David W Coltman

List of Publications by Year
in descending order

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202	12,970	23879	33145
papers	citations	60 h-index	104 g-index

209	209	209	12589
all docs	docs citations	times ranked	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.	2.6	719
2	Undesirable evolutionary consequences of trophy hunting. Nature, 2003, 426, 655-658.	13.7	666
3	PARASITE-MEDIATED SELECTION AGAINST INBRED SOAY SHEEP IN A FREE-LIVING ISLAND POPULATON. Evolution; International Journal of Organic Evolution, 1999, 53, 1259-1267.	1.1	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.	2.0	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.	0.7	431
6	A quantitative review of heterozygosityâ€“fitness correlations in animal populations. Molecular Ecology, 2009, 18, 2746-2765.	2.0	374
7	Parasite-Mediated Selection against Inbred Soay Sheep in a Free-Living, Island Population. Evolution; International Journal of Organic Evolution, 1999, 53, 1259.	1.1	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.	1.2	278
9	Mountain pine beetle host-range expansion threatens the boreal forest. Molecular Ecology, 2011, 20, 2157-2171.	2.0	278
10	Age-dependent sexual selection in bighorn rams. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 165-172.	1.2	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.	1.1	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.	1.2	266
13	Performance of Marker-Based Relatedness Estimators in Natural Populations of Outbred Vertebrates. Genetics, 2006, 173, 2091-2101.	1.2	250
14	Environmental Coupling of Selection and Heritability Limits Evolution. PLoS Biology, 2006, 4, e216.	2.6	217
15	Male reproductive success in a promiscuous mammal: behavioural estimates compared with genetic paternity. Molecular Ecology, 1999, 8, 1199-1209.	2.0	209
16	Male personality, lifeâ€history strategies and reproductive success in a promiscuous mammal. Journal of Evolutionary Biology, 2009, 22, 1599-1607.	0.8	191
17	Maternal genetic effects set the potential for evolution in a free-living vertebrate population. Journal of Evolutionary Biology, 2004, 18, 405-414.	0.8	169
18	Seasonal, spatial, and maternal effects on gut microbiome in wild red squirrels. Microbiome, 2017, 5, 163.	4.9	148

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19	Densityâ€Dependent Variation in Lifetime Breeding Success and Natural and Sexual Selection in Soay Rams. American Naturalist, 1999, 154, 730-746.	1.0	139
20	Fine-scale genetic structure in a free-living ungulate population. Molecular Ecology, 2003, 12, 733-742.	2.0	139
21	SELECTION AND GENETIC (CO)VARIANCE IN BIGHORN SHEEP. Evolution; International Journal of Organic Evolution, 2005, 59, 1372-1382.	1.1	135
22	Bovine microsatellite loci are highly conserved in red deer (Cervus elaphus), sika deer (Cervus nippon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	130
23	Relative allocation to horn and body growth in bighorn rams varies with resource availability. Behavioral Ecology, 2004, 15, 305-312.	1.0	128
24	Intense selective hunting leads to artificial evolution in horn size. Evolutionary Applications, 2016, 9, 521-530.	1.5	127
25	Ontogenetic Patterns in Heritable Variation for Body Size: Using Random Regression Models in a Wild Ungulate Population. American Naturalist, 2005, 166, E177-E192.	1.0	114
26	Age-dependent genetic effects on a secondary sexual trait in male Alpine ibex, Capra ibex. Molecular Ecology, 2007, 16, 1969-1980.	2.0	114
27	Detecting population structure using STRUCTURE software: effect of background linkage disequilibrium. Heredity, 2007, 99, 374-380.	1.2	100
28	Genetic subdivision and candidate genes under selection in North American grey wolves. Molecular Ecology, 2016, 25, 380-402.	2.0	100
29	Rapidly declining fine-scale spatial genetic structure in female red deer. Molecular Ecology, 2005, 14, 3395-3405.	2.0	96
30	Quantitative genetics of growth and cryptic evolution of body size in an island population. Evolutionary Ecology, 2007, 21, 337-356.	0.5	91
31	Male mating success in an aquatically mating pinniped, the harbour seal (Phoca vitulina), assessed by microsatellite DNA markers. Molecular Ecology, 1998, 7, 627-638.	2.0	90
32	PCR primers for harbour seal (Phoca vitulina concolour) microsatellites amplify polymorphic loci in other pinniped species. Molecular Ecology, 1996, 5, 161-163.	2.0	85
33	Evidence for cryptic glacial refugia from North American mountain sheep mitochondrial DNA. Journal of Evolutionary Biology, 2006, 19, 419-430.	0.8	84
34	SELECTION ON HERITABLE SEASONAL PHENOTYPIC PLASTICITY OF BODY MASS. Evolution; International Journal of Organic Evolution, 2007, 61, 1969-1979.	1.1	84
35	Estimating genome-wide heterozygosity: effects of demographic history and marker type. Heredity, 2014, 112, 240-247.	1.2	84
36	Low heritabilities, but genetic and maternal correlations between red squirrel behaviours. Journal of Evolutionary Biology, 2012, 25, 614-624.	0.8	83

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37	A genomeâ€wide set of SNPs detects population substructure and long range linkage disequilibrium in wild sheep. Molecular Ecology Resources, 2011, 11, 314-322.	2.2	80
38	Genomic consequences of genetic rescue in an insular population of bighorn sheep (Ovis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.0	80
39	Fatherâ€“offspring phenotypic correlations suggest intralocus sexual conflict for a fitness-linked trait in a wild sexually dimorphic mammal. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4067-4075.	1.2	78
40	Estimating the prevalence of inbreeding from incomplete pedigrees. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1533-1539.	1.2	77
41	GENETIC CONSTRAINTS AND SEXUAL DIMORPHISM IN IMMUNE DEFENSE. Evolution; International Journal of Organic Evolution, 2005, 59, 1844-1850.	1.1	76
42	Quantitative genetics and sex-specific selection on sexually dimorphic traits in bighorn sheep. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 623-628.	1.2	76
43	Genetic structure of invasive earthwormsDendrobaena octaedrain the boreal forest of Alberta: insights into introduction mechanisms. Molecular Ecology, 2008, 17, 1189-1197.	2.0	73
44	Will human influences on evolutionary dynamics in the wild pervade the Anthropocene?. BMC Biology, 2018, 16, 7.	1.7	73
45	Globally dispersed Y chromosomal haplotypes in wild and domestic sheep. Animal Genetics, 2006, 37, 444-453.	0.6	72
46	HOT SPOTS OF GENETIC DIVERSITY DESCENDED FROM MULTIPLE PLEISTOCENE REFUGIA IN AN ALPINE UNGULATE. Evolution; International Journal of Organic Evolution, 2011, 65, 125-138.	1.1	72
47	Habitat selection predicts genetic relatedness in an alpine ungulate. Ecology, 2012, 93, 1317-1329.	1.5	71
48	Assessment of identity disequilibrium and its relation to empirical heterozygosity fitness correlations: a metaâ€analysis. Molecular Ecology, 2014, 23, 1899-1909.	2.0	71
49	Balancing foraging and reproduction in the male harbour seal, an aquatically mating pinniped. Animal Behaviour, 1997, 54, 663-678.	0.8	70
50	How the Mountain Pine Beetle (Dendroctonus ponderosae) Breached the Canadian Rocky Mountains. Molecular Biology and Evolution, 2014, 31, 1803-1815.	3.5	70
51	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. Science, 2022, 376, 1012-1016.	6.0	69
52	MATERNAL EFFECTS INFLUENCE THE SEXUAL BEHAVIOR OF SONS AND DAUGHTERS IN THE ZEBRA FINCH. Evolution; International Journal of Organic Evolution, 2004, 58, 2574-2583.	1.1	68
53	SELECTION ON MOTHERS AND OFFSPRING: WHOSE PHENOTYPE IS IT AND DOES IT MATTER?. Evolution; International Journal of Organic Evolution, 2005, 59, 451-463.	1.1	68
54	Molecular analysis of a promiscuous, fluctuating mating system. Biological Journal of the Linnean Society, 1999, 68, 289-301.	0.7	67

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55	Male mate choice influences female promiscuity in Soay sheep. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 365-373.	1.2	67
56	Unexpected heterozygosity in an island mouflon population founded by a single pair of individuals. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 527-533.	1.2	67
57	The use of marker-based relationship information to estimate the heritability of body weight in a natural population: a cautionary tale. Journal of Evolutionary Biology, 2002, 15, 92-99.	0.8	66
58	Sexâ€based differences in the adaptive value of social behavior contrasted against morphology and environment. Ecology, 2015, 96, 631-641.	1.5	66
59	Sexually selected behaviour: red squirrel males search for reproductive success. Journal of Animal Ecology, 2009, 78, 296-304.	1.3	65
60	Molecular ecological approaches to studying the evolutionary impact of selective harvesting in wildlife. Molecular Ecology, 2008, 17, 221-235.	2.0	64
61	Broad and fine-scale genetic analysis of white-tailed deer populations: estimating the relative risk of chronic wasting disease spread. Evolutionary Applications, 2011, 4, 116-131.	1.5	63
62	Population genetic structure of North American thinhorn sheep (Ovis dalli). Molecular Ecology, 2004, 13, 2545-2556.	2.0	62
63	CanSINEs: a family of tRNA-derived retroposons specific to the superfamily Canoidea. Nucleic Acids Research, 1994, 22, 2726-2730.	6.5	57
64	Spatial Genetic Structure of a Symbiotic Beetle-Fungal System: Toward Multi-Taxa Integrated Landscape Genetics. PLoS ONE, 2011, 6, e25359.	1.1	57
65	Testing marker-based estimates of heritability in the wild. Molecular Ecology, 2005, 14, 2593-2599.	2.0	56
66	Female multiple mating and paternity in free-ranging North American red squirrels. Animal Behaviour, 2008, 75, 1927-1937.	0.8	56
67	Consistent divergence times and allele sharing measured from crossâ€species application of <scp>SNP</scp> chips developed for three domestic species. Molecular Ecology Resources, 2012, 12, 1145-1150.	2.2	56
68	Population structure of iceâ€breeding seals. Molecular Ecology, 2008, 17, 3078-3094.	2.0	55
69	Mating order and reproductive success in male Columbian ground squirrels (Urocitellus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	53
70	A quantitative genetic analysis of hibernation emergence date in a wild population of Columbian ground squirrels. Journal of Evolutionary Biology, 2011, 24, 1949-1959.	0.8	53
71	Modelling landscape effects on densityâ€“contact rate relationships of deer in eastern Alberta: Implications for chronic wasting disease. Ecological Modelling, 2011, 222, 2722-2732.	1.2	53
72	Characterizing the physical and genetic structure of the lodgepole pineÂÃ—Âjack pine hybrid zone: mosaic structure and differential introgression. Evolutionary Applications, 2012, 5, 879-891.	1.5	53

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73	Spatial genetic structure of the mountain pine beetle (Dendroctonus ponderosae) outbreak in western Canada: historical patterns and contemporary dispersal. Molecular Ecology, 2012, 21, 2931-2948.	2.0	53
74	Circumpolar Genetic Structure and Recent Gene Flow of Polar Bears: A Reanalysis. PLoS ONE, 2016, 11, e0148967.	1.1	52
75	Panmictic population structure in the hooded seal (Cystophora cristata). Molecular Ecology, 2007, 16, 1639-1648.	2.0	50
76	Polymorphisms at thePRNPGene Influence Susceptibility to Chronic Wasting Disease in Two Species of Deer (OdocoileusSpp.) in Western Canada. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2009, 72, 1025-1029.	1.1	49
77	Comparative phylogeography, genetic differentiation and contrasting reproductive modes in three fungal symbionts of a multipartite bark beetle symbiosis. Molecular Ecology, 2011, 20, 584-600.	2.0	48
78	Evidence of adoption, monozygotic twinning, and low inbreeding rates in a large genetic pedigree of polar bears. Polar Biology, 2016, 39, 1455-1465.	0.5	48
79	Low MHC DRB class II diversity in the mountain goat: past bottlenecks and possible role of pathogens and parasites. Conservation Genetics, 2007, 8, 885-891.	0.8	47
80	Genetic relatedness of mates does not predict patterns of parentage in North American red squirrels. Animal Behaviour, 2007, 74, 611-619.	0.8	46
81	Genome variability in European and American bison detected using the BovineSNP50 BeadChip. Conservation Genetics, 2010, 11, 627-634.	0.8	46
82	Design of a 9K illumina BeadChip for polar bears (<scp>U</scp>rsus maritimus) from <scp>RAD</scp> and transcriptome sequencing. Molecular Ecology Resources, 2015, 15, 587-600.	2.2	45
83	A multivariate analysis of phenotype and paternity in male harbor seals, Phoca vitulina, at Sable Island, Nova Scotia. Behavioral Ecology, 1999, 10, 169-177.	1.0	43
84	No inbreeding avoidance in an isolated population of bighorn sheep. Animal Behaviour, 2010, 80, 865-871.	0.8	43
85	Very low levels of direct additive genetic variance in fitness and fitness components in a red squirrel population. Ecology and Evolution, 2014, 4, 1729-1738.	0.8	43
86	Population structure and genetic diversity of greater sage-grouse (Centrocercus urophasianus) in fragmented landscapes at the northern edge of their range. Conservation Genetics, 2011, 12, 527-542.	0.8	42
87	Something Darwin didn't know about barnacles: spermcast mating in a common stalked species. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122919.	1.2	42
88	Sex-ratio variation in Soay sheep. Behavioral Ecology and Sociobiology, 2002, 53, 25-30.	0.6	41
89	Adopting kin enhances inclusive fitness in asocial red squirrels. Nature Communications, 2010, 1, 22.	5.8	40
90	Multilocus heterozygosity, parental relatedness and individual fitness components in a wild mountain goat, Oreamnos americanus population. Molecular Ecology, 2009, 18, 2297-2306.	2.0	39

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91	Isolation of 18 polymorphic microsatellite loci from the North American red squirrel, Tamiasciurus hudsonicus (Sciuridae, Rodentia), and their cross-utility in other species. Molecular Ecology Notes, 2005, 5, 650-653.	1.7	38
92	Genetic linkage map of a wild genome: genomic structure, recombination and sexual dimorphism in bighorn sheep. BMC Genomics, 2010, 11, 524.	1.2	38
93	Environmental and evolutionary effects on horn growth of male bighorn sheep. Oikos, 2017, 126, 1031-1041.	1.2	38
94	Detecting the signature of selection on immune genes in highly structured populations of wild sheep (Ovis dalli). Molecular Ecology, 2006, 15, 623-637.	2.0	37
95	Sex-differential effects of inbreeding on overwinter survival, birth date and mass of bighorn lambs. Journal of Evolutionary Biology, 2011, 24, 121-131.	0.8	36
96	The Energetics of Male Reproduction in an Aquatically Mating Pinniped, the Harbour Seal. Physiological Zoology, 1998, 71, 387-399.	1.5	35
97	Chronic wasting disease: Possible transmission mechanisms in deer. Ecological Modelling, 2013, 250, 244-257.	1.2	35
98	Selection and genetic (co)variance in bighorn sheep. Evolution; International Journal of Organic Evolution, 2005, 59, 1372-82.	1.1	34
99	Multiscale population genetic analysis of mule deer (OdocoileusÂhemionus hemionus) in western Canada sheds new light on the spread of chronic wasting disease. Canadian Journal of Zoology, 2011, 89, 134-147.	0.4	33
100	QTL mapping for sexually dimorphic fitness-related traits in wild bighorn sheep. Heredity, 2012, 108, 256-263.	1.2	33
101	Genetic decline, restoration and rescue of an isolated ungulate population. Evolutionary Applications, 2019, 12, 1318-1328.	1.5	33
102	Familiar Neighbors, but Not Relatives, Enhance Fitness in a Territorial Mammal. Current Biology, 2021, 31, 438-445.e3.	1.8	33
103	Familiarity with neighbours affects intrusion risk in territorial red squirrels. Animal Behaviour, 2017, 133, 11-20.	0.8	32
104	Temporal dynamics of genetic variability in a mountain goat (Oreamnos americanus) population. Molecular Ecology, 2011, 20, 1601-1611.	2.0	31
105	Crossâ€species outlier detection reveals different evolutionary pressures between sister species. New Phytologist, 2014, 204, 215-229.	3.5	31
106	Molecular phylogeny of North American Branchiobdellida (Annelida: Clitellata). Molecular Phylogenetics and Evolution, 2013, 66, 30-42.	1.2	30
107	Formation of manganese oxide plaque on rice roots in solution culture under varying pH and manganese (Mn²⁺) concentration conditions. Journal of Plant Nutrition, 1993, 16, 589-599.	0.9	29
108	A standard set of polymorphic microsatellites for threatened mountain ungulates (Caprini,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	1.7	29

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109	Past bottlenecks and current population fragmentation of endangered huemul deer (Hippocamelus) Tj ETQq1 1 0.784314 rgBT /Over	0.8	29
110	Genomeâ€wide set of <scp>SNP</scp>s reveals evidence for two glacial refugia and admixture from postglacial recolonization in an alpine ungulate. Molecular Ecology, 2016, 25, 3696-3705.	2.0	29
111	Genetic Testing for TMEM154 Mutations Associated with Lentivirus Susceptibility in Sheep. PLoS ONE, 2013, 8, e55490.	1.1	28
112	Red squirrels use territorial vocalizations for kin discrimination. Animal Behaviour, 2015, 107, 79-85.	0.8	27
113	Evolutionary rebound from selective harvesting. Trends in Ecology and Evolution, 2008, 23, 117-118.	4.2	26
114	Short Reads, Circular Genome: Skimming SOLiD Sequence to Construct the Bighorn Sheep Mitochondrial Genome. Journal of Heredity, 2012, 103, 140-146.	1.0	26
115	Targeting the detection of chronic wasting disease using the hunter harvest during early phases of an outbreak in Saskatchewan, Canada. Preventive Veterinary Medicine, 2012, 104, 149-159.	0.7	26
116	A quantitative trait locus analysis of personality in wild bighorn sheep. Ecology and Evolution, 2013, 3, 474-481.	0.8	26
117	A species-diagnostic SNP panel for discriminating lodgepole pine, jack pine, and their interspecific hybrids. Tree Genetics and Genomes, 2013, 9, 1119-1127.	0.6	26
118	The nature of nurture in a wild mammal's fitness. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142422.	1.2	26
119	Phenological shifts in North American red squirrels: disentangling the roles of phenotypic plasticity and microevolution. Journal of Evolutionary Biology, 2018, 31, 810-821.	0.8	26
120	The new kid on the block: immigrant males win big whereas females pay fitness cost after dispersal. Ecology Letters, 2020, 23, 430-438.	3.0	26
121	Birds of a Feather do not Always Lek Together: Genetic Diversity and Kinship Structure of Greater Sage-Grouse (Centrocercus urophasianus) in Alberta. Auk, 2010, 127, 343-353.	0.7	25
122	Phylogeographic insights into an irruptive pest outbreak. Ecology and Evolution, 2012, 2, 908-919.	0.8	25
123	The genetic signature of rapid range expansions: How dispersal, growth and invasion speed impact heterozygosity and allele surfing. Theoretical Population Biology, 2014, 98, 1-10.	0.5	25
124	Paternal reproductive success drives sex allocation in a wild mammal. Evolution; International Journal of Organic Evolution, 2016, 70, 358-368.	1.1	25
125	Heritability of body size in the polar bears of Western Hudson Bay. Molecular Ecology Resources, 2018, 18, 854-866.	2.2	25
126	Genomeâ€wide crossâ€amplification of domestic sheep microsatellites in bighorn sheep and mountain goats. Molecular Ecology Resources, 2009, 9, 1121-1126.	2.2	24

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127	Postâ€weaning parental care increases fitness but is not heritable in North American red squirrels. Journal of Evolutionary Biology, 2015, 28, 1203-1212.	0.8	24
128	Towards robust evolutionary inference with integral projection models. Journal of Evolutionary Biology, 2017, 30, 270-288.	0.8	24
129	Indirect effects on fitness between individuals that have never met via an extended phenotype. Ecology Letters, 2019, 22, 697-706.	3.0	24
130	Male reproductive tactics to increase paternity in the polygynandrous Columbian ground squirrel (Urocitellus columbianus). Behavioral Ecology and Sociobiology, 2011, 65, 695-706.	0.6	23
131	The secret sex lives of sage-grouse: multiple paternity and intraspecific nest parasitism revealed through genetic analysis. Behavioral Ecology, 2013, 24, 29-38.	1.0	23
132	Demographic drivers of ageâ€dependent sexual selection. Journal of Evolutionary Biology, 2016, 29, 1437-1446.	0.8	23
133	Fineâ€scale genetic correlates to condition and migration in a wild cervid. Evolutionary Applications, 2014, 7, 937-948.	1.5	22
134	The heritability of multiple male mating in a promiscuous mammal. Biology Letters, 2011, 7, 368-371.	1.0	21
135	(Lack of) Genetic Diversity in Immune Genes Predates Glacial Isolation in the North American Mountain Goat (Oreamnos americanus). Journal of Heredity, 2012, 103, 371-379.	1.0	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. G3: Genes, Genomes, Genetics, 2019, 9, 911-919.	0.8	21
137	Social effects of territorial neighbours on the timing of spring breeding in North American red squirrels. Journal of Evolutionary Biology, 2019, 32, 559-571.	0.8	20
138	Harnessing cross-species alignment to discover SNPs and generate a draft genome sequence of a bighorn sheep (Ovis canadensis). BMC Genomics, 2015, 16, 397.	1.2	19
139	MICROSATELLITE MEASURES OF INBREEDING: A META-ANALYSIS. Evolution; International Journal of Organic Evolution, 2003, 57, 971.	1.1	18
140	MC1R variants correlate with thinhorn sheep colour cline but not individual colour. Canadian Journal of Zoology, 2008, 86, 147-150.	0.4	18
141	Predicting the spread-risk potential of chronic wasting disease to sympatric ungulate species. Prion, 2020, 14, 56-66.	0.9	18
142	Genomic analysis of morphometric traits in bighorn sheep using the Ovine Infinium^{Â®}ÂHD SNP BeadChip. PeerJ, 2018, 6, e4364.	0.9	18
143	Depauperate genetic variability detected in the American and European bison using genomic techniques. Biology Direct, 2009, 4, 48.	1.9	17
144	Fluctuating effects of genetic and plastic changes in body mass on population dynamics in a large herbivore. Ecology, 2017, 98, 2456-2467.	1.5	17

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145	Differentiation by dispersal. Nature, 2005, 433, 23-24.	13.7	15
146	No experimental effects of parasite load on male mating behaviour and reproductive success. Animal Behaviour, 2011, 82, 673-682.	0.8	15
147	Does reduced heterozygosity influence dispersal? A test using spatially structured populations in an alpine ungulate. Biology Letters, 2011, 7, 433-435.	1.0	15
148	Effects of introgression on the genetic population structure of two ecologically and economically important conifer species: lodgepole pine (Pinus contortavar.latifolia) and jack pine (Pinus banksiana). Genome, 2013, 56, 577-585.	0.9	15
149	Juxtaposition between host population structures: implications for disease transmission in a sympatric cervid community. Evolutionary Applications, 2013, 6, 1001-1011.	1.5	15
150	Population structure and dispersal of wolves in the Canadian Rocky Mountains. Journal of Mammalogy, 2016, 97, 839-851.	0.6	15
151	Polygamy and an absence of fine-scale structure in Dendroctonus ponderosae (Hopk.) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	15
152	Characterization of 29 polymorphic artiodactyl microsatellite markers for the mountain goat (Oreamnos americanus). Molecular Ecology Notes, 2005, 5, 809-811.	1.7	14
153	Genetic diversity and structure in Canadian northern leopard frog (Rana pipiens) populations: implications for reintroduction programs. Canadian Journal of Zoology, 2008, 86, 863-874.	0.4	14
154	Daily energy expenditure during lactation is strongly selected in a freeâ€living mammal. Functional Ecology, 2015, 29, 195-208.	1.7	14
155	Multiscale analysis reveals restricted gene flow and a linear gradient in heterozygosity for an island population of feral horses. Canadian Journal of Zoology, 2009, 87, 310-316.	0.4	13
156	The ontogeny of crossâ€sex genetic correlations: an analysis of patterns. Journal of Evolutionary Biology, 2009, 22, 2558-2562.	0.8	13
157	Phylogenetic relationships among the European and American bison and seven cattle breeds reconstructed using the BovineSNP50 Illumina Genotyping BeadChip. Acta Theriologica, 2010, 55, 97-108.	1.1	13
158	Not surprisingly, no inheritance of a trait results in no evolution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4810.	3.3	13
159	Evaluation of 16 loci to examine the crossâ€species utility of single nucleotide polymorphism arrays. Animal Genetics, 2010, 41, 199-202.	0.6	12
160	Sexually selected infanticide by male red squirrels in advance of a mast year. Ecology, 2018, 99, 1242-1244.	1.5	12
161	Seeing the whole picture: What molecular ecology is gaining from whole genomes. Molecular Ecology, 2021, 30, 5917-5922.	2.0	12
162	Spatial and genetic structure of the lodgepole Ã— jack pine hybrid zone. Canadian Journal of Forest Research, 2019, 49, 844-853.	0.8	11

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163	Sex- and context-specific associations between personality and a measure of fitness but no link with life history traits. Animal Behaviour, 2020, 167, 23-39.	0.8	11
164	Local effects of inbreeding on embryo number and consequences for genetic diversity in Kerguelen mouflon. Biology Letters, 2008, 4, 504-507.	1.0	10
165	Temporal dynamics of linkage disequilibrium in two populations of bighorn sheep. Ecology and Evolution, 2015, 5, 3401-3412.	0.8	10
166	Microsatellites at a common site in the second ORF of L1 elements in mammalian genomes. Mammalian Genome, 1996, 7, 386-387.	1.0	9
167	Determinants and longâ€term costs of early reproduction in males of a longâ€lived polygynous mammal. Ecology and Evolution, 2021, 11, 6829-6845.	0.8	9
168	Extent and direction of introgressive hybridization of mule and whiteâ€tailed deer in western Canada. Evolutionary Applications, 2021, 14, 1914-1925.	1.5	9
169	The effects of cyclic dynamics and mating system on the effective size of an island mouflon population. Molecular Ecology, 2007, 16, 4482-4492.	2.0	8
170	Deciphering translocations from relicts in Baranof Island mountain goats: is an endemic genetic lineage at risk?. Conservation Genetics, 2011, 12, 1261-1268.	0.8	8
171	Sexually antagonistic association between paternal phenotype and offspring viability reinforces total selection on a sexually selected trait. Biology Letters, 2014, 10, 20140043.	1.0	8
172	GENETIC CONSTRAINTS AND SEXUAL DIMORPHISM IN IMMUNE DEFENSE. Evolution; International Journal of Organic Evolution, 2005, 59, 1844.	1.1	7
173	Genetic Structure of Muskrat (Ondatra zibethicus) and Its Concordance with Taxonomy in North America. Journal of Heredity, 2011, 102, 688-696.	1.0	7
174	Genomic Resources Notes accepted 1 June 2013-31 July 2013. Molecular Ecology Resources, 2014, 14, 218-218.	2.2	7
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