Jacob HÃ¶Glund Rauno

List of Publications by Year
in descending order

134 papers	6,558 citations	87888 38 h-index	85541 71 g-index
142 all docs	142 docs citations	142 times ranked	6457 citing authors

#	Article	IF	Citations
1	Genomics and the challenging translation into conservation practice. Trends in Ecology and Evolution, 2015, 30, 78-87.	8.7	469
2	Leks. , 1995, , .		450
3	Recent Asian origin of chytrid fungi causing global amphibian declines. Science, 2018, 360, 621-627.	12.6	389
4	Structural genomic changes underlie alternative reproductive strategies in the ruff (Philomachus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	21.4	340
5	Copying and sexual selection. Trends in Ecology and Evolution, 1992, 7, 229-232.	8.7	201
6	Patterns of variation in tail ornament size in birds. Biological Journal of the Linnean Society, 1988, 34, 363-374.	1.6	187
7	Evolution of black grouse leks: female preferences benefit males in larger leks. Behavioral Ecology, 1992, 3, 53-59.	2.2	164
8	Lekking in the black grouseâ€" a test of male viability. Nature, 1991, 352, 155-156.	27.8	152
9	How and why should we implement genomics into conservation?. Evolutionary Applications, 2014, 7, 999-1007.	3.1	152
10	Spatial pattern of MHC class II variation in the great snipe (Gallinago media). Molecular Ecology, 2007, 16, 1439-1451.	3.9	149
11	Size and Plumage Dimorphism in Lek-Breeding Birds: A Comparative Analysis. American Naturalist, 1989, 134, 72-87.	2.1	142
12	From connectivity to isolation: genetic consequences of population fragmentation in capercaillie across Europe. Molecular Ecology, 2003, 12, 1773-1780.	3.9	142
13	The era of reference genomes in conservation genomics. Trends in Ecology and Evolution, 2022, 37, 197-202.	8.7	138
14	Inbreeding depression and male fitness in black grouse. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 711-715.	2.6	125
15	Sexual selection in a monomorphic lek-breeding bird: correlates of male mating success in the great snipe Gallinago media. Behavioral Ecology and Sociobiology, 1987, 21, 211-216.	1.4	119
16	Mate-choice copying in black grouse. Animal Behaviour, 1995, 49, 1627-1633.	1.9	114
17	Major histocompatibility complex variation and mate choice in a lekking bird, the great snipe (Gallinago media). Molecular Ecology, 2004, 13, 3821-3828.	3.9	110
18	Fine-scale genetic structuring on Manacus manacus leks. Nature, 2000, 408, 352-353.	27.8	102

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19	Inferring local adaptation from QST?FSTcomparisons: neutral genetic and quantitative trait variation in European populations of great snipe. Journal of Evolutionary Biology, 2007, 20, 1563-1576.	1.7	89
20	Females of the lek-breeding great snipe, Gallinago media, prefer males with white tails. Animal Behaviour, 1990, 40, 23-32.	1.9	88
21	Polymorphic microsatellite DNA markers in black grouse (Tetrao tetrix). Molecular Ecology Notes, 2001, 1, 303-304.	1.7	80
22	Nonâ€gradual variation in colour morphs of the strawberry poison frog Dendrobates pumilio: genetic and geographical isolation suggest a role for selection in maintaining polymorphism. Molecular Ecology, 2007, 16, 4284-4294.	3.9	70
23	Mate sampling behaviour of black grouse females (Tetrao tetrix). Behavioral Ecology and Sociobiology, 1995, 37, 209-215.	1.4	69
24	Costs and consequences of variation in the size of ruff leks. Behavioral Ecology and Sociobiology, 1993, 32, 31.	1.4	68
25	Female preferences, male decision rules and the evolution of leks in the great snipe Gallinago media. Animal Behaviour, 1990, 40, 15-22.	1.9	66
26	Historical Biogeography and a Mitochondrial DNA Phylogeny of Grouse and Ptarmigan. Molecular Phylogenetics and Evolution, 2001, 20, 149-162.	2.7	66
27	Population structure of flounder (Platichthys flesus) in the Baltic Sea: differences among demersal and pelagic spawners. Heredity, 2008, 101, 27-38.	2.6	61
28	Pairing and spawning patterns in the common toad, Bufo bufo: the effects of sex ratios and the time available for male-male competition. Animal Behaviour, 1989, 38, 423-429.	1.9	60
29	The effects of parasites on male ornaments and female choice in the lek-breeding black grouse (Tetrao) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	60
30	Copying the Mate Choice of Others? Observations On Female Black Grouse. Behaviour, 1990, 114, 221-231.	0.8	59
31	Paternity, copulation disturbance and female choice in lekking black grouse. Animal Behaviour, 1996, 52, 861-873.	1.9	56
32	Can balancing selection on MHC loci counteract genetic drift in small fragmented populations of black grouse?. Ecology and Evolution, 2012, 2, 341-353.	1.9	56
33	The Mhc class II of the Black grouse (Tetrao tetrix) consists of low numbers of B and Y genes with variable diversity and expression. Immunogenetics, 2007, 59, 725-734.	2.4	54
34	Spacing of leks in relation to female home ranges, habitat requirements and male attractiveness in the great snipe (Gallinago media). Behavioral Ecology and Sociobiology, 1990, 26, 173.	1.4	49
35	Looking into the past â€“ the reaction of three grouse species to climate change over the last million years using whole genome sequences. Molecular Ecology, 2016, 25, 570-580.	3.9	49
36	Absence of population structure of turbot (Psetta maxima) in the Baltic Sea. Molecular Ecology, 2006, 16, 115-126.	3.9	48

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37	Egg predation in forest bird communities on islands and mainland. Oecologia, 1985, 66, 511-515.	2.0	45
38	Patterns of polymorphism in the MHC classÂII of a non-passerine bird, the great snipe (Gallinago media). Immunogenetics, 2003, 54, 734-741.	2.4	45
39	Behaviourally mediated sexual selection: characteristics of successful male black grouse. Animal Behaviour, 1997, 54, 255-264.	1.9	44
40	Chorusing Behaviour, a Densityâ€dependent Alternative Mating Strategy in Male Common Toads (Bufo bufo). Ethology, 1988, 79, 324-332.	1.1	42
41	Genetic impoverishment of the last black grouse (Tetrao tetrix) population in the Netherlands: detectable only with a reference from the past. Molecular Ecology, 2008, 17, 1897-1904.	3.9	38
42	Whole genome sequencing of the black grouse (Tetrao tetrix): reference guided assembly suggests faster-Z and MHC evolution. BMC Genomics, 2014, 15, 180.	2.8	36
43	Random mating by size in a population of common toads (Bufo bufo). Amphibia - Reptilia, 1987, 8, 321-330.	0.5	35
44	Sexual selection in common toads: correlates with age and body size. Journal of Evolutionary Biology, 1989, 2, 367-372.	1.7	35
45	Male territoriality and female choice on black grouse leks. Animal Behaviour, 1995, 49, 759-767.	1.9	35
46	Drift, selection, or migration? Processes affecting genetic differentiation and variation along a latitudinal gradient in an amphibian. BMC Evolutionary Biology, 2017, 17, 189.	3.2	35
47	Assortative mating and female clutch investment in black grouse. Animal Behaviour, 1998, 56, 1399-1403.	1.9	34
48	Direct and Indirect Mate Choice on Leks. American Naturalist, 2005, 166, 145-157.	2.1	33
49	Local genetic structure in a whiteâ€bearded manakin population. Molecular Ecology, 2003, 12, 2457-2463.	3.9	31
50	Latitudinal divergence in a widespread amphibian: Contrasting patterns of neutral and adaptive genomic variation. Molecular Ecology, 2019, 28, 2996-3011.	3.9	30
51	Does Lekking Promote the Evolution of Male-Biased Size Dimorphism in Birds? On the Use of Comparative Approaches. American Naturalist, 1994, 144, 881-889.	2.1	29
52	Context-dependent effects of tail-ornament damage on mating success in black grouse. Behavioral Ecology, 1994, 5, 182-187.	2.2	29
53	Sequencing of the core MHC region of black grouse (Tetrao tetrix) and comparative genomics of the galliform MHC. BMC Genomics, 2012, 13, 553.	2.8	29
54	Genetic variability in European black grouse (Tetrao tetrix). Conservation Genetics, 2006, 8, 239-243.	1.5	27

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55	The interaction of multiple environmental stressors affects adaptation to a novel habitat in the natterjack toad Bufo calamita. Journal of Evolutionary Biology, 2009, 22, 2267-2277.	1.7	26
56	Transcriptome sequencing of black grouse (Tetrao tetrix) for immune gene discovery and microsatellite development. Open Biology, 2012, 2, 120054.	3.6	26
57	Range shifts or extinction? Ancient <scp>DNA</scp> and distribution modelling reveal past and future responses to climate warming in coldâ€adapted birds. Global Change Biology, 2017, 23, 1425-1435.	9.5	25
58	Delayed breeding and the evolution of mate copying in lekking species. Journal of Theoretical Biology, 1995, 174, 261-267.	1.7	24
59	Reply to Garner et al.. Trends in Ecology and Evolution, 2016, 31, 83-84.	8.7	24
60	Development and worldwide use of non-lethal, and minimal population-level impact, protocols for the isolation of amphibian chytrid fungi. Scientific Reports, 2018, 8, 7772.	3.3	24
61	Endless forms of sexual selection. PeerJ, 2019, 7, e7988.	2.0	24
62	A Non-Lekking Population of Black Grouse Tetrao tetrix. Journal of Avian Biology, 1997, 28, 184.	1.2	23
63	Phylogeography of the Black-tailed Godwit Limosa limosa: substructuring revealed by mtDNA control region sequences. Journal of Ornithology, 2009, 150, 45-53.	1.1	23
64	Genetic structure among black grouse in Britain: implications for designing conservation units. Animal Conservation, 2011, 14, 400-408.	2.9	22
65	Effects of host species and environmental factors on the prevalence of Batrachochytrium dendrobatidis in northern Europe. PLoS ONE, 2018, 13, e0199852.	2.5	22
66	Sexual Dimorphism in the Lekking Great Snipe. Ornis Scandinavica, 1990, 21, 1.	1.0	21
67	Analyses of historical and current populations of black grouse in Central Europe reveal strong effects of genetic drift and loss of genetic diversity. Conservation Genetics, 2014, 15, 1183-1195.	1.5	21
68	Genetic differentiation of western capercaillie in the Carpathian Mountains: the importance of post glacial expansions and habitat connectivity. Biological Journal of the Linnean Society, 2015, 116, 873-889.	1.6	21
69	Past and potential future population dynamics of three grouse species using ecological and whole genome coalescent modeling. Ecology and Evolution, 2018, 8, 6671-6681.	1.9	20
70	Characterization of microsatellite DNA markers in the white-bearded manakin (Manacus manacus). Molecular Ecology Notes, 2002, 2, 504-505.	1.7	19
71	Kin groups in closely spaced capercaillie leks. Journal of Ornithology, 2007, 148, 79-84.	1.1	19
72	Inference of hazel grouse population structure using multilocus data: a landscape genetic approach. Heredity, 2008, 101, 475-482.	2.6	19

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73	Balancing selection, sexual selection and geographic structure in MHC genes of Great Snipe. Genetica, 2010, 138, 453-461.	1.1	19
74	Considering landscape connectivity and gene flow in the Anthropocene using complementary landscape genetics and habitat modelling approaches. Landscape Ecology, 2019, 34, 521-536.	4.2	19
75	Population fluctuations and regulation in great snipe: a time-series analysis. Journal of Animal Ecology, 2007, 76, 740-749.	2.8	18
76	Adaptive and neutral genetic differentiation among Scottish and endangered Irish red grouse (Lagopus lagopus scotica). Conservation Genetics, 2016, 17, 615-630.	1.5	18
77	Sequence Polymorphism in Candidate Genes for Differences in Winter Plumage between Scottish and Scandinavian Willow Grouse (Lagopus lagopus). PLoS ONE, 2010, 5, e10334.	2.5	18
78	Genetic divergence in the superspecies Manacus. Biological Journal of the Linnean Society, 2004, 81, 439-447.	1.6	17
79	Population differentiation in the redshank (Tringa totanus) as revealed by mitochondrial DNA and amplified fragment length polymorphism markers. Conservation Genetics, 2005, 6, 321-331.	1.5	17
80	Islands in the ice: colonisation routes for rock ptarmigan to the Svalbard archipelago. Ecography, 2009, 32, 840-848.	4.5	17
81	Genetic diversity and differentiation among Lagopus lagopus populations in Scandinavia and Scotland: evolutionary significant units confirmed by SNP markers. Molecular Ecology, 2010, 19, 2380-2393.	3.9	17
82	Fluctuating asymmetry and copulation success in lekking black grouse. Animal Behaviour, 1997, 54, 265-269.	1.9	16
83	Amplification success of multilocus genotypes from feathers found in the field compared with feathers obtained from shot birds. Ibis, 2012, 154, 15-20.	1.9	16
84	Evolutionary history of black grouse major histocompatibility complex class IIB genes revealed through single locus sequence-based genotyping. BMC Genetics, 2013, 14, 29.	2.7	16
85	Genetic variation and structure in Scandinavian red deer (Cervus elaphus): influence of ancestry, past hunting, and restoration management. Biological Journal of the Linnean Society, 2013, 109, 43-53.	1.6	16
86	Postâ€glacial colonization routes coincide with a lifeâ€history breakpoint along a latitudinal gradient. Journal of Evolutionary Biology, 2019, 32, 356-368.	1.7	16
87	Demographic history and divergence of sibling grouse species inferred from whole genome sequencing reveal past effects of climate change. Bmc Ecology and Evolution, 2021, 21, 194.	1.6	16
88	Detecting hybridization between willow grouse (Lagopus lagopus) and rock ptarmigan (L. muta) in Central Sweden through Bayesian admixture analyses and mtDNA screening. Conservation Genetics, 2010, 11, 557-569.	1.5	15
89	A multilocus assay reveals high nucleotide diversity and limited differentiation among Scandinavian willow grouse (Lagopus lagopus). BMC Genetics, 2008, 9, 89.	2.7	14
90	The effects of selection, drift and genetic variation on life-history trait divergence among insular populations of natterjack toad, Bufo calamita. Molecular Ecology, 2010, 19, 2229-2240.	3.9	14

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91	Maintenance of gene flow by female-biased dispersal of Black Grouse Tetrao tetrix in northern Sweden. Journal of Ornithology, 2012, 153, 1127-1139.	1.1	14
92	Ecology and mating competition influence sexual dimorphism in Tanganyikan cichlids. Evolutionary Ecology, 2012, 26, 171-185.	1.2	14
93	Phylogeography of willow grouse (Lagopus lagopus) in the Arctic: taxonomic discordance as inferred from molecular data. Biological Journal of the Linnean Society, 2013, 110, 77-90.	1.6	14
94	Limited indirect fitness benefits of male group membership in a lekking species. Molecular Ecology, 2014, 23, 5356-5365.	3.9	14
95	Phylogeography and subspecies status of Black Grouse. Journal of Ornithology, 2014, 155, 13-25.	1.1	14
96	Food supply and breeding occurrences: the West European population of the lekking great snipe Gallinago media (Latham, 1787) (Aves). Journal of Biogeography, 1997, 24, 213-221.	3.0	13
97	Genetic structure in peripheral populations of the natterjack toad, Bufo calamita, as revealed by AFLP. Conservation Genetics, 2010, 11, 173-181.	1.5	13
98	Female choice and male humoral immune response in the lekking great snipe (Gallinago media). Behavioral Ecology, 2005, 16, 346-351.	2.2	12
99	Genotyping of black grouse MHC class II B using reference Strand-Mediated Conformational Analysis (RSCA). BMC Research Notes, 2011, 4, 183.	1.4	11
100	The effects of drift and selection on latitudinal genetic variation in Scandinavian common toads (Bufo bufo) following postglacial recolonisation. Heredity, 2021, 126, 656-667.	2.6	11
101	Nesting holes and food supply in relation to forest bird densities on islands and mainland. Oecologia, 1985, 66, 516-521.	2.0	10
102	Six polymorphic microsatellite loci in the Natterjack toad, Bufo calamita. Molecular Ecology Notes, 2005, 5, 639-640.	1.7	10
103	Low MHC variation in isolated island populations of the Natterjack toad (Bufo calamita). Conservation Genetics, 2015, 16, 1007-1010.	1.5	10
104	Genetic variation in Black Grouse populations with different lekking systems in the Czech Republic. Journal of Ornithology, 2011, 152, 37-44.	1.1	9
105	King or royal family? Testing for species boundaries in the King Cobra, Ophiophagus hannah (Cantor,) Tj ETQq1 1 0.784314 rgBT /Ove 165, 107300.	2.7	9
106	Fitness costs associated with low genetic variation are reduced in a harsher environment in amphibian island populations. Conservation Genetics, 2010, 11, 489-496.	1.5	8
107	Genetic variation among endangered Irish red grouse (Lagopus lagopus hibernicus) populations: implications for conservation and management. Conservation Genetics, 2012, 13, 639-647.	1.5	8
108	Blood transcriptomes and de novo identification of candidate loci for mating success in lekking great snipe (Gallinago media). Molecular Ecology, 2017, 26, 3458-3471.	3.9	8

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109	Genomic regions of speciation and adaptation among three species of grouse. Scientific Reports, 2019, 9, 812.	3.3	8
110	Whole genome sequencing reveals high differentiation, low levels of genetic diversity and short runs of homozygosity among Swedish wels catfish. Heredity, 2021, 127, 79-91.	2.6	8
111	Occurrence of Batrachochytrium dendrobatidis in Sweden: higher infection prevalence in southern species. Diseases of Aquatic Organisms, 2020, 140, 209-218.	1.0	8
112	Ecological genomics and conservation: where do we stand?. Genetica, 2009, 136, 387-390.	1.1	7
113	Mate sampling behaviour of black grouse females (Tetrao tetrix). Behavioral Ecology and Sociobiology, 1995, 37, 209-215.	1.4	7
114	Effects of a range expansion on adaptive and neutral genetic diversity in dispersal limited Hazel grouse (Bonasa bonasia) in the French Alps. Conservation Genetics, 2016, 17, 401-412.	1.5	6
115	Genome assembly of the common pheasant Phasianus colchicus, a model for speciation and ecological genomics. Genome Biology and Evolution, 2019, 11, 3326-3331.	2.5	6
116	Antimicrobial peptide and sequence variation along a latitudinal gradient in two anurans. BMC Genetics, 2020, 21, 38.	2.7	6
117	Major Histocompatibility Complex Variation and Haplotype Associated Survival in Response to Experimental Infection of Two Bd-GPL Strains Along a Latitudinal Gradient. Frontiers in Ecology and Evolution, 0, 10, .	2.2	6
118	Trends and population dynamics of a Velvet Scoter (Melanitta fusca) population: influence of density dependence and winter climate. Journal of Ornithology, 2013, 154, 837-847.	1.1	5
119	Ukrainian Black Grouse Tetrao tetrix: Genetic Diversity and Population Structure. Wildlife Biology, 2015, 21, 283-293.	1.4	5
120	Genetic basis of amphibian larval development along a latitudinal gradient: Gene diversity, selection and links with phenotypic variation in transcription factor C/EBPâ€1. Molecular Ecology, 2019, 28, 2786-2801.	3.9	5
121	Population Genomics and Wildlife Adaptation in the Face of Climate Change. Population Genomics, 2019, , 333-355.	0.5	5
122	Hybridization and low numbers in isolated populations of the natterjack, Bufo calamita, and the green toad, B. viridis, in southern Sweden: possible conservation problems. Amphibia - Reptilia, 1991, 12, 267-281.	0.5	4
123	Low neutral and immunogenetic diversity in northern fringe populations of the green toad Bufotes viridis: implications for conservation. Conservation Genetics, 2022, 23, 139-149.	1.5	4
124	Hazel grouse Bonasa bonasia population dynamics in a fragmented landscape: a metapopulation approach. Wildlife Biology, 2010, 16, 35-46.	1.4	3
125	Genomic analysis of demographic history and ecological niche modeling in the endangered Chinese Grouse Tetrastes sewerzowi. BMC Genomics, 2020, 21, 581.	2.8	3
126	High variation in last male sperm precedence and genital morphology in the emerald damselfly, Lestes sponsa. Biological Journal of the Linnean Society, 2020, 130, 497-506.	1.6	3

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127	Small-scale population divergence is driven by local larval environment in a temperate amphibian. Heredity, 2021, 126, 279-292.	2.6	3
128	Phylogeography and larval spine length of the dragonfly Leucorhinia dubia in Europe. PLoS ONE, 2017, 12, e0184596.	2.5	2
129	Microsatellite variation in a Chinese grouseBonasa sewerzowipopulation: signs of genetic impoverishment?. Wildlife Biology, 2003, 9, 261-266.	1.4	2
130	Conservation genomics of sibling grouse in boreal forests reveals introgression and adaptive population differentiation in genes controlling epigenetic variation. Zoological Research, 2022, 43, 184-187.	2.1	2
131	A hybrid snipe Gallinago gallinagoÂÃ—ÂG. media found in the wild. Journal of Ornithology, 2015, 156, 819-827.	1.1	0
132	Genetic differentiation in Sichuan jay (Perisoreus internigrans) and its sibling species Siberian jay (P.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	0
133	Lekking. , 2021, , 4525-4527.		0
134	MATING SYSTEMS AND MORPHOLOGY: WHAT CAN PHYLOGENIES TELL US ABOUT THE EVOLUTION OF SEXUAL DIMORPHISM IN LEKKING BIRDS?. , 2000, , .		0