

Josephine M Pemberton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2430339/publications.pdf>

Version: 2024-02-01

182
papers

17,254
citations

15504

65
h-index

16183

124
g-index

204
all docs

204
docs citations

204
times ranked

13266
citing authors

#	ARTICLE	IF	CITATIONS
1	Age, Sex, Density, Winter Weather, and Population Crashes in Soay Sheep. <i>Science</i> , 2001, 292, 1528-1531.	12.6	820
2	Phenological sensitivity to climate across taxa and trophic levels. <i>Nature</i> , 2016, 535, 241-245.	27.8	705
3	Nonamplifying alleles at microsatellite loci: a caution for parentage and population studies. <i>Molecular Ecology</i> , 1995, 4, 249-252.	3.9	684
4	Noise and determinism in synchronized sheep dynamics. <i>Nature</i> , 1998, 394, 674-677.	27.8	498
5	PARASITE-MEDIATED SELECTION AGAINST INBRED SOAY SHEEP IN A FREE-LIVING ISLAND POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 1259-1267.	2.3	466
6	ANTLER SIZE IN RED DEER: HERITABILITY AND SELECTION BUT NO EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1683-1695.	2.3	445
7	Heritability of fitness in a wild mammal population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 698-703.	7.1	443
8	A microsatellite polymorphism in the gamma interferon gene is associated with resistance to gastrointestinal nematodes in a naturally-parasitized population of Soay sheep. <i>Parasitology</i> , 2001, 122, 571-582.	1.5	431
9	Major histocompatibility complex variation associated with juvenile survival and parasite resistance in a large unmanaged ungulate population (<i>Ovis aries</i> L.). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3714-3719.	7.1	408
10	Microsatellites reveal heterosis in red deer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 489-495.	2.6	351
11	Population density affects sex ratio variation in red deer. <i>Nature</i> , 1999, 399, 459-461.	27.8	343
12	Dominant rams lose out by sperm depletion. <i>Nature</i> , 2001, 409, 681-682.	27.8	342
13	Sexually antagonistic genetic variation for fitness in red deer. <i>Nature</i> , 2007, 447, 1107-1110.	27.8	336
14	Wild pedigrees: the way forward. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 613-621.	2.6	308
15	Life history trade-offs at a single locus maintain sexually selected genetic variation. <i>Nature</i> , 2013, 502, 93-95.	27.8	296
16	A retrospective assessment of the accuracy of the paternity inference program cervus. <i>Molecular Ecology</i> , 2000, 9, 801-808.	3.9	282
17	Overt and covert competition in a promiscuous mammal: the importance of weaponry and testes size to male reproductive success. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 633-640.	2.6	278
18	The Dynamics of Phenotypic Change and the Shrinking Sheep of St. Kilda. <i>Science</i> , 2009, 325, 464-467.	12.6	271

#	ARTICLE	IF	CITATIONS
19	Performance of Marker-Based Relatedness Estimators in Natural Populations of Outbred Vertebrates. <i>Genetics</i> , 2006, 173, 2091-2101.	2.9	250
20	Genome-wide association mapping identifies the genetic basis of discrete and quantitative variation in sexual weaponry in a wild sheep population. <i>Molecular Ecology</i> , 2011, 20, 2555-2566.	3.9	217
21	Environmental Coupling of Selection and Heritability Limits Evolution. <i>PLoS Biology</i> , 2006, 4, e216.	5.6	217
22	Introgression Through Rare Hybridization: A Genetic Study of a Hybrid Zone Between Red and Sika Deer (Genus <i>Cervus</i>) in Argyll, Scotland. <i>Genetics</i> , 1999, 152, 355-371.	2.9	210
23	Inbreeding depression across the lifespan in a wild mammal population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3585-3590.	7.1	208
24	Measuring inbreeding depression in the wild: the old ways are the best. <i>Trends in Ecology and Evolution</i> , 2004, 19, 613-615.	8.7	200
25	Estimating quantitative genetic parameters in wild populations: a comparison of pedigree and genomic approaches. <i>Molecular Ecology</i> , 2014, 23, 3434-3451.	3.9	199
26	The Evolutionary Demography of Ecological Change: Linking Trait Variation and Population Growth. <i>Science</i> , 2007, 315, 1571-1574.	12.6	196
27	Landscape features affect gene flow of Scottish Highland red deer (<i>Cervus elaphus</i>). <i>Molecular Ecology</i> , 2008, 17, 981-996.	3.9	182
28	Fitness Correlates of Heritable Variation in Antibody Responsiveness in a Wild Mammal. <i>Science</i> , 2010, 330, 662-665.	12.6	182
29	Inbreeding avoidance, tolerance, or preference in animals?. <i>Trends in Ecology and Evolution</i> , 2013, 28, 205-211.	8.7	176
30	Maternal genetic effects set the potential for evolution in a free-living vertebrate population. <i>Journal of Evolutionary Biology</i> , 2004, 18, 405-414.	1.7	169
31	Life history correlates of oxidative damage in a free-living mammal population. <i>Functional Ecology</i> , 2009, 23, 809-817.	3.6	169
32	Comparing molecular measures for detecting inbreeding depression. <i>Journal of Evolutionary Biology</i> , 2002, 15, 20-31.	1.7	160
33	Inter- and Intrasexual Variation in Aging Patterns across Reproductive Traits in a Wild Red Deer Population. <i>American Naturalist</i> , 2009, 174, 342-357.	2.1	156
34	Conserved Genetic Architecture Underlying Individual Recombination Rate Variation in a Wild Population of Soay Sheep (<i>Ovis aries</i>). <i>Genetics</i> , 2016, 203, 583-598.	2.9	144
35	POSITIVE GENETIC CORRELATION BETWEEN PARASITE RESISTANCE AND BODY SIZE IN A FREE-LIVING UNGULATE POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2116-2125.	2.3	143
36	Predictors of reproductive cost in female Soay sheep. <i>Journal of Animal Ecology</i> , 2005, 74, 201-213.	2.8	139

#	ARTICLE	IF	CITATIONS
37	Repeated selection of morphometric traits in the Soay sheep on St Kilda. <i>Journal of Animal Ecology</i> , 1999, 68, 472-488.	2.8	134
38	THE DEMOGRAPHIC CONSEQUENCES OF RELEASING A POPULATION OF RED DEER FROM CULLING. <i>Ecology</i> , 2004, 85, 411-422.	3.2	134
39	Advancing breeding phenology in response to environmental change in a wild red deer population. <i>Global Change Biology</i> , 2011, 17, 2455-2469.	9.5	132
40	Bovine microsatellite loci are highly conserved in red deer (<i>Cervus elaphus</i>), sika deer (<i>Cervus nippon</i>) and roe deer (<i>Capreolus capreolus</i>). <i>Molecular Ecology</i> , 2007, 16, 1077-1087.	1.7	130
41	Bottlenecks, drift and differentiation: the population structure and demographic history of sika deer (<i>Cervus nippon</i>) in the Japanese archipelago. <i>Molecular Ecology</i> , 2001, 10, 1357-1370.	3.9	127
42	Patterns of body mass senescence and selective disappearance differ among three species of free-living ungulates. <i>Ecology</i> , 2011, 92, 1936-1947.	3.2	124
43	No evidence for major histocompatibility complex-dependent mating patterns in a free-living ruminant population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1813-1819.	2.6	123
44	ESTIMATING SELECTION ON NEONATAL TRAITS IN RED DEER USING ELASTICITY PATH ANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2879-2892.	2.3	120
45	THE PREDICTION OF ADAPTIVE EVOLUTION: EMPIRICAL APPLICATION OF THE SECONDARY THEOREM OF SELECTION AND COMPARISON TO THE BREEDER'S EQUATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2399-2410.	2.3	119
46	Lifelong leukocyte telomere dynamics and survival in a free-living mammal. <i>Aging Cell</i> , 2016, 15, 140-148.	6.7	118
47	Parasite-associated polymorphism in a cyclic ungulate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 254, 7-13.	2.6	117
48	Compelling evidence that a single nucleotide substitution in TYRP1 is responsible for coat-colour polymorphism in a free-living population of Soay sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 619-626.	2.6	116
49	LIVE FAST, DIE YOUNG: TRADE-OFFS BETWEEN FITNESS COMPONENTS AND SEXUALLY ANTAGONISTIC SELECTION ON WEAPONRY IN SOAY SHEEP. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2168-2181.	2.3	114
50	Variable extent of hybridization between invasive sika (<i>Cervus nippon</i>) and native red deer (<i>C. C.</i>) in the Scottish Highlands. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1067-1077.	3.9	106
51	Detecting the True Extent of Introgression during Anthropogenic Hybridization. <i>Trends in Ecology and Evolution</i> , 2019, 34, 315-326.	8.7	105
52	Natural Selection on Individual Variation in Tolerance of Gastrointestinal Nematode Infection. <i>PLoS Biology</i> , 2014, 12, e1001917.	5.6	104
53	Environmental Heterogeneity Generates Fluctuating Selection on a Secondary Sexual Trait. <i>Current Biology</i> , 2008, 18, 751-757.	3.9	99
54	Comparing parentage inference software: reanalysis of a red deer pedigree. <i>Molecular Ecology</i> , 2010, 19, 1914-1928.	3.9	98

#	ARTICLE	IF	CITATIONS
55	Asynchrony of senescence among phenotypic traits in a wild mammal population. <i>Experimental Gerontology</i> , 2015, 71, 56-68.	2.8	92
56	Quantitative genetics of growth and cryptic evolution of body size in an island population. <i>Evolutionary Ecology</i> , 2007, 21, 337-356.	1.2	91
57	Quantitative trait loci (QTL) mapping of resistance to strongyles and coccidia in the free-living Soay sheep (<i>Ovis aries</i>). <i>International Journal for Parasitology</i> , 2007, 37, 121-129.	3.1	87
58	Reproductive senescence in female Soay sheep: variation across traits and contributions of individual ageing and selective disappearance. <i>Functional Ecology</i> , 2013, 27, 184-195.	3.6	82
59	Genomic analysis reveals depression due to both individual and maternal inbreeding in a free-living mammal population. <i>Molecular Ecology</i> , 2016, 25, 3152-3168.	3.9	79
60	Ageing in a variable habitat: environmental stress affects senescence in parasite resistance in St Kilda Soay sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3477-3485.	2.6	77
61	Density-dependent selection in a fluctuating ungulate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 31-38.	2.6	75
62	Heterogeneity of genetic architecture of body size traits in a free-living population. <i>Molecular Ecology</i> , 2015, 24, 1810-1830.	3.9	72
63	Heritable variation in resistance to gastro-intestinal nematodes in an unmanaged mammal population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1283-1290.	2.6	71
64	Gastrointestinal nematode species burdens and host mortality in a feral sheep population. <i>Parasitology</i> , 2006, 133, 485-496.	1.5	71
65	Inbreeding depression in red deer calves. <i>BMC Evolutionary Biology</i> , 2011, 11, 318.	3.2	69
66	SHARED SPATIAL EFFECTS ON QUANTITATIVE GENETIC PARAMETERS: ACCOUNTING FOR SPATIAL AUTOCORRELATION AND HOME RANGE OVERLAP REDUCES ESTIMATES OF HERITABILITY IN WILD RED DEER. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2411-2426.	2.3	69
67	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31969-31978.	7.1	69
68	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
69	SELECTION ON MOTHERS AND OFFSPRING: WHOSE PHENOTYPE IS IT AND DOES IT MATTER?. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 451-463.	2.3	68
70	Molecular analysis of a promiscuous, fluctuating mating system. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 289-301.	1.6	67
71	Male mate choice influences female promiscuity in Soay sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 365-373.	2.6	67
72	The use of marker-based relationship information to estimate the heritability of body weight in a natural population: a cautionary tale. <i>Journal of Evolutionary Biology</i> , 2002, 15, 92-99.	1.7	66

#	ARTICLE	IF	CITATIONS
73	The maintenance of genetic polymorphism in small island populations: large mammals in the Hebrides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1996, 351, 745-752.	4.0	65
74	A framework for power and sensitivity analyses for quantitative genetic studies of natural populations, and case studies in Soay sheep (<i>Ovis aries</i>). <i>Journal of Evolutionary Biology</i> , 2007, 20, 2309-2321.	1.7	62
75	Heterozygosity, inbreeding and neonatal traits in Soay sheep on St Kilda. <i>Molecular Ecology</i> , 2005, 14, 3383-3393.	3.9	61
76	Heritable, Heterogeneous, and Costly Resistance of Sheep against Nematodes and Potential Feedbacks to Epidemiological Dynamics. <i>American Naturalist</i> , 2014, 184, S58-S76.	2.1	60
77	No evidence for inbreeding avoidance in a great reed warbler population. <i>Behavioral Ecology</i> , 2007, 18, 157-164.	2.2	59
78	The Impact of Environmental Heterogeneity on Genetic Architecture in a Wild Population of Soay Sheep. <i>Genetics</i> , 2009, 181, 1639-1648.	2.9	58
79	Genetic architecture and lifetime dynamics of inbreeding depression in a wild mammal. <i>Nature Communications</i> , 2021, 12, 2972.	12.8	58
80	Sex differences in the consequences of maternal loss in a long-lived mammal, the red deer (<i>Cervus</i>). <i>Evolutionary Ecology</i> , 2007, 21, 107-114.	1.4	57
81	Multivariate immune defences and fitness in the wild: complex but ecologically important associations among plasma antibodies, health and survival. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132931.	2.6	57
82	A High-Density Linkage Map Reveals Sexual Dimorphism in Recombination Landscapes in Red Deer (<i>Cervus elaphus</i>). <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2859-2870.	1.8	57
83	Early life expenditure in sexual competition is associated with increased reproductive senescence in male red deer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140792.	2.6	56
84	Senescence in immunity against helminth parasites predicts adult mortality in a wild mammal. <i>Science</i> , 2019, 365, 1296-1298.	12.6	55
85	Introgression and the fate of domesticated genes in a wild mammal population. <i>Molecular Ecology</i> , 2013, 22, 4210-4221.	3.9	53
86	Trading offspring size for number in a variable environment: selection on reproductive investment in female Soay sheep. <i>Journal of Animal Ecology</i> , 2009, 78, 354-364.	2.8	52
87	Genetic Analysis of Life-History Constraint and Evolution in a Wild Ungulate Population. <i>American Naturalist</i> , 2012, 179, E97-E114.	2.1	52
88	The role of selection and evolution in changing parturition date in a red deer population. <i>PLoS Biology</i> , 2019, 17, e3000493.	5.6	52
89	ANTLER SIZE IN RED DEER: HERITABILITY AND SELECTION BUT NO EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1683.	2.3	49
90	Evolution of quantitative traits in the wild: mind the ecology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2431-2438.	4.0	48

#	ARTICLE	IF	CITATIONS
91	Red and sika deer in the British Isles, current management issues and management policy. <i>Mammalian Biology</i> , 2009, 74, 247-262.	1.5	45
92	Natural selection on a measure of parasite resistance varies across ages and environmental conditions in a wild mammal. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1664-1676.	1.7	44
93	Use of genetic data for conservation management: the case of the Arabian oryx. <i>Animal Conservation</i> , 1999, 2, 269-278.	2.9	41
94	Constraints on plastic responses to climate variation in red deer. <i>Biology Letters</i> , 2005, 1, 457-460.	2.3	41
95	Detecting genes for variation in parasite burden and immunological traits in a wild population: testing the candidate gene approach. <i>Molecular Ecology</i> , 2013, 22, 757-773.	3.9	39
96	Sex differences in leucocyte telomere length in a free-living mammal. <i>Molecular Ecology</i> , 2017, 26, 3230-3240.	3.9	38
97	Multiple spatial behaviours govern social network positions in a wild ungulate. <i>Ecology Letters</i> , 2021, 24, 676-686.	6.4	38
98	Gestation length variation in a wild ungulate. <i>Functional Ecology</i> , 2011, 25, 691-703.	3.6	37
99	A Multivariate Analysis of Genetic Constraints to Life History Evolution in a Wild Population of Red Deer. <i>Genetics</i> , 2014, 198, 1735-1749.	2.9	37
100	Genetic diversity and population structure of Scottish Highland red deer (<i>Cervus elaphus</i>) populations: a mitochondrial survey. <i>Heredity</i> , 2009, 102, 199-210.	2.6	36
101	Cortisol but not testosterone is repeatable and varies with reproductive effort in wild red deer stags. <i>General and Comparative Endocrinology</i> , 2015, 222, 62-68.	1.8	36
102	A Genomic Region Containing <i>REC8</i> and <i>RNF212B</i> Is Associated with Individual Recombination Rate Variation in a Wild Population of Red Deer (<i>Cervus elaphus</i>). <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2265-2276.	1.8	36
103	Declining home range area predicts reduced late-life survival in two wild ungulate populations. <i>Ecology Letters</i> , 2018, 21, 1001-1009.	6.4	35
104	Phenotypic correlates of hybridisation between red and sika deer (genus <i>Cervus</i>). <i>Journal of Animal Ecology</i> , 2010, 79, 414-425.	2.8	34
105	Cellular and humoral immunity in a wild mammal: Variation with age & sex and association with overwinter survival. <i>Ecology and Evolution</i> , 2016, 6, 8695-8705.	1.9	34
106	Introgression of exotic <i>Cervus nippon</i> and <i>Cervus canadensis</i> into red deer (<i>Cervus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 2122-2134.	1.9	34
107	The Fine-Scale Landscape of Immunity and Parasitism in a Wild Ungulate Population. <i>Integrative and Comparative Biology</i> , 2019, 59, 1165-1175.	2.0	34
108	Inbreeding depression by environment interactions in a free-living mammal population. <i>Heredity</i> , 2017, 118, 64-77.	2.6	33

#	ARTICLE	IF	CITATIONS
109	Seasonality of helminth infection in wild red deer varies between individuals and between parasite taxa. <i>Parasitology</i> , 2018, 145, 1410-1420.	1.5	33
110	Multiple pathways mediate the effects of climate change on maternal reproductive traits in a red deer population. <i>Ecology</i> , 2014, 95, 3124-3138.	3.2	31
111	Relative costs of offspring sex and offspring survival in a polygynous mammal. <i>Biology Letters</i> , 2016, 12, 20160417.	2.3	31
112	A survey of the hybridisation status of <i>Cervus</i> deer species on the island of Ireland. <i>Conservation Genetics</i> , 2014, 15, 823-835.	1.5	30
113	Survival costs of reproduction are mediated by parasite infection in wild Soay sheep. <i>Ecology Letters</i> , 2019, 22, 1203-1213.	6.4	30
114	Digital gene expression analysis of gastrointestinal helminth resistance in Scottish blackface lambs. <i>Molecular Ecology</i> , 2011, 20, 910-919.	3.9	29
115	Reproduction has different costs for immunity and parasitism in a wild mammal. <i>Functional Ecology</i> , 2020, 34, 229-239.	3.6	29
116	Heritable variation in telomere length predicts mortality in Soay sheep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
117	Mutation load decreases with haplotype age in wild Soay sheep. <i>Evolution Letters</i> , 2021, 5, 187-195.	3.3	29
118	Increased genetic marker density reveals high levels of admixture between red deer and introduced Japanese sika in Kintyre, Scotland. <i>Evolutionary Applications</i> , 2020, 13, 432-441.	3.1	28
119	Evidence for Selection-by-Environment but Not Genotype-by-Environment Interactions for Fitness-Related Traits in a Wild Mammal Population. <i>Genetics</i> , 2018, 208, 349-364.	2.9	27
120	The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (<i>Ovis aries</i>). <i>PLoS Genetics</i> , 2019, 15, e1008461.	3.5	26
121	Investigating temporal changes in hybridization and introgression in a predominantly bimodal hybridizing population of invasive sika (<i>Cervus nippon</i>) and native red deer (<i>C. elaphus</i>) on the Kintyre Peninsula, Scotland. <i>Molecular Ecology</i> , 2010, 19, 910-924.	3.9	25
122	Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. <i>American Naturalist</i> , 2018, 192, 745-760.	2.1	25
123	No evidence for parental age effects on offspring leukocyte telomere length in free-living Soay sheep. <i>Scientific Reports</i> , 2017, 7, 9991.	3.3	24
124	Variation in the prion protein gene (PRNP) sequence of wild deer in Great Britain and mainland Europe. <i>Veterinary Research</i> , 2019, 50, 59.	3.0	22
125	Temporal changes in key factors and key age groups influencing the population dynamics of female red deer. <i>Journal of Animal Ecology</i> , 2000, 69, 1099-1110.	2.8	21
126	Accounting for female space sharing in St. Kilda Soay sheep (<i>Ovis aries</i>) results in little change in heritability estimates. <i>Journal of Evolutionary Biology</i> , 2017, 30, 96-111.	1.7	21

#	ARTICLE	IF	CITATIONS
127	Landscape-scale vegetation patterns influence small-scale grazing impacts. <i>Biological Conservation</i> , 2015, 192, 218-225.	4.1	20
128	Marker-dependent associations among oxidative stress, growth and survival during early life in a wild mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161407.	2.6	20
129	Sharing and reporting benefits from biodiversity research. <i>Molecular Ecology</i> , 2021, 30, 1103-1107.	3.9	19
130	Vitamin D status predicts reproductive fitness in a wild sheep population. <i>Scientific Reports</i> , 2016, 6, 18986.	3.3	18
131	RAD-seq for estimating genomic relatedness matrix-based heritability in the wild: A case study in roe deer. <i>Molecular Ecology Resources</i> , 2019, 19, 1205-1217.	4.8	18
132	Re-establishment of nematode infra-community and host survivorship in wild Soay sheep following anthelmintic treatment. <i>Veterinary Parasitology</i> , 2009, 161, 47-52.	1.8	17
133	Heritability and cross-sex genetic correlations of early-life circulating testosterone levels in a wild mammal. <i>Biology Letters</i> , 2014, 10, 20140685.	2.3	17
134	Quantification and decomposition of environment-selection relationships. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 851-866.	2.3	17
135	Characterisation of major histocompatibility complex class IIa haplotypes in an island sheep population. <i>Immunogenetics</i> , 2019, 71, 383-393.	2.4	17
136	Molecular analysis of a promiscuous, fluctuating mating system. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 289-301.	1.6	17
137	A panel of microsatellites developed for meerkats (<i>Suricata suricatta</i>) by cross-species amplification and species-specific cloning. <i>Molecular Ecology Notes</i> , 2001, 1, 83-85.	1.7	16
138	VARIANCES AND COVARIANCES OF PHENOLOGICAL TRAITS IN A WILD MAMMAL POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 788-801.	2.3	16
139	Joint associations of blood plasma proteins with overwinter survival of a large mammal. <i>Ecology Letters</i> , 2017, 20, 175-183.	6.4	16
140	Fitness Costs of Parasites Explain Multiple Life-History Trade-Offs in a Wild Mammal. <i>American Naturalist</i> , 2021, 197, 324-335.	2.1	16
141	Re-mating across years and intralocus polygyny are associated with greater than expected levels of inbreeding in wild red deer. <i>Journal of Evolutionary Biology</i> , 2012, 25, 2457-2469.	1.7	15
142	The Impact of Past Introductions on an Iconic and Economically Important Species, the Red Deer of Scotland. <i>Journal of Heredity</i> , 2013, 104, 14-22.	2.4	15
143	Sex differences in relationships between habitat use and reproductive performance in Soay sheep (<i>Ovis aries</i>). <i>Ecology Letters</i> , 2016, 19, 171-179.	6.4	15
144	Fragmentation and Translocation Distort the Genetic Landscape of Ungulates: Red Deer in the Netherlands. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	15

#	ARTICLE	IF	CITATIONS
145	Genomic prediction in the wild: A case study in Soay sheep. <i>Molecular Ecology</i> , 2022, 31, 6541-6555.	3.9	14
146	The genetic architecture of maternal effects across ontogeny in the red deer. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1378-1391.	2.3	13
147	Integrated population models poorly estimate the demographic contribution of immigration. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1899-1910.	5.2	13
148	Stable isotopes reveal the importance of seabirds and marine foods in the diet of St Kilda field mice. <i>Scientific Reports</i> , 2020, 10, 6088.	3.3	12
149	Cumulative weather effects can impact across the whole life cycle. <i>Global Change Biology</i> , 2019, 25, 3282-3293.	9.5	11
150	Variation in early-life testosterone within a wild population of red deer. <i>Functional Ecology</i> , 2014, 28, 1224-1234.	3.6	10
151	Between-population differences in the genetic and maternal components of body mass in roe deer. <i>BMC Evolutionary Biology</i> , 2018, 18, 39.	3.2	10
152	Consistent within-individual plasticity is sufficient to explain temperature responses in red deer reproductive traits. <i>Journal of Evolutionary Biology</i> , 2019, 32, 1194-1206.	1.7	10
153	Genomic analysis reveals a polygenic architecture of antler morphology in wild red deer (<i>Cervus</i>). <i>Evolution</i> , 2021, 75, 1074-1084.	3.9	10
154	Inbreeding depression and the probability of racing in the Thoroughbred horse. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	10
155	Osteoarthritis of the temporo-mandibular joint in free-living Soay sheep on St Kilda. <i>Veterinary Journal</i> , 2015, 203, 120-125.	1.7	9
156	Locus-specific introgression in young hybrid swarms: Drift may dominate selection. <i>Molecular Ecology</i> , 2021, 30, 2104-2115.	3.9	9
157	Maternally derived anti-helminth antibodies predict offspring survival in a wild mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201931.	2.6	9
158	The sheep of St Kilda. , 2003, , 17-51.		8
159	Population dynamics in Soay sheep. , 2003, , 52-88.		8
160	Using genomic prediction to detect microevolutionary change of a quantitative trait. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220330.	2.6	8
161	Exposure to viral and bacterial pathogens among Soay sheep (<i>Ovis aries</i>) of the St Kilda archipelago. <i>Epidemiology and Infection</i> , 2016, 144, 1879-1888.	2.1	7
162	A candidate gene approach to study nematode resistance traits in naturally infected sheep. <i>Veterinary Parasitology</i> , 2017, 243, 71-74.	1.8	7

#	ARTICLE	IF	CITATIONS
163	The genome sequence of the red deer, <i>Cervus elaphus</i> Linnaeus 1758. Wellcome Open Research, 0, 6, 336.	1.8	7
164	Microsatellite variation in Rufous Hummingbirds (<i>Selasphorus rufus</i>) and evidence for a weakly structured population. Journal of Ornithology, 2013, 154, 1029-1037.	1.1	6
165	Maternal longevity and offspring sex in wild ungulates. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20181968.	2.6	6
166	The association between female reproductive performance and leukocyte telomere length in wild Soay sheep. Molecular Ecology, 2022, 31, 6184-6196.	3.9	6
167	Contemporary selection on MHC genes in a free-living ruminant population. Ecology Letters, 2022, 25, 828-838.	6.4	6
168	Functionally distinct T-helper cell phenotypes predict resistance to different types of parasites in a wild mammal. Scientific Reports, 2022, 12, 3197.	3.3	6
169	Estimating selection on the act of inbreeding in a population with strong inbreeding depression. Journal of Evolutionary Biology, 2018, 31, 1815-1827.	1.7	5
170	Patterns of MHC-dependent sexual selection in a free-living population of sheep. Molecular Ecology, 2021, 30, 6733-6742.	3.9	4
171	Habitat impact assessment detects spatially driven patterns of grazing impacts in habitat mosaics but overestimates damage. Journal for Nature Conservation, 2018, 45, 20-29.	1.8	3
172	Within-trio tests provide little support for post-copulatory selection on major histocompatibility complex haplotypes in a free-living population. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202862.	2.6	3
173	MHC class IIa haplotypes derived by high-throughput SNP screening in an isolated sheep population. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	3
174	Vitamin D status is heritable and under environment-dependent selection in the wild. Molecular Ecology, 2022, 31, 4607-4621.	3.9	3
175	Mating patterns and male breeding success. , 2003, , 166-189.		2
176	Physiological proteins in resource-limited herbivores experiencing a population die-off. Die Naturwissenschaften, 2017, 104, 68.	1.6	2
177	Associations between MHC class II variation and phenotypic traits in a free-living sheep population. Molecular Ecology, 2022, 31, 902-915.	3.9	2
178	Linking genetic merit to sparse behavioral data: behavior and genetic effects on lamb growth in Soay sheep. Behavioral Ecology, 0, , .	2.2	1
179	From population to individual host scale and back again: testing theories of infection and defence in the Soay sheep of St Kilda. , 2019, , 91-128.		1
180	The role of maternally transferred antibodies in maternal performance in red deer. Ecology Letters, 2021, 24, 2065-2076.	6.4	1

#	ARTICLE	IF	CITATIONS
181	Admixture mapping reveals loci for carcass mass in red deer x sika hybrids in Kintyre, Scotland. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	1
182	Sika in the British Isles: Population Ecology, Spread and Impacts of an Introduced Species. Structure and Function of Mountain Ecosystems in Japan, 2022, , 503-519.	0.5	1