

Nicholas J Matzke

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

9,366
citations

230014

27
h-index

198040

52
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63
all docs

63
docs citations

63
times ranked

15326
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating dispersal and evolutionary dynamics in diploporan blastozoans (Echinodermata) across the great Ordovician biodiversification event. <i>Paleobiology</i> , 2021, 47, 198-220.	1.3	10
2	Flagellar export apparatus and ATP synthetase: Homology evidenced by synteny predating the Last Universal Common Ancestor. <i>BioEssays</i> , 2021, 43, e2100004.	1.2	5
3	Trait-dependent dispersal in rails (Aves: Rallidae): Historical biogeography of a cosmopolitan bird clade. <i>Molecular Phylogenetics and Evolution</i> , 2021, 159, 107106.	1.2	16
4	Novel Integrative Modeling of Molecules and Morphology across Evolutionary Timescales. <i>Systematic Biology</i> , 2021, 71, 208-220.	2.7	9
5	Pioneering polyploids: the impact of whole-genome duplication on biome shifting in New Zealand <i>Coprosma</i> (Rubiaceae) and <i>Veronica</i> (Plantaginaceae). <i>Biology Letters</i> , 2021, 17, 20210297.	1.0	3
6	ENMTools 1.0: an R package for comparative ecological biogeography. <i>Ecography</i> , 2021, 44, 504-511.	2.1	166
7	Statistical Comparison of Trait-Dependent Biogeographical Models Indicates That Podocarpaceae Dispersal Is Influenced by Both Seed Cone Traits and Geographical Distance. <i>Systematic Biology</i> , 2020, 69, 61-75.	2.7	89
8	Evaluating presence-only species distribution models with discrimination accuracy is uninformative for many applications. <i>Journal of Biogeography</i> , 2020, 47, 167-180.	1.4	67
9	Ancestral Sequence Reconstructions of MotB Are Proton-Motile and Require MotA for Motility. <i>Frontiers in Microbiology</i> , 2020, 11, 625837.	1.5	17
10	Trait-based range expansion aided in the global radiation of Crocodylidae. <i>Global Ecology and Biogeography</i> , 2019, 28, 1244-1258.	2.7	23
11	Habitat preference modulates trans-oceanic dispersal in a terrestrial vertebrate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182575.	1.2	21
12	Why is fruit colour so variable? Phylogenetic analyses reveal relationships between fruit colour evolution, biogeography and diversification. <i>Global Ecology and Biogeography</i> , 2019, 28, 891-903.	2.7	30
13	Sodium-powered stators of the bacterial flagellar motor can generate torque in the presence of phenamil with mutations near the peptidoglycan-binding region. <i>Molecular Microbiology</i> , 2019, 111, 1689-1699.	1.2	20
14	Dating the Species Network: Allopolyploidy and Repetitive DNA Evolution in American Daisies (<i>Melampodium</i> sect. <i>Melampodium</i> , Asteraceae). <i>Systematic Biology</i> , 2018, 67, 1010-1024.	2.7	54
15	Dispersal in the Ordovician: Speciation patterns and paleobiogeographic analyses of brachiopods and trilobites. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 489, 147-165.	1.0	38
16	Of teeth and trees: A fossil tip-dating approach to infer divergence times of extinct and extant squaliform sharks. <i>Zoologica Scripta</i> , 2018, 47, 539-557.	0.7	12
17	Taxon cycle predictions supported by model-based inference in Indo-Pacific trapjaw ants (Hymenoptera: Tj EJOq1 1 0.784314 rgl	2.0	28
18	Including autapomorphies is important for paleontological tip-dating with clocklike data, but not with non-clock data. <i>PeerJ</i> , 2018, 6, e4553.	0.9	30

#	ARTICLE	IF	CITATIONS
19	Biodiversity and Topographic Complexity: Modern and Geohistorical Perspectives. <i>Trends in Ecology and Evolution</i> , 2017, 32, 211-226.	4.2	175
20	Recent origin and rapid speciation of Neotropical orchids in the world's richest plant biodiversity hotspot. <i>New Phytologist</i> , 2017, 215, 891-905.	3.5	170
21	Model selection in statistical historical biogeography of Neotropical insectsâ€™The <i>Exophthalmus</i> genus complex (Curculionidae: Entiminae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 109, 226-239.	1.2	27
22	Bayesian estimation of the global biogeographical history of the Solanaceae. <i>Journal of Biogeography</i> , 2017, 44, 887-899.	1.4	206
23	Historical biogeography of <i>Florestina</i> (Asteraceae: Bahieae) of dry environments in Mexico: evaluating models and uncertainty in low-diversity clades. <i>Botanical Journal of the Linnean Society</i> , 2017, 185, 497-510.	0.8	3
24	Empirical and Bayesian approaches to fossil-only divergence times: A study across three reptile clades. <i>PLoS ONE</i> , 2017, 12, e0169885.	1.1	45
25	Topology, divergence dates, and macroevolutionary inferences vary between different tip-dating approaches applied to fossil theropods (Dinosauria). <i>Biology Letters</i> , 2016, 12, 20160237.	1.0	68
26	Evaluating the influence of connectivity and distance on biogeographical patterns in the southwestern deserts of North America. <i>Journal of Biogeography</i> , 2016, 43, 1514-1532.	1.4	85
27	Inferring node dates from tip dates in fossil Canidae: the importance of tree priors. <i>Biology Letters</i> , 2016, 12, 20160328.	1.0	99
28	Spatiotemporal Diversification of the True Frogs (Genus <i>Rana</i>): A Historical Framework for a Widely Studied Group of Model Organisms. <i>Systematic Biology</i> , 2016, 65, 824-842.	2.7	125
29	The evolution of antievolution policies after <i>Kitzmiller</i> versus <i>Dover</i> . <i>Science</i> , 2016, 351, 28-30.	6.0	24
30	INFERRING ANCESTOR-DESCENDANT RELATIONSHIPS IN THE FOSSIL RECORD (WITH STATISTICS)., 2016,, .		0
31	Remote sensing of intertidal habitats predicts West Indian topsnail population expansion but reveals scale-dependent bias. <i>Journal of Coastal Conservation</i> , 2015, 19, 107-118.	0.7	4
32	Bayesian analysis of a morphological supermatrix sheds light on controversial fossil hominin relationships. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150943.	1.2	107
33	Bayesian Analysis of Congruence of Core Genes in <i>Prochlorococcus</i> and <i>Synechococcus</i> and Implications on Horizontal Gene Transfer. <i>PLoS ONE</i> , 2014, 9, e85103.	1.1	12
34	Conservation paleobiology needs phylogenetic methods. <i>Ecography</i> , 2014, 37, 1109-1122.	2.1	16
35	Model Selection in Historical Biogeography Reveals that Founder-Event Speciation Is a Crucial Process in Island Clades. <i>Systematic Biology</i> , 2014, 63, 951-970.	2.7	987
36	Climate refugia: joint inference from fossil records, species distribution models and phylogeography. <i>New Phytologist</i> , 2014, 204, 37-54.	3.5	361

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37	The incidence and implications of clouds for cloud forest plant water relations. <i>Ecology Letters</i> , 2013, 16, 307-314.	3.0	157
38	Genome duplication and multiple evolutionary origins of complex migratory behavior in Salmonidae. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 514-523.	1.2	86
39	Bayesian Analysis of Biogeography when the Number of Areas is Large. <i>Systematic Biology</i> , 2013, 62, 789-804.	2.7	622
40	Treating Fossils as Terminal Taxa in Divergence Time Estimation Reveals Ancient Vicariance Patterns in the Palpimanoid Spiders. <i>Systematic Biology</i> , 2013, 62, 264-284.	2.7	175
41	Primary endosymbiosis events date to the later Proterozoic with cross-calibrated phylogenetic dating of duplicated ATPase proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12355-12360.	3.3	126
42	Evolution of patterns on <i>Conus</i> shells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E234-41.	3.3	20
43	Approaching a state shift in Earth's biosphere. <i>Nature</i> , 2012, 486, 52-58.	13.7	1,518
44	Has the Earth's sixth mass extinction already arrived?. <i>Nature</i> , 2011, 471, 51-57.	13.7	2,969
45	Whole mitochondrial genome sequencing of domestic horses reveals incorporation of extensive wild horse diversity during domestication. <i>BMC Evolutionary Biology</i> , 2011, 11, 328.	3.2	92
46	The Evolution of Creationist Movements. <i>Evolution: Education and Outreach</i> , 2010, 3, 145-162.	0.3	16
47	Lightning Talk: Biopython (bio) Geography Module. <i>Nature Precedings</i> , 2010, , .	0.1	0
48	Darwin, Dover, "Intelligent Design" and textbooks. <i>Biochemical Journal</i> , 2009, 417, 29-42.	1.7	12
49	Alleged scientific opposition to evolution. <i>Biochemist</i> , 2009, 31, 23.	0.2	0
50	Biological design in science classrooms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8669-8676.	3.3	32
51	The edge of creationism. <i>Trends in Ecology and Evolution</i> , 2007, 22, 566-567.	4.2	5
52	Immunology in the spotlight at the Dover 'Intelligent Design' trial. <i>Nature Immunology</i> , 2006, 7, 433-435.	7.0	13
53	From The Origin of Species to the origin of bacterial flagella. <i>Nature Reviews Microbiology</i> , 2006, 4, 784-790.	13.6	143
54	Sources of error in accuracy assessment of thematic land-cover maps in the Brazilian Amazon. <i>Remote Sensing of Environment</i> , 2004, 90, 221-234.	4.6	158