Thomas H Oliver

List of Publications by Year
in descending order

76 papers	4,752 citations	126907 33 h-index	102487 66 g-index
76 all docs	76 docs citations	76 times ranked	7424 citing authors

#	Article	IF	Citations
1	Biodiversity and Resilience of Ecosystem Functions. Trends in Ecology and Evolution, 2015, 30, 673-684.	8.7	916
2	Interactions between climate change and land use change onÂbiodiversity: attribution problems, risks, and opportunities. Wiley Interdisciplinary Reviews: Climate Change, 2014, 5, 317-335.	8.1	333
3	Declining resilience of ecosystem functions under biodiversity loss. Nature Communications, 2015, 6, 10122.	12.8	246
4	Heterogeneous landscapes promote population stability. Ecology Letters, 2010, 13, 473-484.	6.4	233
5	Interacting effects of climate change and habitat fragmentation on drought-sensitive butterflies. Nature Climate Change, 2015, 5, 941-945.	18.8	186
6	Protected areas facilitate speciesâ€™ range expansions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14063-14068.	7.1	185
7	Longâ€term changes to the frequency of occurrence of British moths are consistent with opposing and synergistic effects of climate and landâ€use changes. Journal of Applied Ecology, 2014, 51, 949-957.	4.0	175
8	Predicting insect phenology across space and time. Global Change Biology, 2011, 17, 1289-1300.	9.5	118
9	Resilience and food security: rethinking an ecological concept. Journal of Ecology, 2017, 105, 880-884.	4.0	114
10	A framework for assessing threats and benefits to species responding to climate change. Methods in Ecology and Evolution, 2011, 2, 125-142.	5.2	109
11	Geographical range margins of many taxonomic groups continue to shift polewards. Biological Journal of the Linnean Society, 2015, 115, 586-597.	1.6	105
12	Changes in habitat specificity of species at their climatic range boundaries. Ecology Letters, 2009, 12, 1091-1102.	6.4	101
13	The importance of landscape characteristics for the delivery of cultural ecosystem services. Journal of Environmental Management, 2018, 206, 1145-1154.	7.8	90
14	Habitat availability explains variation in climate-driven range shifts across multiple taxonomic groups. Scientific Reports, 2019, 9, 15039.	3.3	85
15	Forest management effects on carabid beetle communities in coniferous and broadleaved forests: implications for conservation. Insect Conservation and Diversity, 2008, 1, 242-252.	3.0	69
16	Overcoming undesirable resilience in the global food system. Global Sustainability, 2018, 1, .	3.3	66
17	Population resilience to an extreme drought is influenced by habitat area and fragmentation in the local landscape. Ecography, 2013, 36, 579-586.	4.5	62
18	The effects of host plant on the coccinellid functional response: Is the conifer specialist Aphidecta obliterata (L.) (Coleoptera: Coccinellidae) better adapted to spruce than the generalist Adalia bipunctata (L.) (Coleoptera: Coccinellidae)?. Biological Control, 2008, 47, 273-281.	3.0	61

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19	Defining and delivering resilient ecological networks: Nature conservation in England. Journal of Applied Ecology, 2018, 55, 2537-2543.	4.0	56
20	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
21	A decision framework for considering climate change adaptation in biodiversity conservation planning. Journal of Applied Ecology, 2012, 49, 1247-1255.	4.0	54
22	Evidence for intermittency and a truncated power law from highly resolved aphid movement data. Journal of the Royal Society Interface, 2010, 7, 199-208.	3.4	53
23	Similarities in butterfly emergence dates among populations suggest local adaptation to climate. Global Change Biology, 2015, 21, 3313-3322.	9.5	53
24	The effectiveness of protected areas in the conservation of species with changing geographical ranges. Biological Journal of the Linnean Society, 2015, 115, 707-717.	1.6	53
25	Large extents of intensive land use limit community reorganization during climate warming. Global Change Biology, 2017, 23, 2272-2283.	9.5	52
26	Habitat associations of species show consistent but weak responses to climate. Biology Letters, 2012, 8, 590-593.	2.3	49
27	Population density but not stability can be predicted from species distribution models. Journal of Applied Ecology, 2012, 49, 581-590.	4.0	49
28	European butterfly populations vary in sensitivity to weather across their geographical ranges. Global Ecology and Biogeography, 2017, 26, 1374-1385.	5.8	48
29	Potential landscapeâ€scale pollinator networks across Great Britain: structure, stability and influence of agricultural land cover. Ecology Letters, 2018, 21, 1821-1832.	6.4	48
30	A regionally informed abundance index for supporting integrative analyses across butterfly monitoring schemes. Journal of Applied Ecology, 2016, 53, 501-510.	4.0	47
31	Avoidance responses of an aphidophagous ladybird, <i>Adalia bipunctata</i>, to aphidâ€tending ants. Ecological Entomology, 2008, 33, 523-528.	2.2	46
32	Macroevolutionary patterns in the origin of mutualisms involving ants. Journal of Evolutionary Biology, 2008, 21, 1597-1608.	1.7	44
33	Ant semiochemicals limit apterous aphid dispersal. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 3127-3131.	2.6	36
34	A national-scale assessment of climate change impacts on species: Assessing the balance of risks and opportunities for multiple taxa. Biological Conservation, 2017, 213, 124-134.	4.1	35
35	Oviposition responses to patch quality in the larch ladybird Aphidecta obliterata (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Research, 2006, 96, 25-34.	1.0	33
36	Towards a bridging concept for undesirable resilience in social-ecological systems. Global Sustainability, 2020, 3, .	3.3	33

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37	Reduced variability in rangeâ€edge butterfly populations over three decades of climate warming. Global Change Biology, 2012, 18, 1531-1539.	9.5	32
38	Tolerance traits and the stability of mutualism. Oikos, 2009, 118, 346-352.	2.7	31
39	The influence of landscape composition and configuration on crop yield resilience. Journal of Applied Ecology, 2020, 57, 2180-2190.	4.0	30
40	Habitat associations of thermophilous butterflies are reduced despite climatic warming. Global Change Biology, 2012, 18, 2720-2729.	9.5	29
41	The pitfalls of ecological forecasting. Biological Journal of the Linnean Society, 2015, 115, 767-778.	1.6	29
42	Knowledge architecture for the wise governance of sustainability transitions. Environmental Science and Policy, 2021, 126, 152-163.	4.9	29
43	Synchrony of butterfly populations across species' geographic ranges. Oikos, 2010, 119, 1690-1696.	2.7	27
44	Are existing biodiversity conservation strategies appropriate in a changing climate?. Biological Conservation, 2016, 193, 17-26.	4.1	27
45	How much biodiversity loss is too much?. Science, 2016, 353, 220-221.	12.6	26
46	Effects of Natura 2000 on nontarget bird and butterfly species based on citizen science data. Conservation Biology, 2020, 34, 666-676.	4.7	25
47	Measuring functional connectivity using longâ€term monitoring data. Methods in Ecology and Evolution, 2011, 2, 527-533.	5.2	24
48	Using ecological and field survey data to establish a national list of the wild bee pollinators of crops. Agriculture, Ecosystems and Environment, 2021, 315, 107447.	5.3	24
49	A nationalâ€scale model of linear features improves predictions of farmland biodiversity. Journal of Applied Ecology, 2017, 54, 1776-1784.	4.0	22
50	Can site and landscapeâ€scale environmental attributes buffer bird populations against weather events?. Ecography, 2014, 37, 872-882.	4.5	21
51	Latitudinal gradients in butterfly population variability are influenced by landscape heterogeneity. Ecography, 2014, 37, 863-871.	4.5	21
52	The utility of distribution data in predicting phenology. Methods in Ecology and Evolution, 2013, 4, 1024-1032.	5.2	19
53	Large reorganizations in butterfly communities during an extreme weather event. Ecography, 2017, 40, 577-585.	4.5	18
54	Where and why are species' range shifts hampered by unsuitable landscapes?. Global Change Biology, 2022, 28, 4765-4774.	9.5	16

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55	Towards a measure of functional connectivity: local synchrony matches small scale movements in a woodland edge butterfly. Landscape Ecology, 2012, 27, 1109-1120.	4.2	14
56	Big Data and Ecosystem Research Programmes. Advances in Ecological Research, 2014, 51, 41-77.	2.7	14
57	A Synthesis is Emerging between Biodiversityâ€"Ecosystem Function and Ecological Resilience Research: Reply to Mori. Trends in Ecology and Evolution, 2016, 31, 89-92.	8.7	14
58	Multi-taxa spatial conservation planning reveals similar priorities between taxa and improved protected area representation with climate change. Biodiversity and Conservation, 2022, 31, 683-702.	2.6	13
59	When are ant-attractant devices a worthwhile investment? Vicia faba extrafloral nectaries and Lasius niger ants. Population Ecology, 2007, 49, 265-273.	1.2	12
60	Assessing speciesâ€™ habitat associations from occurrence records, standardised monitoring data and expert opinion: A test with British butterflies. Ecological Indicators, 2016, 62, 271-278.	6.3	12
61	Developing a biodiversityâ€based indicator for largeâ€scale environmental assessment: a case study of proposed shale gas extraction sites in Britain. Journal of Applied Ecology, 2017, 54, 872-882.	4.0	12
62	Ant Larval Demand Reduces Aphid Colony Growth Rates in an Ant-Aphid Interaction. Insects, 2012, 3, 120-130.	2.2	11
63	Spatial variation in the magnitude and functional form of densityâ€dependent processes on the large skipper butterfly <i>Ochlodes sylvanus</i>. Ecological Entomology, 2013, 38, 608-616.	2.2	11
64	Inventorying and monitoring crop pollinating bees: Evaluating the effectiveness of common sampling methods. Insect Conservation and Diversity, 2022, 15, 299-311.	3.0	11
65	Diversity of response and effect traits provides complementary information about avian community dynamics linked to ecological function. Functional Ecology, 2021, 35, 1938-1950.	3.6	10
66	Numerical abundance of invasive ants and monopolisation of exudateâ€producing resources â€" a chicken and egg situation. Insect Conservation and Diversity, 2008, 1, 208-214.	3.0	9
67	Synchrony in population counts predicts butterfly movement frequencies. Ecological Entomology, 2017, 42, 375-378.	2.2	9
68	Population variability in species can be deduced from opportunistic citizen science records: a case study using British butterflies. Insect Conservation and Diversity, 2018, 11, 131-142.	3.0	9
69	Local adaptation to climate anomalies relates to species phylogeny. Communications Biology, 2022, 5, 143.	4.4	9
70	Predicting resilience of ecosystem functioning from coâ€varying species' responses to environmental change. Ecology and Evolution, 2019, 9, 11775-11790.	1.9	8
71	Transformation archetypes in global food systems. Sustainability Science, 2022, 17, 1827-1840.	4.9	8
72	Feeding behaviour of the black pine beetle, Hylastes ater (Coleoptera: Scolytidae). Agricultural and Forest Entomology, 2007, 9, 115-124.	1.3	6

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73	Effect of humidity and temperature on the performance of three strains of Aphalara itadori, a biocontrol agent for Japanese Knotweed. Biological Control, 2020, 146, 104269.	3.0	6
74	Preâ€dispersal seed predation could help explain premature fruit drop in a tropical forest. Journal of Ecology, 2022, 110, 751-761.	4.0	5
75	The influence of chalk grasslands on butterfly phenology and ecology. Ecology and Evolution, 2021, 11, 14521-14539.	1.9	0
76	Developing a national indicator of functional connectivity. Ecological Indicators, 2022, 136, 108610.	6.3	0