Kees van Oers

List of Publications by Citations

117 papers	5,515 citations	37 h-index	72 g-index
127 ext. papers	6,332 ext. citations	4.4 avg, IF	5.74 L-index

#	Paper	IF	Citations
117	Repeatability and heritability of exploratory behaviour in great tits from the wild. *Animal Behaviour*, **2002**, 64, 929-938	2.8	573
116	Realized heritability of personalities in the great tit (Parus major). *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 45-51	4.4	423
115	Realized heritability and repeatability of risk-taking behaviour in relation to avian personalities. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 65-73	4.4	306
114	Contribution of genetics to the study of animal personalities: a review of case studies. *Behaviour*, **2005**, 142, 1185-1206	1.4	287
113	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
112	The effect of personality on social foraging: shy barnacle geese scrounge more. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 601-8	4.4	181
111	Context dependence of personalities: risk-taking behavior in a social and a nonsocial situation. *Behavioral Ecology*, **2005**, 16, 716-723	2.3	180
110	Drd4 gene polymorphisms are associated with personality variation in a passerine bird. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 1685-91	4.4	140
109	Personality differences explain leadership in barnacle geese. *Animal Behaviour*, **2009**, 78, 447-453	2.8	134
108	Association between DRD4 gene polymorphism and personality variation in great tits: a test across four wild populations. *Molecular Ecology*, **2010**, 19, 832-43	5.7	133
107	Personality is associated with extrapair paternity in great tits, Parus major. *Animal Behaviour*, **2008**, 76, 555-563	2.8	129
106	Evolutionary signals of selection on cognition from the great tit genome and methylome. *Nature Communications*, **2016**, 7, 10474	17.4	125
105	Personality predicts the use of social information. *Ecology Letters*, **2010**, 13, 829-37	10	119
104	Dose-dependent responses of avian daily rhythms to artificial light at night. *Physiology and Behavior* , **2016**, 155, 172-9	3.5	105
103	A genetic analysis of avian personality traits: correlated, response to artificial selection. *Behavior Genetics*, **2004**, 34, 611-9	3.2	104
102	Recent natural selection causes adaptive evolution of an avian polygenic trait. *Science*, **2017**, 358, 365-368	33.3	101
101	Shy and bold great tits (Parus major): body temperature and breath rate in response to handling stress. *Physiology and Behavior*, **2004**, 82, 905-12	3.5	98

100	Additive and nonadditive genetic variation in avian personality traits. *Heredity*, **2004**, 93, 496-503	3.6	95
99	Corticosterone responses differ between lines of great tits (Parus major) selected for divergent personalities. *General and Comparative Endocrinology*, **2012**, 175, 488-94	3	94
98	Personality affects learning performance in difficult tasks in a sex-dependent way. *Animal Behaviour*, **2012**, 83, 723-730	2.8	94
97	Evolutionary genomics of animal personality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3991-4000	5.8	91
96	Genomic tools for behavioural ecologists to understand repeatable individual differences in behaviour. *Nature Ecology and Evolution*, **2018**, 2, 944-955	12.3	77
95	Handling Stress as a Measurement of Personality in Great Tit Nestlings (Parus major). *Ethology*, **2009**, 115, 366-374	1.7	72
94	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
93	Initial reactivity and magnitude of the acute stress response associated with personality in wild great tits (Parus major). *General and Comparative Endocrinology*, **2013**, 189, 96-104	3	59
92	Social networking in territorial great tits: slow explorers have the least central social network positions. *Animal Behaviour*, **2014**, 98, 95-102	2.8	54
91	Worms under cover: relationships between performance in learning tasks and personality in great tits (Parus major). *Animal Cognition*, **2012**, 15, 763-70	3.1	54
90	Correlated response to selection of testosterone levels and immunocompetence in lines selected for avian personality. *Animal Behaviour*, **2011**, 81, 1055-1061	2.8	53
89	Baseline and stress-induced glucocorticoid concentrations are not repeatable but covary within individual great tits (Parus major). *General and Comparative Endocrinology*, **2014**, 208, 154-63	3	52
88	Context-dependent effects of radio transmitter attachment on a small passerine. *Journal of Avian Biology*, **2017**, 48, 650-659	1.9	52
87	Smelling Out Predators is Innate in Birds. *Ardea*, **2011**, 99, 177-184	0.9	52
86	Replicated analysis of the genetic architecture of quantitative traits in two wild great tit populations. *Molecular Ecology*, **2015**, 24, 6148-62	5.7	48
85	Evidence from pyrosequencing indicates that natural variation in animal personality is associated with DRD4 DNA methylation. *Molecular Ecology*, **2016**, 25, 1801-11	5.7	48
84	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
83	Noise annoys: effects of noise on breeding great tits depend on personality but not on noise characteristics. *Animal Behaviour*, **2013**, 85, 949-956	2.8	42

82	Reduced blood parasite prevalence with age in the Seychelles Warbler: selective mortality or suppression of infection?. *Journal of Ornithology*, **2010**, 151, 69-77	1.5	39
81	Effects of social conditions during early development on stress response and personality traits in great tits (Parus major). *Developmental Psychobiology*, **2011**, 53, 592-600	3	38
80	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
79	Gene and transposable element methylation in great tit (Parus major) brain and blood. *BMC Genomics*, **2016**, 17, 332	4.5	35
78	Haplotype structure, adaptive history and associations with exploratory behaviour of the DRD4 gene region in four great tit (Parus major) populations. *Molecular Ecology*, **2013**, 22, 2797-809	5.7	29
77	Costs of sleeping in: circadian rhythms influence cuckoldry risk in a songbird. *Functional Ecology*, **2015**, 29, 1300-1307	5.6	29
76	Risk-averse personalities have a systemically potentiated neuroendocrine stress axis: A multilevel experiment in Parus major. *Hormones and Behavior*, **2017**, 93, 99-108	3.7	25
75	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
74	Are the specialized bird ticks, Ixodes arboricola and I. frontalis, competent vectors for Borrelia burgdorferi sensu lato?. *Environmental Microbiology*, **2014**, 16, 1081-9	5.2	25
73	Becoming more like your mate: hormonal similarity reduces divorce rates in a wild songbird. *Animal Behaviour*, **2014**, 98, 87-93	2.8	24
72	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. *Frontiers in Genetics*, **2017**, 8, 102	4.5	24
71	Passerine extrapair mating dynamics: a bayesian modeling approach comparing four species. *American Naturalist*, **2010**, 176, 178-87	3.7	24
70	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
69	Long-term effects of repeated handling and bleeding in wild caught Great Tits Parus major. *Journal Fur Ornithologie*, **2007**, 148, 185-190		23
68	Avian Personality66-95		23
67	Boldness affects foraging decisions in barnacle geese: an experimental approach. *Behavioral Ecology*, **2012**, 23, 1155-1161	2.3	22
66	Central assumptions of predator-prey models fail in a semi-natural experimental system. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271 Suppl 3, S85-7	4.4	21
65	Avian ecological epigenetics: pitfalls and promises. *Journal of Ornithology*, **2019**, 160, 1183-1203	1.5	20

64	Parental food provisioning is related to nestling stress response in wild great tit nestlings: implications for the development of personality. *Frontiers in Zoology*, **2015**, 12, S10	2.8	19
63	Personality types vary in their personal and social information use. *Animal Behaviour*, **2019**, 151, 185-193	2.8	18
62	Dawn song predicts behaviour during territory conflicts in personality-typed great tits. *Animal Behaviour*, **2015**, 109, 45-52	2.8	18
61	Song Amplitude of Rival Males Modulates the Territorial Behaviour of Great Tits During the Fertile Period of Their Mates. *Ethology*, **2012**, 118, 197-202	1.7	17
60	Experimental nest site limitation affects reproductive strategies and parental investment in a hole-nesting passerine. *Animal Behaviour*, **2009**, 77, 1075-1083	2.8	17
59	Sex-specific responses to territorial intrusions in a communication network: Evidence from radio-tagged great tits. *Ecology and Evolution*, **2017**, 7, 918-927	2.8	16
58	Inefficient co-feeding transmission of Borrelia afzelii in two common European songbirds. *Scientific Reports*, **2017**, 7, 39596	4.9	16
57	Song trait similarity in great tits varies with social structure. *PLoS ONE*, **2015**, 10, e0116881	3.7	15
56	Temporal dynamics of the HPA axis linked to exploratory behavior in a wild European songbird (Parus major). *General and Comparative Endocrinology*, **2017**, 250, 104-112	3	14
55	To sing or not to sing: seasonal changes in singing vary with personality in wild great tits. *Behavioral Ecology*, **2016**, 27, 932-938	2.3	14
54	Toward a Basis for the Phenotypic Gambit: Advances in the Evolutionary Genetics of Animal Personality. *Primatology Monographs*, **2011**, 165-183	0.3	14
53	Quantitative and Molecular Genetics of Animal Personality148-200		14
52	Novelty induces behavioural and glucocorticoid responses in a songbird artificially selected for divergent personalities. *Animal Behaviour*, **2017**, 130, 221-231	2.8	13
51	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
50	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
49	Effects of experimentally sustained elevated testosterone on incubation behaviour and reproductive success in female great tits (Parus major). *General and Comparative Endocrinology*, **2016**, 230-231, 38-47	3	12
48	GAPDH as a Control Gene to Estimate Genome Copy Number in Great Tits, with Cross-Amplification in Blue Tits. *Ardea*, **2013**, 101, 49-54	0.9	12
47	Personality-dependent differences in problem-solving performance in a social context reflect foraging strategies. *Behavioural Processes*, **2017**, 134, 95-102	1.6	12

46	Exploring the unmapped DNA and RNA reads in a songbird genome. *BMC Genomics*, **2019**, 20, 19	4.5	12
45	Repeatability of signalling traits in the avian dawn chorus. *Frontiers in Zoology*, **2019**, 16, 27	2.8	11
44	Gender and Personality Differences in Response to Social Stressors in Great Tits (Parus major). *PLoS ONE*, **2015**, 10, e0127984	3.7	11
43	Anthelminthic treatment negatively affects chick survival in the Eurasian Oystercatcher Haematopus ostralegus. *Ibis*, **2002**, 144, 509-517	1.9	11
42	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. *Functional Ecology*, **2019**, 33, 1708-1721	5.6	10
41	The Quantitative and Molecular Genetics of Individual Differences in Animal Personality **2017**, 55-72		10
40	Mate preference of female blue tits varies with experimental photoperiod. *PLoS ONE*, **2014**, 9, e92527	3.7	10
39	Temporally replicated DNA methylation patterns in great tit using reduced representation bisulfite sequencing. *Scientific Data*, **2019**, 6, 136	8.2	9
38	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
37	Extraterritorial forays by great tits are associated with dawn song in unexpected ways. *Behavioral Ecology*, **2020**, 31, 873-883	2.3	9
36	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
35	CNVs are associated with genomic architecture in a songbird. *BMC Genomics*, **2018**, 19, 195	4.5	8
34	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
33	Direct fitness benefits explain mate preference, but not choice, for similarity in heterozygosity levels. *Ecology Letters*, **2017**, 20, 1306-1314	10	8
32	Anthropogenic noise impairs foraging for cryptic prey via cross-sensory interference. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20192951	4.4	7
31	The Genomic Complexity of a Large Inversion in Great Tits. *Genome Biology and Evolution*, **2019**, 11, 1870-1881	3.9	6
30	Responses of insect herbivores and their food plants to wind exposure and the importance of predation risk. *Journal of Animal Ecology*, **2018**, 87, 1046-1057	4.7	6
29	Maternal egg hormones in the mating context: The effect of pair personality. *Functional Ecology*, **2018**, 32, 439-449	5.6	6

28	Volume of the Cloacal Protuberance as an Indication of Reproductive State in Male Blue TitsCyanistes caeruleus. *Ardea*, **2012**, 100, 202-205	0.9	6
27	The great tit HapMap project: a continental-scale analysis of genomic variation in a songbird		6
26	Heterogeneous selection on exploration behavior within and among West European populations of a passerine bird. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
25	Gene flow does not prevent personality and morphological differentiation between two blue tit populations. *Journal of Evolutionary Biology*, **2018**, 31, 1127-1137	2.3	6
24	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
23	gene polymorphisms are associated with risk-taking behaviour and breeding parameters in wild great tits. *Journal of Experimental Biology*, **2018**, 221,	3	5
22	Exploratory behavior undergoes genotype-age interactions in a wild bird. *Ecology and Evolution*, **2019**, 9, 8987-8994	2.8	5
21	Epigenetics of Animal Personality: DNA Methylation Cannot Explain the Heritability of Exploratory Behavior in a Songbird. *Integrative and Comparative Biology*, **2020**, 60, 1517-1530	2.8	5
20	Motivation, accuracy and positive feedback through experience explain innovative problem solving and its repeatability. *Animal Behaviour*, **2021**, 174, 249-261	2.8	5
19	Bolder Takes All and the Role of Epigenetics. A Comment on Canestrelli et al. *Trends in Ecology and Evolution*, **2016**, 31, 498-499	10.9	5
18	Rapid changes in DNA methylation associated with the initiation of reproduction in a small songbird. *Molecular Ecology*, **2021**, 30, 3645-3659	5.7	5
17	Singing Activity Reveals Personality Traits in Great Tits. *Ethology*, **2010**, 116, no-no	1.7	4
16	Dominance rank and boldness predict social attraction in great tits. *Behavioral Ecology*, **2016**, arw158	2.3	4
15	Black TernsChlidonias nigerand Their Dietary Problems in Dutch Wetlands. *Ardea*, **2010**, 98, 365-372	0.9	3
14	epiGBS2: an improved protocol and automated snakemake workflow for highly multiplexed reduced representation bisulfite sequencing		3
13	The effect of experimental lead pollution on DNA methylation in a wild bird population		2
12	Anyone listening? No evidence for eavesdropping on male singing interactions in the great tit, Parus major. *Animal Behaviour*, **2021**, 176, 67-76	2.8	2
11	Does Arsenic Contamination Affect DNA Methylation Patterns in a Wild Bird Population? An Experimental Approach. *Environmental Science & Technology*, **2021**, 55, 8947-8954	10.3	2

10	The Genomics of Circadian Timing in a Wild Bird, the Great Tit (Parus major). *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	1
9	Epigenetic mediation of the onset of reproduction in a songbird		1
8	Does arsenic contamination affect DNA methylation patterns in a wild bird population? An experimental approach		1
7	Artificial light at night leads to circadian disruption in a songbird: integrated evidence from behavioural, genomic and metabolomic data		1
6	Measuring mate preferences: Absolute and comparative evaluation of potential partners. *Animal Behaviour*, **2020**, 167, 65-76	2.8	1
5	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
4	The effect of experimental lead pollution on DNA methylation in a wild bird population. *Epigenetics* , **2021**, 1-17	5.7	0
3	Prior territorial responses and home range size predict territory defense in radio-tagged great tits. *Behavioral Ecology and Sociobiology*, **2022**, 76, 1	2.5	0
2	Bird populations most exposed to climate change are less sensitive to climatic variation.. *Nature Communications*, **2022**, 13, 2112	17.4	0
1	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. *Evolution Letters*, **2019**, 3, 248-253	5.3	