

# Brant C Faircloth

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Primer3--new capabilities and interfaces. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, e115	20.1	5267
112	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , <b>2014</b> , 346, 1320-31	33.3	1182
111	msatcommander: detection of microsatellite repeat arrays and automated, locus-specific primer design. <i>Molecular Ecology Resources</i> , <b>2008</b> , 8, 92-4	8.4	774
110	Ultraconserved elements anchor thousands of genetic markers spanning multiple evolutionary timescales. <i>Systematic Biology</i> , <b>2012</b> , 61, 717-26	8.4	698
109	PHYLUCE is a software package for the analysis of conserved genomic loci. <i>Bioinformatics</i> , <b>2016</b> , 32, 786-82	8.2	352
108	The drivers of tropical speciation. <i>Nature</i> , <b>2014</b> , 515, 406-9	50.4	340
107	Ultraconserved elements are novel phylogenomic markers that resolve placental mammal phylogeny when combined with species-tree analysis. <i>Genome Research</i> , <b>2012</b> , 22, 746-54	9.7	279
106	More than 1000 ultraconserved elements provide evidence that turtles are the sister group of archosaurs. <i>Biology Letters</i> , <b>2012</b> , 8, 783-6	3.6	258
105	A phylogeny of birds based on over 1,500 loci collected by target enrichment and high-throughput sequencing. <i>PLoS ONE</i> , <b>2013</b> , 8, e54848	3.7	242
104	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , <b>2014</b> , 346, 1254449	33.3	231
103	Implementing and testing the multispecies coalescent model: A valuable paradigm for phylogenomics. <i>Molecular Phylogenetics and Evolution</i> , <b>2016</b> , 94, 447-62	4.1	230
102	Target capture and massively parallel sequencing of ultraconserved elements for comparative studies at shallow evolutionary time scales. <i>Systematic Biology</i> , <b>2014</b> , 63, 83-95	8.4	226
101	Phylogenomic Insights into the Evolution of Stinging Wasps and the Origins of Ants and Bees. <i>Current Biology</i> , <b>2017</b> , 27, 1019-1025	6.3	215
100	Not all sequence tags are created equal: designing and validating sequence identification tags robust to indels. <i>PLoS ONE</i> , <b>2012</b> , 7, e42543	3.7	207
99	A Phylogenomic Perspective on the Radiation of Ray-Finned Fishes Based upon Targeted Sequencing of Ultraconserved Elements (UCEs). <i>PLoS ONE</i> , <b>2013</b> , 8, e65923	3.7	195
98	A phylogenomic analysis of turtles. <i>Molecular Phylogenetics and Evolution</i> , <b>2015</b> , 83, 250-7	4.1	189
97	Target enrichment of ultraconserved elements from arthropods provides a genomic perspective on relationships among Hymenoptera. <i>Molecular Ecology Resources</i> , <b>2015</b> , 15, 489-501	8.4	175

96	Sequence Capture versus Restriction Site Associated DNA Sequencing for Shallow Systematics. <i>Systematic Biology</i> , <b>2016</b> , 65, 910-24	8.4	152
95	Sequence capture of ultraconserved elements from bird museum specimens. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 1189-203	8.4	146
94	Avoiding Missing Data Biases in Phylogenomic Inference: An Empirical Study in the Landfowl (Aves: Galliformes). <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 1110-25	8.3	145
93	Tectonic collision and uplift of Wallacea triggered the global songbird radiation. <i>Nature Communications</i> , <b>2016</b> , 7, 12709	17.4	141
92	Earth history and the passerine superradiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7916-7925	11.5	121
91	Relating belowground microbial composition to the taxonomic, phylogenetic, and functional trait distributions of trees in a tropical forest. <i>Ecology Letters</i> , <b>2015</b> , 18, 1397-405	10	121
90	Enriching the ant tree of life: enhanced UCE bait set for genome-scale phylogenetics of ants and other Hymenoptera. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 768-776	7.7	108
89	Analysis of a Rapid Evolutionary Radiation Using Ultraconserved Elements: Evidence for a Bias in Some Multispecies Coalescent Methods. <i>Systematic Biology</i> , <b>2016</b> , 65, 612-27	8.4	100
88	Adapterama I: universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext). <i>PeerJ</i> , <b>2019</b> , 7, e7755	3.1	100
87	Explosive diversification of marine fishes at the Cretaceous-Palaeogene boundary. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 688-696	12.3	89
86	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , <b>2020</b> , 587, 252-257	50.4	89
85	RADcap: sequence capture of dual-digest RADseq libraries with identifiable duplicates and reduced missing data. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 1264-78	8.4	85
84	Dry habitats were crucibles of domestication in the evolution of agriculture in ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	81
83	Identifying conserved genomic elements and designing universal bait sets to enrich them. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 1103-1112	7.7	80
82	Universal target-enrichment baits for anthozoan (Cnidaria) phylogenomics: New approaches to long-standing problems. <i>Molecular Ecology Resources</i> , <b>2018</b> , 18, 281-295	8.4	66
81	High phylogenetic utility of an ultraconserved element probe set designed for Arachnida. <i>Molecular Ecology Resources</i> , <b>2017</b> , 17, 812-823	8.4	64
80	Phylogenomic analysis of carangimorph fishes reveals flatfish asymmetry arose in a blink of the evolutionary eye. <i>BMC Evolutionary Biology</i> , <b>2016</b> , 16, 224	3	61
79	Incongruence among different mitochondrial regions: a case study using complete mitogenomes. <i>Molecular Phylogenetics and Evolution</i> , <b>2014</b> , 78, 314-23	4.1	60

78	Investigating Difficult Nodes in the Placental Mammal Tree with Expanded Taxon Sampling and Thousands of Ultraconserved Elements. <i>Genome Biology and Evolution</i> , <b>2017</b> , 9, 2308-2321	3.9	60
77	Cultivation and genomics of the first freshwater SAR11 (LD12) isolate. <i>ISME Journal</i> , <b>2018</b> , 12, 1846-1860	1.9	57
76	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , <b>2015</b> , 4, 4	7.6	54
75	Phylogenomic Systematics of Ostariophysan Fishes: Ultraconserved Elements Support the Surprising Non-Monophyly of Characiformes. <i>Systematic Biology</i> , <b>2017</b> , 66, 881-895	8.4	51
74	Genome-wide ultraconserved elements exhibit higher phylogenetic informativeness than traditional gene markers in percomorph fishes. <i>Molecular Phylogenetics and Evolution</i> , <b>2015</b> , 92, 140-6	4.1	50
73	Hidden histories of gene flow in highland birds revealed with genomic markers. <i>Molecular Ecology</i> , <b>2016</b> , 25, 5144-5157	5.7	49
72	A Phylogenomic Supertree of Birds. <i>Diversity</i> , <b>2019</b> , 11, 109	2.5	47
71	The evolution of a tropical biodiversity hotspot. <i>Science</i> , <b>2020</b> , 370, 1343-1348	33.3	42
70	Replicated divergence in cichlid radiations mirrors a major vertebrate innovation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	40
69	Adapterama I: Universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext)		40
68	The evolution of peafowl and other taxa with ocelli (eyespot): a phylogenomic approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281,	4.4	37
67	Tetranucleotide microsatellites from the loggerhead sea turtle ( <i>Caretta caretta</i> ). <i>Molecular Ecology Notes</i> , <b>2007</b> , 7, 784-787		37
66	Speciation in Western Scrub-Jays, Haldane's rule, and genetic clines in secondary contact. <i>BMC Evolutionary Biology</i> , <b>2014</b> , 14, 135	3	36
65	Conflicting Evolutionary Histories of the Mitochondrial and Nuclear Genomes in New World Myotis Bats. <i>Systematic Biology</i> , <b>2018</b> , 67, 236-249	8.4	34
64	Translocation to a fragmented landscape: survival, movement, and site fidelity of Northern Bobwhites <b>2010</b> , 20, 1040-52		34
63	Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD). <i>PeerJ</i> , <b>2019</b> , 7, e7724	3.1	34
62	Palaeoclimate ocean conditions shaped the evolution of corals and their skeletons through deep time. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1531-1538	12.3	34
61	Allele Phasing Greatly Improves the Phylogenetic Utility of Ultraconserved Elements. <i>Systematic Biology</i> , <b>2019</b> , 68, 32-46	8.4	32

60	Phylogenomic analysis of a rapid radiation of misfit fishes (Syngnathiformes) using ultraconserved elements. <i>Molecular Phylogenetics and Evolution</i> , <b>2017</b> , 113, 33-48	4.1	29
59	Ultraconserved elements (UCEs) resolve the phylogeny of Australasian smurf-weevils. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188044	3.7	29
58	Tetranucleotide markers from the loggerhead sea turtle ( <i>Caretta caretta</i> ) and their cross-amplification in other marine turtle species. <i>Conservation Genetics</i> , <b>2009</b> , 10, 577-580	2.6	29
57	Insight from an ultraconserved element bait set designed for hemipteran phylogenetics integrated with genomic resources. <i>Molecular Phylogenetics and Evolution</i> , <b>2019</b> , 130, 297-303	4.1	28
56	Resolving Deep Nodes in an Ancient Radiation of Neotropical Fishes in the Presence of Conflicting Signals from Incomplete Lineage Sorting. <i>Systematic Biology</i> , <b>2019</b> , 68, 573-593	8.4	27
55	Next-generation phylogenetics takes root. <i>Molecular Ecology</i> , <b>2013</b> , 22, 19-20	5.7	26
54	Adapterama II: universal amplicon sequencing on Illumina platforms (TaggiMatrix). <i>PeerJ</i> , <b>2019</b> , 7, e77863.1	3.1	25
53	gmconvert: file conversion for genemapper output files. <i>Molecular Ecology Notes</i> , <b>2006</b> , 6, 968-970		23
52	Use of sonic tomography to detect and quantify wood decay in living trees. <i>Applications in Plant Sciences</i> , <b>2016</b> , 4, 1600060	2.3	23
51	Significant variance in genetic diversity among populations of <i>Schistosoma haematobium</i> detected using microsatellite DNA loci from a genome-wide database. <i>Parasites and Vectors</i> , <b>2013</b> , 6, 300	4	21
50	What are the roles of taxon sampling and model fit in tests of cyto-nuclear discordance using avian mitogenomic data?. <i>Molecular Phylogenetics and Evolution</i> , <b>2019</b> , 130, 132-142	4.1	21
49	Developing a community-based genetic nomenclature for anole lizards. <i>BMC Genomics</i> , <b>2011</b> , 12, 554	4.5	19
48	Ultraconserved elements (UCEs) illuminate the population genomics of a recent, high-latitude avian speciation event. <i>PeerJ</i> , <b>2018</b> , 6, e5735	3.1	19
47	Post-hatching brood amalgamation in Northern Bobwhites. <i>Journal of Field Ornithology</i> , <b>2005</b> , 76, 175-182		18
46	Genome-wide signals of drift and local adaptation during rapid lineage divergence in a songbird. <i>Molecular Ecology</i> , <b>2018</b> , 27, 5137-5153	5.7	18
45	Capturing Darwin's dream. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 1051-8	8.4	17
44	Habitat structure and colony structure constrain extrapair paternity in a colonial bird. <i>Animal Behaviour</i> , <b>2014</b> , 95, 121-127	2.8	16
43	Interactive effects of male and female age on extra-pair paternity in a socially monogamous seabird. <i>Behavioral Ecology and Sociobiology</i> , <b>2014</b> , 68, 1603-1609	2.5	16

42	Tetranucleotide, trinucleotide, and dinucleotide loci from the bobcat ( <i>Lynx rufus</i> ). <i>Molecular Ecology Notes</i> , <b>2005</b> , 5, 387-389			15
41	A phylogenomic framework for pelagiarian fishes (Acanthomorpha: Percomorpha) highlights mosaic radiation in the open ocean. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20191502	4.4		13
40	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 relación temprana adentro de los gorriones del Nuevo Mundo (Aves: Passerellidae)Phylogenomic insight into New World sparrow phylogeny. <i>Auk</i> , <b>2019</b> , 136, 100-108	2.1		13
39	Tetranucleotide microsatellite loci from the black bear ( <i>Ursus americanus</i> ). <i>Molecular Ecology Resources</i> , <b>2009</b> , 9, 288-91	8.4		13
38	Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest. <i>Molecular Phylogenetics and Evolution</i> , <b>2019</b> , 141, 106627	4.1		12
37	A Target Enrichment Bait Set for Studying Relationships among Ostariophysan Fishes. <i>Copeia</i> , <b>2020</b> , 108, 47	1.1		12
36	Ten microsatellite loci from Northern Bobwhite ( <i>Colinus virginianus</i> ). <i>Conservation Genetics</i> , <b>2009</b> , 10, 535-538	2.6		11
35	Accelerated Diversification Explains the Exceptional Species Richness of Tropical Characoid Fishes. <i>Systematic Biology</i> , <b>2021</b> ,	8.4		11
34	The critical importance of vouchers in genomics. <i>ELife</i> , <b>2021</b> , 10,	8.9		10
33	Phylogenomic analysis of Lake Malawi cichlid fishes: Further evidence that the three-stage model of diversification does not fit. <i>Molecular Phylogenetics and Evolution</i> , <b>2017</b> , 114, 40-48	4.1		9
32	Targeted DNA Region Re-sequencing <b>2016</b> , 43-68			9
31	Isolation and characterization of microsatellite loci from blue-footed boobies ( <i>Sula nebouxii</i> ). <i>Conservation Genetics Resources</i> , <b>2009</b> , 1, 159-162	0.8		7
30	Tetranucleotide and dinucleotide microsatellite loci from the northern bobwhite ( <i>Colinus virginianus</i> ). <i>Molecular Ecology Notes</i> , <b>2004</b> , 4, 415-419			7
29	PHYLUCE is a software package for the analysis of conserved genomic loci			7
28	Extensive paraphyly in the typical owl family (Strigidae). <i>Auk</i> , <b>2020</b> , 137,	2.1		7
27	Tetranucleotide microsatellite loci from eastern bluebirds <i>Sialia sialis</i> . <i>Molecular Ecology Notes</i> , <b>2006</b> , 6, 646-649			6
26	Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD)			6
25	Divergence, gene flow, and speciation in eight lineages of trans-Beringian birds. <i>Molecular Ecology</i> , <b>2020</b> , 29, 3526-3542	5.7		6

24	Microsatellite markers for eastern hemlock ( <i>Tsuga canadensis</i> ). <i>Molecular Ecology Resources</i> , <b>2008</b> , 8, 1354-6	8.4	5
23	Using ultraconserved elements to track the influence of sea-level change on leafy seadragon populations. <i>Molecular Ecology</i> , <b>2021</b> , 30, 1364-1380	5.7	5
22	Phylogenomics of montane frogs of the Brazilian Atlantic Forest is consistent with isolation in sky islands followed by climatic stability. <i>Biological Journal of the Linnean Society</i> , <b>2018</b> ,	1.9	4
21	Speciation despite gene flow in two owls ( <i>Aegolius</i> spp.): Evidence from 2,517 ultraconserved element loci. <i>Auk</i> , <b>2019</b> , 136,	2.1	4
20	Eighteen microsatellite loci developed from western burrowing owls ( <i>Athene cucularia hypugaea</i> ). <i>Conservation Genetics Resources</i> , <b>2010</b> , 2, 167-171	0.8	4
19	Identifying Conserved Genomic Elements and Designing Universal Probe Sets To Enrich Them		4
18	Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest		4
17	A Highly Contiguous Reference Genome for Northern Bobwhite ( <i>Colinus virginianus</i> ). <i>G3: Genes, Genomes, Genetics</i> , <b>2019</b> , 9, 3929-3932	3.2	4
16	Phylogenetic relationships of diurnal, phytotelm-breeding <i>Melanophryniscus</i> (Anura: Bufonidae) based on mitogenomic data. <i>Gene</i> , <b>2017</b> , 628, 194-199	3.8	3
15	Phylogenomic Analysis of Ants, Bees and Stinging Wasps: Improved Taxon Sampling Enhances Understanding of Hymenopteran Evolution		3
14	A target enrichment bait set for studying relationships among ostariophysan fishes		3
13	Adapterama II: Universal amplicon sequencing on Illumina platforms (TaggiMatrix)		3
12	The mitochondrial genome of <i>Brachycephalus brunneus</i> (Anura: Brachycephalidae), with comments on the phylogenetic position of Brachycephalidae. <i>Biochemical Systematics and Ecology</i> , <b>2017</b> , 71, 26-31	1.4	2
11	Sequence capture of ultraconserved elements from bird museum specimens		2
10	Adapterama IV: Sequence Capture of Dual-digest RADseq Libraries with Identifiable Duplicates (RADcap)		2
9	Cultivation and genomics of the first freshwater SAR11 (LD12) isolate		2
8	Comparison of ultraconserved elements (UCEs) to microsatellite markers for the study of avian hybrid zones: a test in <i>Aphelocoma jays</i> . <i>BMC Research Notes</i> , <b>2019</b> , 12, 456	2.3	1
7	Displaced clines in an avian hybrid zone ( <i>Thamnophilidae</i> : <i>Rhegmatorhina</i> ) within an Amazonian interfluvium. <i>Evolution; International Journal of Organic Evolution</i> , <b>2021</b> ,	3.8	1

6	Allele Phasing Greatly Improves the Phylogenetic Utility of Ultraconserved Elements		1
5	High Phylogenetic Utility of an Ultraconserved Element Probe Set Designed for Arachnida		1
4	Genome assemblies for two Neotropical trees: <i>Jacaranda copaia</i> and <i>Handroanthus guayacan</i> . <i>G3: Genes, Genomes, Genetics</i> , <b>2021</b> , 11,	3.2	1
3	Effects of Tissue Collection Methods on Morphometrics and Survival of Captive Neonatal Northern Bobwhite. <i>Journal of Wildlife Management</i> , <b>2009</b> , 73, 1241-1244	1.9	0
2	Multiple species and deep genomic divergences despite little phenotypic differentiation in an ancient Neotropical songbird, <i>Tunchiornis ochraceiceps</i> (Sclater, 1860) (Aves: Vireonidae). <i>Molecular Phylogenetics and Evolution</i> , <b>2021</b> , 162, 107206	4.1	0
1	Systematics of <i>Lepidothrix</i> manakins (Aves: Passeriformes: Pipridae) using RADcap markers.. <i>Molecular Phylogenetics and Evolution</i> , <b>2022</b> , 107525	4.1	0