Joshua Moses Miller

List of Publications by Year
in descending order

45 papers	2,195 citations	304368 22 h-index	253896 43 g-index
47 all docs	47 docs citations	47 times ranked	3552 citing authors

#	Article	IF	Citations
1	The K = 2 conundrum. Molecular Ecology, 2017, 26, 3594-3602.	2.0	454
2	Adaptive introgression as a resource for management and genetic conservation in a changing climate. Conservation Biology, 2016, 30, 33-41.	2.4	257
3	The crucial role of genome-wide genetic variation in conservation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	196
4	Estimating genome-wide heterozygosity: effects of demographic history and marker type. Heredity, 2014, 112, 240-247.	1.2	84
5	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
6	Genomic consequences of genetic rescue in an insular population of bighorn sheep (Ovis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.0	80
7	Giant tortoise genomes provide insights into longevity and age-related disease. Nature Ecology and Evolution, 2019, 3, 87-95.	3.4	79
8	The influence of a priori grouping on inference of genetic clusters: simulation study and literature review of the DAPC method. Heredity, 2020, 125, 269-280.	1.2	77
9	Global genetic diversity status and trends: towards a suite of Essential Biodiversity Variables (<scp>EBVs</scp>) for genetic composition. Biological Reviews, 2022, 97, 1511-1538.	4.7	73
10	Assessment of identity disequilibrium and its relation to empirical heterozygosity fitness correlations: a metaâ€analysis. Molecular Ecology, 2014, 23, 1899-1909.	2.0	71
11	Confidently identifying the correct K value using the Î”K method: When does KÂ=Â2?. Molecular Ecology, 2020, 29, 862-869.	2.0	67
12	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
13	Assessing polar bear (Ursus maritimus) population structure in the Hudson Bay region using <scp>SNP</scp>s. Ecology and Evolution, 2016, 6, 8474-8484.	0.8	56
14	Opportunities and challenges of macrogenetic studies. Nature Reviews Genetics, 2021, 22, 791-807.	7.7	55
15	Historical Introgression from Wild Relatives Enhanced Climatic Adaptation and Resistance to Pneumonia in Sheep. Molecular Biology and Evolution, 2021, 38, 838-855.	3.5	44
16	Genetic linkage map of a wild genome: genomic structure, recombination and sexual dimorphism in bighorn sheep. BMC Genomics, 2010, 11, 524.	1.2	38
17	Long-term isolation of a highly mobile seabird on the Galapagos. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 817-825.	1.2	34
18	Researchâ€“management partnerships: An opportunity to integrate genetics in conservation actions. Conservation Science and Practice, 2020, 2, e218.	0.9	31

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19	Phylogeographic analysis of nuclear and mtDNA supports subspecies designations in the ostrich (Struthio camelus). Conservation Genetics, 2011, 12, 423-431.	0.8	29
20	Population genomics through time provides insights into the consequences of decline and rapid demographic recovery through headâ€starting in a Galapagos giant tortoise. Evolutionary Applications, 2018, 11, 1811-1821.	1.5	29
21	Theory, practice, and conservation in the age of genomics: The GalÃ¡pagos giant tortoise as a case study. Evolutionary Applications, 2018, 11, 1084-1093.	1.5	28
22	Identification of Genetically Important Individuals of the Rediscovered Floreana GalÃ¡pagos Giant Tortoise (Chelonoidis elephantopus) Provides Founders for Species Restoration Program. Scientific Reports, 2017, 7, 11471.	1.6	27
23	Macrogenetic studies must not ignore limitations of genetic markers and scale. Ecology Letters, 2021, 24, 1282-1284.	3.0	27
24	Short Reads, Circular Genome: Skimming SOLiD Sequence to Construct the Bighorn Sheep Mitochondrial Genome. Journal of Heredity, 2012, 103, 140-146.	1.0	26
25	Genome-Wide Assessment of Diversity and Divergence Among Extant Galapagos Giant Tortoise Species. Journal of Heredity, 2018, 109, 611-619.	1.0	22
26	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
27	Genetically informed captive breeding of hybrids of an extinct species of Galapagos tortoise. Conservation Biology, 2019, 33, 1404-1414.	2.4	18
28	The genetic basis of animal behavioural diversity in natural populations. Molecular Ecology, 2020, 29, 1957-1971.	2.0	18
29	Genomic analysis of morphometric traits in bighorn sheep using the Ovine Infinium^{Â®}ÂHD SNP BeadChip. PeerJ, 2018, 6, e4364.	0.9	18
30	Population structure and dispersal of wolves in the Canadian Rocky Mountains. Journal of Mammalogy, 2016, 97, 839-851.	0.6	15
31	Colonization history of Galapagos giant tortoises: Insights from mitogenomes support the progression rule. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 1262-1275.	0.6	14
32	Temporal Mitogenomics of the Galapagos Giant Tortoise from PinzÃ³n Reveals Potential Biases in Population Genetic Inference. Journal of Heredity, 2018, 109, 631-640.	1.0	12
33	Cross-Species Application of SNP Chips is Not Suitable for Identifying Runs of Homozygosity. Journal of Heredity, 2016, 107, 193-195.	1.0	11
34	Genetic Pedigree Analysis of the Pilot Breeding Program for the Rediscovered Galapagos Giant Tortoise from Floreana Island. Journal of Heredity, 2018, 109, 620-630.	1.0	11
35	Temporal dynamics of linkage disequilibrium in two populations of bighorn sheep. Ecology and Evolution, 2015, 5, 3401-3412.	0.8	10
36	Interspecies hybridization in the conservation toolbox: response to Kovach etÂal. (2016). Conservation Biology, 2016, 30, 431-433.	2.4	8

#	Article	IF	Citations
37	Ancient hybridization patterns between bighorn and thinhorn sheep. Molecular Ecology, 2021, 30, 6273-6288.	2.0	4
38	Genomic Resources Notes accepted 1 April 2013â€“31 May 2013. Molecular Ecology Resources, 2013, 13, 965-965.	2.2	3
39	Seeking compromise across competing goals in conservation translocations: The case of the â€˜extinctâ€™ Floreana Island Galapagos giant tortoise. Journal of Applied Ecology, 2020, 57, 136-148.	1.9	3
40	A new lineage of Galapagos giant tortoises identified from museum samples. Heredity, 2022, 128, 261-270.	1.2	3
41	From transects to transcripts: Teasing apart the architecture of reproductive isolation. Molecular Ecology, 2018, 27, 1339-1341.	2.0	2
42	Ewe are what ewe wear: bigger horns, better ewes and the potential consequence of trophy hunting on female fitness in bighorn sheep. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212534.	1.2	2
43	Linking genetic, morphological, and behavioural divergence between inland island and mainland deer mice. Heredity, 2022, 128, 97-106.	1.2	2
44	Evaluation of novel genomic markers for pedigree construction in an isolated population of Weddell Seals (Leptonychotes weddellii) at White Island, Antarctica. Conservation Genetics Resources, 0, , 1.	0.4	0
45	A Phylogeographic Contact Zone for Arctic Grayling in Alberta, Canada. North American Journal of Fisheries Management, 2021, 41, 1619-1630.	0.5	0