Dave J Hodgson

List of Publications by Year
in descending order

124 papers	7,622 citations	66343 42 h-index	62596 80 g-index
133 all docs	133 docs citations	133 times ranked	12929 citing authors

#	Article	IF	Citations
1	A brief introduction to mixed effects modelling and multi-model inference in ecology. PeerJ, 2018, 6, e4794.	2.0	1,277
2	Identification of 100 fundamental ecological questions. Journal of Ecology, 2013, 101, 58-67.	4.0	605
3	What do you mean, â€˜resilientâ€™?. Trends in Ecology and Evolution, 2015, 30, 503-506.	8.7	393
4	Marine renewable energy: potential benefits to biodiversity? An urgent call for research. Journal of Applied Ecology, 2009, 46, 1145-1153.	4.0	327
5	Fastâ€“slow continuum and reproductive strategies structure plant life-history variation worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 230-235.	7.1	290
6	The <scp>compadre</scp><scp>P</scp>lant <scp>M</scp>atrix <scp>D</scp>atabase: an open online repository for plant demography. Journal of Ecology, 2015, 103, 202-218.	4.0	260
7	The Consequences of Feminization in Breeding Groups of Wild Fish. Environmental Health Perspectives, 2011, 119, 306-311.	6.0	199
8	<scp>COMADRE</scp>: a global data base of animal demography. Journal of Animal Ecology, 2016, 85, 371-384.	2.8	189
9	The evolution of body size under environmental gradients in ectotherms: why should Bergmann's rule apply to lizards?. BMC Evolutionary Biology, 2008, 8, 68.	3.2	134
10	Smartphones in ecology and evolution: a guide for the appâ€rehensive. Ecology and Evolution, 2013, 3, 5268-5278.	1.9	119
11	Predictive systems ecology. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131452.	2.6	114
12	Using Social Network Measures in Wildlife Disease Ecology, Epidemiology, and Management. BioScience, 2017, 67, 245-257.	4.9	107
13	Carryâ€over effects reveal reproductive costs in a longâ€distance migrant. Journal of Animal Ecology, 2010, 79, 974-982.	2.8	102
14	Ecological selection of siderophoreâ€producing microbial taxa in response to heavy metal contamination. Ecology Letters, 2018, 21, 117-127.	6.4	97
15	An Environmental Estrogen Alters Reproductive Hierarchies, Disrupting Sexual Selection in Group-Spawning Fish. Environmental Science & Technology, 2008, 42, 5020-5025.	10.0	95
16	Light pollution is associated with earlier tree budburst across the United Kingdom. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160813.	2.6	91
17	Effectiveness of intervention methods against crop-raiding elephants. Conservation Letters, 2011, 4, 346-354.	5.7	87
18	Boom or bust? A comparative analysis of transient population dynamics in plants. Journal of Ecology, 2010, 98, 302-311.	4.0	85

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19	The evolution of viviparity opens opportunities for lizard radiation but drives it into a climatic culâ€deâ€sac. Global Ecology and Biogeography, 2013, 22, 857-867.	5.8	82
20	The application of statistical network models in disease research. Methods in Ecology and Evolution, 2017, 8, 1026-1041.	5.2	80
21	Glucosinolate polymorphism in wild cabbage (Brassica oleracea) influences the structure of herbivore communities. Oecologia, 2009, 160, 63-76.	2.0	77
22	Global analysis of satellite tracking data shows that adult green turtles are significantly aggregated in Marine Protected Areas. Global Ecology and Biogeography, 2012, 21, 1053-1061.	5.8	73
23	Niche Occupation Limits Adaptive Radiation in Experimental Microcosms. PLoS ONE, 2007, 2, e193.	2.5	72
24	How the ladybird got its spots: effects of resource limitation on the honesty of aposematic signals. Functional Ecology, 2012, 26, 334-342.	3.6	72
25	popdemo: an R package for population demography using projection matrix analysis. Methods in Ecology and Evolution, 2012, 3, 797-802.	5.2	70
26	Multiple mating increases female fitness in Drosophila simulans. Animal Behaviour, 2008, 76, 963-970.	1.9	68
27	Differential selection of baculovirus genotypes mediated by different species of host food plant. Ecology Letters, 2002, 5, 512-518.	6.4	65
28	Integrating social behaviour, demography and disease dynamics in network models: applications to disease management in declining wildlife populations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180211.	4.0	64
29	Host Mixing and Disease Emergence. Current Biology, 2009, 19, 764-767.	3.9	63
30	Shedding light on moths: shorter wavelengths attract noctuids more than geometrids. Biology Letters, 2013, 9, 20130376.	2.3	62
31	Anthropogenic and Ecological Drivers of Amphibian Disease (Ranavirosis). PLoS ONE, 2015, 10, e0127037.	2.5	62
32	Integrated population modelling reveals a perceived source to be a cryptic sink. Journal of Animal Ecology, 2016, 85, 467-475.	2.8	62
33	Why do sperm carry RNA? Relatedness, conflict, and control. Trends in Ecology and Evolution, 2014, 29, 451-455.	8.7	61
34	Using pingers to reduce bycatch of small cetaceans in Peru's small-scale driftnet fishery. Oryx, 2013, 47, 595-606.	1.0	59
35	Sexual and Natural Selection Both Influence Male Genital Evolution. PLoS ONE, 2013, 8, e63807.	2.5	58
36	On reducibility and ergodicity of population projection matrix models. Methods in Ecology and Evolution, 2010, 1, 242-252.	5.2	55

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37	Perils and pitfalls of mixed-effects regression models in biology. PeerJ, 0, 8, e9522.	2.0	55
38	Reconciling actual and perceived rates of predation by domestic cats. Ecology and Evolution, 2015, 5, 2745-2753.	1.9	53
39	Social evolution of toxic metal bioremediation in Pseudomonas aeruginosa. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140858.	2.6	52
40	The diversity of population responses to environmental change. Ecology Letters, 2019, 22, 342-353.	6.4	52
41	Predicting transient amplification in perturbed ecological systems. Journal of Applied Ecology, 2007, 44, 1243-1251.	4.0	51
42	Cultural inheritance drives site fidelity and migratory connectivity in a long-distance migrant. Molecular Ecology, 2010, 19, 5484-5496.	3.9	50
43	Impacts of Early Life Exposure to Estrogen on Subsequent Breeding Behavior and Reproductive Success in Zebrafish. Environmental Science & Technology, 2010, 44, 6481-6487.	10.0	47
44	Demographic buffering and compensatory recruitment promotes the persistence of disease in a wildlife population. Ecology Letters, 2016, 19, 443-449.	6.4	45
45	Transients drive the demographic dynamics of plant populations in variable environments. Journal of Ecology, 2016, 104, 306-314.	4.0	43
46	Divergent demographic strategies of plants in variable environments. Nature Ecology and Evolution, 2017, 1, 29.	7.8	43
47	The organophosphorous pesticide, fenitrothion, acts as an anti-androgen and alters reproductive behavior of the male three-spined stickleback, Gasterosteus aculeatus. Ecotoxicology, 2009, 18, 122-133.	2.4	41
48	Experimental Evolution of Adaptive Phenotypic Plasticity in a Parasite. Current Biology, 2013, 23, 139-142.	3.9	41
49	Bottomâ€up effects of glucosinolate variation on aphid colony dynamics in wild cabbage populations. Ecological Entomology, 2009, 34, 614-623.	2.2	39
50	Heterozygosity-fitness correlations in a migratory bird: an analysis of inbreeding and single-locus effects. Molecular Ecology, 2011, 20, 4786-4795.	3.9	38
51	Environmental Conditions during Breeding Modify the Strength of Mass-Dependent Carry-Over Effects in a Migratory Bird. PLoS ONE, 2013, 8, e77783.	2.5	36
52	A phylogenetic analysis of sexâ€specific evolution of ecological morphology inLiolaemuslizards. Ecological Research, 2009, 24, 1223-1231.	1.5	35
53	Importance of spatio-temporal data for predicting the effects of climate change on marine turtle sex ratios. Marine Ecology - Progress Series, 2013, 488, 267-274.	1.9	34
54	Migrant birds and mammals live faster than residents. Nature Communications, 2020, 11, 5719.	12.8	34

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55	Infected or informed? Social structure and the simultaneous transmission of information and infectious disease. Oikos, 2020, 129, 1271-1288.	2.7	34
56	Host mediated selection of pathogen genotypes as a mechanism for the maintenance of baculovirus diversity in the field. Journal of Invertebrate Pathology, 2007, 94, 153-162.	3.2	33
57	Contact networks structured by sex underpin sexâ€specific epidemiology of infection. Ecology Letters, 2018, 21, 309-318.	6.4	33
58	Erratum et addendum: transient amplification and attenuation in stageâ€structured population dynamics. Journal of Applied Ecology, 2008, 45, 1836-1839.	4.0	31
59	Temporal consistency in herbivore responses to glucosinolate polymorphism in populations of wild cabbage (Brassica oleracea). Oecologia, 2010, 164, 689-699.	2.0	31
60	Butterflies on the brink: habitat requirements for declining populations of the marsh fritillary (Euphydryas aurinia) in SW England. Journal of Insect Conservation, 2011, 15, 153-163.	1.4	31
61	Big catch, little sharks: Insight into Peruvian smallâ€scale longline fisheries. Ecology and Evolution, 2014, 4, 2375-2383.	1.9	30
62	Social structure contains epidemics and regulates individual roles in disease transmission in a groupâ€living mammal. Ecology and Evolution, 2018, 8, 12044-12055.	1.9	30
63	Invasiveness of plants is predicted by size and fecundity in the native range. Ecology and Evolution, 2015, 5, 1933-1943.	1.9	29
64	Voluntary recording scheme reveals ongoing decline in the United Kingdom hazel dormouse Muscardinus avellanarius population. Mammal Review, 2017, 47, 183-197.	4.8	29
65	Oceanic loggerhead turtles Caretta caretta associate with thermal fronts: evidence from the Canary Current Large Marine Ecosystem. Marine Ecology - Progress Series, 2015, 519, 195-207.	1.9	28
66	Take Only Photographs, Leave Only Footprints: Novel Applications of Non-Invasive Survey Methods for Rapid Detection of Small, Arboreal Animals. PLoS ONE, 2016, 11, e0146142.	2.5	27
67	Robustness: Predicting the effects of life history perturbations on stage-structured population dynamics. Theoretical Population Biology, 2006, 70, 214-224.	1.1	26
68	European lobster stocking requires comprehensive impact assessment to determine fishery benefits. ICES Journal of Marine Science, 2015, 72, i35-i48.	2.5	26
69	Mortality trajectory analysis reveals the drivers of sex-specific epidemiology in natural wildlifeâ€“disease interactions. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140526.	2.6	24
70	Aphids Pick Their Poison: Selective Sequestration of Plant Chemicals Affects Host Plant Use in a Specialist Herbivore. Journal of Chemical Ecology, 2015, 41, 956-964.	1.8	23
71	Demographic amplification is a predictor of invasiveness among plants. Nature Communications, 2019, 10, 5602.	12.8	23
72	The multiple origins of sexual size dimorphism in global amphibians. Global Ecology and Biogeography, 2021, 30, 443-458.	5.8	23

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73	The global macroecology of brood size in amphibians reveals a predisposition of lowâ€fecundity species to extinction. Global Ecology and Biogeography, 2021, 30, 1299-1310.	5.8	23
74	Stress causes interspecific facilitation within a compost community. Ecology Letters, 2021, 24, 2169-2177.	6.4	22
75	What has molecular epidemiology ever done for wildlife disease research? Past contributions and future directions. European Journal of Wildlife Research, 2015, 61, 1-16.	1.4	21
76	Seasonal variation in daily patterns of social contacts in the European badger Meles meles. Ecology and Evolution, 2017, 7, 9006-9015.	1.9	21
77	Hypoxia and hypothermia as rival agents of selection driving the evolution of viviparity in lizards. Global Ecology and Biogeography, 2017, 26, 1238-1246.	5.8	21
78	Inbreeding intensifies sexâ€and ageâ€dependent disease in a wild mammal. Journal of Animal Ecology, 2018, 87, 1500-1511.	2.8	21
79	Global patterns of body size evolution are driven by precipitation in legless amphibians. Ecography, 2019, 42, 1682-1690.	4.5	21
80	Patterns and rules for sensitivity and elasticity in population projection matrices. Ecology, 2009, 90, 3258-3267.	3.2	20
81	The interplay between microevolution and community structure in microbial populations. Current Opinion in Biotechnology, 2013, 24, 821-825.	6.6	20
82	Sexes and species as rival units of niche saturation during community assembly. Global Ecology and Biogeography, 2018, 27, 593-603.	5.8	20
83	Maasai pastoralists kill lions in retaliation for depredation of livestock by lions. People and Nature, 2019, 1, 59-69.	3.7	20
84	No effect of intraspecific relatedness on public goods cooperation in a complex community. Evolution; International Journal of Organic Evolution, 2018, 72, 1165-1173.	2.3	17
85	Climate, landscape, habitat, and woodland management associations with hazel dormouse Muscardinus avellanarius population status. Mammal Review, 2018, 48, 209-223.	4.8	17
86	Parentage Outcomes in Response to Estrogen Exposure are Modified by Social Grouping in Zebrafish. Environmental Science & Technology, 2009, 43, 8400-8405.	10.0	15
87	No evidence that extinction risk increases in the largest and smallest vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5845-E5846.	7.1	15
88	Blood thicker than water: kinship, disease prevalence and group size drive divergent patterns of infection risk in a social mammal. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160798.	2.6	14
89	Seed bank dynamics govern persistence of Brassica hybrids in crop and natural habitats. Annals of Botany, 2015, 115, 147-157.	2.9	13
90	Integral control for population management. Journal of Mathematical Biology, 2015, 70, 1015-1063.	1.9	12

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91	Should I stay or should I go? Fitness costs and benefits of prolonged parentâ€“offspring and siblingâ€“sibling associations in an Arctic-nesting goose population. Oecologia, 2016, 181, 809-817.	2.0	12
92	CMR<scp>net</scp>: An <scp>r</scp> package to derive networks of social interactions and movement from markâ€“recapture data. Methods in Ecology and Evolution, 2021, 12, 70-75.	5.2	12
93	Genotype Reconstruction of Paternity in European Lobsters (Homarus gammarus). PLoS ONE, 2015, 10, e0139585.	2.5	12
94	Group size and modularity interact to shape the spread of infection and information through animal societies. Behavioral Ecology and Sociobiology, 2021, 75, 163.	1.4	12
95	Positive state controllability of positive linear systems. Systems and Control Letters, 2014, 65, 23-29.	2.3	11
96	Resilience Is Complicated, but Comparable: A Reply to Yeung and Richardson. Trends in Ecology and Evolution, 2016, 31, 3-4.	8.7	11
97	Life history and population regulation shape demographic competence and influence the maintenance of endemic disease. Nature Ecology and Evolution, 2021, 5, 82-91.	7.8	10
98	On second order sensitivity for stage-based population projection matrix models. Theoretical Population Biology, 2008, 74, 68-73.	1.1	9
99	Nonlinearity in eigenvalue-perturbation curves of simulated population projection matrices. Theoretical Population Biology, 2008, 73, 498-505.	1.1	8
100	Comments to â€œPersistent problems in the construction of matrix population modelsâ€• Ecological Modelling, 2020, 416, 108913.	2.5	8
101	Butterfly diversity in Mediterranean islands and in Pentadaktylos Pinus Â brutia forests of Cyprus. Biodiversity and Conservation, 2008, 17, 2821-2832.	2.6	7
102	Humanâ€mediated dispersal and disturbance shape the metapopulation dynamics of a longâ€lived herb. Ecology, 2020, 101, e03087.	3.2	7
103	Differentiated Social Relationships and the Pace-of-Life-History. Trends in Ecology and Evolution, 2021, 36, 498-506.	8.7	7
104	Can pikeperch colonise new freshwater systems via estuaries? Evidence from behavioural salinity tests. Marine and Freshwater Research, 2008, 59, 694.	1.3	6
105	Predicting the impact of stageâ€specific harvesting on population dynamics. Journal of Animal Ecology, 2009, 78, 1076-1085.	2.8	6
106	Bounds on the dynamics of sink populations with noisy immigration. Theoretical Population Biology, 2014, 92, 88-96.	1.1	6
107	No evidence for sex bias in winter interâ€site movements in an Arcticâ€nesting goose population. Ibis, 2015, 157, 401-405.	1.9	6
108	Inferring transient dynamics of human populations from matrix nonâ€normality. Population Ecology, 2018, 60, 185-196.	1.2	6

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109	The usefulness of sensitivity analysis for predicting the effects of cat predation on the population dynamics of their avian prey. Ibis, 2008, 150, 100-113.	1.9	5
110	Robust set-point regulation for ecological models with multiple management goals. Journal of Mathematical Biology, 2016, 72, 1467-1529.	1.9	5
111	The suitability of VIE tags to assess stock enhancement success in juvenile European lobsters (Homarus gammarus). Aquaculture Research, 2015, 46, 2913-2923.	1.8	4
112	Analysis of Lifetime Mortality Trajectories in Wildlife Disease Research: BaSTA and Beyond. Diversity, 2019, 11, 182.	1.7	4
113	Counting Cats: The integration of expert and citizen science data for unbiased inference of population abundance. Ecology and Evolution, 2021, 11, 4325-4338.	1.9	4
114	Isolation and characterisation of hazel dormouse (Muscardinus avellanarius) microsatellite loci. Conservation Genetics Resources, 2013, 5, 687-692.	0.8	3
115	Sexual selection on the genital lobes of male Drosophila simulans. Evolution; International Journal of Organic Evolution, 2021, 75, 501-514.	2.3	3
116	Adult survival and perâ€capita production of young explain dynamics of a longâ€lived goose population. Ibis, 2022, 164, 574-580.	1.9	3
117	The role of population inertia in predicting the outcome of stage-structured biological invasions. Mathematical Biosciences, 2015, 265, 1-11.	1.9	2
118	A note on the eigenvectors of perturbed matrices with applications to linear positive systems. Linear Algebra and Its Applications, 2016, 509, 143-167.	0.9	2
119	Modelling associations between animal social structure and demography. Animal Behaviour, 2022, 188, 51-63.	1.9	2
120	Ultimate and proximate functions of sperm RNA: a reply to Holman and Price. Trends in Ecology and Evolution, 2014, 29, 650.	8.7	1
121	ConservationBY CLIVE HAMBLER vii+368 pp., figs. & tables, 23Ã—15Ã—1.5 cm, ISBN 0 521 00038 6 paperback, GBÂ£ 18.99, Cambridge, UK: Cambridge University Press, 2004. Environmental Conservation, 2005, 32, 192-192.	1.3	0
122	Insect Diversity Conservation by Michael J. Samways (2005), xi + 342 pp., Cambridge University Press, Cambridge, UK. ISBN 0 521 78338 0 (hbk), GBP 60.00/USD 110.00, ISBN 0 521 78947 8 (pbk), GBP 30.00/USD 55.00.. Oryx, 2006, 40, 237-238.	1.0	0
123	Just grazing the surface: A tribute to Professor John Hodgson 1937â€“2018. Grass and Forage Science, 2019, 74, 2-5.	2.9	0
124	Butterflies on the brink: habitat requirements for declining populations of the marsh fritillary (Euphydryas aurinia) in SW England. , 2010, , 189-199.		0