Brian K Hand

List of Publications by Year
in descending order

31 papers	1,326 citations	361296 20 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	2128 citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics in Conservation: Case Studies and Bridging the Gap between Data and Application. Trends in Ecology and Evolution, 2016, 31, 81-83.	4.2	173
2	UNICOR: a species connectivity and corridor network simulator. Ecography, 2012, 35, 9-14.	2.1	141
3	Aquatic Landscape Genomics and Environmental Effects on Genetic Variation. Trends in Ecology and Evolution, 2019, 34, 641-654.	4.2	97
4	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
5	Population Genomics: Advancing Understanding of Nature. Population Genomics, 2018, , 3-79.	0.2	70
6	Landscape community genomics: understanding eco-evolutionary processes in complex environments. Trends in Ecology and Evolution, 2015, 30, 161-168.	4.2	69
7	Tradeâ€offs and utility of alternative RADseq methods: Reply to Puritz <i>et al</i>.. Molecular Ecology, 2014, 23, 5943-5946.	2.0	55
8	Opportunities and challenges of macrogenetic studies. Nature Reviews Genetics, 2021, 22, 791-807.	7.7	55
9	Effective number of breeders from sibship reconstruction: empirical evaluations using hatchery steelhead. Evolutionary Applications, 2017, 10, 146-160.	1.5	54
10	Genetic diversity is related to climatic variation and vulnerability in threatened bull trout. Global Change Biology, 2015, 21, 2510-2524.	4.2	43
11	A socialâ€"ecological perspective for riverscape management in the Columbia River Basin. Frontiers in Ecology and the Environment, 2018, 16, S23.	1.9	42
12	Landscape Genomics for Wildlife Research. Population Genomics, 2018, , 145-184.	0.2	41
13	Vive la rÃ©sistance: genome-wide selection against introduced alleles in invasive hybrid zones. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161380.	1.2	40
14	Climate variables explain neutral and adaptive variation within salmonid metapopulations: the importance of replication in landscape genetics. Molecular Ecology, 2016, 25, 689-705.	2.0	39
15	Accounting for adaptive capacity and uncertainty in assessments of speciesâ€™ climateâ€change vulnerability. Conservation Biology, 2017, 31, 136-149.	2.4	36
16	Genomics and introgression: Discovery and mapping of thousands of species-diagnostic SNPs using RAD sequencing. Environmental Epigenetics, 2015, 61, 146-154.	0.9	35
17	Population Genomics Provides Key Insights in Ecology and Evolution. Population Genomics, 2018, , 483-510.	0.2	28
18	Macrogenetic studies must not ignore limitations of genetic markers and scale. Ecology Letters, 2021, 24, 1282-1284.	3.0	27

#	Article	IF	Citations
19	Assessing multi-taxa sensitivity to the human footprint, habitat fragmentation and loss by exploring alternative scenarios of dispersal ability and population size: a simulation approach. Biodiversity and Conservation, 2014, 23, 2761-2779.	1.2	26
20	Detecting population declines via monitoring the effective number of breeders (N_b). Molecular Ecology Resources, 2021, 21, 379-393.	2.2	24
21	A framework to integrate innovations in invasion science for proactive management. Biological Reviews, 2022, 97, 1712-1735.	4.7	17
22	Disentangling genetic structure for genetic monitoring of complex populations. Evolutionary Applications, 2018, 11, 1149-1161.	1.5	13
23	Remarkable anoxia tolerance by stoneflies from a floodplain aquifer. Ecology, 2020, 101, e03127.	1.5	12
24	Big Data in Conservation Genomics: Boosting Skills, Hedging Bets, and Staying Current in the Field. Journal of Heredity, 2021, 112, 313-327.	1.0	10
25	Assessments of species' vulnerability to climate change: from pseudo to science. Biodiversity and Conservation, 2017, 26, 223-229.	1.2	9
26	Genomic data reveal similar genetic differentiation in aquifer species with different dispersal capabilities and life histories. Biological Journal of the Linnean Society, 2020, 129, 315-322.	0.7	6
27	*AgeStrucNb*: Software for Simulating and Detecting Changes in the Effective Number of Breeders (N_b). Journal of Heredity, 2020, 111, 491-497.	1.0	3
28	Population Genomics Training for the Next Generation of Conservation Geneticists: ConGen 2018 Workshop. Journal of Heredity, 2020, 111, 227-236.	1.0	3
29	Sex-Biased Gene Flow Among Elk in the Greater Yellowstone Ecosystem. Journal of Fish and Wildlife Management, 2014, 5, 124-132.	0.4	3
30	Landscape Connectivity and Genetic Structure in a Mainstem and a Tributary Stonefly (Plecoptera) Species Using a Novel Reference Genome. Journal of Heredity, 2022, 113, 453-471.	1.0	1
31	Challenges in Columbia River fisheries conservation: a response to Duda *et al*.. Frontiers in Ecology and the Environment, 2019, 17, 11-13.	1.9	0