

Benoit Nabholz

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

7,576
citations

147566

31
h-index

223531

46
g-index

59
all docs

59
docs citations

59
times ranked

9396
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014, 346, 1320-1331.	6.0	1,583
2	Mitochondrial DNA as a marker of molecular diversity: a reappraisal. <i>Molecular Ecology</i> , 2009, 18, 4541-4550.	2.0	854
3	MitoFinder: Efficient automated large-scale extraction of mitogenomic data in target enrichment phylogenomics. <i>Molecular Ecology Resources</i> , 2020, 20, 892-905.	2.2	785
4	The genome of a songbird. <i>Nature</i> , 2010, 464, 757-762.	13.7	770
5	Comparative population genomics in animals uncovers the determinants of genetic diversity. <i>Nature</i> , 2014, 515, 261-263.	13.7	493
6	Strong Variations of Mitochondrial Mutation Rate across Mammals--the Longevity Hypothesis. <i>Molecular Biology and Evolution</i> , 2007, 25, 120-130.	3.5	394
7	Large Variation in the Ratio of Mitochondrial to Nuclear Mutation Rate across Animals: Implications for Genetic Diversity and the Use of Mitochondrial DNA as a Molecular Marker. <i>Molecular Biology and Evolution</i> , 2017, 34, 2762-2772.	3.5	240
8	The erratic mitochondrial clock: variations of mutation rate, not population size, affect mtDNA diversity across birds and mammals. <i>BMC Evolutionary Biology</i> , 2009, 9, 54.	3.2	212
9	Bio++: Efficient Extensible Libraries and Tools for Computational Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 1745-1750.	3.5	163
10	Reference-Free Population Genomics from Next-Generation Transcriptome Data and the Vertebrate--Invertebrate Gap. <i>PLoS Genetics</i> , 2013, 9, e1003457.	1.5	157
11	Molecular evolution of genes in avian genomes. <i>Genome Biology</i> , 2010, 11, R68.	13.9	125
12	A comprehensive phylogeny of <i>Neurospora</i> reveals a link between reproductive mode and molecular evolution in fungi. <i>Molecular Phylogenetics and Evolution</i> , 2011, 59, 649-663.	1.2	111
13	Determination of Mitochondrial Genetic Diversity in Mammals. <i>Genetics</i> , 2008, 178, 351-361.	1.2	107
14	Mitochondrial whims: metabolic rate, longevity and the rate of molecular evolution. <i>Biology Letters</i> , 2009, 5, 413-416.	1.0	90
15	Avian Genomes Revisited: Hidden Genes Uncovered and the Rates versus Traits Paradox in Birds. <i>Molecular Biology and Evolution</i> , 2017, 34, 3123-3131.	3.5	90
16	Dynamic Evolution of Base Composition: Causes and Consequences in Avian Phylogenomics. <i>Molecular Biology and Evolution</i> , 2011, 28, 2197-2210.	3.5	84
17	Transcriptome population genomics reveals severe bottleneck and domestication cost in the African rice (<i>Oryza glaberrima</i>). <i>Molecular Ecology</i> , 2014, 23, 2210-2227.	2.0	75
18	Life History Traits, Protein Evolution, and the Nearly Neutral Theory in Amniotes. <i>Molecular Biology and Evolution</i> , 2016, 33, 1517-1527.	3.5	75

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19	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015, 4, 4.	3.3	72
20	Body mass-corrected molecular rate for bird mitochondrial DNA. <i>Molecular Ecology</i> , 2016, 25, 4438-4449.	2.0	70
21	High Levels of Gene Expression Explain the Strong Evolutionary Constraint of Mitochondrial Protein-Coding Genes. <i>Molecular Biology and Evolution</i> , 2013, 30, 272-284.	3.5	67
22	Whole Genome Shotgun Phylogenomics Resolves the Pattern and Timing of Swallowtail Butterfly Evolution. <i>Systematic Biology</i> , 2020, 69, 38-60.	2.7	65
23	An Evolutionary Genome Scan for Longevity-Related Natural Selection in Mammals. <i>Molecular Biology and Evolution</i> , 2010, 27, 840-847.	3.5	62
24	Reconstructing the Phylogenetic History of Long-Term Effective Population Size and Life-History Traits Using Patterns of Amino Acid Replacement in Mitochondrial Genomes of Mammals and Birds. <i>Genome Biology and Evolution</i> , 2013, 5, 1273-1290.	1.1	62
25	Island songbirds as windows into evolution in small populations. <i>Current Biology</i> , 2021, 31, 1303-1310.e4.	1.8	56
26	Is adaptation limited by mutation? A timescale-dependent effect of genetic diversity on the adaptive substitution rate in animals. <i>PLoS Genetics</i> , 2020, 16, e1008668.	1.5	55
27	K_r / K_c but not d_N / d_S correlates positively with body mass in birds, raising implications for inferring lineage-specific selection. <i>Genome Biology</i> , 2014, 15, 542.	3.8	53
28	A large set of 26 new reference transcriptomes dedicated to comparative population genomics in crops and wild relatives. <i>Molecular Ecology Resources</i> , 2017, 17, 565-580.	2.2	53
29	Overestimation of the adaptive substitution rate in fluctuating populations. <i>Biology Letters</i> , 2018, 14, 20180055.	1.0	44
30	Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. <i>Nature Communications</i> , 2021, 12, 354.	5.8	43
31	The Bimodal Distribution of Genic GC Content Is Ancestral to Monocot Species. <i>Genome Biology and Evolution</i> , 2015, 7, 336-348.	1.1	42
32	Influence of Recombination and GC-biased Gene Conversion on the Adaptive and Nonadaptive Substitution Rate in Mammals versus Birds. <i>Molecular Biology and Evolution</i> , 2019, 36, 458-471.	3.5	41
33	Inverse relationship between longevity and evolutionary rate of mitochondrial proteins in mammals and birds. <i>Mitochondrion</i> , 2009, 9, 51-57.	1.6	36
34	Obtaining mtDNA genomes from next-generation transcriptome sequencing: A case study on the basal Passerida (Aves: Passeriformes) phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 466-470.	1.2	36
35	Evolutionary forces affecting synonymous variations in plant genomes. <i>PLoS Genetics</i> , 2017, 13, e1006799.	1.5	36
36	Mitochondrial phylogenomics, the origin of swallowtail butterflies, and the impact of the number of clocks in Bayesian molecular dating. <i>Systematic Entomology</i> , 2018, 43, 460-480.	1.7	34

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37	Population genomics of the endangered giant Galápagos tortoise. <i>Genome Biology</i> , 2013, 14, R136.	13.9	32
38	Illumina Library Preparation for Sequencing the GC-Rich Fraction of Heterogeneous Genomic DNA. <i>Genome Biology and Evolution</i> , 2018, 10, 616-622.	1.1	32
39	Significant Selective Constraint at 4-Fold Degenerate Sites in the Avian Genome and Its Consequence for Detection of Positive Selection. <i>Genome Biology and Evolution</i> , 2011, 3, 1381-1389.	1.1	31
40	Hemizyosity Enhances Purifying Selection: Lack of Fast-Z Evolution in Two Satyrine Butterflies. <i>Genome Biology and Evolution</i> , 2016, 8, 3108-3119.	1.1	31
41	Genome-wide analysis in chicken reveals that local levels of genetic diversity are mainly governed by the rate of recombination. <i>BMC Genomics</i> , 2013, 14, 86.	1.2	30
42	Within-island diversification in a passerine bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192999.	1.2	16
43	High-quality carnivoran genomes from roadkill samples enable comparative species delineation in aardwolf and bat-eared fox. <i>ELife</i> , 2021, 10, .	2.8	15
44	A bird's white-eye view on avian sex chromosome evolution. , 0, 1, .		13
45	Gene expression, chromosome heterogeneity and the fast-X effect in mammals. <i>Biology Letters</i> , 2015, 11, 20150010.	1.0	12
46	Evolutionary Constraint in Flanking Regions of Avian Genes. <i>Molecular Biology and Evolution</i> , 2011, 28, 2481-2489.	3.5	5
47	Response to Kratochvíl and Rovatsos. <i>Current Biology</i> , 2022, 32, R30-R31.	1.8	2
48	Title is missing!. , 2020, 16, e1008668.		0
49	Title is missing!. , 2020, 16, e1008668.		0
50	Title is missing!. , 2020, 16, e1008668.		0
51	Title is missing!. , 2020, 16, e1008668.		0
52	Title is missing!. , 2020, 16, e1008668.		0