Marcel E Visser

List of Publications by Year
in descending order

234 papers	23,126 citations	10389 72 h-index	9345 143 g-index
251 all docs	251 docs citations	251 times ranked	17236 citing authors

#	Article	IF	Citations
1	Shifts in phenology due to global climate change: the need for a yardstick. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2561-2569.	2.6	1,146
2	Climate change and population declines in a long-distance migratory bird. Nature, 2006, 441, 81-83.	27.8	1,143
3	Keeping up with a warming world; assessing the rate of adaptation to climate change. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 649-659.	2.6	842
4	Adjustment to climate change is constrained by arrival date in a long-distance migrant bird. Nature, 2001, 411, 296-298.	27.8	841
5	Warmer springs lead to mistimed reproduction in great tits (Parus major). Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1867-1870.	2.6	806
6	Superparasitism as an Adaptive Strategy for Insect Parasitoids. Annual Review of Entomology, 1990, 35, 59-79.	11.8	623
7	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. Evolution; International Journal of Organic Evolution, 2006, 60, 2381-2388.	2.3	614
8	Predicting species distribution and abundance responses to climate change: why it is essential to include biotic interactions across trophic levels. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2025-2034.	4.0	604
9	Selection on Heritable Phenotypic Plasticity in a Wild Bird Population. Science, 2005, 310, 304-306.	12.6	571
10	Climate change and unequal phenological changes across four trophic levels: constraints or adaptations?. Journal of Animal Ecology, 2009, 78, 73-83.	2.8	553
11	Shifts in caterpillar biomass phenology due to climate change and its impact on the breeding biology of an insectivorous bird. Oecologia, 2006, 147, 164-172.	2.0	525
12	Warmer springs disrupt the synchrony of oak and winter moth phenology. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 289-294.	2.6	449
13	Phenology of Forest Caterpillars and Their Host Trees: The Importance of Synchrony. Annual Review of Entomology, 2007, 52, 37-55.	11.8	415
14	Global Climate Change Leads to Mistimed Avian Reproduction. Advances in Ecological Research, 2004, 35, 89-110.	2.7	386
15	Largeâ€“scale geographical variation confirms that climate change causes birds to lay earlier. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1657-1662.	2.6	357
16	The biological impacts of artificial light at night: the research challenge. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140133.	4.0	356
17	Travelling through a warming world: climate change and migratory species. Endangered Species Research, 2009, 7, 87-99.	2.4	297
18	Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.	12.8	285

#	Article	IF	Citations
19	The Importance of Being Large: The Relationship between Size and Fitness in Females of the Parasitoid Aphaereta minuta (Hymenoptera: Braconidae). Journal of Animal Ecology, 1994, 63, 963.	2.8	282
20	The costs of egg production and incubation in great tits (Parus major). Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1271-1277.	2.6	278
21	Phenology, seasonal timing and circannual rhythms: towards a unified framework. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3113-3127.	4.0	276
22	Climate change leads to decreasing bird migration distances. Global Change Biology, 2009, 15, 1859-1865.	9.5	263
23	Variable responses to large-scale climate change in European Parus populations. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 367-372.	2.6	239
24	Evolutionary and demographic consequences of phenological mismatches. Nature Ecology and Evolution, 2019, 3, 879-885.	7.8	235
25	Temperature has a causal effect on avian timing of reproduction. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2323-2331.	2.6	232
26	Seasonal Variation in Local Recruitment of Great Tits: The Importance of Being Early. Oikos, 1998, 81, 511.	2.7	227
27	Phenological mismatch strongly affects individual fitness but not population demography in a woodland passerine. Journal of Animal Ecology, 2013, 82, 131-144.	2.8	215
28	Densityâ€“dependent recruitment rates in great tits: the importance of being heavier. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 465-469.	2.6	195
29	Predicting adaptation of phenology in response to climate change, an insect herbivore example. Global Change Biology, 2007, 13, 1596-1604.	9.5	182
30	Population Growth in a Wild Bird Is Buffered Against Phenological Mismatch. Science, 2013, 340, 488-491.	12.6	180
31	The effect of climate change on the correlation between avian life-history traits. Global Change Biology, 2005, 11, 1606-1613.	9.5	178
32	International scientists formulate a roadmap for insect conservation and recovery. Nature Ecology and Evolution, 2020, 4, 174-176.	7.8	176
33	Generation time and temporal scaling of bird population dynamics. Nature, 2005, 436, 99-102.	27.8	172
34	Evolutionary signals of selection on cognition from the great tit genome and methylome. Nature Communications, 2016, 7, 10474.	12.8	172
35	Great tits can reduce caterpillar damage in apple orchards. Journal of Applied Ecology, 2002, 39, 888-899.	4.0	164
36	Recent natural selection causes adaptive evolution of an avian polygenic trait. Science, 2017, 358, 365-368.	12.6	161

#	Article	IF	Citations
37	CONTRASTING PATTERNS OF PHENOTYPIC PLASTICITY IN REPRODUCTIVE TRAITS IN TWO GREAT TIT (PARUS) Tj ETQq1 1 0.784314 rgBT	2.3	148
38	Increasing Temperature, Not Mean Temperature, Is a Cue for Avian Timing of Reproduction. American Naturalist, 2012, 179, E55-E69.	2.1	143
39	Dose-dependent responses of avian daily rhythms to artificial light at night. Physiology and Behavior, 2016, 155, 172-179.	2.1	139
40	Speeding Up Microevolution: The Effects of Increasing Temperature on Selection and Genetic Variance in a Wild Bird Population. PLoS Biology, 2011, 9, e1000585.	5.6	137
41	Climatic effects on timing of spring migration and breeding in a long-distance migrant, the pied flycatcherFicedula hypoleuca. Journal of Avian Biology, 2005, 36, 368-373.	1.2	134
42	Adaptive Superparasitism and Patch Time Allocation in Solitary Parasitoids: the Influence of the Number of Parasitoids Depleting a Patch. Behaviour, 1990, 114, 21-36.	0.8	133
43	Adaptive phenological mismatches of birds and their food in a warming world. Journal of Ornithology, 2012, 153, 75-84.	1.1	131
44	Disrupted seasonal biology impacts health, food security and ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151453.	2.6	130
45	Evolutionary response of the egg hatching date of a herbivorous insect under climate change. Nature Climate Change, 2013, 3, 244-248.	18.8	125
46	Two sides of a coin: ecological and chronobiological perspectives of timing in the wild. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160246.	4.0	124
47	Behavioural, ecological and evolutionary responses to extreme climatic events: challenges and directions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160134.	4.0	122
48	Lifeâ€History Variation Predicts the Effects of Demographic Stochasticity on Avian Population Dynamics. American Naturalist, 2004, 164, 793-802.	2.1	121
49	Restless roosts: Light pollution affects behavior, sleep, and physiology in a freeâ€living songbird. Global Change Biology, 2017, 23, 4987-4994.	9.5	121
50	Experimental illumination of natural habitatâ€"an experimental set-up to assess the direct and indirect ecological consequences of artificial light of different spectral composition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140129.	4.0	120
51	Predicting demographically sustainable rates of adaptation: can great tit breeding time keep pace with climate change?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120289.	4.0	115
52	Meta-analysis of multidecadal biodiversity trends in Europe. Nature Communications, 2020, 11, 3486.	12.8	115
53	Birds exploit herbivoreâ€induced plant volatiles to locate herbivorous prey. Ecology Letters, 2013, 16, 1348-1355.	6.4	114
54	Adaptive Superparasitism and Patch Time Allocation in Solitary Parasitoids: An ESS Model. Journal of Animal Ecology, 1992, 61, 93.	2.8	109

#	Article	IF	Citations
55	Effects of Spring Temperatures on the Strength of Selection on Timing of Reproduction in a Long-Distance Migratory Bird. PLoS Biology, 2015, 13, e1002120.	5.6	106
56	Climate change, breeding date and nestling diet: how temperature differentially affects seasonal changes in pied flycatcher diet depending on habitat variation. Journal of Animal Ecology, 2012, 81, 926-936.	2.8	101
57	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and ecoâ€evolutionary implications. New Phytologist, 2018, 220, 739-749.	7.3	101
58	Adaptive superparasitism in solitary parasitoids: marking of parasitized hosts in relation to the payâ€off from superparasitism. Ecological Entomology, 1992, 17, 76-82.	2.2	98
59	Archiving Primary Data: Solutions for Long-Term Studies. Trends in Ecology and Evolution, 2015, 30, 581-589.	8.7	98
60	The Case of the Missing Mechanism: How Does Temperature Influence Seasonal Timing in Endotherms?. PLoS Biology, 2013, 11, e1001517.	5.6	96
61	Adaptive superparasitism and patch time allocation in solitary parasitoids : the influence of pre-patch experience. Behavioral Ecology and Sociobiology, 1992, 31, 163-171.	1.4	94
62	Decline in the frequency and benefits of multiple brooding in great tits as a consequence of a changing environment. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1845-1854.	2.6	89
63	Artificial light at night as a driver of evolution across urbanâ€"rural landscapes. Frontiers in Ecology and the Environment, 2018, 16, 472-479.	4.0	88
64	Information Processing by Foragers: Effects of Intra-Patch Experience on the Leaving Tendency of Leptopilina heterotoma. Journal of Animal Ecology, 1991, 60, 93.	2.8	87
65	Why climate change will invariably alter selection pressures on phenology. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141611.	2.6	86
66	Response of bats to light with different spectra: light-shy and agile bat presence is affected by white and green, but not red light. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170075.	2.6	83
67	A new statistical tool to predict phenology under climate change scenarios. Global Change Biology, 2005, 11, 600-606.	9.5	82
68	Understanding Evolutionary Impacts of Seasonality: An Introduction to the Symposium. Integrative and Comparative Biology, 2017, 57, 921-933.	2.0	82
69	Heritable circadian period length in a wild bird population. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3335-3342.	2.6	80
70	Evidence for the Effect of Learning on Timing of Reproduction in Blue Tits. Science, 2002, 296, 136-138.	12.6	78
71	The extended Moran effect and large-scale synchronous fluctuations in the size of great tit and blue tit populations. Journal of Animal Ecology, 2007, 76, 315-325.	2.8	76
72	Climate variation and regional gradients in population dynamics of two hole-nesting passerines. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2397-2404.	2.6	75

#	Article	IF	Citations
73	Genomeâ€wide SNP detection in the great tit<i>Parus major</i>using high throughput sequencing. Molecular Ecology, 2010, 19, 89-99.	3.9	75
74	Activity Patterns during Food Provisioning Are Affected by Artificial Light in Free Living Great Tits (Parus major). PLoS ONE, 2012, 7, e37377.	2.5	75
75	Estimating the variation, autocorrelation, and environmental sensitivity of phenotypic selection. Evolution; International Journal of Organic Evolution, 2015, 69, 2319-2332.	2.3	74
76	Demographic routes to variability and regulation in bird populations. Nature Communications, 2016, 7, 12001.	12.8	74
77	Long-Term Fitness Effects of Fledging Date in Great Tits. Oikos, 1999, 85, 445.	2.7	73
78	The Genome of Winter Moth (<i>Operophtera brumata</i>) Provides a Genomic Perspective on Sexual Dimorphism and Phenology. Genome Biology and Evolution, 2015, 7, 2321-2332.	2.5	70
79	Chronobiology of interspecific interactions in a changing world. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160248.	4.0	69
80	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31969-31978.	7.1	69
81	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. Science, 2022, 376, 1012-1016.	12.6	69
82	Testing Mechanisms of Bergmannâ€™s Rule: Phenotypic Decline but No Genetic Change in Body Size in Three Passerine Bird Populations. American Naturalist, 2011, 178, 202-213.	2.1	68
83	Stressful colours: corticosterone concentrations in a free-living songbird vary with the spectral composition of experimental illumination. Biology Letters, 2015, 11, 20150517.	2.3	68
84	Density Dependence, Territoriality, and Divisibility of Resources: From Optimality Models to Population Processes. American Naturalist, 2003, 161, 326-336.	2.1	66
85	Effects of nocturnal illumination on life-history decisions and fitness in two wild songbird species. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140128.	4.0	66
86	Climate change leads to differential shifts in the timing of annual cycle stages in a migratory bird. Global Change Biology, 2018, 24, 823-835.	9.5	66
87	Smelling Out Predators is Innate in Birds. Ardea, 2011, 99, 177-184.	0.6	65
88	Breeding territory size affects fitness: an experimental study on competition at the individual level. Journal of Animal Ecology, 2000, 69, 1021-1030.	2.8	65
89	11 Pressing Research Questions on How Light Pollution Affects Biodiversity. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	64
90	Brominated flame retardants and organochlorines in the European environment using great tit eggs as a biomonitoring tool. Environment International, 2009, 35, 310-317.	10.0	63

#	Article	IF	Citations
91	Phenological sensitivity to climate change is higher in resident than in migrant bird populations among European cavity breeders. Global Change Biology, 2018, 24, 3780-3790.	9.5	63
92	Spatial and temporal variation in the relative contribution of density dependence, climate variation and migration to fluctuations in the size of great tit populations. Journal of Animal Ecology, 2009, 78, 447-459.	2.8	62
93	TIME TO EXTINCTION OF BIRD POPULATIONS. Ecology, 2005, 86, 693-700.	3.2	61
94	Replicated analysis of the genetic architecture of quantitative traits in two wild great tit populations. Molecular Ecology, 2015, 24, 6148-6162.	3.9	61
95	Multisensory pollution: Artificial light at night and anthropogenic noise have interactive effects on activity patterns of great tits (Parus major). Environmental Pollution, 2020, 256, 113314.	7.5	61
96	Temporal differences in food abundance promote coexistence between two congeneric passerines. Oecologia, 2010, 162, 873-884.	2.0	57
97	The design and crossâ€population application of a genomeâ€wide SNP chip for the great tit <i>Parus major</i>. Molecular Ecology Resources, 2012, 12, 753-770.	4.8	56
98	ADAPTIVE DENSITY DEPENDENCE OF AVIAN CLUTCH SIZE. Ecology, 2000, 81, 3391-3403.	3.2	55
99	Genetic variation in cue sensitivity involved in avian timing of reproduction. Functional Ecology, 2011, 25, 868-877.	3.6	55
100	Seasonal Variation in Genome-Wide DNA Methylation Patterns and the Onset of Seasonal Timing of Reproduction in Great Tits. Genome Biology and Evolution, 2019, 11, 970-983.	2.5	54
101	Replicated high-density genetic maps of two great tit populations reveal fine-scale genomic departures from sex-equal recombination rates. Heredity, 2014, 112, 307-316.	2.6	53
102	Sleeping Birds Do Not Respond to Predator Odour. PLoS ONE, 2011, 6, e27576.	2.5	51
103	Evidence for <i>r</i> - and <i>K</i> -selection in a wild bird population: a reciprocal link between ecology and evolution. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152411.	2.6	50
104	Great Tits (Parus major) Reduce Caterpillar Damage in Commercial Apple Orchards. PLoS ONE, 2007, 2, e202.	2.5	50
105	Introduction. Integration of ecology and endocrinology in avian reproduction: a new synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1581-1588.	4.0	47
106	Navigating the unfolding open data landscape in ecology and evolution. Nature Ecology and Evolution, 2018, 2, 420-426.	7.8	47
107	Timing in a fluctuating environment: environmental variability and asymmetric fitness curves can lead to adaptively mismatched avian reproduction. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3161-3169.	2.6	46
108	Individual variation in avian reproductive physiology does not reliably predict variation in laying date. General and Comparative Endocrinology, 2012, 179, 53-62.	1.8	45

#	Article	IF	Citations
109	Effects of experimentally manipulated yolk thyroid hormone levels on offspring development in a wild bird species. Hormones and Behavior, 2016, 81, 38-44.	2.1	45
110	Maternal effects in an insect herbivore as a mechanism to adapt to host plant phenology. Functional Ecology, 2010, 24, 1103-1109.	3.6	44
111	Host dispersal shapes the population structure of a tickâ€borne bacterial pathogen. Molecular Ecology, 2020, 29, 485-501.	3.9	43
112	Artificial Light at Night Reduces Daily Energy Expenditure in Breeding Great Tits (Parus major). Frontiers in Ecology and Evolution, 2017, 5, .	2.2	42
113	Indirect Mutual Interference in Parasitoids. Animal Biology, 1990, 41, 214-227.	0.4	41
114	Early Birds by Light at Night: Effects of Light Color and Intensity on Daily Activity Patterns in Blue Tits. Journal of Biological Rhythms, 2017, 32, 323-333.	2.6	40
115	Artificial light at night shifts daily activity patterns but not the internal clock in the great tit () Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	40
116	Genomic selection on breeding time in a wild bird population. Evolution Letters, 2019, 3, 142-151.	3.3	40
117	Testing for effects of climate change on competitive relationships and coexistence between two bird species. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141958.	2.6	39
118	Artificial light at night, in interaction with spring temperature, modulates timing of reproduction in a passerine bird. Ecological Applications, 2020, 30, e02062.	3.8	37
119	Density dependence and stochastic variation in a newly established population of a small songbird. Oikos, 2002, 99, 331-337.	2.7	36
120	Spring phenology does not affect timing of reproduction in the great tit (<i>Parus major</i>). Journal of Experimental Biology, 2011, 214, 3664-3671.	1.7	36
121	A highâ€density <scp>SNP</scp> chip for genotyping great tit (<i>Parus major</i>) populations and its application to studying the genetic architecture of exploration behaviour. Molecular Ecology Resources, 2018, 18, 877-891.	4.8	36
122	Experimental light at night has a negative long-term impact on macro-moth populations. Current Biology, 2020, 30, R694-R695.	3.9	36
123	Effects of Temperature on Circadian Clock and Chronotype: An Experimental Study on a Passerine Bird. Chronobiology International, 2012, 29, 1062-1071.	2.0	35
124	The preference and costs of sleeping under light at night in forest and urban great tits. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190872.	2.6	35
125	Why breeding time has not responded to selection for earlier breeding in a songbird population. Evolution; International Journal of Organic Evolution, 2006, 60, 2381-8.	2.3	35
126	The effect of competition on oviposition decisions of Leptopilina heterotoma (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.9	34

#	Article	IF	Citations
127	Interference among insect parasitoids: a multiâ€patch experiment. Journal of Animal Ecology, 1999, 68, 108-120.	2.8	34
128	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. Frontiers in Genetics, 2017, 8, 102.	2.3	34
129	How to do meta-analysis of open datasets. Nature Ecology and Evolution, 2018, 2, 1053-1056.	7.8	34
130	Continent-wide genomic signatures of adaptation to urbanisation in a songbird across Europe. Nature Communications, 2021, 12, 2983.	12.8	34
131	Phenological mismatch drives selection on elevation, but not on slope, of breeding time plasticity in a wild songbird. Evolution; International Journal of Organic Evolution, 2019, 73, 175-187.	2.3	32
132	Temperature-induced elevation of basal metabolic rate does not affect testis growth in great tits. Journal of Experimental Biology, 2009, 212, 1995-1999.	1.7	31
133	Interactions of climate change and species. Nature, 2016, 535, 236-237.	27.8	31
134	Doseâ€response effects of light at night on the reproductive physiology of great tits (<i>Parus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Experimental Zoology Part A: Ecological and Integrative Physiology, 2018, 329, 473-487.	1.9	31
135	The Ability To Distinguish Between Hosts Containing Different Numbers of Parasitoid Eggs By the Solitary Parasitoid Leptopilina Heterotoma (Thomson) (Hym., Cynip.). Animal Biology, 1989, 40, 514-520.	0.4	30
136	The influence of competition between foragers on clutch size decisions in an insect parasitoid with scramble larval competition. Behavioral Ecology, 1996, 7, 109-114.	2.2	29
137	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird (Ficedula) Tj ETQq1 1 0.784314 rgBT /Overl	5.3	29
138	Geographical Variation in Egg Mass and Egg Content in a Passerine Bird. PLoS ONE, 2011, 6, e25360.	2.5	29
139	Do Wild Great Tits Avoid Exposure to Light at Night?. PLoS ONE, 2016, 11, e0157357.	2.5	28
140	Density dependence in an ageâ€structured population of great tits: identifying the critical age classes. Ecology, 2016, 97, 2479-2490.	3.2	28
141	Experimental illumination of a forest: no effects of lights of different colours on the onset of the dawn chorus in songbirds. Royal Society Open Science, 2017, 4, 160638.	2.4	27
142	Possible fitness consequences of experimentally advanced laying dates in Great Tits: differences between populations in different habitats. Functional Ecology, 2006, 20, 180-185.	3.6	26
143	Simulated moult reduces flight performance but overlap with breeding does not affect breeding success in a longâ€distance migrant. Functional Ecology, 2018, 32, 389-401.	3.6	26
144	Temporal changes in DNA methylation and RNA expression in a small song bird: within- and between-tissue comparisons. BMC Genomics, 2021, 22, 36.	2.8	26

#	Article	IF	Citations
145	Central assumptions of predatorâ€"prey models fail in a semiâ€"natural experimental system. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S85-7.	2.6	25
146	Climate change, phenological shifts, eco-evolutionary responses and population viability: toward a unifying predictive approach. International Journal of Biometeorology, 2011, 55, 905-919.	3.0	25
147	Connecting the data landscape of longâ€term ecological studies: The SPIâ€Birds data hub. Journal of Animal Ecology, 2021, 90, 2147-2160.	2.8	25
148	Temperature-induced variation in yolk androgen and thyroid hormone levels in avian eggs. General and Comparative Endocrinology, 2016, 235, 29-37.	1.8	24
149	Experimental manipulation of food availability leads to shortâ€term intraâ€clutch adjustment in egg mass but not in yolk androgen or thyroid hormones. Journal of Avian Biology, 2016, 47, 36-46.	1.2	24
150	Rapid changes in DNA methylation associated with the initiation of reproduction in a small songbird. Molecular Ecology, 2021, 30, 3645-3659.	3.9	24
151	Genetic variation in variability: Phenotypic variability of fledging weight and its evolution in a songbird population. Evolution; International Journal of Organic Evolution, 2016, 70, 2004-2016.	2.3	23
152	Climate change relaxes the time constraints for late-born offspring in a long-distance migrant. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161366.	2.6	23
153	Environmental coupling of heritability and selection is rare and of minor evolutionary significance in wild populations. Nature Ecology and Evolution, 2018, 2, 1093-1103.	7.8	23
154	Variation in eggshell traits between geographically distant populations of pied flycatchers Ficedula hypoleuca. Journal of Avian Biology, 2013, 44, 111-120.	1.2	22
155	Longitudinal data reveal ontogenetic changes in the wing morphology of a longâ€distance migratory bird. Ibis, 2014, 156, 209-214.	1.9	21
156	Exploring the unmapped DNA and RNA reads in a songbird genome. BMC Genomics, 2019, 20, 19.	2.8	21
157	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. Evolution; International Journal of Organic Evolution, 2006, 60, 2381.	2.3	20
158	Forms of density regulation and (quasiâ€) stationary distributions of population sizes in birds. Oikos, 2008, 117, 1197-1208.	2.7	20
159	Density dependence and microevolution interactively determine effects of phenology mismatch on population dynamics. Oikos, 2015, 124, 81-91.	2.7	20
160	Modeling winter moth <i>Operophtera brumata</i> egg phenology: nonlinear effects of temperature and developmental stage on developmental rate. Oikos, 2016, 125, 1772-1781.	2.7	20
161	Breeding territory size affects fitness: an experimental study on competition at the individual level. Journal of Animal Ecology, 2000, 69, 1021-1030.	2.8	19
162	The Influence of Competition between Foragers on Clutch Size Decisions in Insect Parasitoids. Biological Control, 1998, 11, 169-174.	3.0	18

#	Article	IF	Citations
163	Feather mass and winter moult extent are heritable but not associated with fitness-related traits in a long-distance migratory bird. Evolutionary Ecology, 2013, 27, 1199-1216.	1.2	18
164	Heritable variation in maternally derived yolk androgens, thyroid hormones and immune factors. Heredity, 2016, 117, 184-190.	2.6	18
165	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. Functional Ecology, 2019, 33, 1708-1721.	3.6	18
166	Prey Selection By Predators Depleting a Patch; an Ess Model. Animal Biology, 1990, 41, 63-80.	0.4	17
167	Energy expenditure during egg laying is equal for early and late breeding free-living female great tits. Oecologia, 2012, 168, 631-638.	2.0	17
168	Is microevolution the only emergency exit in a warming world? Temperature influences egg laying but not its underlying mechanisms in great tits. General and Comparative Endocrinology, 2013, 190, 164-169.	1.8	17
169	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. Biological Journal of the Linnean Society, 2016, 118, 668-685.	1.6	17
170	Are naÃ¯ve birds attracted to herbivore-induced plantÂdefences?. Behaviour, 2016, 153, 353-366.	0.8	17
171	Mismatched reproduction is energetically costly for chick feeding female great tits. Functional Ecology, 2011, 25, 1302-1308.	3.6	16
172	Temporally replicated DNA methylation patterns in great tit using reduced representation bisulfite sequencing. Scientific Data, 2019, 6, 136.	5.3	16
173	Comparing two measures of phenological synchrony in a predatorâ€"prey interaction: Simpler works better. Journal of Animal Ecology, 2020, 89, 745-756.	2.8	16
174	Consequences of dispersal for the quantitative study of adaptation in small-scale plots: a case study of an avian island population. Ecography, 2000, 23, 525-530.	4.5	16
175	Singing Activity Reveals Personality Traits in Great Tits. Ethology, 2010, 116, 763-769.	1.1	15
176	Geographical trends in the yolk carotenoid composition of the pied flycatcher (Ficedula hypoleuca). Oecologia, 2011, 165, 277-287.	2.0	15
177	Testing for biases in selection on avian reproductive traits and partitioning direct and indirect selection using quantitative genetic models. Evolution; International Journal of Organic Evolution, 2016, 70, 2211-2225.	2.3	15
178	No effect of artificial light of different colors on commuting Daubenton's bats (<i>Myotis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Integrative Physiology, 2018, 329, 506-510.	1.9	15
179	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. BMC Genomics, 2019, 20, 693.	2.8	15
180	The Genomic Complexity of a Large Inversion in Great Tits. Genome Biology and Evolution, 2019, 11, 1870-1881.	2.5	15

#	Article	IF	Citations
181	Recent natural variability in global warming weakened phenological mismatch and selection on seasonal timing in great tits (<i>Parus major</i>). Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211337.	2.6	15
182	Bird populations most exposed to climate change are less sensitive to climatic variation. Nature Communications, 2022, 13, 2112.	12.8	15
183	Early arrival is not associated with more extraâ€pair fertilizations in a longâ€distance migratory bird. Journal of Avian Biology, 2017, 48, 854-861.	1.2	14
184	Between- and Within-Individual Variation of Maternal Thyroid Hormone Deposition in Wild Great Tits (<i>Parus major</i>). American Naturalist, 2019, 194, E96-E108.	2.1	14
185	Temperature has a causal and plastic effect on timing of breeding in a small songbird. Journal of Experimental Biology, 2020, 223, .	1.7	14
186	Similar patterns of ageâ€specific reproduction in an island and mainland population of great tits<i>Parus major</i>. Journal of Avian Biology, 2010, 41, 615-620.	1.2	13
187	Synchronisation of egg hatching of brown hairstreak (Thecla betulae) and budburst of blackthorn (Prunus spinosa) in a warmer future. Journal of Insect Conservation, 2011, 15, 311-319.	1.4	13
188	Mate Preference of Female Blue Tits Varies with Experimental Photoperiod. PLoS ONE, 2014, 9, e92527.	2.5	13
189	Interspecific transfer of parasites following a rangeâ€shift in <i>Ficedula</i> flycatchers. Ecology and Evolution, 2018, 8, 12183-12192.	1.9	13
190	Photoperiodic cues regulate phenological carryâ€over effects in an herbivorous insect. Functional Ecology, 2018, 32, 171-180.	3.6	13
191	A Single Long Day Triggers Follicle Growth in Captive Female Great Tits (Parus major) in Winter but Does Not Affect Laying Dates in the Wild in Spring. PLoS ONE, 2012, 7, e35617.	2.5	12
192	Quantifying individual variation in reaction norms: Mind the residual. Journal of Evolutionary Biology, 2020, 33, 352-366.	1.7	12
193	Integrated molecular and behavioural data reveal deep circadian disruption in response to artificial light at night in male Great tits (Parus major). Scientific Reports, 2022, 12, 1553.	3.3	12
194	Components of Parasitoid Interference. Oikos, 1997, 79, 179.	2.7	11
195	CNVs are associated with genomic architecture in a songbird. BMC Genomics, 2018, 19, 195.	2.8	11
196	Fine-tuning of seasonal timing of breeding is regulated downstream in the underlying neuro-endocrine system in a small songbird. Journal of Experimental Biology, 2019, 222, .	1.7	11
197	The impact of artificial light on avian ecology. , 2013, , 21-28.		11
198	Temporal correlations among demographic parameters are ubiquitous but highly variable across species. Ecology Letters, 2022, 25, 1640-1654.	6.4	11

#	Article	IF	Citations
199	The Influence of Adaptive Foraging Decisions on Spatial Heterogeneity of Parasitism and Parasitoid Population Efficiency. Oikos, 1993, 67, 209.	2.7	10
200	Analysing Population Numbers of the House Sparrow in the Netherlands With a Matrix Model and Suggestions for Conservation Measures. Acta Biotheoretica, 2006, 54, 161-178.	1.5	10
201	Fatter marmots on the rise. Nature, 2010, 466, 445-447.	27.8	10
202	Across and Within-Forest Effects on Breeding Success in Mediterranean Great Tits<i>Parus major</i>. Ardea, 2010, 98, 77-89.	0.6	10
203	Great tits provided with ad libitum food lay larger eggs when exposed to colder temperatures. Journal of Avian Biology, 2013, 44, 245-254.	1.2	10
204	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. Trends in Ecology and Evolution, 2016, 31, 85-87.	8.7	10
205	Pollination and fruit infestation under artificial light at night:light colour matters. Scientific Reports, 2020, 10, 18389.	3.3	10
206	Performance of methods to detect genetic variants from bisulphite sequencing data in a nonâ€model species. Molecular Ecology Resources, 2022, 22, 834-846.	4.8	10
207	Timing of Avian Breeding in an Urbanised World. Ardea, 2018, 106, 31.	0.6	9
208	Solar activity affects avian timing of reproduction. Biology Letters, 2009, 5, 739-742.	2.3	8
209	Genetic background, and not ontogenetic effects, affects avian seasonal timing of reproduction. Journal of Evolutionary Biology, 2013, 26, 2147-2153.	1.7	8
210	Urban street lighting differentially affects community attributes of airborne and groundâ€dwelling invertebrate assemblages. Journal of Applied Ecology, 2021, 58, 2329.	4.0	8
211	A new method for catching cavity-nesting birds during egg laying and incubation. Journal of Field Ornithology, 2011, 82, 320-324.	0.5	7
212	Heritability of gonad size varies across season in a wild songbird. Journal of Evolutionary Biology, 2013, 26, 2739-2745.	1.7	7
213	Phenological Shifts in Animals Under Contemporary Climate Change. , 2013, , 716-727.		7
214	What type of rigorous experiments are needed to investigate the impact of artificial light at night on individuals and populations?. Global Change Biology, 2017, 23, e9-e10.	9.5	7
215	Wild great and blue tits do not avoid chemical cues of predators when selecting cavities for roosting. PLoS ONE, 2018, 13, e0203269.	2.5	7
216	Personality and gonadal development as sources of individual variation in response to GnRH challenge in female great tits. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190142.	2.6	7

#	Article	IF	Citations
217	Manipulation of Life-History Decisions Using Leptin in a Wild Passerine. PLoS ONE, 2012, 7, e34090.	2.5	7
218	Timing manipulations reveal the lack of a causal link across timing of annual-cycle stages in a long-distance migrant. Journal of Experimental Biology, 2019, 222, .	1.7	6
219	Timing of increased temperature sensitivity coincides with nervous system development in winter moth embryos. Journal of Experimental Biology, 2021, 224, .	1.7	6
220	Adaptive Density Dependence of Avian Clutch Size. Ecology, 2000, 81, 3391.	3.2	6
221	Maternal Effects in a Wild Songbird Are Environmentally Plastic but Only Marginally Alter the Rate of Adaptation. American Naturalist, 2018, 191, E144-E158.	2.1	5
222	Effects of experimental light at night on extraâ€pair paternity in a songbird. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2018, 329, 441-448.	1.9	5
223	Birds and butterflies in climatic debt. Nature Climate Change, 2012, 2, 77-78.	18.8	4
224	Manipulation of photoperiod perception advances gonadal growth but not laying date in the great tit. Journal of Avian Biology, 2019, 50, .	1.2	4
225	The Genomics of Circadian Timing in a Wild Bird, the Great Tit (Parus major). Frontiers in Ecology and Evolution, 2019, 7, .	2.2	4
226	Evolution: Adapting to a Warming World. Current Biology, 2019, 29, R1189-R1191.	3.9	4
227	Integrating Causal and Evolutionary Analysis of Life-History Evolution: Arrival Date in a Long-Distant Migrant. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	4
228	Optimal Diet in Depletable Patches: A Comparison of Two Papers. Oikos, 1991, 62, 80.	2.7	3
229	A timeâ€series model for estimating temporal variation in phenotypic selection on laying dates in a Dutch great tit population. Methods in Ecology and Evolution, 2019, 10, 1401-1411.	5.2	2
230	Reply to: More evidence is needed to show that heritability and selection are not associated. Nature Ecology and Evolution, 2019, 3, 1408-1408.	7.8	2
231	Color of Artificial Light at Night Affects Incubation Behavior in the Great Tit, Parus major. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	2
232	Short-term, but not long-term, increased day time workload leads to decreased night time energetics in a free living song bird. Journal of Experimental Biology, 2019, 222, .	1.7	1
233	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. Evolution Letters, 2019, 3, 248-253.	3.3	1
234	Albert Christiaan Perdeck (1923â€"2009). Ardea, 2010, 98, 131-132.	0.6	0