Christine D Bacon

List of Publications by Year
in descending order

79 papers	3,104 citations	172457 29 h-index	182427 51 g-index
98 all docs	98 docs citations	98 times ranked	4520 citing authors

#	Article	IF	Citations
1	Biological evidence supports an early and complex emergence of the Isthmus of Panama. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6110-6115.	7.1	460
2	Amazonia is the primary source of Neotropical biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6034-6039.	7.1	352
3	Revisiting the origin and diversification of vascular plants through a comprehensive Bayesian analysis of the fossil record. New Phytologist, 2015, 207, 425-436.	7.3	128
4	Recovery of plant DNA using a reciprocating saw and silica-based columns. Molecular Ecology Notes, 2006, 7, 5-9.	1.7	124
5	Embracing heterogeneity: coalescing the Tree of Life and the future of phylogenomics. PeerJ, 2019, 7, e6399.	2.0	111
6	Conceptual and empirical advances in Neotropical biodiversity research. PeerJ, 2018, 6, e5644.	2.0	107
7	Comment (1) on â€œFormation of the Isthmus of Panamaâ€•by Oâ€™Dea <i>et al</i> .. Science Advances, 2017, 3, e1602321.	10.3	88
8	Miocene Dispersal Drives Island Radiations in the Palm Tribe Trachycarpeae (Arecaceae). Systematic Biology, 2012, 61, 426-442.	5.6	77
9	Testing geological models of evolution of the Isthmus of Panama in a phylogenetic framework. Botanical Journal of the Linnean Society, 2013, 171, 287-300.	1.6	77
10	An engine for global plant diversity: highest evolutionary turnover and emigration in the American tropics. Frontiers in Genetics, 2015, 6, 130.	2.3	77
11	A Guide to Carrying Out a Phylogenomic Target Sequence Capture Project. Frontiers in Genetics, 2019, 10, 1407.	2.3	76
12	Fossil data support a pre-Cretaceous origin of flowering plants. Nature Ecology and Evolution, 2021, 5, 449-457.	7.8	59
13	Quaternary glaciation and the Great American Biotic Interchange. Geology, 2016, 44, 375-378.	4.4	57
14	SECAPRâ€"a bioinformatics pipeline for the rapid and user-friendly processing of targeted enriched Illumina sequences, from raw reads to alignments. PeerJ, 2018, 6, e5175.	2.0	52
15	Fossil biogeography: a new model to infer dispersal, extinction and sampling from palaeontological data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150225.	4.0	51
16	Evolutionary persistence in<i>Gunnera</i>and the contribution of southern plant groups to the tropical Andes biodiversity hotspot. PeerJ, 2018, 6, e4388.	2.0	47
17	Evaluating multiple criteria for species delimitation: an empirical example using Hawaiian palms (Arecaceae: Pritchardia). BMC Evolutionary Biology, 2012, 12, 23.	3.2	42
18	GEOGRAPHIC AND TAXONOMIC DISPARITIES IN SPECIES DIVERSITY: DISPERSAL AND DIVERSIFICATION RATES ACROSS WALLACE'S LINE. Evolution; International Journal of Organic Evolution, 2013, 67, 2058-2071.	2.3	42

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19	Toward a Self-Updating Platform for Estimating Rates of Speciation and Migration, Ages, and Relationships of Taxa. Systematic Biology, 2017, 66, syw066.	5.6	42
20	An introduction to plant phylogenomics with a focus on palms. Botanical Journal of the Linnean Society, 2016, 182, 234-255.	1.6	42
21	Disproportionate extinction of South American mammals drove the asymmetry of the Great American Biotic Interchange. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26281-26287.	7.1	41
22	Targeted Capture of Hundreds of Nuclear Genes Unravels Phylogenetic Relationships of the Diverse Neotropical Palm Tribe Geonomateae. Frontiers in Plant Science, 2019, 10, 864.	3.6	40
23	Delimitation of the Segregate Genera of <i>Maytenus</i> s. l. (Celastraceae) Based on Morphological and Molecular Characters. Systematic Botany, 2011, 36, 922-932.	0.5	38
24	The Neogene rise of the tropical Andes facilitated diversification of wax palms (<i>Ceroxylon</i>:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 the Linnean Society, 2016, 182, 303-317.	1.6	38
25	Historical Biogeography of Caribbean Plants Revises Regional Paleogeography. Fascinating Life Sciences, 2020, , 521-546.	0.9	34
26	Phylogeny of Celastraceae tribe Euonymeae inferred from morphological characters and nuclear and plastid genes. Molecular Phylogenetics and Evolution, 2012, 62, 9-20.	2.7	33
27	Reply to Lessios and Marko et al.: Early and progressive migration across the Isthmus of Panama is robust to missing data and biases. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5767-8.	7.1	33
28	On the Young Savannas in the Land of Ancient Forests. Fascinating Life Sciences, 2020, , 271-298.	0.9	32
29	The roles of dispersal and mass extinction in shaping palm diversity across the Caribbean. Journal of Biogeography, 2018, 45, 1432-1443.	3.0	31
30	Iriarteeae palms tracked the uplift of Andean Cordilleras. Journal of Biogeography, 2018, 45, 1653-1663.	3.0	31
31	The road to evolutionary success: insights from the demographic history of an Amazonian palm. Heredity, 2018, 121, 183-195.	2.6	29
32	Biogeography of the Malagasy Celastraceae: Multiple independent origins followed by widespread dispersal of genera from Madagascar. Molecular Phylogenetics and Evolution, 2016, 94, 365-382.	2.7	27
33	Taxonomy and Conservation: A Case Study from Chamaedorea alternans. Annals of Botany, 2006, 98, 755-763.	2.9	26
34	phylotaR: An Automated Pipeline for Retrieving Orthologous DNA Sequences from GenBank in R. Life, 2018, 8, 20.	2.4	26
35	Could coastal plants in western Amazonia be relicts of past marine incursions?. Journal of Biogeography, 2019, 46, 1749-1759.	3.0	26
36	Transitions between biomes are common and directional in Bombacoideae (Malvaceae). Journal of Biogeography, 2020, 47, 1310-1321.	3.0	26

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37	Ancient Polyploidy and Genome Evolution in Palms. Genome Biology and Evolution, 2019, 11, 1501-1511.	2.5	25
38	Leveraging the rice genome sequence for monocot comparative and translational genomics. Theoretical and Applied Genetics, 2007, 115, 237-243.	3.6	24
39	Endemic palm species shed light on habitat shifts and the assembly of the Cerrado and Restinga floras. Molecular Phylogenetics and Evolution, 2017, 110, 127-133.	2.7	24
40	Soil fertility and flood regime are correlated with phylogenetic structure of Amazonian palm communities. Annals of Botany, 2019, 123, 641-655.	2.9	23
41	Phylogeny of Celastraceae Subfamilies Cassinoideae and Tripterygioideae Inferred from Morphological Characters and Nuclear and Plastid Loci. Systematic Botany, 2012, 37, .	0.5	21
42	Niche conservatism drives a global discrepancy in palm species richness between seasonally dry and moist habitats. Global Ecology and Biogeography, 2019, 28, 814-825.	5.8	21
43	Novel nuclear intronâ€spanning primers for Arecaceae evolutionary biology. Molecular Ecology Resources, 2008, 8, 211-214.	4.8	20
44	Biome evolution and biogeographical change through time. Frontiers of Biogeography, 2013, 5, .	1.8	20
45	Selective extinction against redundant species buffers functional diversity. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201162.	2.6	19
46	Population genetics of the understory fishtail palm Chamaedorea ernesti-augusti in Belize: high genetic connectivity with local differentiation. BMC Genetics, 2009, 10, 65.	2.7	18
47	Phylogenetics of Iriarteeae (Arecaceae), cross-Andean disjunctions and convergence of clustered infructescence morphology in<i>Wettinia</i>. Botanical Journal of the Linnean Society, 2016, 182, 272-286.	1.6	18
48	Unraveling the Phylogenomic Relationships of the Most Diverse African Palm Genus Raphia (Calamoideae, Arecaceae). Plants, 2020, 9, 549.	3.5	16
49	Rivers shape population genetic structure in <i>Mauritia flexuosa</i> (Arecaceae). Ecology and Evolution, 2018, 8, 6589-6598.	1.9	15
50	Phylogenomics, biogeography and evolution in the American genus Brahea (Arecaceae). Botanical Journal of the Linnean Society, 2019, 190, 242-259.	1.6	14
51	Climate and geological change as drivers of Mauritiinae palm biogeography. Journal of Biogeography, 2021, 48, 1001-1022.	3.0	14
52	Lanonia (Arecaceae: Palmae), a New Genus from Asia, with a Revision of the Species. Systematic Botany, 2011, 36, 883-895.	0.5	13
53	Exploring palm-insect interactions across geographical and environmental gradients. Botanical Journal of the Linnean Society, 2016, 182, 389-397.	1.6	12
54	Adjacency and Area Explain Species Bioregional Shifts in Neotropical Palms. Frontiers in Plant Science, 2019, 10, 55.	3.6	12

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55	Genome scans reveal high levels of gene flow in Hawaiian <i>Pittosporum</i>. Taxon, 2011, 60, 733-741.	0.7	10
56	Pollinators drive floral evolution in an Atlantic Forest genus. AoB PLANTS, 2020, 12, plaa046.	2.3	10
57	Decreased soil moisture due to warming drives phylogenetic diversity and community transitions in the tundra. Environmental Research Letters, 2021, 16, 064031.	5.2	10
58	A bioinformatic platform to integrate target capture and whole genome sequences of various read depths for phylogenomics. Molecular Ecology, 2021, 30, 6021-6035.	3.9	10
59	Species limits, geographical distribution and genetic diversity inJohannesteijsmannia(Arecaceae). Botanical Journal of the Linnean Society, 2016, 182, 318-347.	1.6	9
60	Diversity, Endemism, and Evolutionary History of Montane Biotas Outside the Andean Region. Fascinating Life Sciences, 2020, , 299-328.	0.9	9
61	Target sequence capture of Barnadesioideae (Compositae) demonstrates the utility of low coverage loci in phylogenomic analyses. Molecular Phylogenetics and Evolution, 2022, 169, 107432.	2.7	9
62	Higher evolutionary rates in life-history traits in insular than in mainland palms. Scientific Reports, 2020, 10, 21125.	3.3	8
63	Genomic and niche divergence in an Amazonian palm species complex. Botanical Journal of the Linnean Society, 2021, 197, 498-512.	1.6	8
64	Empowering Latina scientists. Science, 2019, 363, 825-826.	12.6	7
65	Drivers of bromeliad leaf and floral bract variation across a latitudinal gradient in the Atlantic Forest. Journal of Biogeography, 2020, 47, 261-274.	3.0	6
66	Volcanic events coincide with plant dispersal across the Northern Andes. Global and Planetary Change, 2022, 210, 103757.	3.5	5
67	Incongruent Spatial Distribution of Taxonomic, Phylogenetic, and Functional Diversity in Neotropical Cocosoid Palms. Frontiers in Forests and Global Change, 2021, 4, .	2.3	5
68	Selective Sweeps Lead to Evolutionary Success in an Amazonian Hyperdominant Palm. Frontiers in Genetics, 2020, 11, 596662.	2.3	4
69	Landscape configuration of an Amazonian island-like ecosystem drives population structure and genetic diversity of a habitat-specialist bird. Landscape Ecology, 2021, 36, 2565-2582.	4.2	4
70	Development of microsatellites in the Hawaiian endemic palm Pritchardia martii (Arecaceae) and their utility in congeners. American Journal of Botany, 2011, 98, e139-e140.	1.7	3
71	<i>In situ</i>radiation explains the frequency of dioecious palms on islands. Annals of Botany, 2021, 128, 205-215.	2.9	3
72	Spatioâ€temporal evolution of the catuaba clade in the Neotropics: Morphological shifts correlate with habitat transitions. Journal of Biogeography, 2022, 49, 1086-1098.	3.0	3

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73	Recent and local diversification of Central American understorey palms. Global Ecology and Biogeography, 2022, 31, 1513-1525.	5.8	3
74	Acaulescence promotes speciation and shapes the distribution patterns of palms in Neotropical seasonally dry habitats. Ecography, 2022, 2022, .	4.5	2
75	Challenging transitions. Science, 2019, 363, 24-26.	12.6	1
76	The seasonally dry tropical forest species Cavanillesia chicamochae has a middle Quaternary origin. Biotropica, 0, , .	1.6	1
77	Community voices: sowing, germinating, flourishing as strategies to support inclusion in STEM. Nature Communications, 2022, 13, .	12.8	1
78	Biome evolution and biogeographical change through time. Frontiers of Biogeography, 2013, 5, .	1.8	0
79	Travel for two. Science, 2019, 364, 902-902.	12.6	0