

# Paul O Lewis

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

4,220  
citations

279487

23  
h-index

360668

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

5963  
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental test of Lanchester's models of combat in the neotropical termite <i>Nasutitermes corniger</i> (Blattodea: Termitidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220343.	1.2	2
2	New partition based measures for data compatibility and information gain. <i>Statistics in Medicine</i> , 2021, 40, 3560-3581.	0.8	3
3	Bayesian Concentration Ratio and Dissonance. <i>Bayesian Analysis</i> , 2021, -1, .	1.6	0
4	BEAGLE 3: Improved Performance, Scaling, and Usability for a High-Performance Computing Library for Statistical Phylogenetics. <i>Systematic Biology</i> , 2019, 68, 1052-1061.	2.7	139
5	Assessing Combinability of Phylogenomic Data Using Bayes Factors. <i>Systematic Biology</i> , 2019, 68, 744-754.	2.7	6
6	Partition Weighted Approach For Estimating the Marginal Posterior Density With Applications. <i>Journal of Computational and Graphical Statistics</i> , 2019, 28, 334-349.	0.9	1
7	Order, please! Uncertainty in the ordinal-level classification of Chlorophyceae. <i>PeerJ</i> , 2019, 7, e6899.	0.9	25
8	A New Monte Carlo Method for Estimating Marginal Likelihoods. <i>Bayesian Analysis</i> , 2018, 13, 311-333.	1.6	17
9	Organellar phylogenomics inform systematics in the green algal family Hydrodictyaceae (Chlorophyceae) and provide clues to the complex evolutionary history of plastid genomes in the green algal tree of life. <i>American Journal of Botany</i> , 2018, 105, 315-329.	0.8	23
10	Anchored phylogenomics improves the resolution of evolutionary relationships in the rapid radiation of <i>Protea</i> L. <i>American Journal of Botany</i> , 2017, 104, 102-115.	0.8	108
11	Evolution of woody life form on tropical mountains in the tribe Spermaceae (Rubiaceae). <i>American Journal of Botany</i> , 2017, 104, 419-438.	0.8	22
12	Comparative analyses of chloroplast genome data representing nine green algae in Sphaeropleales (Chlorophyceae, Chlorophyta). <i>Data in Brief</i> , 2016, 7, 558-570.	0.5	12
13	Estimating Bayesian Phylogenetic Information Content. <i>Systematic Biology</i> , 2016, 65, 1009-1023.	2.7	31
14	Hiding in plain sight: <i>Koshicola spirodelophila</i> gen. et sp. nov. (Chaetopeltidales), <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (C polyrhiza</i> . <i>American Journal of Botany</i> , 2016, 103, 865-875.	0.8	27
15	Chloroplast phylogenomic data from the green algal order Sphaeropleales (Chlorophyceae,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Evolution</i> , 2016, 98, 176-183.	1.2	46
16	Phycas: Software for Bayesian Phylogenetic Analysis. <i>Systematic Biology</i> , 2015, 64, 525-531.	2.7	30
17	The Hedyotis-Oldenlandia complex (Rubiaceae: Spermaceae) in Asia and the Pacific: Phylogeny revisited with new generic delimitations. <i>Taxon</i> , 2015, 64, 299-322.	0.4	35
18	Gene Arrangement Convergence, Diverse Intron Content, and Genetic Code Modifications in Mitochondrial Genomes of Sphaeropleales (Chlorophyta). <i>Genome Biology and Evolution</i> , 2014, 6, 2170-2180.	1.1	37

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19	Putting <i>incertae sedis</i> taxa in their place: a proposal for ten new families and three new genera in Sphaeropleales (Chlorophyceae, Chlorophyta). <i>Journal of Phycology</i> , 2014, 50, 14-25.	1.0	78
20	Posterior Predictive Bayesian Phylogenetic Model Selection. <i>Systematic Biology</i> , 2014, 63, 309-321.	2.7	47
21	Widespread desert affiliation of trebouxiophycean algae ( <i>Trebouxiophyceae</i> ). <i>Journal of Phycology</i> , 2014, 62, 294-305.	0.8	51
22	New phylogenetic hypotheses for the core Chlorophyta based on chloroplast sequence data. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	1.1	23
23	A Conditional Autoregressive Model for Detecting Natural Selection in Protein-Coding DNA Sequences. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013, , 203-212.	0.1	0
24	BEAGLE: An Application Programming Interface and High-Performance Computing Library for Statistical Phylogenetics. <i>Systematic Biology</i> , 2012, 61, 170-173.	2.7	555
25	Probing the Monophyly of the Sphaeropleales (Chlorophyceae) Using Data From Five Genes. <i>Journal of Phycology</i> , 2012, 48, 1482-1493.	1.0	25
26	Choosing among Partition Models in Bayesian Phylogenetics. <i>Molecular Biology and Evolution</i> , 2011, 28, 523-532.	3.5	183
27	Improving Marginal Likelihood Estimation for Bayesian Phylogenetic Model Selection. <i>Systematic Biology</i> , 2011, 60, 150-160.	2.7	850
28	Explaining species distribution patterns through hierarchical modeling. <i>Bayesian Analysis</i> , 2006, 1, 41.	1.6	104
29	Unearthing the Molecular Phylodiversity of Desert Soil Green Algae (Chlorophyta). <i>Systematic Biology</i> , 2005, 54, 936-947.	2.7	134
30	Polytomies and Bayesian Phylogenetic Inference. <i>Systematic Biology</i> , 2005, 54, 241-253.	2.7	294
31	Phylogeny estimation: traditional and Bayesian approaches. <i>Nature Reviews Genetics</i> , 2003, 4, 275-284.	7.7	504
32	NCL: a C++ class library for interpreting data files in NEXUS format. <i>Bioinformatics</i> , 2003, 19, 2330-2331.	1.8	17
33	Effects of Nucleotide Composition Bias on the Success of the Parsimony Criterion in Phylogenetic Inference. <i>Molecular Biology and Evolution</i> , 2001, 18, 1024-1033.	3.5	65
34	Bias in Phylogenetic Estimation and Its Relevance to the Choice between Parsimony and Likelihood Methods. <i>Systematic Biology</i> , 2001, 50, 525-539.	2.7	190
35	Bias in Phylogenetic Estimation and Its Relevance to the Choice between Parsimony and Likelihood Methods. <i>Systematic Biology</i> , 2001, 50, 525-539.	2.7	309
36	Pleistocene refugium endemics exhibit greater allozymic diversity than widespread congeners in the genus <i>Polygonella</i> ( <i>Polygonaceae</i> ). <i>American Journal of Botany</i> , 1995, 82, 141-149.	0.8	154

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37	Pleistocene refugium endemics exhibit greater allozymic diversity than widespread congeners in the genus <i>Polygonella</i> (Polygonaceae)., 1995, 82, 141.		63
38	Allozyme Variation in the Rare Gulf Coast Endemic <i>Polygonella macrophylla</i> Small (Polygonaceae). <i>Plant Species Biology</i> , 1991, 6, 1-10.	0.6	10