

Matthew J Miller

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,151
citations

516710

16
h-index

434195

31
g-index

49
all docs

49
docs citations

49
times ranked

2027
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Analyses of Vertebrate Gut Microbiomes Reveal Convergence between Birds and Bats. MBio, 2020, 11, .	4.1	204
2	Specimen collection: An essential tool. Science, 2014, 344, 814-815.	12.6	169
3	Out of Amazonia again and again: episodic crossing of the Andes promotes diversification in a lowland forest flycatcher. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1133-1142.	2.6	83
4	COVID-19 in Latin America: Novel transmission dynamics for a global pandemic?. PLoS Neglected Tropical Diseases, 2020, 14, e0008265.	3.0	69
5	Phylogeography of a morphologically diverse Neotropical montane species, the Common Bush-Tanager (<i>Chlorospingusophthalmicus</i>). Molecular Phylogenetics and Evolution, 2008, 47, 650-664.	2.7	67
6	Host body size and the diversity of tick assemblages on Neotropical vertebrates. International Journal for Parasitology: Parasites and Wildlife, 2016, 5, 295-304.	1.5	45
7	Geographic Expansion of the Invasive Mosquito <i>Aedes albopictus</i> across Panama—Implications for Control of Dengue and Chikungunya Viruses. PLoS Neglected Tropical Diseases, 2015, 9, e0003383.	3.0	42
8	Phylogeography of the Rufous-tailed Hummingbird (<i>Amazilia tzacatl</i>). Condor, 2011, 113, 806-816.	1.6	34
9	HISTORICAL BIOGEOGRAPHY OF THE NEW WORLD SOLITAIRES (<i>MYADESTES</i> SPP). Auk, 2007, 124, 868.	1.4	33
10	Neotropical birds show a humped distribution of within-population genetic diversity along a latitudinal transect. Ecology Letters, 2010, 13, 576-586.	6.4	30
11	Diversification across the New World within the “blue” cardinalids (Aves: Cardinalidae). Journal of Biogeography, 2014, 41, 587-599.	3.0	29
12	Historical Biogeography of the New World Solitaires (<i>Myadestes</i> SPP). Auk, 2007, 124, 868-885.	1.4	28
13	Maternal invasion history of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> into the Isthmus of Panama: Implications for the control of emergent viral disease agents. PLoS ONE, 2018, 13, e0194874.	2.5	28
14	Differential introgression of a female competitive trait in a hybrid zone between sex-role reversed species. Evolution; International Journal of Organic Evolution, 2019, 73, 188-201.	2.3	25
15	Molecular Ecological Insights into Neotropical Bird–Tick Interactions. PLoS ONE, 2016, 11, e0155989.	2.5	22
16	Polyphyly of the hawk genera <i>Leucopternis</i> and <i>Buteogallus</i> (Aves, Accipitridae): multiple habitat shifts during the Neotropical buteonine diversification. BMC Evolutionary Biology, 2006, 6, 10.	3.2	20
17	Revising Species Limits in a Group of <i>Myrmeciza</i> Antbirds Reveals a Cryptic Species Within <i>M. Laemosticta</i> (Thamnophilidae). Condor, 2010, 112, 718-730.	1.6	20
18	Genetic and phenotypic characterization of a hybrid zone between polyandrous Northern and Wattled Jacanas in Western Panama. BMC Evolutionary Biology, 2014, 14, 227.	3.2	20

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19	Demographic consequences of foraging ecology explain genetic diversification in Neotropical bird species. <i>Ecology Letters</i> , 2021, 24, 563-571.	6.4	18
20	Mosquito-Host Interactions during and after an Outbreak of Equine Viral Encephalitis in Eastern Panama. <i>PLoS ONE</i> , 2013, 8, e81788.	2.5	17
21	Tempo and mode of allopatric divergence in the weakly electric fish <i>Sternopygus dariensis</i> in the Isthmus of Panama. <i>Scientific Reports</i> , 2019, 9, 18828.	3.3	15
22	Seasonal pattern of avian <i>Plasmodium</i> -infected mosquitoes and implications for parasite transmission in central Panama. <i>Parasitology Research</i> , 2013, 112, 3743-3751.	1.6	14
23	Metapopulation Dynamics Enable Persistence of Influenza A, Including A/H5N1, in Poultry. <i>PLoS ONE</i> , 2013, 8, e80091.	2.5	13
24	Application of matrix-assisted laser desorption/ionization mass spectrometry to identify species of Neotropical <i>Anopheles</i> vectors of malaria. <i>Malaria Journal</i> , 2019, 18, 95.	2.3	12
25	Parallel genomic responses to historical climate change and high elevation in East Asian songbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
26	Extreme sequence divergence between mitochondrial genomes of two subspecies of White-breasted Wood-wren (<i>Henicorhina leucosticta</i> , Cabanis, 1847) from western and central Panama. <i>Mitochondrial DNA</i> , 2016, 27, 956-957.	0.6	9
27	A Highly Contiguous Genome for the Golden-Fronted Woodpecker (<i>Melanerpes aurifrons</i>) via Hybrid Oxford Nanopore and Short Read Assembly. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1829-1836.	1.8	9
28	COVID-19 pandemic in Panama: lessons of the unique risks and research opportunities for Latin America. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2020, 44, 1.	1.1	8
29	Complete mitochondrial genomes of the New World jacanas: <i>Jacana spinosa</i> and <i>Jacana jacana</i> . <i>Mitochondrial DNA</i> , 2016, 27, 764-765.	0.6	7
30	Proteomic fingerprinting of Neotropical hard tick species (Acari: Ixodidae) using a self-curated mass spectra reference library. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008849.	3.0	7
31	Comparative Genomics Reveals Evolution of a Beak Morphology Locus in a High-Altitude Songbird. <i>Molecular Biology and Evolution</i> , 2020, 37, 2983-2988.	8.9	6
32	Activity density at a continental scale: What drives invertebrate biomass moving across the soil surface?. <i>Ecology</i> , 2021, , e03542.	3.2	6
33	Phylogenomics clarifies biogeographic and evolutionary history, and conservation status of West Indian tremblers and thrashers (Aves: Mimidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 196-205.	2.7	5
34	Mitogenomics of Central American weakly-electric fishes. <i>Gene</i> , 2019, 686, 164-170.	2.2	4
35	Annotated checklist of the birds (Aves) of Cerro Hoya National Park, Azuero Peninsula, Panama. <i>Check List</i> , 2015, 11, 1585.	0.4	3
36	Mitochondrial genome organization of the Ochre-bellied Flycatcher, <i>Mionectes oleagineus</i> . <i>Mitochondrial DNA</i> , 2016, 27, 890-891.	0.6	3

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37	Historical and contemporary forces combine to shape patterns of genetic differentiation in two species of Mesoamerican Anopheles mosquitoes. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 146-157.	1.6	3
38	Un conglomerado distinto de aves (Aves: Passeriformes) descubierto en el Dari�n occidental, Panam� por un programa de vigilancia de enfermedades. <i>Revista De Biologia Tropical</i> , 2014, 62, 711.	0.4	3
39	Rapid diversification of the Variable Seedeater superspecies complex despite widespread gene flow. <i>Molecular Phylogenetics and Evolution</i> , 2022, 173, 107510.	2.7	3
40	Extreme mitogenomic divergence between two syntopic specimens of <i>Arremon aurantirostris</i> (Aves: Emberizidae) in central Panama suggests possible cryptic species. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3451-3453.	0.7	2
41	Genome Sequences of Chikungunya Virus Isolates from Bolivia. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	0
42	<i>Amblyomma tapirellum</i> (Acari: Ixodidae) collected from tropical forest canopy. <i>F1000Research</i> , 2013, 2, 194.	1.6	0