

# Scientists' warning to humanity on insect extinctions

Biological Conservation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Climate change-mediated temperature extremes and insects: From outbreaks to breakdowns. <i>Global Change Biology</i> , 2020, 26, 6685-6701.	4.2	114
2	Low doses of the neonicotinoid insecticide imidacloprid induce ROS triggering neurological and metabolic impairments in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25840-25850.	3.3	85
3	Explicit integration of dispersal-related metrics improves predictions of SDM in predatory arthropods. <i>Scientific Reports</i> , 2020, 10, 16668.	1.6	18
4	Increase of insular exotic arthropod diversity is a fundamental dimension of the current biodiversity crisis. <i>Insect Conservation and Diversity</i> , 2020, 13, 508-518.	1.4	44
5	Grand Challenges in Global Biodiversity Threats. <i>Frontiers in Conservation Science</i> , 2020, 1, .	0.9	3
6	Positive Correlation between Pesticide Consumption and Longevity in Solitary Bees: Are We Overlooking Fitness Trade-Offs?. <i>Insects</i> , 2020, 11, 819.	1.0	11
7	A global class reunion with multiple groups feasting on the declining insect smorgasbord. <i>Scientific Reports</i> , 2020, 10, 16595.	1.6	9
8	Heated rivalries: Phenological variation modifies competition for pollinators among arctic plants. <i>Global Change Biology</i> , 2020, 26, 6313-6325.	4.2	9
9	Media framing of spiders may exacerbate arachnophobic sentiments. <i>People and Nature</i> , 2020, 2, 1145-1157.	1.7	15
10	Taxonomic and functional homogenisation of macroinvertebrate communities in recently intermittent Alpine watercourses. <i>Freshwater Biology</i> , 2020, 65, 2096-2107.	1.2	29
11	Phenological Patterns and Seasonal Segregation of Coprophilous Beetles (Coleoptera: Scarabaeoidea) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> <i>Ecology and Evolution</i> , 2020, 8, .	1.1	3
12	Fundamental research questions in subterranean biology. <i>Biological Reviews</i> , 2020, 95, 1855-1872.	4.7	86
13	Towards Global Volunteer Monitoring of Odonate Abundance. <i>BioScience</i> , 2020, 70, 914-923.	2.2	32
14	Abandoned fields and high plant diversity support high spider diversity within an agricultural mosaic in a biodiversity hotspot. <i>Biodiversity and Conservation</i> , 2020, 29, 3757-3782.	1.2	9
15	Relative impacts of land-use and climate change on grasshopper range shifts have changed over time. <i>Global Ecology and Biogeography</i> , 2020, 29, 2190-2202.	2.7	40
16	Science-Driven Societal Transformation, Part I: Worldview. <i>Sustainability</i> , 2020, 12, 6881.	1.6	5
17	Comment on "Meta-analysis reveals declines in terrestrial but increases in freshwater insect abundances". <i>Science</i> , 2020, 370, .	6.0	41
18	Towards a Sinophone Insect Humanities: A Review Essay. <i>Journal of the History of Biology</i> , 2020, 53, 667-678.	0.2	1

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19	Towards a taxonomically unbiased European Union biodiversity strategy for 2030. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202166.	1.2	69
20	Sampling beetle communities: Trap design interacts with weather and species traits to bias capture rates. Ecology and Evolution, 2020, 10, 14300-14308.	0.8	9
21	Decline of <i>Eulia ministrana</i> (Lepidoptera: Tortricidae) in polluted habitats is not accompanied by phenotypic stress responses. Insect Science, 2021, 28, 1482-1490.	1.5	5
22	Deadly trap or sweet home? The case of discarded containers as novelty microhabitats for ants. Global Ecology and Conservation, 2020, 23, e01064.	1.0	3
23	Ecosystem Services Provided by Insects in Brazil: What Do We Really Know?. Neotropical Entomology, 2020, 49, 783-794.	0.5	21
24	Changes in plants due to elevated CO2 may be a significant contributor to insect declines: Response to Cardoso, et al. and Samways, et al.. Biological Conservation, 2020, 247, 108575.	1.9	1
25	Moving beyond the distinction between the bright and dark sides of termites to achieve sustainable development goals. Current Opinion in Insect Science, 2020, 40, 71-76.	2.2	12
26	Foodborne Transmission and Clinical Symptoms of Honey Bee Viruses in Ants <i>Lasius</i> spp.. Viruses, 2020, 12, 321.	1.5	11
27	Scientists' warning on invasive alien species. Biological Reviews, 2020, 95, 1511-1534.	4.7	928
28	Solutions for humanity on how to conserve insects. Biological Conservation, 2020, 242, 108427.	1.9	203
29	Response to comments on "Changes in plants due to elevated CO2 may be a significant contributor to insect declines: Response to Cardoso, et al. and Samways, et al." Biological Conservation, 2020, 247, 108584.	1.9	1
30	Wildlife collection for scientific purposes. Conservation Biology, 2021, 35, 5-11.	2.4	7
31	Diverse herbaceous cover crops promote vineyard arthropod diversity across different management regimes. Agriculture, Ecosystems and Environment, 2021, 307, 107222.	2.5	38
32	In the still of the night: firefly tourism in Mexico. Anatolia, 2021, 32, 12-22.	1.3	6
33	Effect of Chemical Pollution and Parasitism on Heat Tolerance in Dung Beetles (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 T	0.8	8
34	Revisiting the economic valuation of agricultural losses due to large-scale changes in pollinator populations. Ecological Economics, 2021, 180, 106860.	2.9	22
35	Insect responses to global change offer signposts for biodiversity and conservation. Ecological Entomology, 2021, 46, 699-717.	1.1	63
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37	Cascading extinctions as a hidden driver of insect decline. <i>Ecological Entomology</i> , 2021, 46, 743-756.	1.1	49
38	The Sterile Insect Technique: Success and Perspectives in the Neotropics. <i>Neotropical Entomology</i> , 2021, 50, 172-185.	0.5	30
39	Alarming evidence of widespread mite extinctions in the shadows of plant, insect and vertebrate extinctions. <i>Austral Ecology</i> , 2021, 46, 163-176.	0.7	11
40	The decline of butterfly populations due to climate and land use change in Romania. , 2021, , 271-285.		3
41	Eight simple actions that individuals can take to save insects from global declines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	40
42	Replacing cheap nature? Sustainability, capitalist future-making and political ecologies of robotic pollination. <i>Environment and Planning E, Nature and Space</i> , 2022, 5, 426-446.	1.6	6
43	Changes in a peri-urban butterfly assemblage over 80 years near Melbourne, Australia. <i>Austral Entomology</i> , 2021, 60, 27-51.	0.8	14
44	Galapagos tortoises: Protagonists in the spectacle of life on Earth. , 2021, , 23-45.		1
45	Smaller and Isolated Grassland Fragments Are Exposed to Stronger Seed and Insect Predation in Habitat Edges. <i>Forests</i> , 2021, 12, 54.	0.9	9
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49	Effects of Global Warming on the Distribution and Diversity of Arctic and Subarctic Insects. , 2021, , 73-83.		0
50	Life history of the false flower mantid ( <i>Harpagomantis tricolor</i> Linnaeus, 1758) (Mantodea: Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	0.4	4
51	Population declines and the conservation of insects and other terrestrial invertebrates in Australia. <i>Austral Entomology</i> , 2021, 60, 3-8.	0.8	9
53	Predicting climate effects on aquatic true bugs in a tropical biodiversity hotspot. <i>Journal of Insect Conservation</i> , 2021, 25, 229-241.	0.8	5
54	Conservation of a strongly declining butterfly species depends on traditionally managed grasslands. <i>Journal of Insect Conservation</i> , 2021, 25, 255-271.	0.8	13
55	Lost and found: 160 years of Lepidoptera observations in Wuppertal (Germany). <i>Journal of Insect Conservation</i> , 2021, 25, 273-285.	0.8	9

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56	Butterflies on the brink: identifying the Australian butterflies (Lepidoptera) most at risk of extinction. <i>Austral Entomology</i> , 2021, 60, 98-110.	0.8	31
57	Insect decline: immediate action is needed. <i>Comptes Rendus - Biologies</i> , 2020, 343, 267-293.	0.1	10
58	Geographical, temporal and taxonomic biases in insect <sc>GBIF</sc> data on biodiversity and extinction. <i>Ecological Entomology</i> , 2021, 46, 718-728.	1.1	46
59	A Review of Insect Monitoring Approaches with Special Reference to Radar Techniques. <i>Sensors</i> , 2021, 21, 1474.	2.1	27
60	Cytochrome <i>c</i> oxidase subunit I barcode species delineation methods imply critically underestimated diversity in "common" Hermeuptychia butterflies (Lepidoptera: Nymphalidae: Tj ETQq0.00 rgBT\$Overlock	0.0	0
61	An overview of Neotropical arthropod conservation efforts using risk assessment lists. <i>Journal of Insect Conservation</i> , 2021, 25, 361-376.	0.8	7
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65	Variation in Insect Richness on Six Prairie Plant Species. <i>Southeastern Naturalist</i> , 2021, 20, .	0.2	0
66	Disentangling the effects of latitudinal and elevational gradients on bee, wasp, and ant diversity in an ancient neotropical mountain range. <i>Journal of Biogeography</i> , 2021, 48, 1564-1578.	1.4	11
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70	Abandonment of traditional land use and climate change threaten the survival of an endangered relict butterfly species. <i>Insect Conservation and Diversity</i> , 2021, 14, 556-567.	1.4	12
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72	COVID-19 Pandemic Turns Life-Science Students into "Citizen Scientists" Data Indicate Multiple Negative Effects of Urbanization on Biota. <i>Sustainability</i> , 2021, 13, 2992.	1.6	9
73	Live wild animal exports to supply the exotic pet trade: A case study from Togo using publicly available social media data. <i>Conservation Science and Practice</i> , 2021, 3, e430.	0.9	15

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75	Bloom evenness modulates the influence of bloom abundance on insect community structure in suburban gardens. <i>PeerJ</i> , 2021, 9, e11132.	0.9	4
76	Spider conservation in Europe: a review. <i>Biological Conservation</i> , 2021, 256, 109020.	1.9	27
77	On the structural complexity of central European agroforestry systems: a quantitative assessment using terrestrial laser scanning in single-scan mode. <i>Agroforestry Systems</i> , 2021, 95, 669-685.	0.9	7
78	Insect Cultural Services: How Insects Have Changed Our Lives and How Can We Do Better for Them. <i>Insects</i> , 2021, 12, 377.	1.0	11
79	Organic farming promotes arthropod predators, but this depends on neighbouring patches of natural vegetation. <i>Agriculture, Ecosystems and Environment</i> , 2021, 310, 107295.	2.5	19
80	Adequate statistical modelling and data selection are essential when analysing abundance and diversity trends. <i>Nature Ecology and Evolution</i> , 2021, 5, 592-594.	3.4	13
81	Mammalian herbivore movement into drought refugia has cascading effects on savanna insect communities. <i>Journal of Animal Ecology</i> , 2021, 90, 1753-1763.	1.3	2
82	Clinical Ecopsychology: The Mental Health Impacts and Underlying Pathways of the Climate and Environmental Crisis. <i>Frontiers in Psychiatry</i> , 2021, 12, 675936.	1.3	38
83	Insect extinction: introduction to special issue. <i>Ecological Entomology</i> , 2021, 46, 691-692.	1.1	2
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85	Short-Rotation Coppice Managed According to Ecological Guidelines—What Are the Benefits for Phytodiversity?. <i>Forests</i> , 2021, 12, 646.	0.9	3
86	Insect threats and conservation through the lens of global experts. <i>Conservation Letters</i> , 2021, 14, e12814.	2.8	22
87	Ant community responses to farmland use and revegetation in a fragmented agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107316.	2.5	6
88	Out of sight, out of mind: public and research interest in insects is negatively correlated with their conservation status. <i>Insect Conservation and Diversity</i> , 2021, 14, 700-708.	1.4	16
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98	A novel trap design for non-lethal monitoring of dung beetles using eDNA metabarcoding. <i>Journal of Insect Conservation</i> , 2021, 25, 629-642.	0.8	2
99	Winners and losers over 35 years of dragonfly and damselfly distributional change in Germany. <i>Diversity and Distributions</i> , 2021, 27, 1353-1366.	1.9	29
100	Agroecological Strategies to Safeguard Insect Pollinators in Biodiversity Hotspots: Chile as a Case Study. <i>Sustainability</i> , 2021, 13, 6728.	1.6	13
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105	Changes in climate drive recent monarch butterfly dynamics. <i>Nature Ecology and Evolution</i> , 2021, 5, 1441-1452.	3.4	37
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108	Causes and Reasons of Insect Decline and the Way Forward. , 0, , .		2
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110	Ecological processes associated with different animal taxa in urban environments. <i>Ecosphere</i> , 2021, 12, e03712.	1.0	4

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111	Changes of Phylogenetic and Taxonomic Diversity of Odonata (Insecta) in Response to Land Use in Amazonia. <i>Forests</i> , 2021, 12, 1061.	0.9	5
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114	Taxonomic and functional macroinvertebrate diversity of high-altitude ponds in the Macun Cirque, Switzerland. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 3201-3214.	0.9	2
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120	Economic value of insect pollination of major crops in Morocco. <i>International Journal of Tropical Insect Science</i> , 0, , .	0.4	7
121	Research networks should improve connectivity for halting freshwater insect extinctions. <i>Ecological Entomology</i> , 2022, 47, 63-75.	1.1	4
122	Physiological, morphological and ecological traits drive desiccation resistance in north temperate dung beetles. <i>BMC Zoology</i> , 2021, 6, .	0.3	1
123	The Role of Small Lowland Patches of Exotic Forests as Refuges of Rare Endemic Azorean Arthropods. <i>Diversity</i> , 2021, 13, 443.	0.7	16
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133	Restoration of montane heathlands – Early- and mid-successional stages promote phytodiversity. <i>Ecological Engineering</i> , 2021, 169, 106294.	1.6	5
134	Major insect groups show distinct responses to local and regional attributes of urban green spaces. <i>Landscape and Urban Planning</i> , 2021, 216, 104238.	3.4	6
135	Distribution and Habitat Affinity of Endemic and Threatened Species: Global and European Assessment. <i>Environmental Challenges and Solutions</i> , 2021, , 233-277.	0.5	2
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139	An expert-based assessment of global threats and conservation measures for spiders. <i>Global Ecology and Conservation</i> , 2020, 24, e01290.	1.0	22
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145	Spatiotemporal Distribution of Herbivorous Insects Along Always-Green Mountaintop Forest Islands. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	5
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148	Scientists' warning to humanity on illegal or unsustainable wildlife trade. <i>Biological Conservation</i> , 2021, 263, 109341.	1.9	50
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154	Open datasets wanted for tracking the insect decline: letâ€™s start from saproxylic beetles. Biodiversity Data Journal, 2021, 9, e72741.	0.4	9
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167	Preliminary results from beehive activity monitoring using a 77 GHz FMCW radar sensor. , 2021, , .		2
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176	Natural Areas of Cerrado Foster Wasp (Hymenoptera) Diversity in Human Modified Landscapes. <i>Environmental Entomology</i> , 2022, , .	0.7	0
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180	German Laypeople's Willingness to Donate Toward Insect Conservation: Application of an Extended Protection Motivation Theory. <i>Frontiers in Psychology</i> , 2021, 12, 773913.	1.1	4
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188	Disentangling the Benefits of Organic Farming for Beetle Communities (Insecta: Coleoptera) in Traditional Fruit Orchards. <i>Agriculture (Switzerland)</i> , 2022, 12, 243.	1.4	1
189	Response of honeybee colony size to flower strips in agricultural landscapes depends on areal proportion, spatial distribution and plant composition. <i>Basic and Applied Ecology</i> , 2022, 60, 123-138.	1.2	15
190	Partitioning of arthropod species diversity in temperate meadows, wildflower areas and pastures. <i>Basic and Applied Ecology</i> , 2022, , .	1.2	3

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196	Low doses of the organic insecticide spinosad trigger lysosomal defects, elevated ROS, lipid dysregulation, and neurodegeneration in flies. <i>ELife</i> , 2022, 11, .	2.8	16
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216	Anthropogenic pressures coincide with Neotropical biodiversity hotspots in a flagship butterfly group. <i>Diversity and Distributions</i> , 2022, 28, 2912-2930.	1.9	18
218	A framework and case study to systematically identify long-term insect abundance and diversity datasets. <i>Conservation Science and Practice</i> , 2022, 4, .	0.9	5
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224	Development of two common dragonfly species with diverging occupancy trends. <i>Journal of Insect Conservation</i> , 2022, 26, 571-581.	0.8	2
225	Recovery of moth and butterfly (Lepidoptera) communities in a polluted region following emission decline. <i>Science of the Total Environment</i> , 2022, 838, 155800.	3.9	8
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227	Searching the web builds fuller picture of arachnid trade. <i>Communications Biology</i> , 2022, 5, 448.	2.0	21
229	Separation of Heterotrophic Microalgae <i>Cryptocodium cohnii</i> by Dielectrophoresis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	3
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233	Elements of agroecological pest and disease management. <i>Elementa</i> , 2022, 10, .	1.1	5
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235	Summer drought affects abundance of grassland grasshoppers differently along an elevation gradient. <i>Ecological Entomology</i> , 2022, 47, 778-790.	1.1	7
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239	Using biological invasions to improve plant defense theory. <i>Entomologia Experimentalis Et Applicata</i> , 0, , .	0.7	2
240	Contamination effects on sexual selection in wild dung beetles. <i>Journal of Evolutionary Biology</i> , 2022, 35, 905-918.	0.8	2
241	Choosing collection methods and sample sizes for monitoring bees. <i>Agricultural and Forest Entomology</i> , 2022, 24, 531-539.	0.7	3
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244	A strong decline of the endangered Apollo butterfly over 20 years in the archipelago of southern Finland. <i>Journal of Insect Conservation</i> , 2022, 26, 673-681.	0.8	1
245	Parasites in peril: abundance of batflies (Diptera: Nycteribiidae) declines along an urbanisation gradient. <i>Journal of Insect Conservation</i> , 0, , .	0.8	0
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257	Interactive effects of rangeland management and rainfall on dung beetle diversity. <i>Biodiversity and Conservation</i> , 2022, 31, 2639-2656.	1.2	2
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260	Climate-driven divergent long-term trends of forest beetles in Japan. <i>Ecology Letters</i> , 2022, 25, 2009-2021.	3.0	5
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264	Linking potential habitats of Odonata (Insecta) with changes in land use/land cover in Mexico. <i>European Journal of Entomology</i> , 0, 119, 272-284.	1.2	1
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267	Challenges and bottlenecks for butterfly conservation in a highly anthropogenic region: Europe's worst case scenario revisited. <i>Biological Conservation</i> , 2022, 274, 109732.	1.9	3
268	Breakpoints in butterfly decline in Central Europe over the last century. <i>Science of the Total Environment</i> , 2022, 851, 158315.	3.9	23
269	Entomophagy and the Nexus Between Human and Planetary Health. <i>Climate Change Management</i> , 2022, , 29-44.	0.6	0
270	Scientists' warning to humanity on tree extinctions. <i>Plants People Planet</i> , 2023, 5, 466-482.	1.6	31
272	The FloRes Database: A floral resources trait database for pollinator habitat-assessment generated by a multistep workflow. <i>Biodiversity Data Journal</i> , 0, 10, .	0.4	3
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274	Stability, bifurcation analysis, and chaos control of a discrete bioeconomic model. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	0
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278	Effects of Climate Change on Insect Pollinators and Implications for Food Security—Evidence and Recommended Actions. , 2022, , 143-163.		1
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283	Land Use Impacts on Diversity and Abundance of Insect Species. , 0, , .		0
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285	Conservation value of traditional meadow irrigation for carabid beetles. <i>Ecological Indicators</i> , 2022, 144, 109553.	2.6	0
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288	Mercury entomotoxicology. <i>Chemosphere</i> , 2023, 311, 136965.	4.2	2
289	Threatened species could be more vulnerable to climate change in tropical countries. <i>Science of the Total Environment</i> , 2023, 858, 159989.	3.9	12
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291	Scientists' warning on climate change and insects. <i>Ecological Monographs</i> , 2023, 93, .	2.4	90
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296	Insects from the southwest Australia biodiversity hotspot: a barometer of diversity and threat status of nine host-dependent families across three orders. Journal of Insect Conservation, 2023, 27, 3-18.	0.8	4
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302	Insects: The Unrecognized Heroes. , 2023, , 1-8.		0
303	Insects in Environmental Engineering and Ecosystem Services. , 2023, , 11-35.		0
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317	Herbicide Effects on Nontarget Organisms, Biodiversity and Ecosystem Functions. , 2024, , 239-257.		1
318	The importance of landscape heterogeneity and vegetation structure for the conservation of the Ortolan Bunting <i>Emberiza hortulana</i> . <i>Bird Conservation International</i> , 2023, 33, .	0.7	3
319	Different environmental conditions in lowlands and uplands highlight challenges for butterfly conservation in Central Europe. <i>Biological Conservation</i> , 2023, 281, 110034.	1.9	2
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322	Evidence of biological recovery from gross pollution in English and Welsh rivers over three decades. <i>Science of the Total Environment</i> , 2023, 878, 163107.	3.9	3
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324	Mexican Insects in the Anthropocene. , 2023, , 47-65.		0
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337	Are Botanical Biopesticides Safe for Bees (Hymenoptera, Apoidea)?. <i>Insects</i> , 2023, 14, 247.	1.0	2
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344	Neotropical Gradients of Insect Groups in Brazilian Mountains. , 2023, , 309-343.		0
345	Demography, passive surveillance and potential habitat modelling of an Australian giant trapdoor spider (Idiopidae: <i>Euoplos grandis</i> ) from the Queensland Brigalow Belt: half a decade of population monitoring for conservation outcomes. <i>Austral Entomology</i> , 2023, 62, 200-219.	0.8	2
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348	Climate Change, Extreme Temperatures and Sex-Related Responses in Spiders. <i>Biology</i> , 2023, 12, 615.	1.3	0
349	Variety among physical landscape features in natural grassland-plantation forestry mosaics promotes diverse butterfly assemblages. <i>Biological Conservation</i> , 2023, 282, 110076.	1.9	0
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402	Microorganisms and disease-mediated invasions affecting native insect conservation. , 2024, , 225-255.		0

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404	From trade regulations to socio-ecological solutions: Present and future actions to promote insect conservation. , 2024, , 315-326.		0
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