

# Jeremy M Beaulieu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

6,393  
citations

147801  
31  
h-index

182427  
51  
g-index

59  
all docs

59  
docs citations

59  
times ranked

8670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three keys to the radiation of angiosperms into freezing environments. <i>Nature</i> , 2014, 506, 89-92.	27.8	1,284
2	MODELING STABILIZING SELECTION: EXPANDING THE ORNSTEIN-UHLENBECK MODEL OF ADAPTIVE EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2369-2383.	2.3	537
3	Detecting Hidden Diversification Shifts in Models of Trait-Dependent Speciation and Extinction. <i>Systematic Biology</i> , 2016, 65, 583-601.	5.6	447
4	Genome size is a strong predictor of cell size and stomatal density in angiosperms. <i>New Phytologist</i> , 2008, 179, 975-986.	7.3	436
5	An uncorrelated relaxed-clock analysis suggests an earlier origin for flowering plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5897-5902.	7.1	352
6	Identifying Hidden Rate Changes in the Evolution of a Binary Morphological Character: The Evolution of Plant Habit in Campanulid Angiosperms. <i>Systematic Biology</i> , 2013, 62, 725-737.	5.6	306
7	Hemisphere-scale differences in conifer evolutionary dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16217-16221.	7.1	280
8	Mega-phylogeny approach for comparative biology: an alternative to supertree and supermatrix approaches. <i>BMC Evolutionary Biology</i> , 2009, 9, 37.	3.2	231
9	Correlated evolution of genome size and seed mass. <i>New Phytologist</i> , 2007, 173, 422-437.	7.3	189
10	Understanding angiosperm diversification using small and large phylogenetic trees. <i>American Journal of Botany</i> , 2011, 98, 404-414.	1.7	161
11	The Dynamic Ups and Downs of Genome Size Evolution in Brassicaceae. <i>Molecular Biology and Evolution</i> , 2008, 26, 85-98.	8.9	158
12	Hidden state models improve state-dependent diversification approaches, including biogeographical models. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 2308-2324.	2.3	145
13	Genome Size Scaling through Phenotype Space. <i>Annals of Botany</i> , 2008, 101, 759-766.	2.9	138
14	Life history influences rates of climatic niche evolution in flowering plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4345-4352.	2.6	129
15	A Southern Hemisphere origin for campanulid angiosperms, with traces of the break-up of Gondwana. <i>BMC Evolutionary Biology</i> , 2013, 13, 80.	3.2	122
16	Functional distinctiveness of major plant lineages. <i>Journal of Ecology</i> , 2014, 102, 345-356.	4.0	108
17	Heterogeneous Rates of Molecular Evolution and Diversification Could Explain the Triassic Age Estimate for Angiosperms. <i>Systematic Biology</i> , 2015, 64, 869-878.	5.6	108
18	Accelerated diversification is related to life history and locomotion in a hyperdiverse lineage of microbial eukaryotes (Diatoms, Bacillariophyta). <i>New Phytologist</i> , 2018, 219, 462-473.	7.3	104

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19	Extinction can be estimated from moderately sized molecular phylogenies. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1036-1043.	2.3	92
20	FRUIT EVOLUTION AND DIVERSIFICATION IN CAMPANULID ANGIOSPERMS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3132-3144.	2.3	85
21	Genome Size Dynamics and Evolution in Monocots. <i>Journal of Botany</i> , 2010, 2010, 1-18.	1.2	66
22	Genome Size Evolution in Relation to Leaf Strategy and Metabolic Rates Revisited. <i>Annals of Botany</i> , 2007, 99, 495-505.	2.9	65
23	Diatoms diversify and turn over faster in freshwater than marine environments*. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2497-2511.	2.3	65
24	Integrating Fossil Preservation Biases in the Selection of Calibrations for Molecular Divergence Time Estimation. <i>Systematic Biology</i> , 2011, 60, 519-527.	5.6	62
25	CORRELATED EVOLUTION OF GENOME SIZE AND CELL VOLUME IN DIATOMS (BACILLARIOPHYCEAE) <sup>1</sup> . <i>Journal of Phycology</i> , 2008, 44, 124-131.	2.3	60
26	Generalized hidden Markov models for phylogenetic comparative datasets. <i>Methods in Ecology and Evolution</i> , 2021, 12, 468-478.	5.2	58
27	Variation in seed size is structured by dispersal syndrome and cone morphology in conifers and other nonflowering seed plants. <i>New Phytologist</i> , 2017, 216, 429-437.	7.3	53
28	Synthesizing phylogenetic knowledge for ecological research. <i>Ecology</i> , 2012, 93, S4-S13.	3.2	52
29	Can we build it? Yes we can, but should we use it? Assessing the quality and value of a very large phylogeny of campanulid angiosperms. <i>American Journal of Botany</i> , 2018, 105, 417-432.	1.7	45
30	The monocotyledonous underground: global climatic and phylogenetic patterns of geophyte diversity. <i>American Journal of Botany</i> , 2019, 106, 850-863.	1.7	44
31	Megacycles of atmospheric carbon dioxide concentration correlate with fossil plant genome size. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 556-564.	4.0	39
32	Past, future, and present of state-dependent models of diversification. <i>American Journal of Botany</i> , 2016, 103, 792-795.	1.7	39
33	On the Relationship between Pollen Size and Genome Size. <i>Journal of Botany</i> , 2010, 2010, 1-7.	1.2	38
34	Explaining the distribution of breeding and dispersal syndromes in conifers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131812.	2.6	29
35	A flexible method for estimating tip diversification rates across a range of speciation and extinction scenarios. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1420-1433.	2.3	26
36	On the Tempo of Genome Size Evolution in Angiosperms. <i>Journal of Botany</i> , 2010, 2010, 1-8.	1.2	24

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37	Geophytism in monocots leads to higher rates of diversification. <i>New Phytologist</i> , 2020, 225, 1023-1032.	7.3	22
38	Retiring “Cradles” and “Museums” of Biodiversity. <i>American Naturalist</i> , 2022, 199, 194-205.	2.1	22
39	Cone size is related to branching architecture in conifers. <i>New Phytologist</i> , 2014, 203, 1119-1127.	7.3	21
40	Hidden Markov Models for Studying the Evolution of Binary Morphological Characters. , 2014, , 395-408.		17
41	Linking mode of seed dispersal and climatic niche evolution in flowering plants. <i>Journal of Biogeography</i> , 2023, 50, 43-56.	3.0	17
42	Modelling Stabilizing Selection: The Attraction of Ornstein–Uhlenbeck Models. , 2014, , 381-393.		16
43	Diversity and skepticism are vital for comparative biology: a response to Donoghue and Edwards (2019). <i>American Journal of Botany</i> , 2019, 106, 613-617.	1.7	15
44	Integration and macroevolutionary patterns in the pollination biology of conifers. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1573-1583.	2.3	11
45	Population Genetics Based Phylogenetics Under Stabilizing Selection for an Optimal Amino Acid Sequence: A Nested Modeling Approach. <i>Molecular Biology and Evolution</i> , 2019, 36, 834-851.	8.9	11
46	Adaptive evolution to novel predators facilitates the evolution of damselfly species range shifts. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 974-984.	2.3	9
47	The right stuff: evidence for an “optimal” genome size in a wild grass population. <i>New Phytologist</i> , 2010, 187, 883-885.	7.3	6
48	Zanne et al. reply. <i>Nature</i> , 2015, 521, E6-E7.	27.8	3
49	Comparative Analyses of Phenotypic Sequences Using Phylogenetic Trees. <i>American Naturalist</i> , 2020, 195, E38-E50.	2.1	2
50	Synthesizing Existing Phylogenetic Data to Advance Phylogenetic Research in Orobanchaceae. <i>Systematic Botany</i> , 2022, 47, 533-544.	0.5	2
51	A Spatially Explicit Model of Stabilizing Selection for Improving Phylogenetic Inference. <i>Molecular Biology and Evolution</i> , 2021, 38, 1641-1652.	8.9	1