

Robert P. Freckleton

List of Publications by Year in descending order

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Version: 2024-02-01

182
papers

20,445
citations

14655

66
h-index

11308

136
g-index

188
all docs

188
docs citations

188
times ranked

25137
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenetic Analysis and Comparative Data: A Test and Review of Evidence. <i>American Naturalist</i> , 2002, 160, 712-726.	2.1	2,270
2	Why do we still use stepwise modelling in ecology and behaviour?. <i>Journal of Animal Ecology</i> , 2006, 75, 1182-1189.	2.8	1,148
3	Biodiversity and Resilience of Ecosystem Functions. <i>Trends in Ecology and Evolution</i> , 2015, 30, 673-684.	8.7	916
4	The Origins of C ₄ Grasslands: Integrating Evolutionary and Ecosystem Science. <i>Science</i> , 2010, 328, 587-591.	12.6	899
5	The role of ecological theory in microbial ecology. <i>Nature Reviews Microbiology</i> , 2007, 5, 384-392.	28.6	796
6	Identification of 100 fundamental ecological questions. <i>Journal of Ecology</i> , 2013, 101, 58-67.	4.0	605
7	Pathogens and insect herbivores drive rainforest plant diversity and composition. <i>Nature</i> , 2014, 506, 85-88.	27.8	548
8	On the misuse of residuals in ecology: regression of residuals vs. multiple regression. <i>Journal of Animal Ecology</i> , 2002, 71, 542-545.	2.8	395
9	The identification of 100 ecological questions of high policy relevance in the UK. <i>Journal of Applied Ecology</i> , 2006, 43, 617-627.	4.0	395
10	Coral reef cascades and the indirect effects of predator removal by exploitation. <i>Ecology Letters</i> , 2004, 7, 410-416.	6.4	376
11	Plant pathogens drive density-dependent seedling mortality in a tropical tree. <i>Ecology Letters</i> , 2006, 9, 569-574.	6.4	376
12	Large-scale spatial dynamics of plants: metapopulations, regional ensembles and patchy populations. <i>Journal of Ecology</i> , 2002, 90, 419-434.	4.0	292
13	Missing inaction: the dangers of ignoring missing data. <i>Trends in Ecology and Evolution</i> , 2008, 23, 592-596.	8.7	285
14	Declines in the numbers of amateur and professional taxonomists: implications for conservation. <i>Animal Conservation</i> , 2002, 5, 245-249.	2.9	284
15	The seven deadly sins of comparative analysis. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1367-1375.	1.7	271
16	Dealing with collinearity in behavioural and ecological data: model averaging and the problems of measurement error. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 91-101.	1.4	259
17	A cautionary note on the use of Ornstein Uhlenbeck models in macroevolutionary studies. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 64-77.	1.6	252
18	Census error and the detection of density dependence. <i>Journal of Animal Ecology</i> , 2006, 75, 837-851.	2.8	247

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19	Sexual selection explains Rensch's rule of size dimorphism in shorebirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12224-12227.	7.1	238
20	Demographic Threats to the Sustainability of Brazil Nut Exploitation. <i>Science</i> , 2003, 302, 2112-2114.	12.6	237
21	Unraveling the Life History of Successful Invaders. <i>Science</i> , 2012, 337, 580-583.	12.6	226
22	Evolutionary transitions in parental care and live bearing in vertebrates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 269-281.	4.0	224
23	Model averaging, missing data and multiple imputation: a case study for behavioural ecology. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 103-116.	1.4	200
24	Predictions of Biodiversity Response to Genetically Modified Herbicide-Tolerant Crops. <i>Science</i> , 2000, 289, 1554-1557.	12.6	187
25	Testing the Janzen-Connell mechanism: pathogens cause overcompensating density dependence in a tropical tree. <i>Ecology Letters</i> , 2010, 13, 1262-1269.	6.4	187
26	Space versus phylogeny: disentangling phylogenetic and spatial signals in comparative data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 21-30.	2.6	181
27	Phylogenetic comparative approaches for studying niche conservatism. <i>Journal of Evolutionary Biology</i> , 2010, 23, 2529-2539.	1.7	170
28	Relative testis size and sperm morphometry across mammals: no evidence for an association between sperm competition and sperm length. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 625-632.	2.6	167
29	Should conservation strategies consider spatial generality? Farmland birds show regional not national patterns of habitat association. <i>Ecology Letters</i> , 2007, 10, 25-35.	6.4	160
30	Bergmann's Rule and Body Size in Mammals. <i>American Naturalist</i> , 2003, 161, 821-825.	2.1	159
31	Habitat selection by yellowhammers <i>Emberiza citrinella</i> on lowland farmland at two spatial scales: implications for conservation management. <i>Journal of Applied Ecology</i> , 2005, 42, 270-280.	4.0	159
32	Asymmetric competition between plant species. <i>Functional Ecology</i> , 2001, 15, 615-623.	3.6	155
33	Detecting Non-Brownian Trait Evolution in Adaptive Radiations. <i>PLoS Biology</i> , 2006, 4, e373.	5.6	154
34	Ecological selection pressures for C ₄ photosynthesis in the grasses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1753-1760.	2.6	151
35	Ecology Predicts Large-Scale Patterns of Phylogenetic Diversification in Birds. <i>American Naturalist</i> , 2006, 168, 220-229.	2.1	150
36	MOTMOT: models of trait macroevolution on trees. <i>Methods in Ecology and Evolution</i> , 2012, 3, 145-151.	5.2	150

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37	Phenotypic plasticity in the scaling of avian basal metabolic rate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 931-937.	2.6	145
38	Pathogens, density dependence and the coexistence of tropical trees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2909-2916.	2.6	145
39	The evolution of sex roles in birds is related to adult sex ratio. <i>Nature Communications</i> , 2013, 4, 1587.	12.8	140
40	Niches versus neutrality: uncovering the drivers of diversity in a species-rich community. <i>Ecology Letters</i> , 2009, 12, 1079-1090.	6.4	137
41	Phylogenetic Evidence for Deleterious Mutation Load in RNA Viruses and Its Contribution to Viral Evolution. <i>Molecular Biology and Evolution</i> , 2007, 24, 845-852.	8.9	133
42	Comparative analyses of the influence of developmental mode on phenotypic diversification rates in shorebirds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1619-1624.	2.6	130
43	Future novel threats and opportunities facing UK biodiversity identified by horizon scanning. <i>Journal of Applied Ecology</i> , 2008, 45, 821-833.	4.0	130
44	How to quantify competitive ability. <i>Journal of Ecology</i> , 2018, 106, 1902-1909.	4.0	127
45	Phylogenetic and Trait-Based Prediction of Extinction Risk for Data-Deficient Amphibians. <i>Current Biology</i> , 2019, 29, 1557-1563.e3.	3.9	124
46	Phylogenetic conservatism of environmental niches in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2384-2391.	2.6	123
47	Constant Final Yield. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010, 41, 173-192.	8.3	121
48	Sex-biased survival predicts adult sex ratio variation in wild birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140342.	2.6	112
49	THE ROLE OF DENSITY DEPENDENCE IN THE POPULATION DYNAMICS OF A TROPICAL PALM. <i>Ecology</i> , 1999, 80, 2635-2650.	3.2	109
50	Predicting the impacts of harvesting using structured population models: the importance of density-dependence and timing of harvest for a tropical palm tree. <i>Journal of Applied Ecology</i> , 2003, 40, 846-858.	4.0	105
51	The factors driving evolved herbicide resistance at a national scale. <i>Nature Ecology and Evolution</i> , 2018, 2, 529-536.	7.8	104
52	Towards a general framework for predicting threat status of data-deficient species from phylogenetic, spatial and environmental information. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140016.	4.0	101
53	Phylogenetic tests of ecological and evolutionary hypotheses: checking for phylogenetic independence. <i>Functional Ecology</i> , 2000, 14, 129-134.	3.6	96
54	Fast likelihood calculations for comparative analyses. <i>Methods in Ecology and Evolution</i> , 2012, 3, 940-947.	5.2	96

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55	Large-scale population dynamics, abundance-occupancy relationships and the scaling from local to regional population size. <i>Journal of Animal Ecology</i> , 2005, 74, 353-364.	2.8	95
56	Only Half Right: Species with Female-Biased Sexual Size Dimorphism Consistently Break Rensch's Rule. <i>PLoS ONE</i> , 2007, 2, e897.	2.5	95
57	Environment, Migratory Tendency, Phylogeny and Basal Metabolic Rate in Birds. <i>PLoS ONE</i> , 2008, 3, e3261.	2.5	95
58	Divorce and Infidelity Are Associated with Skewed Adult Sex Ratios in Birds. <i>Current Biology</i> , 2014, 24, 880-884.	3.9	92
59	Testing the roles of competition, facilitation and stochasticity on community structure in a species-rich assemblage. <i>Journal of Ecology</i> , 2014, 102, 74-85.	4.0	87
60	Measuring the importance of competition in plant communities. <i>Journal of Ecology</i> , 2009, 97, 379-384.	4.0	86
61	Predicting competition coefficients for plant mixtures: reciprocity, transitivity and correlations with life-history traits. <i>Ecology Letters</i> , 2001, 4, 348-357.	6.4	85
62	C4 photosynthesis boosts growth by altering physiology, allocation and size. <i>Nature Plants</i> , 2016, 2, 16038.	9.3	81
63	Overfishing and habitat loss drive range contraction of iconic marine fishes to near extinction. <i>Science Advances</i> , 2021, 7, .	10.3	81
64	Global pattern of nest predation is disrupted by climate change in shorebirds. <i>Science</i> , 2018, 362, 680-683.	12.6	80
65	Comparative Methods as a Statistical Fix: The Dangers of Ignoring an Evolutionary Model. <i>American Naturalist</i> , 2011, 178, E10-E17.	2.1	79
66	Parental conflict in birds: comparative analyses of offspring development, ecology and mating opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 301-307.	2.6	77
67	Relating Traits to Diversification: A Simple Test. <i>American Naturalist</i> , 2008, 172, 102-115.	2.1	74
68	Quantifying the Impact of Arbuscular Mycorrhiza on Plant Competition. <i>Journal of Ecology</i> , 1997, 85, 541.	4.0	73
69	Climate change mitigation: potential benefits and pitfalls of enhanced rock weathering in tropical agriculture. <i>Biology Letters</i> , 2017, 13, 20160715.	2.3	73
70	Does double-blind review benefit female authors?. <i>Trends in Ecology and Evolution</i> , 2008, 23, 351-353.	8.7	72
71	Distributions of Habitat Suitability and the Abundance-Occupancy Relationship. <i>American Naturalist</i> , 2006, 167, 260-275.	2.1	71
72	The evolution of parental cooperation in birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13603-13608.	7.1	69

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73	Can phylogenetics identify C4 origins and reversals?. Trends in Ecology and Evolution, 2010, 25, 403-409.	8.7	68
74	Designs for greenhouse studies of interactions between plants: an analytical perspective. Journal of Ecology, 2000, 88, 386-391.	4.0	66
75	Predicting the response of farmland bird populations to changing food supplies. Journal of Applied Ecology, 2003, 40, 970-983.	4.0	66
76	The costs of human-induced evolution in an agricultural system. Nature Sustainability, 2020, 3, 63-71.	23.7	66
77	Are all plant populations metapopulations?. Journal of Ecology, 2003, 91, 321-324.	4.0	64
78	Abundance-occupancy dynamics in a human dominated environment: linking interspecific and intraspecific trends in British farmland and woodland birds. Journal of Animal Ecology, 2007, 76, 123-134.	2.8	64
79	Evolution of generalist resistance to herbicide mixtures reveals a trade-off in resistance management. Nature Communications, 2020, 11, 3086.	12.8	63
80	BIOGEOGRAPHICAL BASIS OF RECENT PHENOTYPIC DIVERGENCE AMONG BIRDS: A GLOBAL STUDY OF SUBSPECIES RICHNESS. Evolution; International Journal of Organic Evolution, 2007, 61, 942-957.	2.3	60
81	Understanding the role of species dynamics in abundance-occupancy relationships. Journal of Ecology, 2010, 98, 645-658.	4.0	60
82	Defining and delivering resilient ecological networks: Nature conservation in England. Journal of Applied Ecology, 2018, 55, 2537-2543.	4.0	56
83	An objective, niche-based approach to indicator species selection. Methods in Ecology and Evolution, 2012, 3, 317-326.	5.2	55
84	Links between plant species' spatial and temporal responses to a warming climate. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133017.	2.6	55
85	Phylogenetic constraints and trait correlates of flowering phenology in the angiosperm flora of China. Global Ecology and Biogeography, 2015, 24, 928-938.	5.8	55
86	The problems of prediction and scale in applied ecology: the example of fire as a management tool. Journal of Applied Ecology, 2004, 41, 599-603.	4.0	54
87	Nonmanipulative determination of plant community dynamics. Trends in Ecology and Evolution, 2001, 16, 301-307.	8.7	53
88	Consequences of changing rainfall for fungal pathogen-induced mortality in tropical tree seedlings. Ecology and Evolution, 2012, 2, 1408-1413.	1.9	53
89	Parental care and the evolution of terrestriality in frogs. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182737.	2.6	52
90	Are weed population dynamics chaotic?. Journal of Applied Ecology, 2002, 39, 699-707.	4.0	51

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91	Making predictive ecology more relevant to policy makers and practitioners. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 322-330.	4.0	51
92	Sex differences in parental care: Gametic investment, sexual selection, and social environment. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2862-2875.	2.3	50
93	Phylogenetic niche conservatism in C4 grasses. <i>Oecologia</i> , 2012, 170, 835-845.	2.0	49
94	Animal migration to northern latitudes: environmental changes and increasing threats. <i>Trends in Ecology and Evolution</i> , 2022, 37, 30-41.	8.7	49
95	Population dynamics of <i>Vulpia ciliata</i> : regional, patch and local dynamics. <i>Journal of Ecology</i> , 2000, 88, 1012-1029.	4.0	47
96	Variation in helper effort among cooperatively breeding bird species is consistent with Hamilton's Rule. <i>Nature Communications</i> , 2016, 7, 12663.	12.8	46
97	Yield of sugar beet in relation to weather and nutrients. <i>Agricultural and Forest Meteorology</i> , 1999, 93, 39-51.	4.8	45
98	Seed mass, abundance and breeding system among tropical forest species: do dioecious species exhibit compensatory reproduction or abundances?. <i>Journal of Ecology</i> , 2009, 97, 555-566.	4.0	45
99	Integrating socioeconomics and ecology: a taxonomy of quantitative methods and a review of their use in agroecology. <i>Journal of Applied Ecology</i> , 2009, 46, 269-277.	4.0	43
100	Mechanisms driving an unusual latitudinal diversity gradient for grasses. <i>Global Ecology and Biogeography</i> , 2014, 23, 61-75.	5.8	43
101	Trait Evolution in Adaptive Radiations: Modeling and Measuring Interspecific Competition on Phylogenies. <i>American Naturalist</i> , 2017, 189, 121-137.	2.1	43
102	WHAT USE IS AN INFERTILE SPERM? A COMPARATIVE STUDY OF SPERM-HETEROMORPHIC <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 374-385.	2.3	42
103	Thermally buffered microhabitats recovery in tropical secondary forests following land abandonment. <i>Biological Conservation</i> , 2016, 201, 385-395.	4.1	42
104	Predictive models of weed population dynamics. <i>Weed Research</i> , 2009, 49, 225-232.	1.7	40
105	Megacycles of atmospheric carbon dioxide concentration correlate with fossil plant genome size. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 556-564.	4.0	39
106	Environmental factors determining the phylogenetic structure of C ₄ grass communities. <i>Journal of Biogeography</i> , 2012, 39, 232-246.	3.0	38
107	Evaluating the potential of Unmanned Aerial Systems for mapping weeds at field scales: a case study with <i>Alopecurus myosuroides</i> . <i>Weed Research</i> , 2018, 58, 35-45.	1.7	38
108	What Do We Need to Know to Enhance the Environmental Sustainability of Agricultural Production? A Prioritisation of Knowledge Needs for the UK Food System. <i>Sustainability</i> , 2013, 5, 3095-3115.	3.2	35

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109	European mushroom assemblages are darker in cold climates. <i>Nature Communications</i> , 2019, 10, 2890.	12.8	34
110	Changes in the large-scale distribution of plants: extinction, colonisation and the effects of climate. <i>Journal of Ecology</i> , 2012, 100, 519-529.	4.0	33
111	Testing for enemy-mediated density dependence in the mortality of seedlings: field experiments with five Neotropical tree species. <i>Oikos</i> , 2014, 123, 185-193.	2.7	33
112	The Role of Density Dependence in the Population Dynamics of a Tropical Palm. <i>Ecology</i> , 1999, 80, 2635.	3.2	32
113	Evolutionary epidemiology predicts the emergence of glyphosate resistance in a major agricultural weed. <i>New Phytologist</i> , 2019, 223, 1584-1594.	7.3	32
114	Determinants of the abundance of invasive annual weeds: community structure and non-equilibrium dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1153-1161.	2.6	30
115	Why care? Inferring the evolution of complex social behaviour. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1381-1391.	1.7	30
116	Agricultural Weed Research: A Critique and Two Proposals. <i>Weed Science</i> , 2014, 62, 672-678.	1.5	30
117	UNUSUAL SPERM MORPHOLOGY IN THE EURASIAN BULLFINCH (<i>PYRRHULA PYRRHULA</i>). <i>Auk</i> , 2006, 123, 383.	1.4	28
118	Habitat associations of British breeding farmland birds. <i>Bird Study</i> , 2009, 56, 43-52.	1.0	28
119	Density-Structured Models for Plant Population Dynamics. <i>American Naturalist</i> , 2011, 177, 1-17.	2.1	28
120	The circular nature of recurrent life cycle events: a test comparing tropical and temperate phenology. <i>Journal of Ecology</i> , 2020, 108, 393-404.	4.0	28
121	Thermal tolerance and the importance of microhabitats for Andean frogs in the context of land use and climate change. <i>Journal of Animal Ecology</i> , 2020, 89, 2451-2460.	2.8	26
122	ECOLOGY: Enhanced: Deciding the Future of GM Crops in Europe. <i>Science</i> , 2003, 302, 994-996.	12.6	24
123	ECOLOGY: Population Dynamics: Growing to Extremes. <i>Science</i> , 2005, 309, 567-568.	12.6	24
124	Modelling the effects of management on population dynamics: some lessons from annual weeds. <i>Journal of Applied Ecology</i> , 2008, 45, 1050-1058.	4.0	24
125	Assessing the role of competition and stress: a critique of importance indices and the development of a new approach. <i>Journal of Ecology</i> , 2012, 100, 577-585.	4.0	23
126	Sex Allocation Patterns across Cooperatively Breeding Birds Do Not Support Predictions of the Repayment Hypothesis. <i>American Naturalist</i> , 2017, 190, 547-556.	2.1	23

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127	Biological control as a learning process. <i>Trends in Ecology and Evolution</i> , 2000, 15, 263-264.	8.7	22
128	Amelioration of biodiversity impacts of genetically modified crops: predicting transient versus long-term effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 325-331.	2.6	22
129	From meso- to macroscale population dynamics: a new density-structured approach. <i>Methods in Ecology and Evolution</i> , 2011, 2, 289-302.	5.2	21
130	Rarity, life history and scaling of the dynamics in time and space of British birds. <i>Journal of Animal Ecology</i> , 2011, 80, 215-224.	2.8	21
131	Spatial and temporal variability in positive and negative plant-bryophyte interactions along a latitudinal gradient. <i>Journal of Ecology</i> , 2013, 101, 465-474.	4.0	21
132	C ₄ photosynthesis and the economic spectra of leaf and root traits independently influence growth rates in grasses. <i>Journal of Ecology</i> , 2020, 108, 1899-1909.	4.0	20
133	Who cares? Quantifying the evolution of division of parental effort. <i>Methods in Ecology and Evolution</i> , 2010, 1, 221-230.	5.2	19
134	Characterizing abundance-occupancy relationships: there is no artefact. <i>Global Ecology and Biogeography</i> , 2012, 21, 952-957.	5.8	19
135	Measuring the effectiveness of management interventions at regional scales by integrating ecological monitoring and modelling. <i>Pest Management Science</i> , 2018, 74, 2287-2295.	3.4	19
136	Sex-biased breeding dispersal is predicted by social environment in birds. <i>Ecology and Evolution</i> , 2018, 8, 6483-6491.	1.9	19
137	Honesty and cheating in cleaning symbioses: evolutionarily stable strategies defined by variable pay-offs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 299-305.	2.6	18
138	Removing climbers more than doubles tree growth and biomass in degraded tropical forests. <i>Ecology and Evolution</i> , 2022, 12, e8758.	1.9	17
139	Critical parameters for predicting population fluctuations of some British passerines. <i>Journal of Animal Ecology</i> , 2009, 78, 1063-1075.	2.8	16
140	Are parental care trade-offs in shorebirds driven by parental investment or sexual selection?. <i>Journal of Evolutionary Biology</i> , 2009, 22, 672-682.	1.7	16
141	Small-scale and regional spatial dynamics of an annual plant with contrasting sexual systems. <i>Journal of Ecology</i> , 2017, 105, 1044-1057.	4.0	16
142	Do power laws imply self-regulation?. <i>Nature</i> , 2001, 413, 382-382.	27.8	15
143	Comparative analysis of experimental data. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1308-1321.	5.2	14
144	Comparing Life Histories across Taxonomic Groups in Multiple Dimensions: How Mammal-Like Are Insects?. <i>American Naturalist</i> , 2020, 195, 70-81.	2.1	14

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145	The changing face of applied ecology. <i>Journal of Applied Ecology</i> , 2005, 42, 1-3.	4.0	12
146	Evolution of large males is associated with female-skewed adult sex ratios in amniotes. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1636-1649.	2.3	12
147	Interspecific differences in stochastic population dynamics explains variation in Taylor's temporal power law. <i>Oikos</i> , 2013, 122, 1207-1216.	2.7	11
148	Testing the ability of unmanned aerial systems and machine learning to map weeds at subfield scales: a test with the weed <i>Alopecurus myosuroides</i> (Huds). <i>Pest Management Science</i> , 2019, 75, 2283-2294.	3.4	10
149	Asking the Wrong Question in Explaining Tropical Diversity. <i>Trends in Ecology and Evolution</i> , 2021, 36, 482-484.	8.7	10
150	Degree of anisogamy is unrelated to the intensity of sexual selection. <i>Scientific Reports</i> , 2021, 11, 19424.	3.3	10
151	Identifying the effect of density dependence, agricultural practices and climate variables on the long-term dynamics of weed populations. <i>Weed Research</i> , 2014, 54, 556-564.	1.7	9
152	Climate and mating systems as drivers of global diversity of parental care in frogs. <i>Global Ecology and Biogeography</i> , 2020, 29, 1373-1386.	5.8	9
153	Mapping the drivers of parasitic weed abundance at a national scale: a new approach applied to <i>Striga asiatica</i> in the mid-west of Madagascar. <i>Weed Research</i> , 2020, 60, 323-333.	1.7	9
154	Characterizing the environmental drivers of the abundance and distribution of <i>Alopecurus myosuroides</i> on a national scale. <i>Pest Management Science</i> , 2021, 77, 2726-2736.	3.4	9
155	Drought exposure leads to rapid acquisition and inheritance of herbicide resistance in the weed <i>Alopecurus myosuroides</i> . <i>Ecology and Evolution</i> , 2022, 12, e8563.	1.9	9
156	Methods in Ecology and Evolution. <i>Methods in Ecology and Evolution</i> , 2010, 1, 1-2.	5.2	8
157	Response to Comment on "Global pattern of nest predation is disrupted by climate change in shorebirds". <i>Science</i> , 2019, 364, .	12.6	7
158	Limited contributions of plant pathogens to density-dependent seedling mortality of mast fruiting Bornean trees. <i>Ecology and Evolution</i> , 2020, 10, 13154-13164.	1.9	7
159	Identifying existing management practices in the control of <i>Striga asiatica</i> within rice-maize systems in mid-west Madagascar. <i>Ecology and Evolution</i> , 2021, 11, 13579-13592.	1.9	7
160	Effects of density, species interactions, and environmental stochasticity on the dynamics of British bird communities. <i>Ecology</i> , 2022, 103, e3731.	3.2	7
161	Uncovering the spatio-temporal drivers of species trait variances: a case study of Magnoliaceae in China. <i>Journal of Biogeography</i> , 2016, 43, 1179-1191.	3.0	6
162	Complex Relationships between Competing Guilds along Large-Scale Environmental Gradients. <i>American Naturalist</i> , 2017, 189, 407-421.	2.1	6

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163	Phylogeny and ecological processes influence grass coexistence at different spatial scales within the steppe biome. <i>Oecologia</i> , 2019, 191, 25-38.	2.0	6
164	Estimating the farm-level economic costs of spring cropping to manage <i>Alopecurus myosuroides</i> (black-grass) in UK agriculture. <i>Journal of Agricultural Science</i> , 2019, 157, 318-332.	1.3	6
165	Dissecting weed adaptation: Fitness and trait correlations in herbicide-resistant <i>Alopecurus myosuroides</i> . <i>Pest Management Science</i> , 2022, 78, 3039-3050.	3.4	6
166	Problems formalising the concept of importance in ecology. <i>Trends in Ecology and Evolution</i> , 2011, 26, 498-499.	8.7	5
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