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List of Publications by Year
in descending order

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Version: 2024-02-01

89 papers	7,649 citations	109321 35 h-index	54911 84 g-index
92 all docs	92 docs citations	92 times ranked	10013 citing authors

#	Article	IF	Citations
1	Poleward shifts in geographical ranges of butterfly species associated with regional warming. Nature, 1999, 399, 579-583.	27.8	1,874
2	Extinction debt: a challenge for biodiversity conservation. Trends in Ecology and Evolution, 2009, 24, 564-571.	8.7	1,053
3	Habitat fragmentation causes immediate and timeâ€delayed biodiversity loss at different trophic levels. Ecology Letters, 2010, 13, 597-605.	6.4	620
4	Differences in the climatic debts of birds and butterflies at a continental scale. Nature Climate Change, 2012, 2, 121-124.	18.8	594
5	Effects of climatic change on the phenology of butterflies in the northwest Mediterranean Basin. Global Change Biology, 2003, 9, 1494-1506.	9.5	223
6	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	186
7	Fish community structure and depth-related trends on the continental slope of the Balearic Islands (Algerian basin, western Mediterranean). Marine Ecology - Progress Series, 1998, 171, 247-259.	1.9	151
8	Butterfly species richness in the north-west Mediterranean Basin: the role of natural and human-induced factors. Journal of Biogeography, 2004, 31, 905-915.	3.0	148
9	Multiâ€generational longâ€distance migration of insects: studying the painted lady butterfly in the Western Palaearctic. Ecography, 2013, 36, 474-486.	4.5	137
10	Deep-sea fish assemblages in the Catalan Sea (western Mediterranean) below a depth of 1000 m. Deep-Sea Research Part I: Oceanographic Research Papers, 1993, 40, 695-707.	1.4	121
11	Determinants of species richness in generalist and specialist Mediterranean butterflies: the negative synergistic forces of climate and habitat change. Ecography, 2011, 34, 353-363.	4.5	109
12	Impacts of Global Change on Mediterranean Forests and Their Services. Forests, 2017, 8, 463.	2.1	98
13	Assessment of the impacts of climate change on Mediterranean terrestrial ecosystems based on data from field experiments and long-term monitored field gradients in Catalonia. Environmental and Experimental Botany, 2018, 152, 49-59.	4.2	96
14	Deep-living demersal fishes in the Catalan Sea (western Mediterranean) below a depth of 1000 m. Journal of Natural History, 1992, 26, 197-213.	0.5	89
15	Strong, Long-Term Temporal Dynamics of an Ecological Network. PLoS ONE, 2011, 6, e26455.	2.5	89
16	Caterpillars of Euphydryas aurinia (Lepidoptera: Nymphalidae) feeding on Succisa pratensis leaves induce large foliar emissions of methanol. New Phytologist, 2005, 167, 851-857.	7.3	86
17	Migration of the painted lady butterfly,Vanessa cardui, to northâ€eastern Spain is aided by African wind currents. Journal of Animal Ecology, 2007, 76, 888-898.	2.8	70
18	Distribution and biology of five grenadier fish (Pisces: Macrouridae) from the upper and middle slope of the northwestern Mediterranean. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 307-330.	1.4	69

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19	The nature of migration in the red admiral butterflyVanessa atalanta: evidence from the population ecology in its southern range. Ecological Entomology, 2001, 26, 525-536.	2.2	68
20	Recent trends in butterfly populations from north-east Spain and Andorra in the light of habitat and climate change. Journal of Insect Conservation, 2011, 15, 83-93.	1.4	67
21	Assessing impacts of land abandonment on Mediterranean biodiversity using indicators based on bird and butterfly monitoring data. Environmental Conservation, 2016, 43, 69-78.	1.3	62
22	When random sampling does not work: standard design falsely indicates maladaptive host preferences in a butterfly. Ecology Letters, 2002, 5, 1-6.	6.4	60
23	Global biodiversity, stoichiometry and ecosystem function responses to human-induced Câ€“Nâ€“P imbalances. Journal of Plant Physiology, 2015, 172, 82-91.	3.5	57
24	General declines in Mediterranean butterflies over the last two decades are modulated by species traits. Biological Conservation, 2016, 201, 336-342.	4.1	57
25	Parasitism and migration in southern Palaearctic populations of the painted lady butterfly, Vanessa cardui (Lepidoptera: Nymphalidae). European Journal of Entomology, 2012, 109, 85-94.	1.2	57
26	Environmental drivers of annual population fluctuations in a trans-Saharan insect migrant. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	56
27	Host specialization by Cotesia wasps (Hymenoptera: Braconidae) parasitizing species-rich Melitaeini (Lepidoptera: Nymphalidae) communities in north-eastern Spain. Biological Journal of the Linnean Society, 2005, 86, 45-65.	1.6	55
28	Rapid changes in butterfly communities following the abandonment of grasslands: a case study. Insect Conservation and Diversity, 2009, 2, 261-269.	3.0	54
29	Long-distance autumn migration across the Sahara by painted lady butterflies: exploiting resource pulses in the tropical savannah. Biology Letters, 2016, 12, 20160561.	2.3	54
30	Effects of organic and conventional crop management on vineyard biodiversity. Agriculture, Ecosystems and Environment, 2017, 243, 19-26.	5.3	52
31	Habitat associations of species show consistent but weak responses to climate. Biology Letters, 2012, 8, 590-593.	2.3	49
32	European butterfly populations vary in sensitivity to weather across their geographical ranges. Global Ecology and Biogeography, 2017, 26, 1374-1385.	5.8	48
33	A regionally informed abundance index for supporting integrative analyses across butterfly monitoring schemes. Journal of Applied Ecology, 2016, 53, 501-510.	4.0	47
34	Butterflies highlight the conservation value of hay meadows highly threatened by land-use changes in a protected Mediterranean area. Biological Conservation, 2005, 126, 234-246.	4.1	45
35	A unified framework for diversity gradients: the adaptive trait continuum. Global Ecology and Biogeography, 2013, 22, 6-18.	5.8	41
36	Biogeography of species richness gradients: linking adaptive traits, demography and diversification. Biological Reviews, 2012, 87, 457-479.	10.4	39

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37	Integrating national Red Lists for prioritising conservation actions for European butterflies. Journal of Insect Conservation, 2019, 23, 301-330.	1.4	38
38	Distinguishing between anticipatory and responsive plasticity in a seasonally polyphenic butterfly. Evolutionary Ecology, 2013, 27, 315-332.	1.2	35
39	Phenological asynchrony in plantâ€“butterfly interactions associated with climate: a communityâ€wide perspective. Oikos, 2016, 125, 1434-1444.	2.7	35
40	Genetics of host plant use and life history in the comma butterfly across Europe: varying modes of inheritance as a potential reproductive barrier. Journal of Evolutionary Biology, 2006, 19, 1882-1893.	1.7	34
41	Vegetation encroachment drives changes in the composition of butterfly assemblages and species loss in Mediterranean ecosystems. Insect Conservation and Diversity, 2020, 13, 151-161.	3.0	33
42	Lonicera Implexa Leaves Bearing Naturally Laid Eggs of the Specialist Herbivore Euphydryas Aurinia have Dramatically Greater Concentrations of Iridoid Glycosides than other Leaves. Journal of Chemical Ecology, 2006, 32, 1925-1933.	1.8	30
43	Factors influencing the degree of generalization in flower use by Mediterranean butterflies. Oikos, 2009, 118, 1109-1117.	2.7	30
44	Determinants of extinctionâ€colonization dynamics in <scp>M</scp>editerranean butterflies: the role of landscape, climate and local habitat features. Journal of Animal Ecology, 2014, 83, 276-285.	2.8	30
45	Contrasting impacts of precipitation on Mediterranean birds and butterflies. Scientific Reports, 2019, 9, 5680.	3.3	30
46	Contributions of allochthonous inputs of food to the diets of benthopelagic fish over the northwest Mediterranean slope (to 2300 m). Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 109, 123-136.	1.4	28
47	Back to <scp>A</scp>frica: autumn migration of the painted lady butterfly Vanessa cardui is timed to coincide with an increase in resource availability. Ecological Entomology, 2017, 42, 737-747.	2.2	25
48	Effects of Natura 2000 on nontarget bird and butterfly species based on citizen science data. Conservation Biology, 2020, 34, 666-676.	4.7	25
49	Hostâ€associated genomic differentiation in congeneric butterflies: now you see it, now you do not. Molecular Ecology, 2013, 22, 4753-4766.	3.9	24
50	Host plant exodus and larval wandering behaviour in a butterfly: diapause generation larvae wander for longer periods than do nonâ€diapause generation larvae. Ecological Entomology, 2017, 42, 531-534.	2.2	24
51	Exploring the links between forest transition and landscape changes in the Mediterranean. Does forest recovery really lead to better landscape quality?. Agroforestry Systems, 2015, 89, 705-719.	2.0	23
52	Geographical variation in host plant utilization in the comma butterfly: the roles of time constraints and plant phenology. Evolutionary Ecology, 2009, 23, 807-825.	1.2	22
53	Latitudinal gradients in butterfly population variability are influenced by landscape heterogeneity. Ecography, 2014, 37, 863-871.	4.5	21
54	Phenotypic biomarkers of climatic impacts on declining insect populations: A key role for decadal drought, thermal buffering and amplification effects and host plant dynamics. Journal of Animal Ecology, 2019, 88, 376-391.	2.8	21

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55	Moroccan Source Areas of the Painted Lady ButterflyVanessa cardui(Nymphalidae: Nymphalinae) Migrating into Europe in Spring. Journal of the Lepidopterists' Society, 2011, 65, 15-26.	0.2	20
56	Uncertainty in thermal tolerances and climatic debt. Nature Climate Change, 2012, 2, 638-639.	18.8	20
57	Females of the specialist butterfly Euphydryas aurinia (Lepidoptera: Nymphalinae: Melitaeini) select the greenest leaves of Lonicera implexa (Caprifoliaceae) for oviposition. European Journal of Entomology, 2006, 103, 569-574.	1.2	20
58	The effect of an agro-pasture landscape on diversity and migration patterns of frugivorous butterflies in Chiapas, Mexico. Biodiversity and Conservation, 2009, 18, 919-934.	2.6	19
59	Spatial variability in a plantâ€“pollinator community across a continuous habitat: high heterogeneity in the face of apparent uniformity. Ecography, 2019, 42, 1558-1568.	4.5	17
60	First record of Seriola fasciata (Bloch, 1793) (Osteichthyes: Carangidae) in the Mediterranean. Journal of Fish Biology, 1993, 42, 143-144.	1.6	16
61	Timing of mating, reproductive status and resource availability in relation to migration in the painted lady butterfly. Animal Behaviour, 2021, 172, 145-153.	1.9	16
62	The parasitoid complex attacking coexisting Spanish populations ofEuphydryas auriniaandEuphydryas desfontainii(Lepidoptera: Nymphalidae, Melitaeini). Journal of Natural History, 2009, 43, 553-568.	0.5	15
63	Long-term effects of abandonment and restoration of Mediterranean meadows on butterfly-plant interactions. Journal of Insect Conservation, 2021, 25, 383-393.	1.4	15
64	Bathymetric distribution and growth patterns of Bathypterois mediterraneus from the north-western Mediterranean Sea. Journal of Fish Biology, 1996, 49, 276-288.	1.6	14
65	Spatioâ€temporal responses of butterflies to global warming on a Mediterranean island over two decades. Ecological Entomology, 2021, 46, 262-272.	2.2	14
66	Rewiring of interactions in a changing environment: nettleâ€feeding butterflies and their parasitoids. Oikos, 2021, 130, 624-636.	2.7	14
67	A new native plant in the neighborhood: effects on plantâ€“pollinator networks, pollination, and plant reproductive success. Ecology, 2020, 101, e03046.	3.2	13
68	Short-term temporal variability in fish community structure at two western Mediterranean slope locations. Deep-Sea Research Part I: Oceanographic Research Papers, 2008, 55, 866-880.	1.4	11
69	The role of the urban landscape on species with contrasting dispersal ability: Insights from greening plans for Barcelona. Landscape and Urban Planning, 2020, 195, 103707.	7.5	11
70	When the average hides the risk of Bt-corn pollen on non-target Lepidoptera: Application to Aglais io in Catalonia. Ecotoxicology and Environmental Safety, 2021, 207, 111215.	6.0	11
71	Concurrent Butterfly, Bat and Small Mammal Monitoring Programmes Using Citizen Science in Catalonia (NE Spain): A Historical Review and Future Directions. Diversity, 2021, 13, 454.	1.7	11
72	Local adaptation to climate anomalies relates to species phylogeny. Communications Biology, 2022, 5, 143.	4.4	9

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73	Phenological sensitivity and seasonal variability explain climate-driven trends in Mediterranean butterflies. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220251.	2.6	9
74	The parasitoid complex of the butterfly Iphiclides podalirius feisthamelii (Lepidoptera: Papilionidae) in north-east Spain. Journal of Natural History, 2003, 37, 379-396.	0.5	8
75	Do asynchronies in extinction debt affect the structure of trophic networks? A case study of antagonistic butterfly larvaeâ€“plant networks. Oikos, 2018, 127, 803-813.	2.7	8
76	The Catalan butterfly monitoring scheme has the capacity to detect effects of modifying agricultural practices. Ecosphere, 2020, 11, e03004.	2.2	8
77	Applicability of butterfly transect counts to estimate species richness in different parts of the palaearctic region. Ecological Indicators, 2018, 95, 735-740.	6.3	7
78	Long-term monitoring of Menorcan butterfly populations reveals widespread insular biogeographical patterns and negative trends. Biodiversity and Conservation, 2019, 28, 1837-1851.	2.6	7
79	Diversity of insect pollinators in the Iberian Peninsula. Ecosistemas, 2018, 27, 9-22.	0.4	7
80	Physiological differences between female limited, alternative life history strategies: The Alba phenotype in the butterfly Colias croceus. Journal of Insect Physiology, 2018, 107, 257-264.	2.0	6
81	Monitoring environmental effects on farmland Lepidoptera: Does necessary sampling effort vary between different bio-geographic regions in Europe?. Ecological Indicators, 2019, 102, 791-800.	6.3	6
82	Butterfly biodiversity in the city is driven by the interaction of the urban landscape and species traits: a call for contextualised management. Landscape Ecology, 2022, 37, 81-92.	4.2	6
83	Long-distance wind-borne dispersal of the moth Cornifrons ulceratalis (Lepidoptera: Crambidae:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	5
84	Larval parasitism in a specialist herbivore is explained by phenological synchrony and host plant availability. Journal of Animal Ecology, 2022, 91, 1010-1023.	2.8	3
85	Bioclimatic context of species' populations determines community stability. Global Ecology and Biogeography, 2022, 31, 1542-1555.	5.8	3
86	Weather and butterfly responses: a framework for understanding population dynamics in terms of speciesâ€™ life-cycles and extreme climatic events. Oecologia, 2022, 199, 427-439.	2.0	3
87	Extension of the spatiallyâ€•and temporallyâ€•explicit â€œbriskaRâ€NTLâ€•model to assess potential adverse effects of Btâ€•maize pollen on nonâ€•target Lepidoptera at landscape level. EFSA Supporting Publications, 2021, 18, 6443E.	0.7	2
88	Reply to LÃ³pez-MaÃ±as etÂal.: Spatial population models of migrants should be underpinned by phenology, behavior, and ecology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2203349119.	7.1	2
89	Forces driving the composition of butterfly assemblages in Andorra. Journal of Insect Conservation, 2013, 17, 897-910.	1.4	1