

# Dave J Hodgson

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Adult survival and per capita production of young explain dynamics of a long-lived goose population. <i>Ibis</i> , 2022, 164, 574-580.	1.9	3
2	Modelling associations between animal social structure and demography. <i>Animal Behaviour</i> , 2022, 188, 51-63.	1.9	2
3	Life history and population regulation shape demographic competence and influence the maintenance of endemic disease. <i>Nature Ecology and Evolution</i> , 2021, 5, 82-91.	7.8	10
4	CMRnet: An R package to derive networks of social interactions and movement from mark-recapture data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 70-75.	5.2	12
5	The multiple origins of sexual size dimorphism in global amphibians. <i>Global Ecology and Biogeography</i> , 2021, 30, 443-458.	5.8	23
6	Sexual selection on the genital lobes of male <i>Drosophila simulans</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 501-514.	2.3	3
7	The global macroecology of brood size in amphibians reveals a predisposition of low fecundity species to extinction. <i>Global Ecology and Biogeography</i> , 2021, 30, 1299-1310.	5.8	23
8	Counting Cats: The integration of expert and citizen science data for unbiased inference of population abundance. <i>Ecology and Evolution</i> , 2021, 11, 4325-4338.	1.9	4
9	Differentiated Social Relationships and the Pace-of-Life-History. <i>Trends in Ecology and Evolution</i> , 2021, 36, 498-506.	8.7	7
10	Stress causes interspecific facilitation within a compost community. <i>Ecology Letters</i> , 2021, 24, 2169-2177.	6.4	22
11	Group size and modularity interact to shape the spread of infection and information through animal societies. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 163.	1.4	12
12	Comments to "Persistent problems in the construction of matrix population models". <i>Ecological Modelling</i> , 2020, 416, 108913.	2.5	8
13	Migrant birds and mammals live faster than residents. <i>Nature Communications</i> , 2020, 11, 5719.	12.8	34
14	Human-mediated dispersal and disturbance shape the metapopulation dynamics of a long-lived herb. <i>Ecology</i> , 2020, 101, e03087.	3.2	7
15	Infected or informed? Social structure and the simultaneous transmission of information and infectious disease. <i>Oikos</i> , 2020, 129, 1271-1288.	2.7	34
16	Just grazing the surface: A tribute to Professor John Hodgson 1937-2018. <i>Grass and Forage Science</i> , 2019, 74, 2-5.	2.9	0
17	Integrating social behaviour, demography and disease dynamics in network models: applications to disease management in declining wildlife populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180211.	4.0	64
18	Global patterns of body size evolution are driven by precipitation in legless amphibians. <i>Ecography</i> , 2019, 42, 1682-1690.	4.5	21

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19	Maasai pastoralists kill lions in retaliation for depredation of livestock by lions. <i>People and Nature</i> , 2019, 1, 59-69.	3.7	20
20	Analysis of Lifetime Mortality Trajectories in Wildlife Disease Research: BaSTA and Beyond. <i>Diversity</i> , 2019, 11, 182.	1.7	4
21	Demographic amplification is a predictor of invasiveness among plants. <i>Nature Communications</i> , 2019, 10, 5602.	12.8	23
22	The diversity of population responses to environmental change. <i>Ecology Letters</i> , 2019, 22, 342-353.	6.4	52
23	Sexes and species as rival units of niche saturation during community assembly. <i>Global Ecology and Biogeography</i> , 2018, 27, 593-603.	5.8	20
24	No effect of intraspecific relatedness on public goods cooperation in a complex community. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1165-1173.	2.3	17
25	Contact networks structured by sex underpin sex-specific epidemiology of infection. <i>Ecology Letters</i> , 2018, 21, 309-318.	6.4	33
26	Ecological selection of siderophore-producing microbial taxa in response to heavy metal contamination. <i>Ecology Letters</i> , 2018, 21, 117-127.	6.4	97
27	Social structure contains epidemics and regulates individual roles in disease transmission in a group-living mammal. <i>Ecology and Evolution</i> , 2018, 8, 12044-12055.	1.9	30
28	A brief introduction to mixed effects modelling and multi-model inference in ecology. <i>PeerJ</i> , 2018, 6, e4794.	2.0	1,277
29	Inbreeding intensifies sex- and age-dependent disease in a wild mammal. <i>Journal of Animal Ecology</i> , 2018, 87, 1500-1511.	2.8	21
30	Inferring transient dynamics of human populations from matrix non-normality. <i>Population Ecology</i> , 2018, 60, 185-196.	1.2	6
31	Climate, landscape, habitat, and woodland management associations with hazel dormouse <i>Muscardinus avellanarius</i> population status. <i>Mammal Review</i> , 2018, 48, 209-223.	4.8	17
32	No evidence that extinction risk increases in the largest and smallest vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5845-E5846.	7.1	15
33	Divergent demographic strategies of plants in variable environments. <i>Nature Ecology and Evolution</i> , 2017, 1, 29.	7.8	43
34	The application of statistical network models in disease research. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1026-1041.	5.2	80
35	Seasonal variation in daily patterns of social contacts in the European badger <i>Meles meles</i> . <i>Ecology and Evolution</i> , 2017, 7, 9006-9015.	1.9	21
36	Using Social Network Measures in Wildlife Disease Ecology, Epidemiology, and Management. <i>BioScience</i> , 2017, 67, 245-257.	4.9	107

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37	Hypoxia and hypothermia as rival agents of selection driving the evolution of viviparity in lizards. <i>Global Ecology and Biogeography</i> , 2017, 26, 1238-1246.	5.8	21
38	Voluntary recording scheme reveals ongoing decline in the United Kingdom hazel dormouse <i>Muscardinus avellanarius</i> population. <i>Mammal Review</i> , 2017, 47, 183-197.	4.8	29
39	Demographic buffering and compensatory recruitment promotes the persistence of disease in a wildlife population. <i>Ecology Letters</i> , 2016, 19, 443-449.	6.4	45
40	Integrated population modelling reveals a perceived source to be a cryptic sink. <i>Journal of Animal Ecology</i> , 2016, 85, 467-475.	2.8	62
41	COMADRE: a global data base of animal demography. <i>Journal of Animal Ecology</i> , 2016, 85, 371-384.	2.8	189
42	A note on the eigenvectors of perturbed matrices with applications to linear positive systems. <i>Linear Algebra and Its Applications</i> , 2016, 509, 143-167.	0.9	2
43	Blood thicker than water: kinship, disease prevalence and group size drive divergent patterns of infection risk in a social mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160798.	2.6	14
44	Should I stay or should I go? Fitness costs and benefits of prolonged parent-offspring and sibling-sibling associations in an Arctic-nesting goose population. <i>Oecologia</i> , 2016, 181, 809-817.	2.0	12
45	Light pollution is associated with earlier tree budburst across the United Kingdom. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160813.	2.6	91
46	Resilience Is Complicated, but Comparable: A Reply to Yeung and Richardson. <i>Trends in Ecology and Evolution</i> , 2016, 31, 3-4.	8.7	11
47	Transients drive the demographic dynamics of plant populations in variable environments. <i>Journal of Ecology</i> , 2016, 104, 306-314.	4.0	43
48	Fast-slow continuum and reproductive strategies structure plant life-history variation worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 230-235.	7.1	290
49	Robust set-point regulation for ecological models with multiple management goals. <i>Journal of Mathematical Biology</i> , 2016, 72, 1467-1529.	1.9	5
50	Take Only Photographs, Leave Only Footprints: Novel Applications of Non-Invasive Survey Methods for Rapid Detection of Small, Arboreal Animals. <i>PLoS ONE</i> , 2016, 11, e0146142.	2.5	27
51	Reconciling actual and perceived rates of predation by domestic cats. <i>Ecology and Evolution</i> , 2015, 5, 2745-2753.	1.9	53
52	Oceanic loggerhead turtles <i>Caretta caretta</i> associate with thermal fronts: evidence from the Canary Current Large Marine Ecosystem. <i>Marine Ecology - Progress Series</i> , 2015, 519, 195-207.	1.9	28
53	The suitability of VIE tags to assess stock enhancement success in juvenile European lobsters ( <i>Homarus gammarus</i> ). <i>Aquaculture Research</i> , 2015, 46, 2913-2923.	1.8	4
54	No evidence for sex bias in winter inter-site movements in an Arctic-nesting goose population. <i>Ibis</i> , 2015, 157, 401-405.	1.9	6

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55	Anthropogenic and Ecological Drivers of Amphibian Disease (Ranaviriosis). PLoS ONE, 2015, 10, e0127037.	2.5	62
56	European lobster stocking requires comprehensive impact assessment to determine fishery benefits. ICES Journal of Marine Science, 2015, 72, i35-i48.	2.5	26
57	Invasiveness of plants is predicted by size and fecundity in the native range. Ecology and Evolution, 2015, 5, 1933-1943.	1.9	29
58	Seed bank dynamics govern persistence of Brassica hybrids in crop and natural habitats. Annals of Botany, 2015, 115, 147-157.	2.9	13
59	The role of population inertia in predicting the outcome of stage-structured biological invasions. Mathematical Biosciences, 2015, 265, 1-11.	1.9	2
60	What do you mean, "resilient"? Trends in Ecology and Evolution, 2015, 30, 503-506.	8.7	393
61	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
62	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
63	The <i>compadre</i> <i>P</i> lant <i>M</i> atrix <i>D</i> atabase: an open online repository for plant demography. Journal of Ecology, 2015, 103, 202-218.	4.0	260
64	Integral control for population management. Journal of Mathematical Biology, 2015, 70, 1015-1063.	1.9	12
65	Genotype Reconstruction of Paternity in European Lobsters ( <i>Homarus gammarus</i> ). PLoS ONE, 2015, 10, e0139585.	2.5	12
66	Social evolution of toxic metal bioremediation in <i>Pseudomonas aeruginosa</i> . Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140858.	2.6	52
67	Ultimate and proximate functions of sperm RNA: a reply to Holman and Price. Trends in Ecology and Evolution, 2014, 29, 650.	8.7	1
68	Big catch, little sharks: Insight into Peruvian small-scale longline fisheries. Ecology and Evolution, 2014, 4, 2375-2383.	1.9	30
69	Mortality trajectory analysis reveals the drivers of sex-specific epidemiology in natural wildlife-disease interactions. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140526.	2.6	24
70	Positive state controllability of positive linear systems. Systems and Control Letters, 2014, 65, 23-29.	2.3	11
71	Bounds on the dynamics of sink populations with noisy immigration. Theoretical Population Biology, 2014, 92, 88-96.	1.1	6
72	Why do sperm carry RNA? Relatedness, conflict, and control. Trends in Ecology and Evolution, 2014, 29, 451-455.	8.7	61

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73	The interplay between microevolution and community structure in microbial populations. <i>Current Opinion in Biotechnology</i> , 2013, 24, 821-825.	6.6	20
74	Isolation and characterisation of hazel dormouse ( <i>Muscardinus avellanarius</i> ) microsatellite loci. <i>Conservation Genetics Resources</i> , 2013, 5, 687-692.	0.8	3
75	Experimental Evolution of Adaptive Phenotypic Plasticity in a Parasite. <i>Current Biology</i> , 2013, 23, 139-142.	3.9	41
76	Identification of 100 fundamental ecological questions. <i>Journal of Ecology</i> , 2013, 101, 58-67.	4.0	605
77	The evolution of viviparity opens opportunities for lizard radiation but drives it into a climatic cul-de-sac. <i>Global Ecology and Biogeography</i> , 2013, 22, 857-867.	5.8	82
78	Shedding light on moths: shorter wavelengths attract noctuids more than geometrids. <i>Biology Letters</i> , 2013, 9, 20130376.	2.3	62
79	Using pingers to reduce bycatch of small cetaceans in Peru's small-scale driftnet fishery. <i>Oryx</i> , 2013, 47, 595-606.	1.0	59
80	Smartphones in ecology and evolution: a guide for the apprehensive. <i>Ecology and Evolution</i> , 2013, 3, 5268-5278.	1.9	119
81	Predictive systems ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131452.	2.6	114
82	Importance of spatio-temporal data for predicting the effects of climate change on marine turtle sex ratios. <i>Marine Ecology - Progress Series</i> , 2013, 488, 267-274.	1.9	34
83	Environmental Conditions during Breeding Modify the Strength of Mass-Dependent Carry-Over Effects in a Migratory Bird. <i>PLoS ONE</i> , 2013, 8, e77783.	2.5	36
84	Sexual and Natural Selection Both Influence Male Genital Evolution. <i>PLoS ONE</i> , 2013, 8, e63807.	2.5	58
85	How the ladybird got its spots: effects of resource limitation on the honesty of aposematic signals. <i>Functional Ecology</i> , 2012, 26, 334-342.	3.6	72
86	Global analysis of satellite tracking data shows that adult green turtles are significantly aggregated in Marine Protected Areas. <i>Global Ecology and Biogeography</i> , 2012, 21, 1053-1061.	5.8	73
87	popdemo: an R package for population demography using projection matrix analysis. <i>Methods in Ecology and Evolution</i> , 2012, 3, 797-802.	5.2	70
88	Heterozygosity-fitness correlations in a migratory bird: an analysis of inbreeding and single-locus effects. <i>Molecular Ecology</i> , 2011, 20, 4786-4795.	3.9	38
89	Butterflies on the brink: habitat requirements for declining populations of the marsh fritillary ( <i>Euphydryas aurinia</i> ) in SW England. <i>Journal of Insect Conservation</i> , 2011, 15, 153-163.	1.4	31
90	Effectiveness of intervention methods against crop-raiding elephants. <i>Conservation Letters</i> , 2011, 4, 346-354.	5.7	87

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91	The Consequences of Feminization in Breeding Groups of Wild Fish. <i>Environmental Health Perspectives</i> , 2011, 119, 306-311.	6.0	199
92	Temporal consistency in herbivore responses to glucosinolate polymorphism in populations of wild cabbage ( <i>Brassica oleracea</i> ). <i>Oecologia</i> , 2010, 164, 689-699.	2.0	31
93	Boom or bust? A comparative analysis of transient population dynamics in plants. <i>Journal of Ecology</i> , 2010, 98, 302-311.	4.0	85
94	Cultural inheritance drives site fidelity and migratory connectivity in a long-distance migrant. <i>Molecular Ecology</i> , 2010, 19, 5484-5496.	3.9	50
95	Carry-over effects reveal reproductive costs in a long-distance migrant. <i>Journal of Animal Ecology</i> , 2010, 79, 974-982.	2.8	102
96	Impacts of Early Life Exposure to Estrogen on Subsequent Breeding Behavior and Reproductive Success in Zebrafish. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6481-6487.	10.0	47
97	On reducibility and ergodicity of population projection matrix models. <i>Methods in Ecology and Evolution</i> , 2010, 1, 242-252.	5.2	55
98	Butterflies on the brink: habitat requirements for declining populations of the marsh fritillary ( <i>Euphydryas aurinia</i> ) in SW England. , 2010, , 189-199.		0
99	Bottom-up effects of glucosinolate variation on aphid colony dynamics in wild cabbage populations. <i>Ecological Entomology</i> , 2009, 34, 614-623.	2.2	39
100	Host Mixing and Disease Emergence. <i>Current Biology</i> , 2009, 19, 764-767.	3.9	63
101	Glucosinolate polymorphism in wild cabbage ( <i>Brassica oleracea</i> ) influences the structure of herbivore communities. <i>Oecologia</i> , 2009, 160, 63-76.	2.0	77
102	The organophosphorous pesticide, fenitrothion, acts as an anti-androgen and alters reproductive behavior of the male three-spined stickleback, <i>Gasterosteus aculeatus</i> . <i>Ecotoxicology</i> , 2009, 18, 122-133.	2.4	41
103	A phylogenetic analysis of sex-specific evolution of ecological morphology in <i>Liolaemus</i> lizards. <i>Ecological Research</i> , 2009, 24, 1223-1231.	1.5	35
104	Predicting the impact of stage-specific harvesting on population dynamics. <i>Journal of Animal Ecology</i> , 2009, 78, 1076-1085.	2.8	6
105	Marine renewable energy: potential benefits to biodiversity? An urgent call for research. <i>Journal of Applied Ecology</i> , 2009, 46, 1145-1153.	4.0	327
106	Parentage Outcomes in Response to Estrogen Exposure are Modified by Social Grouping in Zebrafish. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8400-8405.	10.0	15
107	Patterns and rules for sensitivity and elasticity in population projection matrices. <i>Ecology</i> , 2009, 90, 3258-3267.	3.2	20
108	Butterfly diversity in Mediterranean islands and in <i>Pentadactylos Pinus brutia</i> forests of Cyprus. <i>Biodiversity and Conservation</i> , 2008, 17, 2821-2832.	2.6	7

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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. <i>Ibis</i> , 2008, 150, 100-113.	1.9	5
110	<i>Erratum et addendum</i> : transient amplification and attenuation in stage-structured population dynamics. <i>Journal of Applied Ecology</i> , 2008, 45, 1836-1839.	4.0	31
111	The evolution of body size under environmental gradients in ectotherms: why should Bergmann's rule apply to lizards?. <i>BMC Evolutionary Biology</i> , 2008, 8, 68.	3.2	134
112	Multiple mating increases female fitness in <i>Drosophila simulans</i> . <i>Animal Behaviour</i> , 2008, 76, 963-970.	1.9	68
113	Nonlinearity in eigenvalue-perturbation curves of simulated population projection matrices. <i>Theoretical Population Biology</i> , 2008, 73, 498-505.	1.1	8
114	On second order sensitivity for stage-based population projection matrix models. <i>Theoretical Population Biology</i> , 2008, 74, 68-73.	1.1	9
115	An Environmental Estrogen Alters Reproductive Hierarchies, Disrupting Sexual Selection in Group-Spawning Fish. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5020-5025.	10.0	95
116	Can pikeperch colonise new freshwater systems via estuaries? Evidence from behavioural salinity tests. <i>Marine and Freshwater Research</i> , 2008, 59, 694.	1.3	6
117	Host mediated selection of pathogen genotypes as a mechanism for the maintenance of baculovirus diversity in the field. <i>Journal of Invertebrate Pathology</i> , 2007, 94, 153-162.	3.2	33
118	Niche Occupation Limits Adaptive Radiation in Experimental Microcosms. <i>PLoS ONE</i> , 2007, 2, e193.	2.5	72
119	Predicting transient amplification in perturbed ecological systems. <i>Journal of Applied Ecology</i> , 2007, 44, 1243-1251.	4.0	51
120	Robustness: Predicting the effects of life history perturbations on stage-structured population dynamics. <i>Theoretical Population Biology</i> , 2006, 70, 214-224.	1.1	26
121	<i>Insect Diversity Conservation</i> 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.. <i>Oryx</i> , 2006, 40, 237-238.	1.0	0
122	<i>Conservation</i> BY CLIVE HAMBLER vii+368 pp., figs. & tables, 23Å–15Å–1.5 cm, ISBN 0 521 00038 6 paperback, GB£ 18.99, Cambridge, UK: Cambridge University Press, 2004. <i>Environmental Conservation</i> , 2005, 32, 192-192.	1.3	0
123	Differential selection of baculovirus genotypes mediated by different species of host food plant. <i>Ecology Letters</i> , 2002, 5, 512-518.	6.4	65
124	Perils and pitfalls of mixed-effects regression models in biology. <i>PeerJ</i> , 0, 8, e9522.	2.0	55