

HÃ©lÃ¨ne Morlon

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

10,698
citations

117453

34
h-index

118652

62
g-index

78
all docs

78
docs citations

78
times ranked

14354
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and Accurate Estimation of Species-Specific Diversification Rates Using Data Augmentation. <i>Systematic Biology</i> , 2022, 71, 353-366.	2.7	42
2	Limited Evidence for Microbial Transmission in the Phylosymbiosis between Hawaiian Spiders and Their Microbiota. <i>MSystems</i> , 2022, 7, e0110421.	1.7	12
3	Studying speciation and extinction dynamics from phylogenies: addressing identifiability issues. <i>Trends in Ecology and Evolution</i> , 2022, 37, 497-506.	4.2	33
4	Analysing diversification dynamics using barcoding data: The case of an obligate mycorrhizal symbiont. <i>Molecular Ecology</i> , 2022, 31, 3496-3512.	2.0	6
5	Phylogenomic fingerprinting of tempo and functions of horizontal gene transfer within ochrophytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	37
6	Tempo and mode of morphological evolution are decoupled from latitude in birds. <i>PLoS Biology</i> , 2021, 19, e3001270.	2.6	7
7	Global drivers of eukaryotic plankton biogeography in the sunlit ocean. <i>Science</i> , 2021, 374, 594-599.	6.0	41
8	Characterizing and Comparing Phylogenetic Trait Data from Their Normalized Laplacian Spectrum. <i>Systematic Biology</i> , 2020, 69, 234-248.	2.7	3
9	An individual-based model for the eco-evolutionary emergence of bipartite interaction networks. <i>Ecology Letters</i> , 2020, 23, 1623-1634.	3.0	22
10	Diversity hotspots: Coldspots of speciation?. <i>Science</i> , 2020, 370, 1268-1269.	6.0	7
11	Response to technical comment "A cautionary note for users of linear diversification dependencies". <i>Ecology Letters</i> , 2020, 23, 1172-1174.	3.0	3
12	Model-Based Inference of Punctuated Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2020, 37, 3308-3323.	3.5	13
13	Cheating in arbuscular mycorrhizal mutualism: a network and phylogenetic analysis of mycoheterotrophy. <i>New Phytologist</i> , 2020, 226, 1822-1835.	3.5	30
14	A Penalized Likelihood Framework for High-Dimensional Phylogenetic Comparative Methods and an Application to New-World Monkeys Brain Evolution. <i>Systematic Biology</i> , 2019, 68, 93-116.	2.7	80
15	Characterizing symbiont inheritance during host microbiota evolution: Application to the great apes gut microbiota. <i>Molecular Ecology Resources</i> , 2019, 19, 1659-1671.	2.2	17
16	Assessing the causes of diversification slowdowns: temperature-dependent and diversity-dependent models receive equivalent support. <i>Ecology Letters</i> , 2019, 22, 1900-1912.	3.0	101
17	Understanding the effect of competition during evolutionary radiations: an integrated model of phenotypic and species diversification. <i>Ecology Letters</i> , 2019, 22, 2006-2017.	3.0	44
18	A model with many small shifts for estimating species-specific diversification rates. <i>Nature Ecology and Evolution</i> , 2019, 3, 1086-1092.	3.4	96

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19	Embracing heterogeneity: coalescing the Tree of Life and the future of phylogenomics. <i>PeerJ</i> , 2019, 7, e6399.	0.9	111
20	Detecting Environment-Dependent Diversification From Phylogenies: A Simulation Study and Some Empirical Illustrations. <i>Systematic Biology</i> , 2018, 67, 576-593.	2.7	25
21	Clade-specific diversification dynamics of marine diatoms since the Jurassic. <i>Nature Ecology and Evolution</i> , 2018, 2, 1715-1723.	3.4	40
22	Cracking the Code of Biodiversity Responses to Past Climate Change. <i>Trends in Ecology and Evolution</i> , 2018, 33, 765-776.	4.2	119
23	Contrasting impacts of competition on ecological and social trait evolution in songbirds. <i>PLoS Biology</i> , 2018, 16, e2003563.	2.6	40
24	A unifying comparative phylogenetic framework including traits coevolving across interacting lineages. <i>Systematic Biology</i> , 2017, 66, syw115.	2.7	40
25	Accelerated body size evolution during cold climatic periods in the Cenozoic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4183-4188.	3.3	73
26	Natural Constraints to Species Diversification. <i>PLoS Biology</i> , 2016, 14, e1002532.	2.6	19
27	<sc>RPANDA</sc>: an R package for macroevolutionary analyses on phylogenetic trees. <i>Methods in Ecology and Evolution</i> , 2016, 7, 589-597.	2.2	247
28	Uncovering Higher-Taxon Diversification Dynamics from Clade Age and Species-Richness Data. <i>Systematic Biology</i> , 2016, 66, syw088.	2.7	5
29	Into the Andes: multiple independent colonizations drive montane diversity in the Neotropical clearwing butterflies Godyridina. <i>Molecular Ecology</i> , 2016, 25, 5765-5784.	2.0	52
30	Characterizing and Comparing Phylogenies from their Laplacian Spectrum. <i>Systematic Biology</i> , 2016, 65, 495-507.	2.7	65
31	Understanding how biodiversity unfolds through time under neutral theory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150226.	1.8	23
32	Estimating the Effect of Competition on Trait Evolution Using Maximum Likelihood Inference. <i>Systematic Biology</i> , 2016, 65, 700-710.	2.7	81
33	Testing Convergence Versus History: Convergence Dominates Phenotypic Evolution for over 150 Million Years in Frogs. <i>Systematic Biology</i> , 2016, 65, 146-160.	2.7	102
34	Dispersal is a major driver of the latitudinal diversity gradient of <sc>C</sc>arnivora. <i>Global Ecology and Biogeography</i> , 2015, 24, 1059-1071.	2.7	46
35	REVIEW: Predictive ecology in a changing world. <i>Journal of Applied Ecology</i> , 2015, 52, 1293-1310.	1.9	237
36	Islands as model systems in ecology and evolution: prospects fifty years after MacArthurâ€Wilson. <i>Ecology Letters</i> , 2015, 18, 200-217.	3.0	356

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37	Phylogenies support out-of-equilibrium models of biodiversity. <i>Ecology Letters</i> , 2015, 18, 347-356.	3.0	45
38	Origin and diversification of living cycads: a cautionary tale on the impact of the branching process prior in Bayesian molecular dating. <i>BMC Evolutionary Biology</i> , 2015, 15, 65.	3.2	189
39	Presence in Mediterranean hotspots and floral symmetry affect speciation and extinction rates in Proteaceae. <i>New Phytologist</i> , 2015, 207, 401-410.	3.5	18
40	The reconstructed tree in the lineage-based model of protracted speciation. <i>Journal of Mathematical Biology</i> , 2015, 70, 367-397.	0.8	24
41	The Biogeography of Putative Microbial Antibiotic Production. <i>PLoS ONE</i> , 2015, 10, e0130659.	1.1	13
42	From Dinosaurs to Modern Bird Diversity: Extending the Time Scale of Adaptive Radiation. <i>PLoS Biology</i> , 2014, 12, e1001854.	2.6	23
43	Faster Speciation and Reduced Extinction in the Tropics Contribute to the Mammalian Latitudinal Diversity Gradient. <i>PLoS Biology</i> , 2014, 12, e1001775.	2.6	279
44	Settling down of seasonal migrants promotes bird diversification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140473.	1.2	68
45	Phylogenetic approaches for studying diversification. <i>Ecology Letters</i> , 2014, 17, 508-525.	3.0	339
46	Why does diversification slow down?. <i>Trends in Ecology and Evolution</i> , 2014, 29, 190-197.	4.2	246
47	ESTIMATING THE DURATION OF SPECIATION FROM PHYLOGENIES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2430-2440.	1.1	46
48	Effects of trophic similarity on community composition. <i>Ecology Letters</i> , 2014, 17, 1495-1506.	3.0	31
49	Macroevolutionary perspectives to environmental change. <i>Ecology Letters</i> , 2013, 16, 72-85.	3.0	222
50	New synthetic indicators to assess community resilience and restoration success. <i>Ecological Indicators</i> , 2013, 29, 468-477.	2.6	49
51	Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20121931.	1.2	178
52	Microbial Cooperative Warfare. <i>Science</i> , 2012, 337, 1184-1185.	6.0	10
53	EXPLOSIVE RADIATION OF A BACTERIAL SPECIES GROUP. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2577-2586.	1.1	35
54	Reconciling molecular phylogenies with the fossil record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16327-16332.	3.3	332

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55	Spatial patterns of phylogenetic diversity. <i>Ecology Letters</i> , 2011, 14, 141-149.	3.0	171
56	Inferring the Dynamics of Diversification: A Coalescent Approach. <i>PLoS Biology</i> , 2010, 8, e1000493.	2.6	188
57	Picante: R tools for integrating phylogenies and ecology. <i>Bioinformatics</i> , 2010, 26, 1463-1464.	1.8	4,517
58	Taking species abundance distributions beyond individuals. <i>Ecology Letters</i> , 2009, 12, 488-501.	3.0	80
59	A general framework for the distanceâ€‘decay of similarity in ecological communities. <i>Ecology Letters</i> , 2008, 11, 904-917.	3.0	312
60	Microbes on mountainsides: Contrasting elevational patterns of bacterial and plant diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11505-11511.	3.3	758
61	SELENITE TRANSPORT AND ITS INHIBITION IN THE UNICELLULAR GREEN ALGA CHLAMYDOMONAS REINHARDTII. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1408.	2.2	46
62	Toxicity of selenite in the unicellular green alga <i>Chlamydomonas reinhardtii</i> : Comparison between effects at the population and sub-cellular level. <i>Aquatic Toxicology</i> , 2005, 73, 65-78.	1.9	77