Marcel E Visser

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

234 papers	17,948 citations	65 h-index	130 g-index
251 ext. papers	20,575 ext. citations	6.9 avg, IF	7.09 L-index

#	Paper	IF	Citations
234	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	4.9	0
233	Bird populations most exposed to climate change are less sensitive to climatic variation.. *Nature Communications*, **2022**, 13, 2112	17.4	0
232	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. *Science*, **2022**, 376, 1012-1016	33.3	8
231	11 Pressing Research Questions on How Light Pollution Affects Biodiversity. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	8
230	Recent natural variability in global warming weakened phenological mismatch and selection on seasonal timing in great tits (). *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211337	4.4	3
229	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. *Journal of Animal Ecology*, **2021**, 90, 2147-2160	4.7	9
228	Continent-wide genomic signatures of adaptation to urbanisation in a songbird across Europe. *Nature Communications*, **2021**, 12, 2983	17.4	9
227	Temporal changes in DNA methylation and RNA expression in a small song bird: within- and between-tissue comparisons. *BMC Genomics*, **2021**, 22, 36	4.5	9
226	Rapid changes in DNA methylation associated with the initiation of reproduction in a small songbird. *Molecular Ecology*, **2021**, 30, 3645-3659	5.7	5
225	Integrating Causal and Evolutionary Analysis of Life-History Evolution: Arrival Date in a Long-Distant Migrant. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	1
224	Urban street lighting differentially affects community attributes of airborne and ground-dwelling invertebrate assemblages. *Journal of Applied Ecology*, **2021**, 58, 2329	5.8	1
223	Timing of increased temperature sensitivity coincides with nervous system development in winter moth embryos. *Journal of Experimental Biology*, **2021**, 224,	3	1
222	Experimental light at night has a negative long-term impact on macro-moth populations. *Current Biology*, **2020**, 30, R694-R695	6.3	17
221	Temperature has a causal and plastic effect on timing of breeding in a small songbird. *Journal of Experimental Biology*, **2020**, 223,	3	4
220	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	11.5	24
219	Comparing two measures of phenological synchrony in a predator-prey interaction: Simpler works better. *Journal of Animal Ecology*, **2020**, 89, 745-756	4.7	7
218	Artificial light at night, in interaction with spring temperature, modulates timing of reproduction in a passerine bird. *Ecological Applications*, **2020**, 30, e02062	4.9	14

217	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	9.3	29
216	International scientists formulate a roadmap for insect conservation and recovery. *Nature Ecology and Evolution*, **2020**, 4, 174-176	12.3	98
215	Host dispersal shapes the population structure of a tick-borne bacterial pathogen. *Molecular Ecology*, **2020**, 29, 485-501	5.7	31
214	Quantifying individual variation in reaction norms: Mind the residual. *Journal of Evolutionary Biology* , **2020**, 33, 352-366	2.3	5
213	Meta-analysis of multidecadal biodiversity trends in Europe. *Nature Communications*, **2020**, 11, 3486	17.4	38
212	Pollination and fruit infestation under artificial light at night:light colour matters. *Scientific Reports*, **2020**, 10, 18389	4.9	8
211	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. *BMC Genomics*, **2019**, 20, 693	4.5	12
210	Reply to: More evidence is needed to show that heritability and selection are not associated. *Nature Ecology and Evolution*, **2019**, 3, 1408	12.3	1
209	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	4.4	23
208	The Genomics of Circadian Timing in a Wild Bird, the Great Tit (Parus major). *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	1
207	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. *Evolution Letters*, **2019**, 3, 248-253	5.3	
206	Between- and Within-Individual Variation of Maternal Thyroid Hormone Deposition in Wild Great Tits (). *American Naturalist*, **2019**, 194, E96-E108	3.7	5
205	Genomic selection on breeding time in a wild bird population. *Evolution Letters*, **2019**, 3, 142-151	5.3	22
204	The Genomic Complexity of a Large Inversion in Great Tits. *Genome Biology and Evolution*, **2019**, 11, 1870-1881	3.9	6
203	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. *Functional Ecology*, **2019**, 33, 1708-1721	5.6	10
202	Evolutionary and demographic consequences of phenological mismatches. *Nature Ecology and Evolution*, **2019**, 3, 879-885	12.3	129
201	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	4.4	5
200	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	3.9	23

199	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,	3	4
198	Short-term, but not long-term, increased daytime workload leads to decreased night-time energetics in a free-living song bird. *Journal of Experimental Biology*, **2019**, 222,	3	1
197	A time-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	7.7	1
196	Adaptive responses of animals to climate change are most likely insufficient. *Nature Communications*, **2019**, 10, 3109	17.4	141
195	Temporally replicated DNA methylation patterns in great tit using reduced representation bisulfite sequencing. *Scientific Data*, **2019**, 6, 136	8.2	9
194	Manipulation of photoperiod perception advances gonadal growth but not laying date in the great tit. *Journal of Avian Biology*, **2019**, 50,	1.9	1
193	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,	3	8
192	Evolution: Adapting to a Warming World. *Current Biology*, **2019**, 29, R1189-R1191	6.3	1
191	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	3.8	19
190	Exploring the unmapped DNA and RNA reads in a songbird genome. *BMC Genomics*, **2019**, 20, 19	4.5	12
189	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	11.4	40
188	A high-density SNP chip for genotyping great tit (Parus major) populations and its application to studying the genetic architecture of exploration behaviour. *Molecular Ecology Resources*, **2018**, 18, 877-891	8.4	25
187	Climate change leads to differential shifts in the timing of annual cycle stages in a migratory bird. *Global Change Biology*, **2018**, 24, 823-835	11.4	45
186	Navigating the unfolding open data landscape in ecology and evolution. *Nature Ecology and Evolution*, **2018**, 2, 420-426	12.3	21
185	CNVs are associated with genomic architecture in a songbird. *BMC Genomics*, **2018**, 19, 195	4.5	8
184	Artificial light at night shifts daily activity patterns but not the internal clock in the great tit (). *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	19
183	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. *New Phytologist*, **2018**, 220, 739-749	9.8	50
182	Simulated moult reduces flight performance but overlap with breeding does not affect breeding success in a long-distance migrant. *Functional Ecology*, **2018**, 32, 389-401	5.6	18

181	Effects of experimental light at night on extra-pair paternity in a songbird. *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology*, **2018**, 329, 441-448	1.9	3
180	Timing of Avian Breeding in an Urbanised World. *Ardea*, **2018**, 106, 31	0.9	4
179	Dose-response effects of light at night on the reproductive physiology of great tits (Parus major): Integrating morphological analyses with candidate gene expression. *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology*, **2018**, 329, 473-487	1.9	25
178	Environmental coupling of heritability and selection is rare and of minor evolutionary significance in wild populations. *Nature Ecology and Evolution*, **2018**, 2, 1093-1103	12.3	19
177	How to do meta-analysis of open datasets. *Nature Ecology and Evolution*, **2018**, 2, 1053-1056	12.3	22
176	Photoperiodic cues regulate phenological carry-over effects in an herbivorous insect. *Functional Ecology*, **2018**, 32, 171-180	5.6	8
175	Maternal Effects in a Wild Songbird Are Environmentally Plastic but Only Marginally Alter the Rate of Adaptation. *American Naturalist*, **2018**, 191, E144-E158	3.7	4
174	No effect of artificial light of different colors on commuting Daubenton's bats (Myotis daubentonii) in a choice experiment. *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology* , **2018**, 329, 506-510	1.9	11
173	Interspecific transfer of parasites following a range-shift in flycatchers. *Ecology and Evolution*, **2018**, 8, 12183-12192	2.8	9
172	Wild great and blue tits do not avoid chemical cues of predators when selecting cavities for roosting. *PLoS ONE*, **2018**, 13, e0203269	3.7	4
171	Artificial light at night as a driver of evolution across urban-rural landscapes. *Frontiers in Ecology and the Environment*, **2018**, 16, 472-479	5.5	51
170	Early arrival is not associated with more extra-pair fertilizations in a long-distance migratory bird. *Journal of Avian Biology*, **2017**, 48, 854-861	1.9	10
169	Behavioural, ecological and evolutionary responses to extreme climatic events: challenges and directions. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	76
168	Restless roosts: Light pollution affects behavior, sleep, and physiology in a free-living songbird. *Global Change Biology*, **2017**, 23, 4987-4994	11.4	79
167	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,	4.4	57
166	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	3.3	21
165	Chronobiology of interspecific interactions in a changing world. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	38
164	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,	5.8	63

163	Recent natural selection causes adaptive evolution of an avian polygenic trait. *Science*, **2017**, 358, 365-368	33.3	101
162	Understanding Evolutionary Impacts of Seasonality: An Introduction to the Symposium. *Integrative and Comparative Biology*, **2017**, 57, 921-933	2.8	45
161	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	11.4	6
160	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	3.2	25
159	Artificial Light at Night Reduces Daily Energy Expenditure in Breeding Great Tits (Parus major). *Frontiers in Ecology and Evolution*, **2017**, 5,	3.7	24
158	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. *Frontiers in Genetics*, **2017**, 8, 102	4.5	24
157	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,	4.4	18
156	Modeling winter moth Operophtera brumata egg phenology: nonlinear effects of temperature and developmental stage on developmental rate. *Oikos*, **2016**, 125, 1772-1781	4	12
155	Temperature-induced variation in yolk androgen and thyroid hormone levels in avian eggs. *General and Comparative Endocrinology*, **2016**, 235, 29-37	3	17
154	Phenology: Interactions of climate change and species. *Nature*, **2016**, 535, 236-7	50.4	25
153	Evolutionary signals of selection on cognition from the great tit genome and methylome. *Nature Communications*, **2016**, 7, 10474	17.4	125
152	Experimental manipulation of food availability leads to short-term intra-clutch adjustment in egg mass but not in yolk androgen or thyroid hormones. *Journal of Avian Biology*, **2016**, 47, 36-46	1.9	18
151	Are naïve birds attracted to herbivore-induced plant defences?. *Behaviour*, **2016**, 153, 353-366	1.4	14
150	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al. *Trends in Ecology and Evolution*, **2016**, 31, 85-87	10.9	10
149	Dose-dependent responses of avian daily rhythms to artificial light at night. *Physiology and Behavior* , **2016**, 155, 172-9	3.5	105
148	Do Wild Great Tits Avoid Exposure to Light at Night?. *PLoS ONE*, **2016**, 11, e0157357	3.7	21
147	Heritable variation in maternally derived yolk androgens, thyroid hormones and immune factors. *Heredity*, **2016**, 117, 184-90	3.6	14
146	Density dependence in an age-structured population of great tits: identifying the critical age classes. *Ecology*, **2016**, 97, 2479-2490	4.6	17

145	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. *Biological Journal of the Linnean Society*, **2016**, 118, 668-685	1.9	13
144	Demographic routes to variability and regulation in bird populations. *Nature Communications*, **2016**, 7, 12001	17.4	54
143	Effects of experimentally manipulated yolk thyroid hormone levels on offspring development in a wild bird species. *Hormones and Behavior*, **2016**, 81, 38-44	3.7	30
142	Evidence for r- and K-selection in a wild bird population: a reciprocal link between ecology and evolution. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	32
141	Genetic variation in variability: Phenotypic variability of fledging weight and its evolution in a songbird population. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 2004-16	3.8	16
140	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	3.8	11
139	Effects of spring temperatures on the strength of selection on timing of reproduction in a long-distance migratory bird. *PLoS Biology*, **2015**, 13, e1002120	9.7	88
138	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	4.4	32
137	The biological impacts of artificial light at night: the research challenge. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	258
136	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,	5.8	54
135	Experimental illumination of natural habitat--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,	5.8	96
134	Archiving Primary Data: Solutions for Long-Term Studies. *Trends in Ecology and Evolution*, **2015**, 30, 581-589	10.9	72
133	The Genome of Winter Moth (Operophtera brumata) Provides a Genomic Perspective on Sexual Dimorphism and Phenology. *Genome Biology and Evolution*, **2015**, 7, 2321-32	3.9	53
132	Density dependence and microevolution interactively determine effects of phenology mismatch on population dynamics. *Oikos*, **2015**, 124, 81-91	4	16
131	Replicated analysis of the genetic architecture of quantitative traits in two wild great tit populations. *Molecular Ecology*, **2015**, 24, 6148-62	5.7	48
130	Disrupted seasonal biology impacts health, food security and ecosystems. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20151453	4.4	100
129	Estimating the variation, autocorrelation, and environmental sensitivity of phenotypic selection. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 2319-32	3.8	54
128	Stressful colours: corticosterone concentrations in a free-living songbird vary with the spectral composition of experimental illumination. *Biology Letters*, **2015**, 11,	3.6	55

127	Longitudinal data reveal ontogenetic changes in the wing morphology of a long-distance migratory bird. *Ibis*, **2014**, 156, 209-214	1.9	18
126	Large-scale geographical variation in eggshell metal and calcium content in a passerine bird (Ficedula hypoleuca). *Environmental Science and Pollution Research*, **2014**, 21, 3304-17	5.1	22
125	Why climate change will invariably alter selection pressures on phenology. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281,	4.4	68
124	Mate preference of female blue tits varies with experimental photoperiod. *PLoS ONE*, **2014**, 9, e92527	3.7	10
123	Replicated high-density genetic maps of two great tit populations reveal fine-scale genomic departures from sex-equal recombination rates. *Heredity*, **2014**, 112, 307-16	3.6	37
122	Phenological mismatch strongly affects individual fitness but not population demography in a woodland passerine. *Journal of Animal Ecology*, **2013**, 82, 131-44	4.7	181
121	Evolutionary response of the egg hatching date of a herbivorous insect under climate change. *Nature Climate Change*, **2013**, 3, 244-248	21.4	90
120	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, 164-9	3	16
119	Birds exploit herbivore-induced plant volatiles to locate herbivorous prey. *Ecology Letters*, **2013**, 16, 1348-55	8.55	94
118	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	1.8	14
117	Genetic background, and not ontogenetic effects, affects avian seasonal timing of reproduction. *Journal of Evolutionary Biology*, **2013**, 26, 2147-53	2.3	8
116	Heritability of gonad size varies across season in a wild songbird. *Journal of Evolutionary Biology*, **2013**, 26, 2739-45	2.3	7
115	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	5.8	90
114	Population growth in a wild bird is buffered against phenological mismatch. *Science*, **2013**, 340, 488-91	33.3	143
113	Variation in eggshell traits between geographically distant populations of pied flycatchers Ficedula hypoleuca. *Journal of Avian Biology*, **2013**, 44, 111-120	1.9	16
112	Great tits provided with ad libitum food lay larger eggs when exposed to colder temperatures. *Journal of Avian Biology*, **2013**, 44, 245-254	1.9	8
111	Phenological Shifts in Animals Under Contemporary Climate Change **2013**, 716-727		7
110	The case of the missing mechanism: how does temperature influence seasonal timing in endotherms?. *PLoS Biology*, **2013**, 11, e1001517	9.7	69

109	The impact of artificial light on avian ecology **2013**, 21-28		7
108	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, 926-36	4.7	86
107	The design and cross-population application of a genome-wide SNP chip for the great tit Parus major. *Molecular Ecology Resources*, **2012**, 12, 753-70	8.4	46
106	Energy expenditure during egg laying is equal for early and late breeding free-living female great tits. *Oecologia*, **2012**, 168, 631-8	2.9	12
105	Adaptive phenological mismatches of birds and their food in a warming world. *Journal of Ornithology*, **2012**, 153, 75-84	1.5	94
104	Effects of temperature on circadian clock and chronotype: an experimental study on a passerine bird. *Chronobiology International*, **2012**, 29, 1062-71	3.6	23
103	Individual variation in avian reproductive physiology does not reliably predict variation in laying date. *General and Comparative Endocrinology*, **2012**, 179, 53-62	3	37
102	Activity patterns during food provisioning are affected by artificial light in free living great tits (Parus major). *PLoS ONE*, **2012**, 7, e37377	3.7	64
101	Increasing temperature, not mean temperature, is a cue for avian timing of reproduction. *American Naturalist*, **2012**, 179, E55-69	3.7	122
100	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, 3161-9	4.4	43
99	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	3.7	10
98	Manipulation of life-history decisions using leptin in a wild passerine. *PLoS ONE*, **2012**, 7, e34090	3.7	6
97	Spring phenology does not affect timing of reproduction in the great tit (Parus major). *Journal of Experimental Biology*, **2011**, 214, 3664-71	3	27
96	Sleeping birds do not respond to predator odour. *PLoS ONE*, **2011**, 6, e27576	3.7	27
95	Mismatched reproduction is energetically costly for chick feeding female great tits. *Functional Ecology*, **2011**, 25, 1302-1308	5.6	15
94	A new method for catching cavity-nesting birds during egg laying and incubation. *Journal of Field Ornithology*, **2011**, 82, 320-324	0.9	4
93	Genetic variation in cue sensitivity involved in avian timing of reproduction. *Functional Ecology*, **2011**, 25, 868-877	5.6	50
92	Smelling Out Predators is Innate in Birds. *Ardea*, **2011**, 99, 177-184	0.9	52

91	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	2.1	12
90	Geographical trends in the yolk carotenoid composition of the pied flycatcher (Ficedula hypoleuca). *Oecologia*, **2011**, 165, 277-87	2.9	13
89	Climate change, phenological shifts, eco-evolutionary responses and population viability: toward a unifying predictive approach. *International Journal of Biometeorology*, **2011**, 55, 905-19	3.7	21
88	Testing mechanisms of Bergmann's rule: phenotypic decline but no genetic change in body size in three passerine bird populations. *American Naturalist*, **2011**, 178, 202-13	3.7	58
87	Speeding up microevolution: the effects of increasing temperature on selection and genetic variance in a wild bird population. *PLoS Biology*, **2011**, 9, e1000585	9.7	114
86	Geographical variation in egg mass and egg content in a passerine bird. *PLoS ONE*, **2011**, 6, e25360	3.7	25
85	Contrasting patterns of phenotypic plasticity in reproductive traits in two great tit (Parus major) populations. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 2221-37	3.8	131
84	Similar patterns of age-specific reproduction in an island and mainland population of great tits Parus major. *Journal of Avian Biology*, **2010**, 41, 615-620	1.9	12
83	Maternal effects in an insect herbivore as a mechanism to adapt to host plant phenology. *Functional Ecology*, **2010**, 24, 1103-1109	5.6	39
82	Genome-wide SNP detection in the great tit Parus major using high throughput sequencing. *Molecular Ecology*, **2010**, 19 Suppl 1, 89-99	5.7	71
81	Singing Activity Reveals Personality Traits in Great Tits. *Ethology*, **2010**, 116, no-no	1.7	4
80	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, 2025-34	5.8	496
79	Heritable circadian period length in a wild bird population. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 3335-42	4.4	57
78	Phenology, seasonal timing and circannual rhythms: towards a unified framework. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3113-27	5.8	215
77	Albert Christiaan Perdeck (1923–2009). *Ardea*, **2010**, 98, 131-132	0.9	
76	Across and Within-Forest Effects on Breeding Success in Mediterranean Great TitsParus major. *Ardea*, **2010**, 98, 77-89	0.9	8
75	Temporal differences in food abundance promote coexistence between two congeneric passerines. *Oecologia*, **2010**, 162, 873-84	2.9	50
74	Temperature-induced elevation of basal metabolic rate does not affect testis growth in great tits. *Journal of Experimental Biology*, **2009**, 212, 1995-9	3	27

73	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, 1845-54	4.4	71
72	Temperature has a causal effect on avian timing of reproduction. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 2323-31	4.4	191
71	Solar activity affects avian timing of reproduction. *Biology Letters*, **2009**, 5, 739-42	3.6	8
70	Climate change leads to decreasing bird migration distances. *Global Change Biology*, **2009**, 15, 1859-1865	11.4	196
69	Climate change and unequal phenological changes across four trophic levels: constraints or adaptations?. *Journal of Animal Ecology*, **2009**, 78, 73-83	4.7	452
68	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, 447-59	4.7	56
67	Brominated flame retardants and organochlorines in the European environment using great tit eggs as a biomonitoring tool. *Environment International*, **2009**, 35, 310-7	12.9	60
66	Travelling through a warming world: climate change and migratory species. *Endangered Species Research*, **2009**, 7, 87-99	2.5	225
65	Breeding territory size affects fitness: an experimental study on competition at the individual level. *Journal of Animal Ecology*, **2008**, 69, 1021-1030	4.7	6
64	Introduction. Integration of ecology and endocrinology in avian reproduction: a new synthesis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1581-8	5.8	43
63	Keeping up with a warming world; assessing the rate of adaptation to climate change. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 649-59	4.4	716
62	Forms of density regulation and (quasi-) stationary distributions of population sizes in birds. *Oikos*, **2008**, 117, 1197-1208	4	17
61	Predicting adaptation of phenology in response to climate change, an insect herbivore example. *Global Change Biology*, **2007**, 13, 1596-1604	11.4	160
60	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, 315-25	4.7	65
59	Phenology of forest caterpillars and their host trees: the importance of synchrony. *Annual Review of Entomology*, **2007**, 52, 37-55	21.8	345
58	Great tits (Parus major) reduce caterpillar damage in commercial apple orchards. *PLoS ONE*, **2007**, 2, e203	3.7	45
57	WHY BREEDING TIME HAS NOT RESPONDED TO SELECTION FOR EARLIER BREEDING IN A SONGBIRD POPULATION. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 2381	3.8	5
56	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	3.8	516

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