3	38
92	Ant association facilitates the evolution of diet breadth in a lycaenid butterfly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1539-47	4.4	37
91	FORAGING ECOLOGY OF SMALL MAMMALS IN SEMIARID CHILE: THE INTERPLAY OF BIOTIC AND ABIOTIC EFFECTS. <i>Ecology</i> , 2004 , 85, 383-397	4.6	37
90	North American velvet ants form one of the world's largest known Müllerian mimicry complexes. <i>Current Biology</i> , 2015 , 25, R704-6	6.3	36
89	The race is not to the swift: long-term data reveal pervasive declines in California's low-elevation butterfly fauna. <i>Ecology</i> , 2011 , 92, 2222-35	4.6	36
88	Loss of dominant caterpillar genera in a protected tropical forest. <i>Scientific Reports</i> , 2020 , 10, 422	4.9	35
87	Considering evolutionary processes in the use of single-locus genetic data for conservation, with examples from the Lepidoptera. <i>Journal of Insect Conservation</i> , 2008 , 12, 37-51	2.1	35
86	Fewer butterflies seen by community scientists across the warming and drying landscapes of the American West. <i>Science</i> , 2021 , 371, 1042-1045	33.3	34
85	Seed predation by birds and small mammals in semiarid Chile. <i>Oikos</i> , 2004 , 104, 133-141	4	32
84	The population ecology of novel plant-herbivore interactions. <i>Oikos</i> , 2013 , 122, 657-666	4	31
83	Recent colonization and radiation of North American <i>Lycaeides</i> (Plebejus) inferred from mtDNA. <i>Molecular Phylogenetics and Evolution</i> , 2008 , 48, 481-90	4.1	29
82	Geological barriers and restricted gene flow in the holarctic skipper <i>Hesperia comma</i> (Hesperiidae). <i>Molecular Ecology</i> , 2004 , 13, 3489-99	5.7	29
81	Increased resistance to generalist herbivores in invasive populations of the California poppy (<i>Eschscholzia californica</i>). <i>Diversity and Distributions</i> , 2005 , 11, 311-317	5	29
80	Understanding a migratory species in a changing world: climatic effects and demographic declines in the western monarch revealed by four decades of intensive monitoring. <i>Oecologia</i> , 2016 , 181, 819-30	2.9	28
79	Specificity, rank preference, and the colonization of a non-native host plant by the Melissa blue butterfly. <i>Oecologia</i> , 2013 , 172, 177-88	2.9	26
78	Differential hippocampal gene expression is associated with climate-related natural variation in memory and the hippocampus in food-caching chickadees. <i>Molecular Ecology</i> , 2013 , 22, 397-408	5.7	25
77	Family-Level Divergences in the Stinging Wasps (Hymenoptera: Aculeata), with Correlations to Angiosperm Diversification. <i>Evolutionary Biology</i> , 2013 , 40, 101-107	3	25
76	Global weather and local butterflies: variable responses to a large-scale climate pattern along an elevational gradient. <i>Ecology</i> , 2015 , 96, 2891-901	4.6	22

75	A Neutral Model for the Evolution of Diet Breadth. <i>American Naturalist</i> , 2017 , 190, E40-E54	3.7	21
74	Phylogenetic Cascades and the Origins of Tropical Diversity. <i>Biotropica</i> , 2011 , 43, 270-278	2.3	20
73	Ecological and evolutionary processes drive the origin and maintenance of imperfect mimicry. <i>PLoS ONE</i> , 2013 , 8, e61610	3.7	19
72	After 60 years, an answer to the question: what is the Karner blue butterfly?. <i>Biology Letters</i> , 2011 , 7, 399-402	3.6	19
71	Vertical stratification of the foliar fungal community in the world's tallest trees. <i>American Journal of Botany</i> , 2016 , 103, 2087-2095	2.7	19
70	Contribution of urban expansion and a changing climate to decline of a butterfly fauna. <i>Conservation Biology</i> , 2014 , 28, 773-82	6	18
69	Impacts of a millennium drought on butterfly faunal dynamics. <i>Climate Change Responses</i> , 2018 , 5,		18
68	Extreme heterogeneity of population response to climatic variation and the limits of prediction. <i>Global Change Biology</i> , 2019 , 25, 2127-2136	11.4	17
67	The utility of repeated presence data as a surrogate for counts: a case study using butterflies. <i>Journal of Insect Conservation</i> , 2014 , 18, 13-27	2.1	17
66	Use of an exotic host plant affects mate choice in an insect herbivore. <i>American Naturalist</i> , 2012 , 179, 805-10	3.7	17
65	The Many Dimensions of Diet Breadth: Phytochemical, Genetic, Behavioral, and Physiological Perspectives on the Interaction between a Native Herbivore and an Exotic Host. <i>PLoS ONE</i> , 2016 , 11, e0147971	3.7	17
64	Pesticide Contamination of Milkweeds Across the Agricultural, Urban, and Open Spaces of Low-Elevation Northern California. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	16
63	The predictability of genomic changes underlying a recent host shift in Melissa blue butterflies. <i>Molecular Ecology</i> , 2018 , 27, 2651-2666	5.7	16
62	Quantifying diet breadth through ordination of host association. <i>Ecology</i> , 2016 , 97, 842-9	4.6	16
61	Building phenological models from presence/absence data for a butterfly fauna 2006 , 16, 1842-53		16
60	Drivers of hybridization in a 66-generation record of <i>Colias</i> butterflies. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 818-830	3.8	15
59	Geographically multifarious phenotypic divergence during speciation. <i>Ecology and Evolution</i> , 2013 , 3, 595-613	2.8	15
58	Wherefore and Whither the Modeler: Understanding the Population Dynamics of Monarchs Will Require Integrative and Quantitative Techniques. <i>Annals of the Entomological Society of America</i> , 2016 , 109, 172-175	2	15

57	Independent inheritance of preference and performance in hybrids between host races of <i>Mitoura</i> butterflies (Lepidoptera: Lycaenidae). <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 1149-55	3.8	15
56	Spotlight on insects: trends, threats and conservation challenges. <i>Insect Conservation and Diversity</i> , 2020 , 13, 99-102	3.8	14
55	Population genetic structure and its implications for adaptive variation in memory and the hippocampus on a continental scale in food-caching black-capped chickadees. <i>Molecular Ecology</i> , 2012 , 21, 4486-97	5.7	14
54	Egg Morphology Varies Among Populations and Habitats Along a Suture Zone in the <i>Lycaeides idas-melissa</i> Species Complex (Lepidoptera: Lycaenidae). <i>Annals of the Entomological Society of America</i> , 2006 , 99, 933-937	2	14
53	Recent hybrids recapitulate ancient hybrid outcomes. <i>Nature Communications</i> , 2020 , 11, 2179	17.4	13
52	Deconstruction of a plant-arthropod community reveals influential plant traits with nonlinear effects on arthropod assemblages. <i>Functional Ecology</i> , 2018 , 32, 1317-1328	5.6	13
51	A heritable symbiont and host-associated factors shape fungal endophyte communities across spatial scales. <i>Journal of Ecology</i> , 2018 , 106, 2274-2286	6	12
50	Species with more volatile population dynamics are differentially impacted by weather. <i>Biology Letters</i> , 2015 , 11, 20140792	3.6	12
49	Influence of Host Plant Phenology on <i>Mitoura nelsoni</i> (Lepidoptera: Lycaenidae). <i>Annals of the Entomological Society of America</i> , 2005 , 98, 295-301	2	12
48	Size-Specific Differences in Tail Loss and Escape Behavior in <i>Liolaemus nigromaculatus</i> . <i>Journal of Herpetology</i> , 2002 , 36, 322-325	1.1	12
47	A hierarchical perspective on the diversity of butterfly species' responses to weather in the Sierra Nevada Mountains. <i>Ecology</i> , 2014 , 95, 2155-68	4.6	11
46	Colonization, abundance, and geographic range size of gravestone lichens. <i>Basic and Applied Ecology</i> , 2009 , 10, 279-287	3.2	11
45	Genomic evidence of genetic variation with pleiotropic effects on caterpillar fitness and plant traits in a model legume. <i>Molecular Ecology</i> , 2019 , 28, 2967-2985	5.7	10
44	A discrete truncated Pareto distribution. <i>Statistical Methodology</i> , 2015 , 26, 135-150		10
43	A complete record from colonization to extinction reveals density dependence and the importance of winter conditions for a population of the silvery blue, <i>Glaucopsyche lygdamus</i> . <i>Journal of Insect Science</i> , 2011 , 11, 130	2	9
42	Host conservatism, geography, and elevation in the evolution of a Neotropical moth radiation. <i>Evolution; International Journal of Organic Evolution</i> , 2017 , 71, 2885-2900	3.8	8
41	Host plant-dependent effects of microbes and phytochemistry on the insect immune response. <i>Oecologia</i> , 2019 , 191, 141-152	2.9	8
40	Beyond annual and seasonal averages: using temporal patterns of precipitation to predict butterfly richness across an elevational gradient. <i>Ecological Entomology</i> , 2015 , 40, 585-595	2.1	8

39	Wolbachia infection and Lepidoptera of conservation concern. <i>Journal of Insect Science</i> , 2014 , 14, 6	2	8
38	Larval Performance in the Context of Ecological Diversification and Speciation in Lycaeides Butterflies. <i>International Journal of Ecology</i> , 2012 , 2012, 1-13	1.9	8
37	Challenges and advances in the study of latitudinal gradients in multitrophic interactions, with a focus on consumer specialization. <i>Current Opinion in Insect Science</i> , 2019 , 32, 68-76	5.1	8
36	An exploration of the fungal assemblage in each life history stage of the butterfly, <i>Lycaeides melissa</i> (Lycaenidae), as well as its host plant <i>Astragalus canadensis</i> (Fabaceae). <i>Fungal Ecology</i> , 2016 , 22, 10-16	4.1	7
35	The promise and the perils of resurveying to understand global change impacts. <i>Ecological Monographs</i> , 2021 , 91, e01435	9	7
34	Anthropogenic islands in the arid West: comparing the richness and diversity of insect communities in cultivated fields and neighboring wildlands. <i>Environmental Entomology</i> , 2009 , 38, 1028-37	2.1	6
33	Rarity does not limit genetic variation or preclude subpopulation structure in the geographically restricted desert forb <i>Astragalus lentiginosus</i> var. <i>piscinensis</i> . <i>American Journal of Botany</i> , 2019 , 106, 260-269	2.7	5
32	Morphological outcomes of gynandromorphism in <i>Lycaeides</i> butterflies (Lepidoptera: Lycaenidae). <i>Journal of Insect Science</i> , 2015 , 15,	2	5
31	Predicting patch occupancy reveals the complexity of host range expansion. <i>Science Advances</i> , 2020 , 6,	14.3	5
30	A suite of rare microbes interacts with a dominant, heritable, fungal endophyte to influence plant trait expression. <i>ISME Journal</i> , 2021 , 15, 2763-2778	11.9	5
29	Vertical differentiation in tropical forest butterflies: a novel mechanism generating insect diversity?. <i>Biology Letters</i> , 2019 , 15, 20180723	3.6	4
28	A winner in the Anthropocene: changing host plant distribution explains geographical range expansion in the gulf fritillary butterfly. <i>Ecological Entomology</i> , 2020 , 45, 652-662	2.1	4
27	A nonlinear relationship between genetic diversity and productivity in a polyphagous seed beetle. <i>Oecologia</i> , 2014 , 175, 151-61	2.9	4
26	Synchronous population dynamics in California butterflies explained by climatic forcing. <i>Royal Society Open Science</i> , 2017 , 4, 170190	3.3	4
25	Temporal and geographic variation in parasitoid attack with no evidence for ant protection of the Melissa blue butterfly, <i>Lycaeides melissa</i> . <i>Ecological Entomology</i> , 2014 , 39, 168-176	2.1	4
24	Patterns of Genetic Variation Between the Checkered Skippers <i>Pyrgus communis</i> and <i>Pyrgus albescens</i> (Lepidoptera: Hesperiiidae). <i>Annals of the Entomological Society of America</i> , 2008 , 101, 794-800 ²		4
23	Distinguishing nutrient-dependent plant driven bacterial colonization patterns in alfalfa. <i>Environmental Microbiology Reports</i> , 2020 , 12, 70-77	3.7	4
22	Impact of individual movement and changing resource availability on male-female encounter rates in an herbivorous insect. <i>Ecological Complexity</i> , 2015 , 24, 1-13	2.6	3

21	Caterpillars on a phytochemical landscape: The case of alfalfa and the Melissa blue butterfly. <i>Ecology and Evolution</i> , 2020 , 10, 4362-4374	2.8	3
20	Permutation tests for analyzing cospeciation in multiple phylogenies: applications in tri-trophic ecology. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2013 , 12, 679-701	1.2	3
19	Wing Pattern Variation in the Anise Swallowtail, <i>Papilio zelicaon</i> (Lepidoptera: Papilionidae). <i>Annals of the Entomological Society of America</i> , 2003 , 96, 73-80	2	3
18	Insects and recent climate change		3
17	Geographic distribution, habitat association, and host quality for one of the most geographically restricted butterflies in North America: Thorne's hairstreak (<i>Mitoura thornei</i>). <i>Insect Conservation and Diversity</i> , 2014 , 7, 343-354	3.8	2
16	Phylogeography at large spatial scales: incongruent patterns of population structure and demography of Pan-American butterflies associated with weedy habitats. <i>Journal of Biogeography</i> , 2012 , 39, 382-396	4.1	2
15	Complex evolutionary history of the pallid dotted-blue butterfly (Lycaenidae: <i>Euphilotes pallescens</i>) in the Great Basin of western North America. <i>Journal of Biogeography</i> , 2013 , 40, 2059-2070	4.1	2
14	Thistledown velvet ants in the Desert Mimicry Ring and the evolution of white coloration: Müllerian mimicry, camouflage and thermal ecology. <i>Biology Letters</i> , 2020 , 16, 20200242	3.6	2
13	Extreme High-altitude Asian and Andean Pierid Butterflies Are Not Each Others' Closest Relatives. <i>Arctic, Antarctic, and Alpine Research</i> , 2007 , 39, 137-142	1.8	1
12	Jack-of-all-trades paradigm meets long-term data: generalist herbivores are more widespread and locally less abundant		1
11	Quantifying diet breadth through ordination of host association 2016 , 97, 842		1
10	A suite of rare microbes interacts with a dominant, heritable, fungal endophyte to influence plant trait expression		1
9	Recent hybrids recapitulate ancient hybrid outcomes		1
8	Human observers differ in ability to perceive insect diversity. <i>Environmental Conservation</i> , 2016 , 43, 376-380		1
7	Preference and performance of Lepidoptera varies with tree age in juniper woodlands. <i>Ecological Entomology</i> , 2019 , 44, 140-150	2.1	1
6	Are eastern and western monarch butterflies distinct populations? A review of evidence for ecological, phenotypic, and genetic differentiation and implications for conservation. <i>Conservation Science and Practice</i> , 2021 , 3, e432	2.2	0
5	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. <i>Scientific Reports</i> , 2021 , 11, 17247	4.9	0
4	Regional population differentiation in the morphologically diverse, elevationally widespread Nearctic skipper <i>Polites sabuleti</i> . <i>Journal of Biogeography</i> , 2015 , 42, 1787-1799	4.1	

- 3 Let's give them something to talk about: choosing a discussion paper. *Frontiers in Ecology and the Environment*, **2009**, 7, 501-502 5.5
- 2 Lessons in biogeography. *Journal of Biogeography*, **2005**, 32, 2190-2191 4.1
- 1 The Disappearance of Butterflies Nature's Best Hope. *American Entomologist*, **2021**, 67, 62-63 0.6