Marianne Elias

List of Publications by Year
in descending order

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56 papers	2,296 citations	304743 22 h-index	243625 44 g-index
71 all docs	71 docs citations	71 times ranked	2577 citing authors

#	Article	IF	Citations
1	The evolutionary ecology of clonally propagated domesticated plants. New Phytologist, 2010, 186, 318-332.	7.3	354
2	Limited performance of DNA barcoding in a diverse community of tropical butterflies. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2881-2889.	2.6	233
3	Polydomy in ants: what we know, what we think we know, and what remains to be done. Biological Journal of the Linnean Society, 2007, 90, 319-348.	1.6	168
4	Mutualistic Interactions Drive Ecological Niche Convergence in a Diverse Butterfly Community. PLoS Biology, 2008, 6, e300.	5.6	130
5	Mitochondrial DNA barcoding detects some species that are real, and some that are not. Molecular Ecology Resources, 2010, 10, 264-273.	4.8	119
6	Title is missing!. Euphytica, 2001, 120, 143-157.	1.2	83
7	Genetic Diversity of Traditional South American Landraces of Cassava (Manihot Esculenta Crantz): An Analysis Using Microsatellites. Economic Botany, 2004, 58, 242-256.	1.7	80
8	Maintaining mimicry diversity: optimal warning colour patterns differ among microhabitats in Amazonian clearwing butterflies. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170744.	2.6	60
9	Evolutionary History and Ecological Processes Shape a Local Multilevel Antagonistic Network. Current Biology, 2013, 23, 1355-1359.	3.9	56
10	Diversification of clearwing butterflies with the rise of the Andes. Journal of Biogeography, 2016, 43, 44-58.	3.0	54
11	Mutualistic Mimicry and Filtering by Altitude Shape the Structure of Andean Butterfly Communities. American Naturalist, 2014, 183, 26-39.	2.1	52
12	Into the Andes: multiple independent colonizations drive montane diversity in the Neotropical clearwing butterflies Godyridina. Molecular Ecology, 2016, 25, 5765-5784.	3.9	52
13	Germination Ecology of Cassava (Manihot Esculenta Crantz, Euphorbiaceae) in Traditional Agroecosystems: Seed and Seedling Biology of a Vegetatively Propagated Domesticated Plant1. Economic Botany, 2002, 56, 366-379.	1.7	51
14	North Andean origin and diversification of the largest ithomiine butterfly genus. Scientific Reports, 2017, 7, 45966.	3.3	48
15	Seasonal polydomy and unicoloniality in a polygynous population of the red wood ant Formica truncorum. Behavioral Ecology and Sociobiology, 2005, 57, 339-349.	1.4	43
16	Urbanization and agricultural intensification destabilize animal communities differently than diversity loss. Nature Communications, 2020, 11, 2686.	12.8	39
17	The unmanaged reproductive ecology of domesticated plants in traditional agroecosystems: An example involving cassavaand a call for data. Acta Oecologica, 2000, 21, 223-230.	1.1	38
18	The unappreciated ecology of landrace populations: Conservation consequences of soil seed banks in Cassava. Biological Conservation, 2007, 136, 541-551.	4.1	37

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19	Renewed diversification following Miocene landscape turnover in a Neotropical butterfly radiation. Global Ecology and Biogeography, 2019, 28, 1118-1132.	5.8	35
20	Conserved ancestral tropical niche but different continental histories explain the latitudinal diversity gradient in brush-footed butterflies. Nature Communications, 2021, 12, 5717.	12.8	33
21	Secondary Sympatry Caused by Range Expansion Informs on the Dynamics of Microendemism in a Biodiversity Hotspot. PLoS ONE, 2012, 7, e48047.	2.5	32
22	Why has transparency evolved in aposematic butterflies? Insights from the largest radiation of aposematic butterflies, the Ithomiini. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182769.	2.6	30
23	Contrasting patterns of Andean diversification among three diverse clades of Neotropical clearwing butterflies. Ecology and Evolution, 2018, 8, 3965-3982.	1.9	29
24	Transparency reduces predator detection in mimetic clearwing butterflies. Functional Ecology, 2019, 33, 1110-1119.	3.6	29
25	Heterogeneity in predator micro-habitat use and the maintenance of MÃ¼llerian mimetic diversity. Journal of Theoretical Biology, 2011, 281, 39-46.	1.7	26
26	Molecular phylogenetics of the neotropical butterfly subtribe Oleriina (Nymphalidae: Danainae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.7	24
27	Propagule Quantity and Quality in Traditional Makushi Farming of Cassava (Manihot esculenta): A Case Study for Understanding Domestication and Evolution of Vegetatively Propagated Crops. Genetic Resources and Crop Evolution, 2007, 54, 99-115.	1.6	22
28	Quantitative characterization of iridescent colours in biological studies: a novel method using optical theory. Interface Focus, 2019, 9, 20180049.	3.0	22
29	Hard to catch: experimental evidence supports evasive mimicry. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203052.	2.6	22
30	Variation of chemical compounds in wild Heliconiini reveals ecological factors involved in the evolution of chemical defenses in mimetic butterflies. Ecology and Evolution, 2020, 10, 2677-2694.	1.9	21
31	Variation in cyanogenic compounds concentration within a Heliconius butterfly community: does mimicry explain everything?. BMC Evolutionary Biology, 2016, 16, 272.	3.2	20
32	Does divergent selection predict the evolution of mate preference and reproductive isolation in the tropical butterfly genus Melinaea (Nymphalidae: Ithomiini)?. Journal of Animal Ecology, 2019, 88, 940-952.	2.8	18
33	Transparency improves concealment in cryptically coloured moths. Journal of Evolutionary Biology, 2020, 33, 247-252.	1.7	18
34	Anthropogenic pressures coincide with Neotropical biodiversity hotspots in a flagship butterfly group. Diversity and Distributions, 2022, 28, 2912-2930.	4.1	18
35	Ecologically relevant cryptic species in the highly polymorphic Amazonian butterfly Mechanitis mazaeusâ€ƒs.l. (Lepidoptera: Nymphalidae; Ithomiini). Biological Journal of the Linnean Society, 2012, 106, 540-560.	1.6	17
36	Mutualistic mimicry enhances species diversification through spatial segregation and extension of the ecological niche space. Evolution; International Journal of Organic Evolution, 2017, 71, 826-844.	2.3	17

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37	Phylogenetic community ecology needs to take positive interactions into account. Communicative and Integrative Biology, 2009, 2, 113-116.	1.4	11
38	Two Possible Caterpillar Mimicry Complexes in Neotropical Danaine Butterflies (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.5	11
39	Chemistry of the Androconial Secretion of the Ithomiine Butterfly Oleria onega. Journal of Chemical Ecology, 2019, 45, 768-778.	1.8	11
40	Developmental, cellular, and biochemical basis of transparency in clearwing butterflies. Journal of Experimental Biology, 2021, 224, .	1.7	11
41	Positive and negative interactions jointly determine the structure of MÃ¼llerian mimetic communities. Oikos, 2020, 129, 983-997.	2.7	10
42	Wing transparency in butterflies and moths: structural diversity, optical properties, and ecological relevance. Ecological Monographs, 2021, 91, e01475.	5.4	10
43	Unravelling the role of host plant expansion in the diversification of a Neotropical butterfly genus. BMC Evolutionary Biology, 2016, 16, 128.	3.2	9
44	Contrasting genomic and phenotypic outcomes of hybridization between pairs of mimetic butterfly taxa across a suture zone. Molecular Ecology, 2020, 29, 1328-1343.	3.9	9
45	Punctuational ecological changes rather than global factors drive species diversification and the evolution of wing phenotypes inMorphobutterflies. Journal of Evolutionary Biology, 2021, 34, 1592-1607.	1.7	9
46	Mimicry can drive convergence in structural and light transmission features of transparent wings in Lepidoptera. ELife, 2021, 10, .	6.0	9
47	3-Acetoxy-fatty acid isoprenyl esters from androconia of the ithomiine butterfly Ithomia salapia. Beilstein Journal of Organic Chemistry, 2020, 16, 2776-2787.	2.2	8
48	Shape of Evasive Prey Can Be an Important Cue That Triggers Learning in Avian Predators. Frontiers in Ecology and Evolution, 0, 10, .	2.2	6
49	Ancestrality and evolution of trait syndromes in finches (Fringillidae). Ecology and Evolution, 2017, 7, 9935-9953.	1.9	3
50	The development and characterization of polymorphic microsatellite loci for the genus Melinaea (Nymphalidae, Ithomiini). Conservation Genetics Resources, 2014, 6, 891-893.	0.8	2
51	Elevational filtering and the evolution of planthoppers (Hemiptera, Fulgoromorpha) in Papua New Guinea. Biotropica, 2020, 52, 313-322.	1.6	2
52	Assessing the Role of Developmental and Environmental Factors in Chemical Defence Variation in Heliconiini Butterflies. Journal of Chemical Ecology, 2021, 47, 577-587.	1.8	2
53	Comparative transcriptome analysis at the onset of speciation in a mimetic butterflyâ€"The Ithomiini Melinaea marsaeus. Journal of Evolutionary Biology, 2021, 34, 1704-1721.	1.7	2
54	Distribution of iridescent colours in hummingbird communities results from the interplay between selection for camouflage and communication. , 0, 1, .		2

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55	Partial wing transparency works better when disrupting wing edges: Evidence from a field experiment. Journal of Evolutionary Biology, 2021, 34, 1840-1846.	1.7	1
56	Uncovering the effects of MÃ¼llerian mimicry on the evolution of conspicuousness in colour patterns. Oikos, 2022, 2022, .	2.7	0