Brant C Faircloth

List of Publications by Year in Descending Order

113 papers	14,387 citations	43 h-index	119 g-index
127 ext. papers	18,433 ext. citations	7.2 avg, IF	6.88 L-index

#	Paper	IF	Citations
113	Systematics of Lepidothrix manakins (Aves: Passeriformes: Pipridae) using RADcap markers.. *Molecular Phylogenetics and Evolution*, **2022**, 107525	4.1	0
112	Displaced clines in an avian hybrid zone (Thamnophilidae: Rhegmatorhina) within an Amazonian interfluve. *Evolution; International Journal of Organic Evolution*, **2021**,	3.8	1
111	The critical importance of vouchers in genomics. *ELife*, **2021**, 10,	8.9	10
110	Accelerated Diversification Explains the Exceptional Species Richness of Tropical Characoid Fishes. *Systematic Biology*, **2021**,	8.4	11
109	Using ultraconserved elements to track the influence of sea-level change on leafy seadragon populations. *Molecular Ecology*, **2021**, 30, 1364-1380	5.7	5
108	Genome assemblies for two Neotropical trees: Jacaranda copaia and Handroanthus guayacan. *G3: Genes, Genomes, Genetics*, **2021**, 11,	3.2	1
107	Multiple species and deep genomic divergences despite little phenotypic differentiation in an ancient Neotropical songbird, Tunchiornis ochraceiceps (Sclater, 1860) (Aves: Vireonidae). *Molecular Phylogenetics and Evolution*, **2021**, 162, 107206	4.1	0
106	The evolution of a tropical biodiversity hotspot. *Science*, **2020**, 370, 1343-1348	33.3	42
105	A Target Enrichment Bait Set for Studying Relationships among Ostariophysan Fishes. *Copeia*, **2020**, 108, 47	1.1	12
104	Extensive paraphyly in the typical owl family (Strigidae). *Auk*, **2020**, 137,	2.1	7
103	Dense sampling of bird diversity increases power of comparative genomics. *Nature*, **2020**, 587, 252-257	50.4	89
102	Divergence, gene flow, and speciation in eight lineages of trans-Beringian birds. *Molecular Ecology*, **2020**, 29, 3526-3542	5.7	6
101	Palaeoclimate ocean conditions shaped the evolution of corals and their skeletons through deep time. *Nature Ecology and Evolution*, **2020**, 4, 1531-1538	12.3	34
100	A phylogenomic framework for pelagiarian fishes (Acanthomorpha: Percomorpha) highlights mosaic radiation in the open ocean. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20191502	4.4	13
99	Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest. *Molecular Phylogenetics and Evolution*, **2019**, 141, 106627	4.1	12
98	Earth history and the passerine superradiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7916-7925	11.5	121
97	Comparison of ultraconserved elements (UCEs) to microsatellite markers for the study of avian hybrid zones: a test in Aphelocoma jays. *BMC Research Notes*, **2019**, 12, 456	2.3	1

96	A Phylogenomic Supertree of Birds. *Diversity*, **2019**, 11, 109	2.5	47
95	Speciation despite gene flow in two owls (Aegolius ssp.): Evidence from 2,517 ultraconserved element loci. *Auk*, **2019**, 136,	2.1	4
94	Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD). *PeerJ*, **2019**, 7, e7724	3.1	34
93	Adapterama I: universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext). *PeerJ*, **2019**, 7, e7755	3.1	100
92	Adapterama II: universal amplicon sequencing on Illumina platforms (TaggiMatrix). *PeerJ*, **2019**, 7, e7786	3.1	25
91	A Highly Contiguous Reference Genome for Northern Bobwhite (). *G3: Genes, Genomes, Genetics*, **2019**, 9, 3929-3932	3.2	4
90	Insight from an ultraconserved element bait set designed for hemipteran phylogenetics integrated with genomic resources. *Molecular Phylogenetics and Evolution*, **2019**, 130, 297-303	4.1	28
89	Resolving Deep Nodes in an Ancient Radiation of Neotropical Fishes in the Presence of Conflicting Signals from Incomplete Lineage Sorting. *Systematic Biology*, **2019**, 68, 573-593	8.4	27
88	What are the roles of taxon sampling and model fit in tests of cyto-nuclear discordance using avian mitogenomic data?. *Molecular Phylogenetics and Evolution*, **2019**, 130, 132-142	4.1	21
87	Allele Phasing Greatly Improves the Phylogenetic Utility of Ultraconserved Elements. *Systematic Biology*, **2019**, 68, 32-46	8.4	32
86	Cultivation and genomics of the first freshwater SAR11 (LD12) isolate. *ISME Journal*, **2018**, 12, 1846-1860	11.9	57
85	Explosive diversification of marine fishes at the Cretaceous-Palaeogene boundary. *Nature Ecology and Evolution*, **2018**, 2, 688-696	12.3	89
84	Conflicting Evolutionary Histories of the Mitochondrial and Nuclear Genomes in New World Myotis Bats. *Systematic Biology*, **2018**, 67, 236-249	8.4	34
83	Phylogenomics of montane frogs of the Brazilian Atlantic Forest is consistent with isolation in sky islands followed by climatic stability. *Biological Journal of the Linnean Society*, **2018**,	1.9	4
82	Ultraconserved elements (UCEs) illuminate the population genomics of a recent, high-latitude avian speciation event. *PeerJ*, **2018**, 6, e5735	3.1	19
81	Universal target-enrichment baits for anthozoan (Cnidaria) phylogenomics: New approaches to long-standing problems. *Molecular Ecology Resources*, **2018**, 18, 281-295	8.4	66
80	Genome-wide signals of drift and local adaptation during rapid lineage divergence in a songbird. *Molecular Ecology*, **2018**, 27, 5137-5153	5.7	18
79	Enriching the ant tree of life: enhanced UCE bait set for genome-scale phylogenetics of ants and other Hymenoptera. *Methods in Ecology and Evolution*, **2017**, 8, 768-776	7.7	108

78	The mitochondrial genome of Brachycephalus brunneus (Anura: Brachycephalidae), with comments on the phylogenetic position of Brachycephalidae. *Biochemical Systematics and Ecology*, **2017**, 71, 26-31	1.4	2
77	Identifying conserved genomic elements and designing universal bait sets to enrich them. *Methods in Ecology and Evolution*, **2017**, 8, 1103-1112	7.7	80
76	Dry habitats were crucibles of domestication in the evolution of agriculture in ants. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	81
75	Phylogenomic analysis of a rapid radiation of misfit fishes (Syngnathiformes) using ultraconserved elements. *Molecular Phylogenetics and Evolution*, **2017**, 113, 33-48	4.1	29
74	Phylogenomic analysis of Lake Malawi cichlid fishes: Further evidence that the three-stage model of diversification does not fit. *Molecular Phylogenetics and Evolution*, **2017**, 114, 40-48	4.1	9
73	Phylogenomic Insights into the Evolution of Stinging Wasps and the Origins of Ants and Bees. *Current Biology*, **2017**, 27, 1019-1025	6.3	215
72	Phylogenomic Systematics of Ostariophysan Fishes: Ultraconserved Elements Support the Surprising Non-Monophyly of Characiformes. *Systematic Biology*, **2017**, 66, 881-895	8.4	51
71	Ultraconserved elements (UCEs) resolve the phylogeny of Australasian smurf-weevils. *PLoS ONE*, **2017**, 12, e0188044	3.7	29
70	Investigating Difficult Nodes in the Placental Mammal Tree with Expanded Taxon Sampling and Thousands of Ultraconserved Elements. *Genome Biology and Evolution*, **2017**, 9, 2308-2321	3.9	60
69	Phylogenetic relationships of diurnal, phytotelm-breeding Melanophryniscus (Anura: Bufonidae) based on mitogenomic data. *Gene*, **2017**, 628, 194-199	3.8	3
68	High phylogenetic utility of an ultraconserved element probe set designed for Arachnida. *Molecular Ecology Resources*, **2017**, 17, 812-823	8.4	64
67	Sequence capture of ultraconserved elements from bird museum specimens. *Molecular Ecology Resources*, **2016**, 16, 1189-203	8.4	146
66	Hidden histories of gene flow in highland birds revealed with genomic markers. *Molecular Ecology*, **2016**, 25, 5144-5157	5.7	49
65	RADcap: sequence capture of dual-digest RADseq libraries with identifiable duplicates and reduced missing data. *Molecular Ecology Resources*, **2016**, 16, 1264-78	8.4	85
64	Phylogenomic analysis of carangimorph fishes reveals flatfish asymmetry arose in a blink of the evolutionary eye. *BMC Evolutionary Biology*, **2016**, 16, 224	3	61
63	Tectonic collision and uplift of Wallacea triggered the global songbird radiation. *Nature Communications*, **2016**, 7, 12709	17.4	141
62	Sequence Capture versus Restriction Site Associated DNA Sequencing for Shallow Systematics. *Systematic Biology*, **2016**, 65, 910-24	8.4	152
61	Targeted DNA Region Re-sequencing **2016**, 43-68		9

60	Target enrichment of thousands of ultraconserved elements sheds new light on early relationships within New World sparrows (Aves: Passerellidae)El enriquecimiento dirigido de miles de elementos ultra conservados brinda una nueva mirada sobre la relaciñ temprana adentro de los gorriones del Nuevo Mundo (Aves: Passerellidae)Phylogenomic insight into New World sparrow phylogeny. *Auk*,	2.1	13
59	Replicated divergence in cichlid radiations mirrors a major vertebrate innovation. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	40
58	Analysis of a Rapid Evolutionary Radiation Using Ultraconserved Elements: Evidence for a Bias in Some Multispecies Coalescent Methods. *Systematic Biology*, **2016**, 65, 612-27	8.4	100
57	PHYLUCE is a software package for the analysis of conserved genomic loci. *Bioinformatics*, **2016**, 32, 786-8	7.82	352
56	Avoiding Missing Data Biases in Phylogenomic Inference: An Empirical Study in the Landfowl (Aves: Galliformes). *Molecular Biology and Evolution*, **2016**, 33, 1110-25	8.3	145
55	Implementing and testing the multispecies coalescent model: A valuable paradigm for phylogenomics. *Molecular Phylogenetics and Evolution*, **2016**, 94, 447-62	4.1	230
54	Use of sonic tomography to detect and quantify wood decay in living trees. *Applications in Plant Sciences*, **2016**, 4, 1600060	2.3	23
53	Capturing Darwin's dream. *Molecular Ecology Resources*, **2016**, 16, 1051-8	8.4	17
52	Phylogenomic analyses data of the avian phylogenomics project. *GigaScience*, **2015**, 4, 4	7.6	54
51	A phylogenomic analysis of turtles. *Molecular Phylogenetics and Evolution*, **2015**, 83, 250-7	4.1	189
50	Relating belowground microbial composition to the taxonomic, phylogenetic, and functional trait distributions of trees in a tropical forest. *Ecology Letters*, **2015**, 18, 1397-405	10	121
49	Genome-wide ultraconserved elements exhibit higher phylogenetic informativeness than traditional gene markers in percomorph fishes. *Molecular Phylogenetics and Evolution*, **2015**, 92, 140-6	4.1	50
48	Target enrichment of ultraconserved elements from arthropods provides a genomic perspective on relationships among Hymenoptera. *Molecular Ecology Resources*, **2015**, 15, 489-501	8.4	175
47	Target capture and massively parallel sequencing of ultraconserved elements for comparative studies at shallow evolutionary time scales. *Systematic Biology*, **2014**, 63, 83-95	8.4	226
46	The drivers of tropical speciation. *Nature*, **2014**, 515, 406-9	50.4	340
45	Habitat structure and colony structure constrain extrapair paternity in a colonial bird. *Animal Behaviour*, **2014**, 95, 121-127	2.8	16
44	Speciation in Western Scrub-Jays, Haldane's rule, and genetic clines in secondary contact. *BMC Evolutionary Biology*, **2014**, 14, 135	3	36
43	The evolution of peafowl and other taxa with ocelli (eyespots): a phylogenomic approach. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281,	4.4	37

42	Incongruence among different mitochondrial regions: a case study using complete mitogenomes. *Molecular Phylogenetics and Evolution*, **2014**, 78, 314-23	4.1	60
41	Interactive effects of male and female age on extra-pair paternity in a socially monogamous seabird. *Behavioral Ecology and Sociobiology*, **2014**, 68, 1603-1609	2.5	16
40	Three crocodilian genomes reveal ancestral patterns of evolution among archosaurs. *Science*, **2014**, 346, 1254449	33.3	231
39	Whole-genome analyses resolve early branches in the tree of life of modern birds. *Science*, **2014**, 346, 1320-31	33.3	1182
38	Significant variance in genetic diversity among populations of Schistosoma haematobium detected using microsatellite DNA loci from a genome-wide database. *Parasites and Vectors*, **2013**, 6, 300	4	21
37	Next-generation phylogenetics takes root. *Molecular Ecology*, **2013**, 22, 19-20	5.7	26
36	A phylogeny of birds based on over 1,500 loci collected by target enrichment and high-throughput sequencing. *PLoS ONE*, **2013**, 8, e54848	3.7	242
35	A Phylogenomic Perspective on the Radiation of Ray-Finned Fishes Based upon Targeted Sequencing of Ultraconserved Elements (UCEs). *PLoS ONE*, **2013**, 8, e65923	3.7	195
34	More than 1000 ultraconserved elements provide evidence that turtles are the sister group of archosaurs. *Biology Letters*, **2012**, 8, 783-6	3.6	258
33	Ultraconserved elements anchor thousands of genetic markers spanning multiple evolutionary timescales. *Systematic Biology*, **2012**, 61, 717-26	8.4	698
32	Ultraconserved elements are novel phylogenomic markers that resolve placental mammal phylogeny when combined with species-tree analysis. *Genome Research*, **2012**, 22, 746-54	9.7	279
31	Primer3--new capabilities and interfaces. *Nucleic Acids Research*, **2012**, 40, e115	20.1	5267
30	Not all sequence tags are created equal: designing and validating sequence identification tags robust to indels. *PLoS ONE*, **2012**, 7, e42543	3.7	207
29	Developing a community-based genetic nomenclature for anole lizards. *BMC Genomics*, **2011**, 12, 554	4.5	19
28	Translocation to a fragmented landscape: survival, movement, and site fidelity of Northern Bobwhites **2010**, 20, 1040-52		34
27	Eighteen microsatellite loci developed from western burrowing owls (Athene cunicularia hypugaea). *Conservation Genetics Resources*, **2010**, 2, 167-171	0.8	4
26	Effects of Tissue Collection Methods on Morphometrics and Survival of Captive Neonatal Northern Bobwhite. *Journal of Wildlife Management*, **2009**, 73, 1241-1244	1.9	0
25	Ten microsatellite loci from Northern Bobwhite (Colinus virginianus). *Conservation Genetics*, **2009**, 10, 535-538	2.6	11

24	Tetranucleotide markers from the loggerhead sea turtle (Caretta caretta) and their cross-amplification in other marine turtle species. *Conservation Genetics*, **2009**, 10, 577-580	2.6	29
23	Isolation and characterization of microsatellite loci from blue-footed boobies (Sula nebouxii). *Conservation Genetics Resources*, **2009**, 1, 159-162	0.8	7
22	Tetranucleotide microsatellite loci from the black bear (Ursus americanus). *Molecular Ecology Resources*, **2009**, 9, 288-91	8.4	13
21	msatcommander: detection of microsatellite repeat arrays and automated, locus-specific primer design. *Molecular Ecology Resources*, **2008**, 8, 92-4	8.4	774
20	Microsatellite markers for eastern hemlock (Tsuga canadensis). *Molecular Ecology Resources*, **2008**, 8, 1354-6	8.4	5
19	Tetranucleotide microsatellites from the loggerhead sea turtle (Caretta caretta). *Molecular Ecology Notes*, **2007**, 7, 784-787		37
18	Tetranucleotide microsatellite loci from eastern bluebirds Sialia sialis. *Molecular Ecology Notes*, **2006**, 6, 646-649		6
17	gmconvert: file conversion for genemapper output files. *Molecular Ecology Notes*, **2006**, 6, 968-970		23
16	Tetranucleotide, trinucleotide, and dinucleotide loci from the bobcat (Lynx rufus). *Molecular Ecology Notes*, **2005**, 5, 387-389		15
15	Post-hatching brood amalgamation in Northern Bobwhites. *Journal of Field Ornithology*, **2005**, 76, 175-182	0.9	18
14	Tetranucleotide and dinucleotide microsatellite loci from the northern bobwhite (Colinus virginianus). *Molecular Ecology Notes*, **2004**, 4, 415-419		7
13	Allele Phasing Greatly Improves the Phylogenetic Utility of Ultraconserved Elements		1
12	Sequence capture of ultraconserved elements from bird museum specimens		2
11	PHYLUCE is a software package for the analysis of conserved genomic loci		7
10	Adapterama IV: Sequence Capture of Dual-digest RADseq Libraries with Identifiable Duplicates (RADcap)		2
9	Adapterama I: Universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext)		40
8	Phylogenomic Analysis of Ants, Bees and Stinging Wasps: Improved Taxon Sampling Enhances Understanding of Hymenopteran Evolution		3
7	Identifying Conserved Genomic Elements and Designing Universal Probe Sets To Enrich Them		4

6	Cultivation and genomics of the first freshwater SAR11 (LD12) isolate	2
5	Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest	4
4	Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD)	6
3	A target enrichment bait set for studying relationships among ostariophysan fishes	3
2	Adapterama II: Universal amplicon sequencing on Illumina platforms (TaggiMatrix)	3
1	High Phylogenetic Utility of an Ultraconserved Element Probe Set Designed for Arachnida	1