

Margaret E Hunter

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,981
citations

331259

21
h-index

288905

40
g-index

46
all docs

46
docs citations

46
times ranked

2227
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. <i>Biological Conservation</i> , 2020, 248, 108654.	1.9	285
2	Reporting the limits of detection and quantification for environmental DNA assays. <i>Environmental DNA</i> , 2020, 2, 271-282.	3.1	269
3	Environmental DNA (eDNA) Sampling Improves Occurrence and Detection Estimates of Invasive Burmese Pythons. <i>PLoS ONE</i> , 2015, 10, e0121655.	1.1	166
4	Validation of eDNA Surveillance Sensitivity for Detection of Asian Carps in Controlled and Field Experiments. <i>PLoS ONE</i> , 2013, 8, e58316.	1.1	149
5	Detection limits of quantitative and digital <sc>PCR</sc> assays and their influence in presence-absence surveys of environmental <sc>DNA</sc>. <i>Molecular Ecology Resources</i> , 2017, 17, 221-229.	2.2	106
6	Improving eDNA yield and inhibitor reduction through increased water volumes and multi-filter isolation techniques. <i>Scientific Reports</i> , 2019, 9, 5259.	1.6	103
7	Global Commitments to Conserving and Monitoring Genetic Diversity Are Now Necessary and Feasible. <i>BioScience</i> , 2021, 71, 964-976.	2.2	96
8	Global genetic diversity status and trends: towards a suite of Essential Biodiversity Variables (<sc>EBVs</sc>) for genetic composition. <i>Biological Reviews</i> , 2022, 97, 1511-1538.	4.7	73
9	Genetic diversity is considered important but interpreted narrowly in country reports to the Convention on Biological Diversity: Current actions and indicators are insufficient. <i>Biological Conservation</i> , 2021, 261, 109233.	1.9	65
10	Marsh rabbit mortalities tie pythons to the precipitous decline of mammals in the Everglades. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150120.	1.2	62
11	Opportunities and challenges of macrogenetic studies. <i>Nature Reviews Genetics</i> , 2021, 22, 791-807.	7.7	55
12	Next-generation conservation genetics and biodiversity monitoring. <i>Evolutionary Applications</i> , 2018, 11, 1029-1034.	1.5	43
13	Puerto Rico and Florida manatees represent genetically distinct groups. <i>Conservation Genetics</i> , 2012, 13, 1623-1635.	0.8	37
14	The Florida manatee (<i>Trichechus manatus latirostris</i>) T cell receptor loci exhibit V subgroup synteny and chain-specific evolution. <i>Developmental and Comparative Immunology</i> , 2018, 85, 71-85.	1.0	33
15	Effective population size remains a suitable, pragmatic indicator of genetic diversity for all species, including forest trees. <i>Biological Conservation</i> , 2021, 253, 108906.	1.9	32
16	Novel ecological and climatic conditions drive rapid adaptation in invasive Florida Burmese pythons. <i>Molecular Ecology</i> , 2018, 27, 4744-4757.	2.0	30
17	Efficacy of eDNA as an early detection indicator for Burmese pythons in the ARM Loxahatchee National Wildlife Refuge in the greater Everglades ecosystem. <i>Ecological Indicators</i> , 2019, 102, 617-622.	2.6	30
18	Low genetic diversity and minimal population substructure in the endangered Florida manatee: implications for conservation. <i>Journal of Mammalogy</i> , 2012, 93, 1504-1511.	0.6	27

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19	Macrogenetic studies must not ignore limitations of genetic markers and scale. <i>Ecology Letters</i> , 2021, 24, 1282-1284.	3.0	27
20	Strategic considerations for invasive species managers in the utilization of environmental DNA (eDNA): steps for incorporating this powerful surveillance tool. <i>Management of Biological Invasions</i> , 2021, 12, 747-775.	0.5	25
21	Statistical Models for the Analysis and Design of Digital Polymerase Chain Reaction (dPCR) Experiments. <i>Analytical Chemistry</i> , 2015, 87, 10886-10893.	3.2	24
22	Phylogeographic implications for release of critically endangered manatee calves rescued in Northeast Brazil. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 665-672.	0.9	23
23	Wide-ranging phylogeographic structure of invasive red lionfish in the Western Atlantic and Greater Caribbean. <i>Marine Biology</i> , 2015, 162, 773-781.	0.7	22
24	The Florida manatee (<i>Trichechus manatus latirostris</i>) immunoglobulin heavy chain suggests the importance of clan III variable segments in repertoire diversity. <i>Developmental and Comparative Immunology</i> , 2017, 72, 57-68.	1.0	21
25	Authors' Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. <i>Conservation Genetics</i> , 2021, 22, 533-536.	0.8	18
26	Rapid Microsatellite Marker Development Using Next Generation Pyrosequencing to Inform Invasive Burmese Python (<i>Python molurus bivittatus</i>) Management. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4793-4804.	1.8	17
27	Environmental DNA sampling reveals high occupancy rates of invasive Burmese pythons at wading bird breeding aggregations in the central Everglades. <i>PLoS ONE</i> , 2019, 14, e0213943.	1.1	17
28	Chronic exposure to glyphosate in Florida manatee. <i>Environment International</i> , 2021, 152, 106493.	4.8	17
29	The Coalition for Conservation Genetics: Working across organizations to build capacity and achieve change in policy and practice. <i>Conservation Science and Practice</i> , 2022, 4, .	0.9	17
30	A framework to integrate innovations in invasion science for proactive management. <i>Biological Reviews</i> , 2022, 97, 1712-1735.	4.7	17
31	Environmental DNA Methods for Ecological Monitoring and Biodiversity Assessment in Estuaries. <i>Estuaries and Coasts</i> , 2022, 45, 2254-2273.	1.0	16
32	Genetic Connectivity of the West Indian Manatee in the Southern Range and Limited Evidence of Hybridization With Amazonian Manatees. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	15
33	Genetic analysis of invasive Asian Black Carp (<i>Mylopharyngodon piceus</i>) in the Mississippi River Basin: evidence for multiple introductions. <i>Biological Invasions</i> , 2015, 17, 99-114.	1.2	12
34	Cytoskeletal discordance in the Florida Everglades invasive Burmese python (<i>Python bivittatus</i>) population reveals possible hybridization with the Indian python (<i>P. molurus</i>). <i>Ecology and Evolution</i> , 2018, 8, 9034-9047.	0.8	10
35	Life history, genetics, range expansion and new frontiers of the lionfish (<i>Pterois volitans</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	0.4	4
36	A novel technique for isolating DNA from Tempus, blood RNA tubes after RNA isolation. <i>BMC Research Notes</i> , 2018, 11, 563.	0.6	3

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37	Investigating the gene expression profiles of rehabilitated Florida manatees (<i>Trichechus manatus</i>) Tj ETQq1 1 0.784314 rgBT JOverloc	1.1	3
38	Diet composition of the African manatee: Spatial and temporal variation within the Sanaga River Watershed, Cameroon. <i>Ecology and Evolution</i> , 2021, 11, 15833-15845.	0.8	3
39	Lipidomics reveals specific lipid molecules associated with cold stress syndrome in the Florida manatee (<i>Trichechus manatus latirostris</i>). <i>Marine Biology</i> , 2021, 168, 1.	0.7	2
40	Genome-wide SNP analysis of three moose subspecies at the southern range limit in the contiguous United States. <i>Conservation Genetics</i> , 0, , 1.	0.8	2
41	Novel insights on aquatic mammal MHC evolution: Evidence from manatee DQB diversity. <i>Developmental and Comparative Immunology</i> , 2022, 132, 104398.	1.0	1