

Kees van Oers

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.

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	Integrated molecular and behavioural data reveal deep circadian disruption in response to artificial light at night in male Great tits (<i>Parus major</i>).. <i>Scientific Reports</i> , 2022 , 12, 1553	4.9	0
116	Prior territorial responses and home range size predict territory defense in radio-tagged great tits. <i>Behavioral Ecology and Sociobiology</i> , 2022 , 76, 1	2.5	0
115	Bird populations most exposed to climate change are less sensitive to climatic variation.. <i>Nature Communications</i> , 2022 , 13, 2112	17.4	0
114	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. <i>Journal of Animal Ecology</i> , 2021 , 90, 2147-2160	4.7	9
113	Motivation, accuracy and positive feedback through experience explain innovative problem solving and its repeatability. <i>Animal Behaviour</i> , 2021 , 174, 249-261	2.8	5
112	Anyone listening? No evidence for eavesdropping on male singing interactions in the great tit, <i>Parus major</i> . <i>Animal Behaviour</i> , 2021 , 176, 67-76	2.8	2
111	Does Arsenic Contamination Affect DNA Methylation Patterns in a Wild Bird Population? An Experimental Approach. <i>Environmental Science & Technology</i> , 2021 , 55, 8947-8954	10.3	2
110	Heterogeneous selection on exploration behavior within and among West European populations of a passerine bird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
109	Temporal changes in DNA methylation and RNA expression in a small song bird: within- and between-tissue comparisons. <i>BMC Genomics</i> , 2021 , 22, 36	4.5	9
108	Rapid changes in DNA methylation associated with the initiation of reproduction in a small songbird. <i>Molecular Ecology</i> , 2021 , 30, 3645-3659	5.7	5
107	The effect of experimental lead pollution on DNA methylation in a wild bird population. <i>Epigenetics</i> , 2021 , 1-17	5.7	0
106	Anthropogenic noise impairs foraging for cryptic prey via cross-sensory interference. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20192951	4.4	7
105	Epigenetics of Animal Personality: DNA Methylation Cannot Explain the Heritability of Exploratory Behavior in a Songbird. <i>Integrative and Comparative Biology</i> , 2020 , 60, 1517-1530	2.8	5
104	Measuring mate preferences: Absolute and comparative evaluation of potential partners. <i>Animal Behaviour</i> , 2020 , 167, 65-76	2.8	1
103	Extraterritorial forays by great tits are associated with dawn song in unexpected ways. <i>Behavioral Ecology</i> , 2020 , 31, 873-883	2.3	9
102	Exploration of tissue-specific gene expression patterns underlying timing of breeding in contrasting temperature environments in a song bird. <i>BMC Genomics</i> , 2019 , 20, 693	4.5	12
101	The Genomics of Circadian Timing in a Wild Bird, the Great Tit (<i>Parus major</i>). <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	1

100	Response to Perrier and Charmantier: On the importance of time scales when studying adaptive evolution. <i>Evolution Letters</i> , 2019 , 3, 248-253	5.3	
99	The Genomic Complexity of a Large Inversion in Great Tits. <i>Genome Biology and Evolution</i> , 2019 , 11, 1870-1881	5.5	6
98	Genetic and phenotypic responses to genomic selection for timing of breeding in a wild songbird. <i>Functional Ecology</i> , 2019 , 33, 1708-1721	5.6	10
97	Personality and gonadal development as sources of individual variation in response to GnRH challenge in female great tits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20190142	4.4	5
96	Personality types vary in their personal and social information use. <i>Animal Behaviour</i> , 2019 , 151, 185-193	3.8	18
95	Seasonal Variation in Genome-Wide DNA Methylation Patterns and the Onset of Seasonal Timing of Reproduction in Great Tits. <i>Genome Biology and Evolution</i> , 2019 , 11, 970-983	3.9	23
94	Repeatability of signalling traits in the avian dawn chorus. <i>Frontiers in Zoology</i> , 2019 , 16, 27	2.8	11
93	Avian ecological epigenetics: pitfalls and promises. <i>Journal of Ornithology</i> , 2019 , 160, 1183-1203	1.5	20
92	Temporally replicated DNA methylation patterns in great tit using reduced representation bisulfite sequencing. <i>Scientific Data</i> , 2019 , 6, 136	8.2	9
91	Fine-tuning of seasonal timing of breeding is regulated downstream in the underlying neuro-endocrine system in a small songbird. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	8
90	Exploratory behavior undergoes genotype-age interactions in a wild bird. <i>Ecology and Evolution</i> , 2019 , 9, 8987-8994	2.8	5
89	Exploring the unmapped DNA and RNA reads in a songbird genome. <i>BMC Genomics</i> , 2019 , 20, 19	4.5	12
88	Responses of insect herbivores and their food plants to wind exposure and the importance of predation risk. <i>Journal of Animal Ecology</i> , 2018 , 87, 1046-1057	4.7	6
87	Genomic tools for behavioural ecologists to understand repeatable individual differences in behaviour. <i>Nature Ecology and Evolution</i> , 2018 , 2, 944-955	12.3	77
86	gene polymorphisms are associated with risk-taking behaviour and breeding parameters in wild great tits. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	5
85	CNVs are associated with genomic architecture in a songbird. <i>BMC Genomics</i> , 2018 , 19, 195	4.5	8
84	Maternal egg hormones in the mating context: The effect of pair personality. <i>Functional Ecology</i> , 2018 , 32, 439-449	5.6	6
83	Dose-response effects of light at night on the reproductive physiology of great tits (<i>Parus major</i>): Integrating morphological analyses with candidate gene expression. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018 , 329, 473-487	1.9	25

82	Gene flow does not prevent personality and morphological differentiation between two blue tit populations. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1127-1137	2.3	6
81	Temporal dynamics of the HPA axis linked to exploratory behavior in a wild European songbird (Parus major). <i>General and Comparative Endocrinology</i> , 2017 , 250, 104-112	3	14
80	Risk-averse personalities have a systemically potentiated neuroendocrine stress axis: A multilevel experiment in Parus major. <i>Hormones and Behavior</i> , 2017 , 93, 99-108	3.7	25
79	Sex-specific responses to territorial intrusions in a communication network: Evidence from radio-tagged great tits. <i>Ecology and Evolution</i> , 2017 , 7, 918-927	2.8	16
78	Recent natural selection causes adaptive evolution of an avian polygenic trait. <i>Science</i> , 2017 , 358, 365-368	99.3	101
77	Direct fitness benefits explain mate preference, but not choice, for similarity in heterozygosity levels. <i>Ecology Letters</i> , 2017 , 20, 1306-1314	10	8
76	Inefficient co-feeding transmission of <i>Borrelia afzelii</i> in two common European songbirds. <i>Scientific Reports</i> , 2017 , 7, 39596	4.9	16
75	The Quantitative and Molecular Genetics of Individual Differences in Animal Personality 2017 , 55-72		10
74	Novelty induces behavioural and glucocorticoid responses in a songbird artificially selected for divergent personalities. <i>Animal Behaviour</i> , 2017 , 130, 221-231	2.8	13
73	Context-dependent effects of radio transmitter attachment on a small passerine. <i>Journal of Avian Biology</i> , 2017 , 48, 650-659	1.9	52
72	Personality-dependent differences in problem-solving performance in a social context reflect foraging strategies. <i>Behavioural Processes</i> , 2017 , 134, 95-102	1.6	12
71	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. <i>Frontiers in Genetics</i> , 2017 , 8, 102	4.5	24
70	Effects of experimentally sustained elevated testosterone on incubation behaviour and reproductive success in female great tits (Parus major). <i>General and Comparative Endocrinology</i> , 2016 , 230-231, 38-47	3	12
69	Gene and transposable element methylation in great tit (Parus major) brain and blood. <i>BMC Genomics</i> , 2016 , 17, 332	4.5	35
68	Evolutionary signals of selection on cognition from the great tit genome and methylome. <i>Nature Communications</i> , 2016 , 7, 10474	17.4	125
67	To sing or not to sing: seasonal changes in singing vary with personality in wild great tits. <i>Behavioral Ecology</i> , 2016 , 27, 932-938	2.3	14
66	Dose-dependent responses of avian daily rhythms to artificial light at night. <i>Physiology and Behavior</i> , 2016 , 155, 172-9	3.5	105
65	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. <i>Biological Journal of the Linnean Society</i> , 2016 , 118, 668-685	1.9	13

64	Dominance rank and boldness predict social attraction in great tits. <i>Behavioral Ecology</i> , 2016 , arw158	2.3	4
63	Bolder Takes All and the Role of Epigenetics. A Comment on Canestrelli et al. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 498-499	10.9	5
62	Evidence from pyrosequencing indicates that natural variation in animal personality is associated with DRD4 DNA methylation. <i>Molecular Ecology</i> , 2016 , 25, 1801-11	5.7	48
61	Dawn song predicts behaviour during territory conflicts in personality-typed great tits. <i>Animal Behaviour</i> , 2015 , 109, 45-52	2.8	18
60	Replicated analysis of the genetic architecture of quantitative traits in two wild great tit populations. <i>Molecular Ecology</i> , 2015 , 24, 6148-62	5.7	48
59	Parental food provisioning is related to nestling stress response in wild great tit nestlings: implications for the development of personality. <i>Frontiers in Zoology</i> , 2015 , 12, S10	2.8	19
58	Costs of sleeping in: circadian rhythms influence cuckoldry risk in a songbird. <i>Functional Ecology</i> , 2015 , 29, 1300-1307	5.6	29
57	Song trait similarity in great tits varies with social structure. <i>PLoS ONE</i> , 2015 , 10, e0116881	3.7	15
56	Gender and Personality Differences in Response to Social Stressors in Great Tits (<i>Parus major</i>). <i>PLoS ONE</i> , 2015 , 10, e0127984	3.7	11
55	Social networking in territorial great tits: slow explorers have the least central social network positions. <i>Animal Behaviour</i> , 2014 , 98, 95-102	2.8	54
54	Becoming more like your mate: hormonal similarity reduces divorce rates in a wild songbird. <i>Animal Behaviour</i> , 2014 , 98, 87-93	2.8	24
53	Baseline and stress-induced glucocorticoid concentrations are not repeatable but covary within individual great tits (<i>Parus major</i>). <i>General and Comparative Endocrinology</i> , 2014 , 208, 154-63	3	52
52	Mate preference of female blue tits varies with experimental photoperiod. <i>PLoS ONE</i> , 2014 , 9, e92527	3.7	10
51	Replicated high-density genetic maps of two great tit populations reveal fine-scale genomic departures from sex-equal recombination rates. <i>Heredity</i> , 2014 , 112, 307-16	3.6	37
50	Are the specialized bird ticks, <i>Ixodes arboricola</i> and <i>I. frontalis</i> , competent vectors for <i>Borrelia burgdorferi</i> sensu lato?. <i>Environmental Microbiology</i> , 2014 , 16, 1081-9	5.2	25
49	GAPDH as a Control Gene to Estimate Genome Copy Number in Great Tits, with Cross-Amplification in Blue Tits. <i>Ardea</i> , 2013 , 101, 49-54	0.9	12
48	Initial reactivity and magnitude of the acute stress response associated with personality in wild great tits (<i>Parus major</i>). <i>General and Comparative Endocrinology</i> , 2013 , 189, 96-104	3	59
47	Haplotype structure, adaptive history and associations with exploratory behaviour of the DRD4 gene region in four great tit (<i>Parus major</i>) populations. <i>Molecular Ecology</i> , 2013 , 22, 2797-809	5.7	29

46	Noise annoys: effects of noise on breeding great tits depend on personality but not on noise characteristics. <i>Animal Behaviour</i> , 2013 , 85, 949-956	2.8	42
45	The design and cross-population application of a genome-wide SNP chip for the great tit <i>Parus major</i> . <i>Molecular Ecology Resources</i> , 2012 , 12, 753-70	8.4	46
44	Corticosterone responses differ between lines of great tits (<i>Parus major</i>) selected for divergent personalities. <i>General and Comparative Endocrinology</i> , 2012 , 175, 488-94	3	94
43	Volume of the Cloacal Protuberance as an Indication of Reproductive State in Male Blue Tits <i>Cyanistes caeruleus</i> . <i>Ardea</i> , 2012 , 100, 202-205	0.9	6
42	Worms under cover: relationships between performance in learning tasks and personality in great tits (<i>Parus major</i>). <i>Animal Cognition</i> , 2012 , 15, 763-70	3.1	54
41	Boldness affects foraging decisions in barnacle geese: an experimental approach. <i>Behavioral Ecology</i> , 2012 , 23, 1155-1161	2.3	22
40	Song Amplitude of Rival Males Modulates the Territorial Behaviour of Great Tits During the Fertile Period of Their Mates. <i>Ethology</i> , 2012 , 118, 197-202	1.7	17
39	Personality affects learning performance in difficult tasks in a sex-dependent way. <i>Animal Behaviour</i> , 2012 , 83, 723-730	2.8	94
38	Toward a Basis for the Phenotypic Gambit: Advances in the Evolutionary Genetics of Animal Personality. <i>Primate Monographs</i> , 2011 , 165-183	0.3	14
37	Correlated response to selection of testosterone levels and immunocompetence in lines selected for avian personality. <i>Animal Behaviour</i> , 2011 , 81, 1055-1061	2.8	53
36	Smelling Out Predators is Innate in Birds. <i>Ardea</i> , 2011 , 99, 177-184	0.9	52
35	Effects of social conditions during early development on stress response and personality traits in great tits (<i>Parus major</i>). <i>Developmental Psychobiology</i> , 2011 , 53, 592-600	3	38
34	Genome-wide SNP detection in the great tit <i>Parus major</i> using high throughput sequencing. <i>Molecular Ecology</i> , 2010 , 19 Suppl 1, 89-99	5.7	71
33	Association between DRD4 gene polymorphism and personality variation in great tits: a test across four wild populations. <i>Molecular Ecology</i> , 2010 , 19, 832-43	5.7	133
32	Personality predicts the use of social information. <i>Ecology Letters</i> , 2010 , 13, 829-37	10	119
31	Singing Activity Reveals Personality Traits in Great Tits. <i>Ethology</i> , 2010 , 116, no-no	1.7	4
30	Evolutionary genomics of animal personality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 3991-4000	5.8	91
29	The effect of personality on social foraging: shy barnacle geese scrounge more. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 601-8	4.4	181

28	Passerine extrapair mating dynamics: a bayesian modeling approach comparing four species. <i>American Naturalist</i> , 2010 , 176, 178-87	3.7	24
27	Black Terns <i>Chlidonias niger</i> and Their Dietary Problems in Dutch Wetlands. <i>Ardea</i> , 2010 , 98, 365-372	0.9	3
26	Phenology, seasonal timing and circannual rhythms: towards a unified framework. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 3113-27	5.8	215
25	Reduced blood parasite prevalence with age in the Seychelles Warbler: selective mortality or suppression of infection?. <i>Journal of Ornithology</i> , 2010 , 151, 69-77	1.5	39
24	Experimental nest site limitation affects reproductive strategies and parental investment in a hole-nesting passerine. <i>Animal Behaviour</i> , 2009 , 77, 1075-1083	2.8	17
23	Personality differences explain leadership in barnacle geese. <i>Animal Behaviour</i> , 2009 , 78, 447-453	2.8	134
22	Handling Stress as a Measurement of Personality in Great Tit Nestlings (<i>Parus major</i>). <i>Ethology</i> , 2009 , 115, 366-374	1.7	72
21	Personality is associated with extrapair paternity in great tits, <i>Parus major</i> . <i>Animal Behaviour</i> , 2008 , 76, 555-563	2.8	129
20	Long-term effects of repeated handling and bleeding in wild caught Great Tits <i>Parus major</i> . <i>Journal Fur Ornithologie</i> , 2007 , 148, 185-190		23
19	<i>Drd4</i> gene polymorphisms are associated with personality variation in a passerine bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 1685-91	4.4	140
18	Context dependence of personalities: risk-taking behavior in a social and a nonsocial situation. <i>Behavioral Ecology</i> , 2005 , 16, 716-723	2.3	180
17	Contribution of genetics to the study of animal personalities: a review of case studies. <i>Behaviour</i> , 2005 , 142, 1185-1206	1.4	287
16	Realized heritability and repeatability of risk-taking behaviour in relation to avian personalities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 65-73	4.4	306
15	Central assumptions of predator-prey models fail in a semi-natural experimental system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271 Suppl 3, S85-7	4.4	21
14	Additive and nonadditive genetic variation in avian personality traits. <i>Heredity</i> , 2004 , 93, 496-503	3.6	95
13	A genetic analysis of avian personality traits: correlated, response to artificial selection. <i>Behavior Genetics</i> , 2004 , 34, 611-9	3.2	104
12	Shy and bold great tits (<i>Parus major</i>): body temperature and breath rate in response to handling stress. <i>Physiology and Behavior</i> , 2004 , 82, 905-12	3.5	98
11	Realized heritability of personalities in the great tit (<i>Parus major</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 45-51	4.4	423

10	Anthelmintic treatment negatively affects chick survival in the Eurasian Oystercatcher <i>Haematopus ostralegus</i> . <i>Ibis</i> , 2002 , 144, 509-517	1.9	11
9	Repeatability and heritability of exploratory behaviour in great tits from the wild. <i>Animal Behaviour</i> , 2002 , 64, 929-938	2.8	573
8	Avian Personality66-95		23
7	Quantitative and Molecular Genetics of Animal Personality148-200		14
6	Epigenetic mediation of the onset of reproduction in a songbird		1
5	epiGBS2: an improved protocol and automated snakemake workflow for highly multiplexed reduced representation bisulfite sequencing		3
4	Does arsenic contamination affect DNA methylation patterns in a wild bird population? An experimental approach		1
3	Artificial light at night leads to circadian disruption in a songbird: integrated evidence from behavioural, genomic and metabolomic data		1
2	The great tit HapMap project: a continental-scale analysis of genomic variation in a songbird		6
1	The effect of experimental lead pollution on DNA methylation in a wild bird population		2