

# David Bryant

## 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.

31  
papers

10,834  
citations

14  
h-index

34  
g-index

34  
ext. papers

13,467  
ext. citations

7.8  
avg, IF

7.02  
L-index

#	Paper	IF	Citations
31	Application of phylogenetic networks in evolutionary studies. <i>Molecular Biology and Evolution</i> , <b>2006</b> , 23, 254-67	8.3	5807
30	popart: full-feature software for haplotype network construction. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 1110-1116	7.7	2356
29	Neighbor-net: an agglomerative method for the construction of phylogenetic networks. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 255-65	8.3	1318
28	Inferring species trees directly from biallelic genetic markers: bypassing gene trees in a full coalescent analysis. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 1917-32	8.3	553
27	Endosymbiotic origin and differential loss of eukaryotic genes. <i>Nature</i> , <b>2015</b> , 524, 427-32	50.4	190
26	Origins of major archaeal clades correspond to gene acquisitions from bacteria. <i>Nature</i> , <b>2015</b> , 517, 77-80	50.4	169
25	A classification of consensus methods for phylogenetics. <i>DIMACS Series in Discrete Mathematics and Theoretical Computer Science</i> , <b>2003</b> , 163-183		120
24	Investigating the global dispersal of chickens in prehistory using ancient mitochondrial DNA signatures. <i>PLoS ONE</i> , <b>2012</b> , 7, e39171	3.7	84
23	Species delimitation and phylogeny of a New Zealand plant species radiation. <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 111	3	46
22	Continuous and tractable models for the variation of evolutionary rates. <i>Mathematical Biosciences</i> , <b>2006</b> , 199, 216-33	3.9	30
21	Flexible methods for estimating genetic distances from single nucleotide polymorphisms. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 938-948	7.7	26
20	Can We "Future-Proof" Consensus Trees?. <i>Systematic Biology</i> , <b>2017</b> , 66, 611-619	8.4	24
19	How disturbance and dispersal influence intraspecific structure. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1298-1306		18
18	Hyperconvexity and tight-span theory for diversities. <i>Advances in Mathematics</i> , <b>2012</b> , 231, 3172-3198	1.3	15
17	Hunting for trees in binary character sets: efficient algorithms for extraction, enumeration, and optimization. <i>Journal of Computational Biology</i> , <b>1996</b> , 3, 275-88	1.7	12
16	The probability of monophyly of a sample of gene lineages on a species tree. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8002-9	11.5	12
15	The dimensionality of niche space allows bounded and unbounded processes to jointly influence diversification. <i>Nature Communications</i> , <b>2018</b> , 9, 4258	17.4	11

14	Monte Carlo Strategies for Selecting Parameter Values in Simulation Experiments. <i>Systematic Biology</i> , <b>2015</b> , 64, 741-51	8.4	10
13	Efficient Recycled Algorithms for Quantitative Trait Models on Phylogenies. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 1338-50	3.9	7
12	Failure to Recover Major Events of Gene Flux in Real Biological Data Due to Method Misapplication. <i>Genome Biology and Evolution</i> , <b>2018</b> , 10, 1198-1209	3.9	4
11	Statistical flaws undermine pre-Columbian chicken debate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3584	11.5	4
10	Bayesian Inference of Species Trees using Diffusion Models. <i>Systematic Biology</i> , <b>2021</b> , 70, 145-161	8.4	4
9	Constant Distortion Embeddings of Symmetric Diversities. <i>Analysis and Geometry in Metric Spaces</i> , <b>2016</b> , 4,	0.6	3
8	The link between segregation and phylogenetic diversity. <i>Journal of Mathematical Biology</i> , <b>2012</b> , 64, 149-62	2	2
7	An $O(n \log n)$ Time Algorithm for Computing the Path-Length Distance Between Trees. <i>Algorithmica</i> , <b>2019</b> , 81, 3692-3706	0.9	1
6	Discrete coalescent trees. <i>Journal of Mathematical Biology</i> , <b>2021</b> , 83, 60	2	1
5	V-Spline: An Adaptive Smoothing Spline for Trajectory Reconstruction. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
4	Negative-Type Diversities, a Multi-dimensional Analogue of Negative-Type Metrics. <i>Journal of Geometric Analysis</i> , <b>2021</b> , 31, 1703-1720	0.9	0
3	FRASLIMITS FOR RELATIONAL METRIC STRUCTURES. <i>Journal of Symbolic Logic</i> , 1-22	0.4	0
2	Bureaucratic set systems, and their role in phylogenetics. <i>Applied Mathematics Letters</i> , <b>2012</b> , 25, 1148-1152	3.3	0
1	Forty Years of Model-Based Phylogeography. <i>Computational Biology</i> , <b>2013</b> , 17-28	0.7	0