Nicholas J B Isaac

List of Publications by Year
in descending order

88 papers	11,674 citations	61857 43 h-index	58464 82 g-index
98 all docs	98 docs citations	98 times ranked	16642 citing authors

#	Article	IF	Citations
1	Accounting for spatial autocorrelation and environment are important to derive robust bat population trends from citizen science data. Ecological Indicators, 2022, 136, 108719.	2.6	5
2	Multi-species population indices for sets of species including rare, disappearing or newly occurring species. Ecological Indicators, 2022, 140, 109005.	2.6	2
3	Pollinator monitoring more than pays for itself. Journal of Applied Ecology, 2021, 58, 44-57.	1.9	41
4	Handling missing values in trait data. Global Ecology and Biogeography, 2021, 30, 51-62.	2.7	80
5	Observer retention, site selection and population dynamics interact to bias abundance trends in bats. Journal of Applied Ecology, 2021, 58, 236-247.	1.9	9
6	A Generic Method for Estimating and Smoothing Multispecies Biodiversity Indicators Using Intermittent Data. Journal of Agricultural, Biological, and Environmental Statistics, 2021, 26, 71-89.	0.7	3
7	A century of social wasp occupancy trends from natural history collections: spatiotemporal resolutions have little effect on model performance. Insect Conservation and Diversity, 2021, 14, 543-555.	1.4	14
8	Rapid Anthropocene realignment of allometric scaling rules. Ecology Letters, 2021, 24, 1318-1327.	3.0	12
9	Winners and losers over 35 years of dragonfly and damselfly distributional change in Germany. Diversity and Distributions, 2021, 27, 1353-1366.	1.9	29
10	Using the IUCN Red List to map threats to terrestrial vertebrates at global scale. Nature Ecology and Evolution, 2021, 5, 1510-1519.	3.4	75
11	Patterns of invertebrate functional diversity highlight the vulnerability of ecosystem services over a 45-year period. Current Biology, 2021, 31, 4627-4634.e3.	1.8	18
12	Long-term trends in the occupancy of ants revealed through use of multi-sourced datasets. Biology Letters, 2021, 17, 20210240.	1.0	6
13	Comparing Life Histories across Taxonomic Groups in Multiple Dimensions: How Mammal-Like Are Insects?. American Naturalist, 2020, 195, 70-81.	1.0	14
14	Data Integration for Large-Scale Models of Species Distributions. Trends in Ecology and Evolution, 2020, 35, 56-67.	4.2	205
15	Assessing the usefulness of citizen science data for habitat suitability modelling: Opportunistic reporting versus sampling based on a systematic protocol. Diversity and Distributions, 2020, 26, 1276-1290.	1.9	21
16	Is more data always better? A simulation study of benefits and limitations of integrated distribution models. Ecography, 2020, 43, 1413-1422.	2.1	56
17	Effective Biodiversity Monitoring Needs a Culture of Integration. One Earth, 2020, 3, 462-474.	3.6	62
18	Complex long-term biodiversity change among invertebrates, bryophytes and lichens. Nature Ecology and Evolution, 2020, 4, 384-392.	3.4	130

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19	Agrochemicals in the wild: Identifying links between pesticide use and declines of nontarget organisms. Current Opinion in Environmental Science and Health, 2019, 11, 53-58.	2.1	36
20	Using long-term datasets to assess the impacts of dietary exposure to neonicotinoids on farmland bird populations in England. PLoS ONE, 2019, 14, e0223093.	1.1	9
21	Widespread losses of pollinating insects in Britain. Nature Communications, 2019, 10, 1018.	5.8	415
22	Annual estimates of occupancy for bryophytes, lichens and invertebrates in the UK, 1970â€“2015. Scientific Data, 2019, 6, 259.	2.4	39
23	Phylogenetic scale in ecology and evolution. Global Ecology and Biogeography, 2018, 27, 175-187.	2.7	151
24	Examining the relationship between local extinction risk and position in range. Conservation Biology, 2018, 32, 229-239.	2.4	37
25	Building essential biodiversity variables (<scp>EBV</scp>s) of species distribution and abundance at a global scale. Biological Reviews, 2018, 93, 600-625.	4.7	218
26	The Use of EDGE (Evolutionary Distinct Globally Endangered) and EDGE-Like Metrics to Evaluate Taxa for Conservation. , 2018, , 27-39.		12
27	Prior specification in Bayesian occupancy modelling improves analysis of species occurrence data. Ecological Indicators, 2018, 93, 333-343.	2.6	43
28	Defining and delivering resilient ecological networks: Nature conservation in England. Journal of Applied Ecology, 2018, 55, 2537-2543.	1.9	56
29	Extinction risk from climate change is reduced by microclimatic buffering. Nature Climate Change, 2018, 8, 713-717.	8.1	245
30	An assessment of the state of nature in the United Kingdom: A review of findings, methods and impact. Ecological Indicators, 2018, 94, 226-236.	2.6	15
31	TetraDENSITY: A database of population density estimates in terrestrial vertebrates. Global Ecology and Biogeography, 2018, 27, 787-791.	2.7	62
32	Global drivers of population density in terrestrial vertebrates. Global Ecology and Biogeography, 2018, 27, 968-979.	2.7	80
33	An operational definition of essential biodiversity variables. Biodiversity and Conservation, 2017, 26, 2967-2972.	1.2	33
34	Landscape simplification weakens the association between terrestrial producer and consumer diversity in Europe. Global Change Biology, 2017, 23, 3040-3051.	4.2	28
35	Impacts of neonicotinoid use on long-term population changes in wild bees in England. Nature Communications, 2016, 7, 12459.	5.8	367
36	A Synthesis is Emerging between Biodiversityâ€“Ecosystem Function and Ecological Resilience Research: Reply to Mori. Trends in Ecology and Evolution, 2016, 31, 89-92.	4.2	14

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37	Recent trends in UK insects that inhabit early successional stages of ecosystems. Biological Journal of the Linnean Society, 2015, 115, 636-646.	0.7	18
38	Butterfly abundance is determined by food availability and is mediated by species traits. Journal of Applied Ecology, 2015, 52, 1676-1684.	1.9	100
39	Measuring Î²â€diversity with species abundance data. Journal of Animal Ecology, 2015, 84, 1112-1122.	1.3	161
40	Declining resilience of ecosystem functions under biodiversity loss. Nature Communications, 2015, 6, 10122.	5.8	246
41	The Rise and Demise of the Glanville fritillary on the Isle of Wight. Journal of Insect Conservation, 2015, 19, 305-311.	0.8	5
42	Bias and information in biological records. Biological Journal of the Linnean Society, 2015, 115, 522-531.	0.7	236
43	The effect of temperature and habitat quality on abundance of the Glanville fritillary on the Isle of Wight: implications for conservation management in a warming climate. Journal of Insect Conservation, 2015, 19, 217-225.	0.8	15
44	Microclimate affects landscape level persistence in the British Lepidoptera. Journal of Insect Conservation, 2015, 19, 237-253.	0.8	21
45	Beyond maps: a review of the applications of biological records. Biological Journal of the Linnean Society, 2015, 115, 532-542.	0.7	76
46	The use of opportunistic data for IUCN Red List assessments. Biological Journal of the Linnean Society, 2015, 115, 690-706.	0.7	99
47	Biodiversity and Resilience of Ecosystem Functions. Trends in Ecology and Evolution, 2015, 30, 673-684.	4.2	916
48	The priority species indicator: measuring the trends in threatened species in the UK. Biodiversity, 2015, 16, 108-119.	0.5	14
49	Trait correlates of distribution trends in the Odonata of Britain and Ireland. PeerJ, 2015, 3, e1410.	0.9	29
50	Can coarseâ€grain patterns in insect atlas data predict local occupancy?. Diversity and Distributions, 2014, 20, 895-907.	1.9	21
51	Defaunation in the Anthropocene. Science, 2014, 345, 401-406.	6.0	2,810
52	Statistics for citizen science: extracting signals of change from noisy ecological data. Methods in Ecology and Evolution, 2014, 5, 1052-1060.	2.2	373
53	Morphological and Geographical Traits of the British Odonata. Biodiversity Data Journal, 2014, 2, e1041.	0.4	11
54	The paradox of energy equivalence. Global Ecology and Biogeography, 2013, 22, 1-5.	2.7	35

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55	The relationship between body mass and field metabolic rate among individual birds and mammals. Journal of Animal Ecology, 2013, 82, 1009-1020.	1.3	105
56	Space-use scaling and home range overlap in primates. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122122.	1.2	36
57	Global Patterns of Evolutionary Distinct and Globally Endangered Amphibians and Mammals. PLoS ONE, 2013, 8, e63582.	1.1	84
58	What is macroecology?. Biology Letters, 2012, 8, 904-906.	1.0	47
59	Invasive alien predator causes rapid declines of native European ladybirds. Diversity and Distributions, 2012, 18, 717-725.	1.9	226
60	Phylogenetically-Informed Priorities for Amphibian Conservation. PLoS ONE, 2012, 7, e43912.	1.1	108
61	Distance sampling and the challenge of monitoring butterfly populations. Methods in Ecology and Evolution, 2011, 2, 585-594.	2.2	78
62	Butterfly abundance in a warming climate: patterns in space and time are not congruent. Journal of Insect Conservation, 2011, 15, 233-240.	0.8	28
63	Can unified theories of biodiversity explain mammalian macroecological patterns?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2554-2563.	1.8	7
64	Investing in evolutionary history: implementing a phylogenetic approach for mammal conservation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2611-2622.	1.8	122
65	Taxonomic variation in sizeâ€“density relationships challenges the notion of energy equivalence. Biology Letters, 2011, 7, 615-618.	1.0	32
66	Scaling of basal metabolic rate with body mass and temperature in mammals. Journal of Animal Ecology, 2010, 79, 610-619.	1.3	171
67	Why are metabolic scaling exponents so controversial? Quantifying variance and testing hypotheses. Ecology Letters, 2010, 13, 728-735.	3.0	137
68	Butterfly abundance in a warming climate: patterns in space and time are not congruent. , 2010, , 141-148.		0
69	Ecological, social, and reproductive factors shape producerâ€“scrounger dynamics in baboons. Behavioral Ecology, 2009, 20, 1039-1049.	1.0	69
70	High variability in patterns of population decline: the importance of local processes in species extinctions. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 63-69.	1.2	50
71	Dominance and Affiliation Mediate Despotism in a Social Primate. Current Biology, 2008, 18, 1833-1838.	1.8	251
72	Specialism for larval and adult consumer resources among British butterflies: Implications for conservation. Biological Conservation, 2007, 138, 440-452.	1.9	47

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73	The Scaling of Abundance in Consumers and Their Resources: Implications for the Energy Equivalence Rule. American Naturalist, 2007, 170, 479-484.	1.0	37
74	Mammals on the EDGE: Conservation Priorities Based on Threat and Phylogeny. PLoS ONE, 2007, 2, e296.	1.1	772
75	Radio-Tagging Technology Reveals Extreme Nest-Drifting Behavior in a Eusocial Insect. Current Biology, 2007, 17, 140-145.	1.8	108
76	Correlates of Species Richness in Mammals: Body Size, Life History, and Ecology. American Naturalist, 2005, 165, 600-607.	1.0	89
77	How Far Do Animals Go? Determinants of Day Range in Mammals. American Naturalist, 2005, 165, 290-297.	1.0	186
78	How Far Do Animals Go? Determinants of Day Range in Mammals. American Naturalist, 2005, 165, 290.	1.0	15
79	How species respond to multiple extinction threats. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1135-1141.	1.2	180
80	The 'species problem' and testing macroevolutionary hypotheses. Diversity and Distributions, 2004, 10, 275-281.	1.9	36
81	Taxonomic inflation: its influence on macroecology and conservation. Trends in Ecology and Evolution, 2004, 19, 464-469.	4.2	645
82	PHYLOGENETICALLY NESTED COMPARISONS FOR TESTING CORRELATES OF SPECIES RICHNESS: A SIMULATION STUDY OF CONTINUOUS VARIABLES. Evolution; International Journal of Organic Evolution, 2003, 57, 18-26.	1.1	46
83	PHYLOGENETICALLY NESTED COMPARISONS FOR TESTING CORRELATES OF SPECIES RICHNESS: A SIMULATION STUDY OF CONTINUOUS VARIABLES. Evolution; International Journal of Organic Evolution, 2003, 57, 18.	1.1	4
84	Are most species small? Not within speciesâ€“level phylogenies. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1279-1287.	1.2	32
85	MacroCAIC: revealing correlates of species richness by comparative analysis. Diversity and Distributions, 2002, 8, 41-43.	1.9	54
86	Modelling the Heterogeneity within Citizen Science Data for Biodiversity Research. Biodiversity Information Science and Standards, 0, 5, .	0.0	0
87	Practical Considerations for Implementing Species Distribution Essential Biodiversity Variables. Biodiversity Information Science and Standards, 0, 5, .	0.0	0
88	Towards an annual species distribution EBV for the United Kingdom. Biodiversity Information Science and Standards, 0, 3, .	0.0	0