

Curtis Strobeck

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

6,959
citations

66343

42
h-index

58581

82
g-index

88
all docs

88
docs citations

88
times ranked

5426
citing authors

#	ARTICLE	IF	CITATIONS
1	Undesirable evolutionary consequences of trophy hunting. <i>Nature</i> , 2003, 426, 655-658.	27.8	666
2	An Empirical Evaluation of Genetic Distance Statistics Using Microsatellite Data From Bear (Ursidae) Populations. <i>Genetics</i> , 1997, 147, 1943-1957.	2.9	330
3	Genetic signatures of interpopulation dispersal. <i>Trends in Ecology and Evolution</i> , 1998, 13, 43-44.	8.7	318
4	Gene flow between insular, coastal and interior populations of brown bears in Alaska. <i>Molecular Ecology</i> , 1998, 7, 1283-1292.	3.9	297
5	Age-dependent sexual selection in bighorn rams. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 165-172.	2.6	276
6	Average Number of Nucleotide Differences in a Sample From a Single Subpopulation: A Test for Population Subdivision. <i>Genetics</i> , 1987, 117, 149-153.	2.9	235
7	Estimating Population Size of Grizzly Bears Using Hair Capture, DNA Profiling, and Mark-Recapture Analysis. <i>Journal of Wildlife Management</i> , 2000, 64, 183.	1.8	231
8	Characterization of microsatellite loci in caribou <i>Rangifer tarandus</i> , and their use in other artiodactyls. <i>Molecular Ecology</i> , 1997, 6, 697-699.	3.9	228
9	Genetic structure of the world's polar bear populations. <i>Molecular Ecology</i> , 1999, 8, 1571-1584.	3.9	227
10	Variation in Genetic Diversity across the Range of North American Brown Bears. <i>Conservation Biology</i> , 1998, 12, 418-429.	4.7	220
11	Influence of landscape on the population genetic structure of the alpine butterfly <i>Parnassius smintheus</i> (Papilionidae). <i>Molecular Ecology</i> , 1999, 8, 1481-1495.	3.9	185
12	Molecular phylogeny of the Arctoidea (Carnivora): Effect of missing data on supertree and supermatrix analyses of multiple gene data sets. <i>Molecular Phylogenetics and Evolution</i> , 2006, 41, 165-181.	2.7	155
13	Population fragmentation and inter-ecosystem movements of grizzly bears in western Canada and the northern United States. <i>Wildlife Monographs</i> , 2012, 180, 1-46.	3.0	150
14	Genetic analysis reveals demographic fragmentation of grizzly bears yielding vulnerably small populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2409-2416.	2.6	149
15	Isolation, variability, and cross-species amplification of polymorphic microsatellite loci in the family Mustelidae. <i>Molecular Ecology</i> , 1998, 7, 1776-1778.	3.9	143
16	EXPECTED LINKAGE DISEQUILIBRIUM FOR A NEUTRAL LOCUS LINKED TO A CHROMOSOMAL ARRANGEMENT. <i>Genetics</i> , 1983, 103, 545-555.	2.9	132
17	Gender-specific dispersal distances of grizzly bears estimated by genetic analysis. <i>Canadian Journal of Zoology</i> , 2004, 82, 1108-1118.	1.0	125
18	Among- and within-patch components of genetic diversity respond at different rates to habitat fragmentation: an empirical demonstration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 553-560.	2.6	121

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19	Prey specialization may influence patterns of gene flow in wolves of the Canadian Northwest. <i>Molecular Ecology</i> , 2001, 10, 2787-2798.	3.9	116
20	Genetic differentiation and gene flow among populations of the alpine butterfly, <i>Parnassius smintheus</i> , vary with landscape connectivity. <i>Molecular Ecology</i> , 2005, 14, 1897-1909.	3.9	115
21	N Species Competition. <i>Ecology</i> , 1973, 54, 650-654.	3.2	111
22	Genetic structure of North American wolverine (<i>Gulo gulo</i>) populations. <i>Molecular Ecology</i> , 2001, 10, 337-347.	3.9	94
23	SAMPLING DESIGN AND BIAS IN DNA-BASED CAPTURE-RECAPTURE POPULATION AND DENSITY ESTIMATES OF GRIZZLY BEARS. <i>Journal of Wildlife Management</i> , 2004, 68, 457-469.	1.8	94
24	Multiple fossil calibrations, nuclear loci and mitochondrial genomes provide new insight into biogeography and divergence timing for true seals (<i>Phocidae</i> , <i>Pinnipedia</i>). <i>Journal of Biogeography</i> , 2010, 37, 814-829.	3.0	93
25	Microsatellite loci in Columbian ground squirrels <i>Spermophilus columbianus</i> . <i>Molecular Ecology</i> , 1997, 6, 493-495.	3.9	91
26	The Population Genetics of Somatic Mutation in Plants. <i>American Naturalist</i> , 1985, 126, 52-62.	2.1	88
27	A phylogeny of the Caniformia (order Carnivora) based on 12 complete protein-coding mitochondrial genes. <i>Molecular Phylogenetics and Evolution</i> , 2005, 37, 192-201.	2.7	85
28	Phylogeny of Wapiti, Red Deer, Sika Deer, and Other North American Cervids as Determined from Mitochondrial DNA. <i>Molecular Phylogenetics and Evolution</i> , 1998, 10, 249-258.	2.7	74
29	THE EFFECT OF INTRAGENIC RECOMBINATION ON THE NUMBER OF ALLELES IN A FINITE POPULATION. <i>Genetics</i> , 1978, 88, 829-844.	2.9	73
30	Mitochondrial DNA and the phylogeography of Newfoundland black bears. <i>Canadian Journal of Zoology</i> , 1996, 74, 192-196.	1.0	68
31	Microsatellite analysis of North American wapiti (<i>Cervus elaphus</i>) populations. <i>Molecular Ecology</i> , 2000, 9, 1561-1576.	3.9	68
32	A Phylogenetic Comparison of Red Deer and Wapiti Using Mitochondrial DNA. <i>Molecular Phylogenetics and Evolution</i> , 2002, 22, 342-356.	2.7	66
33	Fluctuating asymmetry and developmental stability: heritability of observable variation vs. heritability of inferred cause. <i>Journal of Evolutionary Biology</i> , 1997, 10, 39.	1.7	66
34	Multiple markers and multiple individuals refine true seal phylogeny and bring molecules and morphology back in line. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1065-1070.	2.6	63
35	A phylogeny of the extant <i>Phocidae</i> inferred from complete mitochondrial DNA coding regions. <i>Molecular Phylogenetics and Evolution</i> , 2004, 33, 363-377.	2.7	61
36	Evolution of the Ribosomal DNA Spacers of <i>Drosophila melanogaster</i> : Different Patterns of Variation on <i>X</i> and <i>Y</i> Chromosomes. <i>Genetics</i> , 1987, 116, 225-232.	2.9	61

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37	CONNECTIVITY OF PERIPHERAL AND CORE POPULATIONS OF NORTH AMERICAN WOLVERINES. <i>Journal of Mammalogy</i> , 2002, 83, 1141-1150.	1.3	59
38	Conserved Primers for Rapid Sequencing of the Complete Mitochondrial Genome from Carnivores, Applied to Three Species of Bears. <i>Molecular Biology and Evolution</i> , 2002, 19, 357-361.	8.9	58
39	Novel phylogeny of the raccoon family (Procyonidae: Carnivora) based on nuclear and mitochondrial DNA evidence. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 1171-1177.	2.7	55
40	Population structure of ice-bearing breeding seals. <i>Molecular Ecology</i> , 2008, 17, 3078-3094.	3.9	55
41	Dinucleotide microsatellite markers from the Antarctic seals and their use in other Pinnipeds. <i>Molecular Ecology Notes</i> , 2002, 2, 203-208.	1.7	49
42	Genetic homogeneity of Canadian mainland marten populations underscores the distinctiveness of Newfoundland pine martens (<i>Martes americana atrata</i>). <i>Canadian Journal of Zoology</i> , 2003, 81, 57-66.	1.0	44
43	The Use of Cytochrome b Sequence Variation in Estimation of Phylogeny in the Vireonidae. <i>Condor</i> , 1994, 96, 1037-1054.	1.6	42
44	Genetic variation and structure of fisher (<i>Martes pennanti</i>) populations across North America. <i>Molecular Ecology</i> , 2001, 10, 2341-2347.	3.9	40
45	Sufficient Conditions for Polymorphism with N Niches and M Mating Groups. <i>American Naturalist</i> , 1974, 108, 152-156.	2.1	40
46	Selection in a Fine-Grained Environment. <i>American Naturalist</i> , 1975, 109, 419-425.	2.1	39
47	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
48	Title is missing!. <i>Conservation Genetics</i> , 2003, 4, 179-188.	1.5	37
49	Necessary and Sufficient Conditions for Multiple-Niche Polymorphism in Haploids. <i>American Naturalist</i> , 1975, 109, 233-235.	2.1	36
50	Bovine mtDNA Discovered in North American Bison Populations. <i>Conservation Biology</i> , 1995, 9, 1638.	4.7	35
51	Genetic Variation and Population Structure in Big Brown Bats (<i>Eptesicus fuscus</i>): Is Female Dispersal Important?. <i>Journal of Mammalogy</i> , 2008, 89, 1411-1420.	1.3	35
52	PARTIAL SELFING AND LINKAGE: THE EFFECT OF A HETEROTIC LOCUS ON A NEUTRAL LOCUS. <i>Genetics</i> , 1979, 92, 305-315.	2.9	34
53	Development and characterization of microsatellite loci from lynx (<i>Lynx canadensis</i>), and their use in other felids. <i>Molecular Ecology</i> , 2000, 9, 2197-2199.	3.9	33
54	Reproductive success in wood bison (<i>Bison bison athabascae</i>) established using molecular techniques. <i>Canadian Journal of Zoology</i> , 2002, 80, 1537-1548.	1.0	28

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55	Characterization of dinucleotide microsatellite loci in big brown bats (<i>Eptesicus fuscus</i>), and their use in other North American vespertilionid bats. <i>Molecular Ecology Notes</i> , 2002, 2, 167-169.	1.7	28
56	Arctic fox <i>Vulpes lagopus</i> population structure: circumpolar patterns and processes. <i>Oikos</i> , 2011, 120, 873-885.	2.7	28
57	Is intragenic recombination a factor in the maintenance of genetic variation in natural populations?. <i>Nature</i> , 1979, 277, 383-384.	27.8	27
58	MOLECULAR EVIDENCE FOR TWINNING IN WEDDELL SEALS (<i>LEPTONYCHOTES WEDDELLII</i>). <i>Journal of Mammalogy</i> , 2001, 82, 491-499.	1.3	27
59	Effects of a recent founding event and intrinsic population dynamics on genetic diversity in an ungulate population. <i>Conservation Genetics</i> , 2006, 6, 905-916.	1.5	26
60	The geometry of random drift I. Stochastic distance and diffusion. <i>Advances in Applied Probability</i> , 1977, 9, 238-249.	0.7	25
61	Sister chromatid exchange and the evolution of rDNA spacer length. <i>Journal of Theoretical Biology</i> , 1985, 116, 625-636.	1.7	25
62	Haploid Selection with n Alleles in m Niches. <i>American Naturalist</i> , 1979, 113, 439-444.	2.1	25
63	Genetic relationships of grizzly bears (<i>Ursus arctos</i>) in the Prudhoe Bay region of Alaska: inference from microsatellite DNA, mitochondrial DNA, and field observations. , 1999, 90, 622-628.		24
64	Northwest passages: conservation genetics of Arctic Island wolves. <i>Conservation Genetics</i> , 2008, 9, 879-892.	1.5	23
65	Microsatellite analysis of North American pine marten (<i>Martes americana</i>) populations from the Yukon and Northwest Territories. <i>Canadian Journal of Zoology</i> , 2000, 78, 1150-1157.	1.0	23
66	Isolation of novel microsatellite loci in the Rocky Mountain apollo butterfly, <i>Parnassius smintheus</i> . <i>Hereditas</i> , 2002, 136, 247-250.	1.4	22
67	History and fate of a small isolated population of Weddell seals at White Island, Antarctica. <i>Conservation Genetics</i> , 2010, 11, 721-735.	1.5	20
68	Fine-scale genetic structure and dispersal in Canada lynx (<i>Lynx canadensis</i>) within Alberta, Canada. <i>Canadian Journal of Zoology</i> , 2006, 84, 1112-1119.	1.0	19
69	Estimation of the neutral mutation rate in a finite population from DNA sequence data. <i>Theoretical Population Biology</i> , 1983, 24, 160-172.	1.1	17
70	Characterization of microsatellite loci in northern flying squirrels (<i>Glaucomys sabrinus</i>). <i>Molecular Ecology</i> , 2000, 9, 826-827.	3.9	17
71	Characterization of microsatellite loci in bannertailed and giant kangaroo rats, <i>Dipodomys spectabilis</i> and <i>Dipodomys ingens</i> . <i>Molecular Ecology</i> , 2000, 9, 642-644.	3.9	16
72	Restriction fragment polymorphisms in the rDNA region among seven species of <i>Alnus</i> and <i>Betula papyrifera</i> . <i>Plant and Soil</i> , 1989, 118, 231-240.	3.7	15

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73	Genetic relationships among North American bison populations. Canadian Journal of Zoology, 1996, 74, 738-749.	1.0	15
74	GENOTYPING OF PSEUDOHERMAPHRODITE POLAR BEARS IN NUNAVUT AND ADVANCES IN DNA SEXING TECHNIQUES. Journal of Mammalogy, 2005, 86, 160-169.	1.3	15
75	The isolation and characterization of microsatellite loci in bison, and their usefulness in other artiodactyls. Animal Genetics, 1999, 30, 226-227.	1.7	14
76	Pollen-mediated gene flow from transgenic safflower (<i>Carthamus tinctorius</i> L.) intended for plant molecular farming to conventional safflower. Environmental Biosafety Research, 2009, 8, 19-32.	1.1	13
77	Genetic variation within and relatedness among wood and plains bison populations. Genome, 1999, 42, 483-496.	2.0	11
78	Structure of the intergenic spacer region from the ribosomal RNA gene family of white spruce (<i>Picea</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	10
79	GENETIC STRUCTURE OF SENSITIVE AND ENDANGERED NORTHWESTERN BADGER POPULATIONS (TAXIDEA) Tj ETQq1 1 0.784314 rgBT	1.3	10
80	HETEROZYGOSITY IN PIN-THRUM PLANTS OR WITH PARTIAL SEX LINKAGE. Genetics, 1972, 72, 667-678.	2.9	9
81	The three locus model with multiplicative fitness values. Genetical Research, 1973, 22, 195-200.	0.9	7
82	Evolutionary applications of MIRs and SINEs. Animal Genetics, 1999, 30, 47-51.	1.7	7
83	Phylogenetic status of North American wapiti(<i>Cervus elaphus</i>) subspecies. Canadian Journal of Zoology, 1998, 76, 998-1010.	1.0	4
84	The two locus model by different recombination values in the two sexes. Advances in Applied Probability, 1975, 7, 23-26.	0.7	3
85	THE TWO-LOCUS MODEL WITH SEX DIFFERENCES IN RECOMBINATION. Genetics, 1974, 78, 791-797.	2.9	2
86	Outcrossing and heterozygosity. Advances in Applied Probability, 1974, 6, 18-20.	0.7	0
87	The algebra of recombination. Advances in Applied Probability, 1976, 8, 27-29.	0.7	0
88	Direct Amplification of Microsatellite Alleles from Sonicated Goldfish Sperm. BioTechniques, 1998, 24, 407-410.	1.8	0