

Michael A Russello

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,307
citations

218592

26
h-index

276775

41
g-index

107
all docs

107
docs citations

107
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Migration and non-breeding ecology of the Yellow-breasted Chat <i>Icteria virens</i> . <i>Journal of Ornithology</i> , 2022, 163, 37-50.	0.5	1
2	A new lineage of Galapagos giant tortoises identified from museum samples. <i>Heredity</i> , 2022, 128, 261-270.	1.2	3
3	Population genomics of Sitka black-tailed deer supports invasive species management and ecological restoration on islands. <i>Communications Biology</i> , 2022, 5, 223.	2.0	7
4	Genotyping-in-Thousands by sequencing panel development and application for high-resolution monitoring of introgressive hybridization within sockeye salmon. <i>Scientific Reports</i> , 2022, 12, 3441.	1.6	2
5	Evidence of intrapopulation differences in rattlesnake defensive behavior across neighboring habitats. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, 1.	0.6	6
6	A genotyping-in-thousands by sequencing panel to inform invasive deer management using noninvasive fecal and hair samples. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	2
7	Global origins of invasive brown rats (<i>Rattus norvegicus</i>) in the Haida Gwaii archipelago. <i>Biological Invasions</i> , 2021, 23, 611-623.	1.2	5
8	Paleogenomics illuminates the evolutionary history of the extinct Holocene "horned" crocodile of Madagascar, <i>Voay robustus</i> . <i>Communications Biology</i> , 2021, 4, 505.	2.0	16
9	Chromosome-Level Reference Genome Assembly for the American Pika (<i>Ochotona princeps</i>). <i>Journal of Heredity</i> , 2021, 112, 549-557.	1.0	10
10	Genetic Diversity and Population Structure of Two Endangered Neotropical Parrots Inform In Situ and Ex Situ Conservation Strategies. <i>Diversity</i> , 2021, 13, 386.	0.7	3
11	Genome-wide analysis reveals demographic and life-history patterns associated with habitat modification in landlocked, deep-spawning sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Ecology and Evolution</i> , 2021, 11, 13186-13205.	0.8	2
12	The Promise of Genetics and Genomics for Improving Invasive Mammal Management on Islands. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	9
13	Demographic history and patterns of molecular evolution from whole genome sequencing in the radiation of Galapagos giant tortoises. <i>Molecular Ecology</i> , 2021, 30, 6325-6339.	2.0	7
14	Genome-wide analysis reveals associations between climate and regional patterns of adaptive divergence and dispersal in American pikas. <i>Heredity</i> , 2021, 127, 443-454.	1.2	4
15	Genome-Wide Investigation of the Multiple Origins Hypothesis for Deep-Spawning Kokanee Salmon (<i>Oncorhynchus nerka</i>) across its Pan-Pacific Distribution. <i>Journal of Heredity</i> , 2021, 112, 602-613.	1.0	1
16	Genotyping-in-Thousands by sequencing of archival fish scales reveals maintenance of genetic variation following a severe demographic contraction in kokanee salmon. <i>Scientific Reports</i> , 2021, 11, 22798.	1.6	3
17	Genotyping-in-Thousands by sequencing panel development and application to inform kokanee salmon (<i>Oncorhynchus nerka</i>) fisheries management at multiple scales. <i>PLoS ONE</i> , 2021, 16, e0261966.	1.1	4
18	Genotyping-in-Thousands by sequencing (GT-seq) panel development and application to minimally invasive DNA samples to support studies in molecular ecology. <i>Molecular Ecology Resources</i> , 2020, 20, 114-124.	2.2	28

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19	Kokanee sockeye salmon hybridization leads to intermediate morphology and resident life history: implications for fisheries management. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 355-364.	0.7	8
20	Phylogenomics reveals novel relationships among Neotropical crocodiles (<i>Crocodylus</i> spp.). <i>Molecular Phylogenetics and Evolution</i> , 2020, 152, 106924.	1.2	11
21	Spatiotemporal analyses suggest the role of glacial history and the ice-free corridor in shaping American badger population genetic variation. <i>Ecology and Evolution</i> , 2020, 10, 8345-8357.	0.8	3
22	Colonization history of Galapagos giant tortoises: Insights from mitogenomes support the progression rule. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 1262-1275.	0.6	14
23	Genotyping thousands by sequencing reveals marked population structure in Western Rattlesnakes to inform conservation status. <i>Ecology and Evolution</i> , 2020, 10, 7157-7172.	0.8	13
24	Conservation Genetics and Genomics. <i>Genes</i> , 2020, 11, 318.	1.0	9
25	Genotyping on the ark: A synthesis of genetic resources available for species in zoos. <i>Zoo Biology</i> , 2020, 39, 257-262.	0.5	2
26	RapidRat: Development, validation and application of a genotyping-by-sequencing panel for rapid biosecurity and invasive species management. <i>PLoS ONE</i> , 2020, 15, e0234694.	1.1	7
27	Rattus population genomics across the Haida Gwaii archipelago provides a framework for guiding invasive species management. <i>Evolutionary Applications</i> , 2020, 13, 889-904.	1.5	11
28	The sockeye salmon genome, transcriptome, and analyses identifying population defining regions of the genome. <i>PLoS ONE</i> , 2020, 15, e0240935.	1.1	26
29	Title is missing!. , 2020, 15, e0234694.		0
30	Title is missing!. , 2020, 15, e0234694.		0
31	Title is missing!. , 2020, 15, e0234694.		0
32	Title is missing!. , 2020, 15, e0234694.		0
33	Genetic Stock Identification Reveals That Angler Harvest Is Representative of Cryptic Stock Proportions in a High-Profile Kokanee Fishery. <i>North American Journal of Fisheries Management</i> , 2019, 39, 415-425.	0.5	4
34	Patterns, Mechanisms and Genetics of Speciation in Reptiles and Amphibians. <i>Genes</i> , 2019, 10, 646.	1.0	33
35	Alternatives to genetic affinity as a context for within-species response to climate. <i>Nature Climate Change</i> , 2019, 9, 787-794.	8.1	37
36	Fine-scale genetic structure and conservation status of American badgers at their northwestern range periphery. <i>Conservation Genetics</i> , 2019, 20, 1023-1034.	0.8	1

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37	Genetically informed captive breeding of hybrids of an extinct species of Galapagos tortoise. <i>Conservation Biology</i> , 2019, 33, 1404-1414.	2.4	18
38	Disentangling the genetic effects of refugial isolation and range expansion in a trans-continently distributed species. <i>Heredity</i> , 2019, 122, 441-457.	1.2	12
39	Giant tortoise genomes provide insights into longevity and age-related disease. <i>Nature Ecology and Evolution</i> , 2019, 3, 87-95.	3.4	79
40	Temporal Mitogenomics of the Galapagos Giant Tortoise from Pinzn Reveals Potential Biases in Population Genetic Inference. <i>Journal of Heredity</i> , 2018, 109, 631-640.	1.0	12
41	Adaptive population divergence and directional gene flow across steep elevational gradients in a climate-sensitive mammal. <i>Molecular Ecology</i> , 2018, 27, 2512-2528.	2.0	34
42	Theory, practice, and conservation in the age of genomics: The Galpagos giant tortoise as a case study. <i>Evolutionary Applications</i> , 2018, 11, 1084-1093.	1.5	28
43	Population genomics through time provides insights into the consequences of decline and rapid demographic recovery through head-starting in a Galapagos giant tortoise. <i>Evolutionary Applications</i> , 2018, 11, 1811-1821.	1.5	29
44	SNP panels for differentiating advanced-generation hybrid classes in recently diverged stocks: A sensitivity analysis to inform monitoring of sockeye salmon re-stocking programs. <i>Fisheries Research</i> , 2018, 208, 339-345.	0.9	10
45	Ex Situ Wildlife Conservation in the Age of Population Genomics. <i>Population Genomics</i> , 2018, , 473-492.	0.2	7
46	Advances in Using Non-invasive, Archival, and Environmental Samples for Population Genomic Studies. <i>Population Genomics</i> , 2018, , 63-99.	0.2	24
47	Genome-Wide Assessment of Diversity and Divergence Among Extant Galapagos Giant Tortoise Species. <i>Journal of Heredity</i> , 2018, 109, 611-619.	1.0	22
48	Genetic evidence supports a distinct lineage of American crocodile (<i>Crocodylus acutus</i>) in the Greater Antilles. <i>PeerJ</i> , 2018, 6, e5836.	0.9	13
49	Genetic variation and fine-scale population structure in American pikas across a human-modified landscape. <i>Conservation Genetics</i> , 2017, 18, 825-835.	0.8	6
50	Identification of Genetically Important Individuals of the Rediscovered Floreana Galpagos Giant Tortoise (<i>Chelonoidis elephantopus</i>) Provides Founders for Species Restoration Program. <i>Scientific Reports</i> , 2017, 7, 11471.	1.6	27
51	An ancient selective sweep linked to reproductive life history evolution in sockeye salmon. <i>Scientific Reports</i> , 2017, 7, 1747.	1.6	44
52	Individual-based analysis of hair corticosterone reveals factors influencing chronic stress in the American pika. <i>Ecology and Evolution</i> , 2017, 7, 4099-4108.	0.8	14
53	Evaluating the efficacy of non-invasive genetic sampling of the Northern Pacific rattlesnake with implications for other venomous squamates. <i>Conservation Genetics Resources</i> , 2017, 9, 13-15.	0.4	9
54	Genomic Changes Associated with Reproductive and Migratory Ecotypes in Sockeye Salmon (<i>Oncorhynchus nerka</i>). <i>Genome Biology and Evolution</i> , 2017, 9, 2921-2939.	1.1	38

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55	Mitogenomic investigation reveals a cryptic lineage of <i>Crocodylus</i> in Cuba. <i>Bulletin of Marine Science</i> , 2017, , .	0.4	5
56	Sockeye salmon repatriation leads to population re-establishment and rapid introgression with native kokanee. <i>Evolutionary Applications</i> , 2016, 9, 1301-1311.	1.5	24
57	Genetic evidence for multiple paternity in the critically endangered Cuban crocodile (<i>Crocodylus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	0.1	9
58	Low genetic diversity, restricted dispersal, and elevation-specific patterns of population decline in American pikas in an atypical environment. <i>Journal of Mammalogy</i> , 2016, 97, 464-472.	0.6	21
59	I-HEDGE: determining the optimum complementary sets of taxa for conservation using evolutionary isolation. <i>PeerJ</i> , 2016, 4, e2350.	0.9	17
60	Genetics of a head-start program to guide conservation of an endangered Galápagos tortoise (<i>Chelonoidis ephippium</i>). <i>Conservation Genetics</i> , 2015, 16, 823-832.	0.8	18
61	Naturally rare versus newly rare: demographic inferences on two timescales inform conservation of Galápagos giant tortoises. <i>Ecology and Evolution</i> , 2015, 5, 676-694.	0.8	28
62	Genetic evidence for ecological divergence in kokanee salmon. <i>Molecular Ecology</i> , 2015, 24, 798-811.	2.0	57
63	Genetic Assessment of Taxonomic Uncertainty in Painted Turtles. <i>Journal of Herpetology</i> , 2015, 49, 314-324.	0.2	10
64	Founded: Genetic Reconstruction of Lineage Diversity and Kinship Informs Ex situ Conservation of Cuban Amazon Parrots (<i>Amazona leucocephala</i>). <i>Journal of Heredity</i> , 2015, 106, 573-579.	1.0	4
65	Genetic evidence of hybridization between the critically endangered Cuban crocodile and the American crocodile: implications for population history and in situ/ex situ conservation. <i>Heredity</i> , 2015, 114, 272-280.	1.2	53
66	Description of a New Galapagos Giant Tortoise Species (<i>Chelonoidis</i> ; Testudines: Testudinidae) from Cerro Fatal on Santa Cruz Island. <i>PLoS ONE</i> , 2015, 10, e0138779.	1.1	54
67	From promise to practice: pairing non-invasive sampling with genomics in conservation. <i>PeerJ</i> , 2015, 3, e1106.	0.9	158
68	Time scale matters: genetic analysis does not support adaptation-by-time as the mechanism for adaptive seasonal declines in kokanee reproductive life span. <i>Ecology and Evolution</i> , 2014, 4, 3714-3722.	0.8	4
69	Development and application of a molecular sexing protocol in the climate change-sensitive American pika. <i>Conservation Genetics Resources</i> , 2014, 6, 17-19.	0.4	5
70	Lineage fusion in Galápagos giant tortoises. <i>Molecular Ecology</i> , 2014, 23, 5276-5290.	2.0	59
71	When the shoe doesn't fit: applying conservation unit concepts to western painted turtles at their northern periphery. <i>Conservation Genetics</i> , 2014, 15, 261-274.	0.8	16
72	Novel genomic resources for a climate change sensitive mammal: characterization of the American pika transcriptome. <i>BMC Genomics</i> , 2013, 14, 311.	1.2	20

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73	The genetic legacy of Lonesome George survives: Giant tortoises with Pinta Island ancestry identified in Galápagos. <i>Biological Conservation</i> , 2013, 157, 225-228.	1.9	39
74	Lack of parallel genetic patterns underlying the repeated ecological divergence of beach and stream-spawning kokanee salmon. <i>Journal of Evolutionary Biology</i> , 2013, 26, 2606-2621.	0.8	24
75	Adaptive divergence along environmental gradients in a climate-change-sensitive mammal. <i>Ecology and Evolution</i> , 2013, 3, 3906-3917.	0.8	38
76	Neutral Loci Reveal Population Structure by Geography, not Ecotype, in Kootenay Lake Kokanee. <i>North American Journal of Fisheries Management</i> , 2012, 32, 282-291.	0.5	12
77	Lineage Identification and Genealogical Relationships Among Captive Galápagos Tortoises. <i>Zoo Biology</i> , 2012, 31, 107-120.	0.5	16
78	Cryptic species in a Neotropical parrot: genetic variation within the <i>Amazona farinosa</i> species complex and its conservation implications. <i>Conservation Genetics</i> , 2012, 13, 1427-1432.	0.8	17
79	Unravelling the peculiarities of island life: vicariance, dispersal and the diversification of the extinct and extant giant Galápagos tortoises. <i>Molecular Ecology</i> , 2012, 21, 160-173.	2.0	88
80	Genetic rediscovery of an "extinct" Galápagos giant tortoise species. <i>Current Biology</i> , 2012, 22, R10-R11.	1.8	46
81	Detection of outlier loci and their utility for fisheries management. <i>Evolutionary Applications</i> , 2012, 5, 39-52.	1.5	83
82	Genetic Evidence for Restricted Dispersal along Continuous Altitudinal Gradients in a Climate Change-Sensitive Mammal: The American Pika. <i>PLoS ONE</i> , 2012, 7, e39077.	1.1	34
83	Obtaining high-quality DNA from elusive small mammals using low-tech hair snares. <i>European Journal of Wildlife Research</i> , 2011, 57, 429-435.	0.7	23
84	iRel: software for implementing pairwise relatedness estimators and evaluating their performance. <i>Conservation Genetics Resources</i> , 2011, 3, 69-71.	0.4	13
85	Isolation and characterization of microsatellite loci in two species-at-risk in British Columbia: Great Basin spadefoot (<i>Spea intermontana</i>) and Western painted turtle (<i>Chrysemys picta bellii</i>). <i>Conservation Genetics Resources</i> , 2010, 2, 37-40.	0.4	1
86	Cryptic diversity and conservation units in the Bahama parrot. <i>Conservation Genetics</i> , 2010, 11, 1809-1821.	0.8	19
87	DNA from the Past Informs Ex Situ Conservation for the Future: An "Extinct" Species of Galápagos Tortoise Identified in Captivity. <i>PLoS ONE</i> , 2010, 5, e8683.	1.1	36
88	Isolation and characterization of microsatellite loci in a Neotropical ungulate, the lowland tapir (<i>Tapirus terrestris</i>). <i>Conservation Genetics Resources</i> , 2009, 1, 39-41.	0.4	3
89	Genetic evidence links invasive monk parakeet populations in the United States to the international pet trade. <i>BMC Evolutionary Biology</i> , 2008, 8, 217.	3.2	54
90	Historical DNA analysis reveals living descendants of an extinct species of Galápagos tortoise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15464-15469.	3.3	79

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91	Giant Galápagos tortoises; molecular genetic analyses identify a trans-island hybrid in a repatriation program of an endangered taxon. <i>BMC Ecology</i> , 2007, 7, 2.	3.0	22
92	On the horns of a dilemma: molecular approaches refine ex situ conservation in crisis. <i>Molecular Ecology</i> , 2007, 16, 2405-2406.	2.0	24
93	Lineage identification of Galápagos tortoises in captivity worldwide. <i>Animal Conservation</i> , 2007, 10, 304-311.	1.5	33
94	Characterization of polymorphic microsatellite loci for the invasive monk parakeet (<i>Myiopsitta TJ ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>)	1.7	12
95	Lonesome George is not alone among Galápagos tortoises. <i>Current Biology</i> , 2007, 17, R317-R318.	1.8	49
96	Molecular assessment of the genetic integrity, distinctiveness and phylogeographic context of the Saltwater crocodile (<i>Crocodylus porosus</i>) on Palau. <i>Conservation Genetics</i> , 2007, 8, 777-787.	0.8	17
97	Characterization of polymorphic microsatellite loci for the polychaete tubeworm <i>Hobsonia florida</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 390-392.	1.7	1
98	Additional microsatellite loci for the endangered St. Vincent Parrot, <i>Amazona guildingii</i> . <i>Conservation Genetics</i> , 2006, 6, 643-645.	0.8	13
99	A cryptic taxon of Galápagos tortoise in conservation peril. <i>Biology Letters</i> , 2005, 1, 287-290.	1.0	71
100	Ex situ population management in the absence of pedigree information. <i>Molecular Ecology</i> , 2004, 13, 2829-2840.	2.0	115
101	Potential genetic consequences of a recent bottleneck in the Amur tiger of. <i>Conservation Genetics</i> , 2004, 5, 707-713.	0.8	36
102	Genome-wide assessment of kokanee salmon stock diversity, population history and hatchery representation at the northern range margin. <i>Conservation Genetics</i> , 0, , 1.	0.8	4