

# David W Coltman

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

12,970  
citations

20817

60  
h-index

29157

104  
g-index

209  
all docs

209  
docs citations

209  
times ranked

11310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Analysis of the World's Sheep Breeds Reveals High Levels of Historic Mixture and Strong Recent Selection. PLoS Biology, 2012, 10, e1001258.	5.6	719
2	Undesirable evolutionary consequences of trophy hunting. Nature, 2003, 426, 655-658.	27.8	666
3	PARASITE-MEDIATED SELECTION AGAINST INBRED SOAY SHEEP IN A FREE-LIVING ISLAND POPULATION. Evolution; International Journal of Organic Evolution, 1999, 53, 1259-1267.	2.3	466
4	Of glaciers and refugia: a decade of study sheds new light on the phylogeography of northwestern North America. Molecular Ecology, 2010, 19, 4589-4621.	3.9	435
5	A microsatellite polymorphism in the gamma interferon gene is associated with resistance to gastrointestinal nematodes in a naturally-parasitized population of Soay sheep. Parasitology, 2001, 122, 571-582.	1.5	431
6	A quantitative review of heterozygosity-fitness correlations in animal populations. Molecular Ecology, 2009, 18, 2746-2765.	3.9	374
7	Parasite-Mediated Selection against Inbred Soay Sheep in a Free-Living, Island Population. Evolution; International Journal of Organic Evolution, 1999, 53, 1259.	2.3	291
8	Overt and covert competition in a promiscuous mammal: the importance of weaponry and testes size to male reproductive success. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 633-640.	2.6	278
9	Mountain pine beetle host-range expansion threatens the boreal forest. Molecular Ecology, 2011, 20, 2157-2171.	3.9	278
10	Age-dependent sexual selection in bighorn rams. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 165-172.	2.6	276
11	SEX-SPECIFIC GENETIC VARIANCE AND THE EVOLUTION OF SEXUAL DIMORPHISM: A SYSTEMATIC REVIEW OF CROSS-SEX GENETIC CORRELATIONS. Evolution; International Journal of Organic Evolution, 2010, 64, 97-107.	2.3	274
12	Birth weight and neonatal survival of harbour seal pups are positively correlated with genetic variation measured by microsatellites. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 803-809.	2.6	266
13	Performance of Marker-Based Relatedness Estimators in Natural Populations of Outbred Vertebrates. Genetics, 2006, 173, 2091-2101.	2.9	250
14	Environmental Coupling of Selection and Heritability Limits Evolution. PLoS Biology, 2006, 4, e216.	5.6	217
15	Male reproductive success in a promiscuous mammal: behavioural estimates compared with genetic paternity. Molecular Ecology, 1999, 8, 1199-1209.	3.9	209
16	Male personality, life-history strategies and reproductive success in a promiscuous mammal. Journal of Evolutionary Biology, 2009, 22, 1599-1607.	1.7	191
17	Maternal genetic effects set the potential for evolution in a free-living vertebrate population. Journal of Evolutionary Biology, 2004, 18, 405-414.	1.7	169
18	Seasonal, spatial, and maternal effects on gut microbiome in wild red squirrels. Microbiome, 2017, 5, 163.	11.1	148

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19	Densityâ€Dependent Variation in Lifetime Breeding Success and Natural and Sexual Selection in Soay Rams. <i>American Naturalist</i> , 1999, 154, 730-746.	2.1	139
20	Fine-scale genetic structure in a free-living ungulate population. <i>Molecular Ecology</i> , 2003, 12, 733-742.	3.9	139
21	SELECTION AND GENETIC (CO)VARIANCE IN BIGHORN SHEEP. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1372-1382.	2.3	135
22	Bovine microsatellite loci are highly conserved in red deer ( <i>Cervus elaphus</i> ), sika deer ( <i>Cervus nippon</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	130
23	Relative allocation to horn and body growth in bighorn rams varies with resource availability. <i>Behavioral Ecology</i> , 2004, 15, 305-312.	2.2	128
24	Intense selective hunting leads to artificial evolution in horn size. <i>Evolutionary Applications</i> , 2016, 9, 521-530.	3.1	127
25	Ontogenetic Patterns in Heritable Variation for Body Size: Using Random Regression Models in a Wild Ungulate Population. <i>American Naturalist</i> , 2005, 166, E177-E192.	2.1	114
26	Age-dependent genetic effects on a secondary sexual trait in male Alpine ibex, <i>Capra ibex</i> . <i>Molecular Ecology</i> , 2007, 16, 1969-1980.	3.9	114
27	Detecting population structure using STRUCTURE software: effect of background linkage disequilibrium. <i>Heredity</i> , 2007, 99, 374-380.	2.6	100
28	Genetic subdivision and candidate genes under selection in North American grey wolves. <i>Molecular Ecology</i> , 2016, 25, 380-402.	3.9	100
29	Rapidly declining fine-scale spatial genetic structure in female red deer. <i>Molecular Ecology</i> , 2005, 14, 3395-3405.	3.9	96
30	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
31	Male mating success in an aquatically mating pinniped, the harbour seal ( <i>Phoca vitulina</i> ), assessed by microsatellite DNA markers. <i>Molecular Ecology</i> , 1998, 7, 627-638.	3.9	90
32	PCR primers for harbour seal ( <i>Phoca vitulina concolour</i> ) microsatellites amplify polymorphic loci in other pinniped species. <i>Molecular Ecology</i> , 1996, 5, 161-163.	3.9	85
33	Evidence for cryptic glacial refugia from North American mountain sheep mitochondrial DNA. <i>Journal of Evolutionary Biology</i> , 2006, 19, 419-430.	1.7	84
34	SELECTION ON HERITABLE SEASONAL PHENOTYPIC PLASTICITY OF BODY MASS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1969-1979.	2.3	84
35	Estimating genome-wide heterozygosity: effects of demographic history and marker type. <i>Heredity</i> , 2014, 112, 240-247.	2.6	84
36	Low heritabilities, but genetic and maternal correlations between red squirrel behaviours. <i>Journal of Evolutionary Biology</i> , 2012, 25, 614-624.	1.7	83

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37	A genome-wide set of SNPs detects population substructure and long range linkage disequilibrium in wild sheep. <i>Molecular Ecology Resources</i> , 2011, 11, 314-322.	4.8	80
38	Genomic consequences of genetic rescue in an insular population of bighorn sheep ( <i>Ovis montanus</i> ). <i>Evolution</i> , 2010, 64, 1070-1080.	3.9	80
39	Father-offspring phenotypic correlations suggest intralocus sexual conflict for a fitness-linked trait in a wild sexually dimorphic mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4067-4075.	2.6	78
40	Estimating the prevalence of inbreeding from incomplete pedigrees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1533-1539.	2.6	77
41	GENETIC CONSTRAINTS AND SEXUAL DIMORPHISM IN IMMUNE DEFENSE. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1844-1850.	2.3	76
42	Quantitative genetics and sex-specific selection on sexually dimorphic traits in bighorn sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 623-628.	2.6	76
43	Genetic structure of invasive earthworms ( <i>Dendrobaena octaedra</i> ) in the boreal forest of Alberta: insights into introduction mechanisms. <i>Molecular Ecology</i> , 2008, 17, 1189-1197.	3.9	73
44	Will human influences on evolutionary dynamics in the wild pervade the Anthropocene?. <i>BMC Biology</i> , 2018, 16, 7.	3.8	73
45	Globally dispersed Y chromosomal haplotypes in wild and domestic sheep. <i>Animal Genetics</i> , 2006, 37, 444-453.	1.7	72
46	HOT SPOTS OF GENETIC DIVERSITY DESCENDED FROM MULTIPLE PLEISTOCENE REFUGIA IN AN ALPINE UNGULATE. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 125-138.	2.3	72
47	Habitat selection predicts genetic relatedness in an alpine ungulate. <i>Ecology</i> , 2012, 93, 1317-1329.	3.2	71
48	Assessment of identity disequilibrium and its relation to empirical heterozygosity fitness correlations: a meta-analysis. <i>Molecular Ecology</i> , 2014, 23, 1899-1909.	3.9	71
49	Balancing foraging and reproduction in the male harbour seal, an aquatically mating pinniped. <i>Animal Behaviour</i> , 1997, 54, 663-678.	1.9	70
50	How the Mountain Pine Beetle ( <i>Dendroctonus ponderosae</i> ) Breached the Canadian Rocky Mountains. <i>Molecular Biology and Evolution</i> , 2014, 31, 1803-1815.	8.9	70
51	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
52	MATERNAL EFFECTS INFLUENCE THE SEXUAL BEHAVIOR OF SONS AND DAUGHTERS IN THE ZEBRA FINCH. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2574-2583.	2.3	68
53	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
54	Molecular analysis of a promiscuous, fluctuating mating system. <i>Biological Journal of the Linnean Society</i> , 1999, 68, 289-301.	1.6	67

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55	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
56	Unexpected heterozygosity in an island mouflon population founded by a single pair of individuals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 527-533.	2.6	67
57	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
58	Sex-based differences in the adaptive value of social behavior contrasted against morphology and environment. <i>Ecology</i> , 2015, 96, 631-641.	3.2	66
59	Sexually selected behaviour: red squirrel males search for reproductive success. <i>Journal of Animal Ecology</i> , 2009, 78, 296-304.	2.8	65
60	Molecular ecological approaches to studying the evolutionary impact of selective harvesting in wildlife. <i>Molecular Ecology</i> , 2008, 17, 221-235.	3.9	64
61	Broad and fine-scale genetic analysis of white-tailed deer populations: estimating the relative risk of chronic wasting disease spread. <i>Evolutionary Applications</i> , 2011, 4, 116-131.	3.1	63
62	Population genetic structure of North American thimhorn sheep ( <i>Ovis dalli</i> ). <i>Molecular Ecology</i> , 2004, 13, 2545-2556.	3.9	62
63	CanSINEs: a family of tRNA-derived retroposons specific to the superfamily Canoidea. <i>Nucleic Acids Research</i> , 1994, 22, 2726-2730.	14.5	57
64	Spatial Genetic Structure of a Symbiotic Beetle-Fungal System: Toward Multi-Taxa Integrated Landscape Genetics. <i>PLoS ONE</i> , 2011, 6, e25359.	2.5	57
65	Testing marker-based estimates of heritability in the wild. <i>Molecular Ecology</i> , 2005, 14, 2593-2599.	3.9	56
66	Female multiple mating and paternity in free-ranging North American red squirrels. <i>Animal Behaviour</i> , 2008, 75, 1927-1937.	1.9	56
67	Consistent divergence times and allele sharing measured from cross-species application of <i>SNP</i> chips developed for three domestic species. <i>Molecular Ecology Resources</i> , 2012, 12, 1145-1150.	4.8	56
68	Population structure of ice-breeding seals. <i>Molecular Ecology</i> , 2008, 17, 3078-3094.	3.9	55
69	Mating order and reproductive success in male Columbian ground squirrels ( <i>Urocitellus</i> ) <i>Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 501</i>	2.2	53
70	A quantitative genetic analysis of hibernation emergence date in a wild population of Columbian ground squirrels. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1949-1959.	1.7	53
71	Modelling landscape effects on density-contact rate relationships of deer in eastern Alberta: Implications for chronic wasting disease. <i>Ecological Modelling</i> , 2011, 222, 2722-2732.	2.5	53
72	Characterizing the physical and genetic structure of the lodgepole pine—jack pine hybrid zone: mosaic structure and differential introgression. <i>Evolutionary Applications</i> , 2012, 5, 879-891.	3.1	53

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73	Spatial genetic structure of the mountain pine beetle ( <i>Dendroctonus ponderosae</i> ) outbreak in western Canada: historical patterns and contemporary dispersal. <i>Molecular Ecology</i> , 2012, 21, 2931-2948.	3.9	53
74	Circumpolar Genetic Structure and Recent Gene Flow of Polar Bears: A Reanalysis. <i>PLoS ONE</i> , 2016, 11, e0148967.	2.5	52
75	Panmictic population structure in the hooded seal ( <i>Cystophora cristata</i> ). <i>Molecular Ecology</i> , 2007, 16, 1639-1648.	3.9	50
76	Polymorphisms at the <i>PRNP</i> Gene Influence Susceptibility to Chronic Wasting Disease in Two Species of Deer ( <i>Odocoileus</i> Spp.) in Western Canada. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 1025-1029.	2.3	49
77	Comparative phylogeography, genetic differentiation and contrasting reproductive modes in three fungal symbionts of a multipartite bark beetle symbiosis. <i>Molecular Ecology</i> , 2011, 20, 584-600.	3.9	48
78	Evidence of adoption, monozygotic twinning, and low inbreeding rates in a large genetic pedigree of polar bears. <i>Polar Biology</i> , 2016, 39, 1455-1465.	1.2	48
79	Low MHC DRB class II diversity in the mountain goat: past bottlenecks and possible role of pathogens and parasites. <i>Conservation Genetics</i> , 2007, 8, 885-891.	1.5	47
80	Genetic relatedness of mates does not predict patterns of parentage in North American red squirrels. <i>Animal Behaviour</i> , 2007, 74, 611-619.	1.9	46
81	Genome variability in European and American bison detected using the BovineSNP50 BeadChip. <i>Conservation Genetics</i> , 2010, 11, 627-634.	1.5	46
82	Design of a 9K illumina BeadChip for polar bears ( <i>Ursus maritimus</i> ) from RAD and transcriptome sequencing. <i>Molecular Ecology Resources</i> , 2015, 15, 587-600.	4.8	45
83	A multivariate analysis of phenotype and paternity in male harbor seals, <i>Phoca vitulina</i> , at Sable Island, Nova Scotia. <i>Behavioral Ecology</i> , 1999, 10, 169-177.	2.2	43
84	No inbreeding avoidance in an isolated population of bighorn sheep. <i>Animal Behaviour</i> , 2010, 80, 865-871.	1.9	43
85	Very low levels of direct additive genetic variance in fitness and fitness components in a red squirrel population. <i>Ecology and Evolution</i> , 2014, 4, 1729-1738.	1.9	43
86	Population structure and genetic diversity of greater sage-grouse ( <i>Centrocercus urophasianus</i> ) in fragmented landscapes at the northern edge of their range. <i>Conservation Genetics</i> , 2011, 12, 527-542.	1.5	42
87	Something Darwin didn't know about barnacles: spermcast mating in a common stalked species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122919.	2.6	42
88	Sex-ratio variation in Soay sheep. <i>Behavioral Ecology and Sociobiology</i> , 2002, 53, 25-30.	1.4	41
89	Adopting kin enhances inclusive fitness in asocial red squirrels. <i>Nature Communications</i> , 2010, 1, 22.	12.8	40
90	Multilocus heterozygosity, parental relatedness and individual fitness components in a wild mountain goat, <i>Oreamnos americanus</i> population. <i>Molecular Ecology</i> , 2009, 18, 2297-2306.	3.9	39

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91	Isolation of 18 polymorphic microsatellite loci from the North American red squirrel, <i>Tamiasciurus hudsonicus</i> (Sciuridae, Rodentia), and their cross-utility in other species. <i>Molecular Ecology Notes</i> , 2005, 5, 650-653.	1.7	38
92	Genetic linkage map of a wild genome: genomic structure, recombination and sexual dimorphism in bighorn sheep. <i>BMC Genomics</i> , 2010, 11, 524.	2.8	38
93	Environmental and evolutionary effects on horn growth of male bighorn sheep. <i>Oikos</i> , 2017, 126, 1031-1041.	2.7	38
94	Detecting the signature of selection on immune genes in highly structured populations of wild sheep ( <i>Ovis dalli</i> ). <i>Molecular Ecology</i> , 2006, 15, 623-637.	3.9	37
95	Sex-differential effects of inbreeding on overwinter survival, birth date and mass of bighorn lambs. <i>Journal of Evolutionary Biology</i> , 2011, 24, 121-131.	1.7	36
96	The Energetics of Male Reproduction in an Aquatically Mating Pinniped, the Harbour Seal. <i>Physiological Zoology</i> , 1998, 71, 387-399.	1.5	35
97	Chronic wasting disease: Possible transmission mechanisms in deer. <i>Ecological Modelling</i> , 2013, 250, 244-257.	2.5	35
98	Selection and genetic (co)variance in bighorn sheep. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1372-82.	2.3	34
99	Multiscale population genetic analysis of mule deer ( <i>Odocoileus hemionus hemionus</i> ) in western Canada sheds new light on the spread of chronic wasting disease. <i>Canadian Journal of Zoology</i> , 2011, 89, 134-147.	1.0	33
100	QTL mapping for sexually dimorphic fitness-related traits in wild bighorn sheep. <i>Heredity</i> , 2012, 108, 256-263.	2.6	33
101	Genetic decline, restoration and rescue of an isolated ungulate population. <i>Evolutionary Applications</i> , 2019, 12, 1318-1328.	3.1	33
102	Familiar Neighbors, but Not Relatives, Enhance Fitness in a Territorial Mammal. <i>Current Biology</i> , 2021, 31, 438-445.e3.	3.9	33
103	Familiarity with neighbours affects intrusion risk in territorial red squirrels. <i>Animal Behaviour</i> , 2017, 133, 11-20.	1.9	32
104	Temporal dynamics of genetic variability in a mountain goat ( <i>Oreamnos americanus</i> ) population. <i>Molecular Ecology</i> , 2011, 20, 1601-1611.	3.9	31
105	Cross-species outlier detection reveals different evolutionary pressures between sister species. <i>New Phytologist</i> , 2014, 204, 215-229.	7.3	31
106	Molecular phylogeny of North American Branchiobdellida (Annelida: Clitellata). <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 30-42.	2.7	30
107	Formation of manganese oxide plaque on rice roots in solution culture under varying pH and manganese ( $Mn^{2+}$ ) concentration conditions. <i>Journal of Plant Nutrition</i> , 1993, 16, 589-599.	1.9	29
108	A standard set of polymorphic microsatellites for threatened mountain ungulates (Caprini.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf, 50 62 Td</i>	1.7	29

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109	Past bottlenecks and current population fragmentation of endangered huemul deer ( <i>Hippocamelus</i> ) Tj ETQq1 1 0.784314 rgBT /Over 60	1.5	29
110	Genome-wide set of <i>SNP</i> s reveals evidence for two glacial refugia and admixture from postglacial recolonization in an alpine ungulate. <i>Molecular Ecology</i> , 2016, 25, 3696-3705.	3.9	29
111	Genetic Testing for TMEM154 Mutations Associated with Lentivirus Susceptibility in Sheep. <i>PLoS ONE</i> , 2013, 8, e55490.	2.5	28
112	Red squirrels use territorial vocalizations for kin discrimination. <i>Animal Behaviour</i> , 2015, 107, 79-85.	1.9	27
113	Evolutionary rebound from selective harvesting. <i>Trends in Ecology and Evolution</i> , 2008, 23, 117-118.	8.7	26
114	Short Reads, Circular Genome: Skimming SOLiD Sequence to Construct the Bighorn Sheep Mitochondrial Genome. <i>Journal of Heredity</i> , 2012, 103, 140-146.	2.4	26
115	Targeting the detection of chronic wasting disease using the hunter harvest during early phases of an outbreak in Saskatchewan, Canada. <i>Preventive Veterinary Medicine</i> , 2012, 104, 149-159.	1.9	26
116	A quantitative trait locus analysis of personality in wild bighorn sheep. <i>Ecology and Evolution</i> , 2013, 3, 474-481.	1.9	26
117	A species-diagnostic SNP panel for discriminating lodgepole pine, jack pine, and their interspecific hybrids. <i>Tree Genetics and Genomes</i> , 2013, 9, 1119-1127.	1.6	26
118	The nature of nurture in a wild mammal's fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142422.	2.6	26
119	Phenological shifts in North American red squirrels: disentangling the roles of phenotypic plasticity and microevolution. <i>Journal of Evolutionary Biology</i> , 2018, 31, 810-821.	1.7	26
120	The new kid on the block: immigrant males win big whereas females pay fitness cost after dispersal. <i>Ecology Letters</i> , 2020, 23, 430-438.	6.4	26
121	Birds of a Feather do not Always Lek Together: Genetic Diversity and Kinship Structure of Greater Sage-Grouse ( <i>Centrocercus urophasianus</i> ) in Alberta. <i>Auk</i> , 2010, 127, 343-353.	1.4	25
122	Phylogeographic insights into an irruptive pest outbreak. <i>Ecology and Evolution</i> , 2012, 2, 908-919.	1.9	25
123	The genetic signature of rapid range expansions: How dispersal, growth and invasion speed impact heterozygosity and allele surfing. <i>Theoretical Population Biology</i> , 2014, 98, 1-10.	1.1	25
124	Paternal reproductive success drives sex allocation in a wild mammal. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 358-368.	2.3	25
125	Heritability of body size in the polar bears of Western Hudson Bay. <i>Molecular Ecology Resources</i> , 2018, 18, 854-866.	4.8	25
126	Genome-wide cross-amplification of domestic sheep microsatellites in bighorn sheep and mountain goats. <i>Molecular Ecology Resources</i> , 2009, 9, 1121-1126.	4.8	24



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127	Postweaning parental care increases fitness but is not heritable in North American red squirrels. <i>Journal of Evolutionary Biology</i> , 2015, 28, 1203-1212.	1.7	24
128	Towards robust evolutionary inference with integral projection models. <i>Journal of Evolutionary Biology</i> , 2017, 30, 270-288.	1.7	24
129	Indirect effects on fitness between individuals that have never met via an extended phenotype. <i>Ecology Letters</i> , 2019, 22, 697-706.	6.4	24
130	Male reproductive tactics to increase paternity in the polygynandrous Columbian ground squirrel ( <i>Urocitellus columbianus</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 695-706.	1.4	23
131	The secret sex lives of sage-grouse: multiple paternity and intraspecific nest parasitism revealed through genetic analysis. <i>Behavioral Ecology</i> , 2013, 24, 29-38.	2.2	23
132	Demographic drivers of age-dependent sexual selection. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1437-1446.	1.7	23
133	Fine-scale genetic correlates to condition and migration in a wild cervid. <i>Evolutionary Applications</i> , 2014, 7, 937-948.	3.1	22
134	The heritability of multiple male mating in a promiscuous mammal. <i>Biology Letters</i> , 2011, 7, 368-371.	2.3	21
135	(Lack of) Genetic Diversity in Immune Genes Predates Glacial Isolation in the North American Mountain Goat ( <i>Oreamnos americanus</i> ). <i>Journal of Heredity</i> , 2012, 103, 371-379.	2.4	21
136	Development of a Novel Mule Deer Genomic Assembly and Species-Diagnostic SNP Panel for Assessing Introgression in Mule Deer, White-Tailed Deer, and Their Interspecific Hybrids. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 911-919.	1.8	21
137	Social effects of territorial neighbours on the timing of spring breeding in North American red squirrels. <i>Journal of Evolutionary Biology</i> , 2019, 32, 559-571.	1.7	20
138	Harnessing cross-species alignment to discover SNPs and generate a draft genome sequence of a bighorn sheep ( <i>Ovis canadensis</i> ). <i>BMC Genomics</i> , 2015, 16, 397.	2.8	19
139	MICROSATELLITE MEASURES OF INBREEDING: A META-ANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 971.	2.3	18
140	<i>MC1R</i> variants correlate with thinhorn sheep colour cline but not individual colour. <i>Canadian Journal of Zoology</i> , 2008, 86, 147-150.	1.0	18
141	Predicting the spread-risk potential of chronic wasting disease to sympatric ungulate species. <i>Prion</i> , 2020, 14, 56-66.	1.8	18
142	Genomic analysis of morphometric traits in bighorn sheep using the Ovine Infinium <sup>®</sup> HD SNP BeadChip. <i>PeerJ</i> , 2018, 6, e4364.	2.0	18
143	Depauperate genetic variability detected in the American and European bison using genomic techniques. <i>Biology Direct</i> , 2009, 4, 48.	4.6	17
144	Fluctuating effects of genetic and plastic changes in body mass on population dynamics in a large herbivore. <i>Ecology</i> , 2017, 98, 2456-2467.	3.2	17

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145	Differentiation by dispersal. <i>Nature</i> , 2005, 433, 23-24.	27.8	15
146	No experimental effects of parasite load on male mating behaviour and reproductive success. <i>Animal Behaviour</i> , 2011, 82, 673-682.	1.9	15
147	Does reduced heterozygosity influence dispersal? A test using spatially structured populations in an alpine ungulate. <i>Biology Letters</i> , 2011, 7, 433-435.	2.3	15
148	Effects of introgression on the genetic population structure of two ecologically and economically important conifer species: lodgepole pine ( <i>Pinus contorta</i> var. <i>latifolia</i> ) and jack pine ( <i>Pinus banksiana</i> ). <i>Genome</i> , 2013, 56, 577-585.	2.0	15
149	Juxtaposition between host population structures: implications for disease transmission in a sympatric cervid community. <i>Evolutionary Applications</i> , 2013, 6, 1001-1011.	3.1	15
150	Population structure and dispersal of wolves in the Canadian Rocky Mountains. <i>Journal of Mammalogy</i> , 2016, 97, 839-851.	1.3	15
151	Polygamy and an absence of fine-scale structure in <i>Dendroctonus ponderosae</i> (Hopk.) (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overl	2.6	15
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