DorothÃ©e Huchon

List of Publications by Year
in descending order

62 papers	3,456 citations	159585 30 h-index	144013 57 g-index
63 all docs	63 docs citations	63 times ranked	4165 citing authors

#	Article	IF	Citations
1	Rodent Phylogeny and a Timescale for the Evolution of Glires: Evidence from an Extensive Taxon Sampling Using Three Nuclear Genes. Molecular Biology and Evolution, 2002, 19, 1053-1065.	8.9	305
2	Rodent phylogeny revised: analysis of six nuclear genes from all major rodent clades. BMC Evolutionary Biology, 2009, 9, 71.	3.2	242
3	From the Old World to the New World: A Molecular Chronicle of the Phylogeny and Biogeography of Hystricognath Rodents. Molecular Phylogenetics and Evolution, 2001, 20, 238-251.	2.7	196
4	Arrival and Diversification of Caviomorph Rodents and Platyrrhine Primates in South America. Systematic Biology, 2006, 55, 228-244.	5.6	194
5	Genomic insights into the evolutionary origin of Myxozoa within Cnidaria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14912-14917.	7.1	193
6	Multiple molecular evidences for a living mammalian fossil. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7495-7499.	7.1	141
7	Combining Multiple Data Sets in a Likelihood Analysis: Which Models are the Best?. Molecular Biology and Evolution, 2002, 19, 2294-2307.	8.9	136
8	An updated 18S rRNA phylogeny of tunicates based on mixture and secondary structure models. BMC Evolutionary Biology, 2009, 9, 187.	3.2	133
9	Rodent Evolution: Back to the Root. Molecular Biology and Evolution, 2010, 27, 1315-1326.	8.9	131
10	GLOOME: gain loss mapping engine. Bioinformatics, 2010, 26, 2914-2915.	4.1	122
11	Variance of molecular datings, evolution of rodents and the phylogenetic affinities between Ctenodactylidae and Hystricognathi. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 393-402.	2.6	117
12	16S rRNA Phylogeny of Sponge-Associated Cyanobacteria. Applied and Environmental Microbiology, 2005, 71, 4127-4131.	3.1	102
13	Putative cross-kingdom horizontal gene transfer in sponge (Porifera) mitochondria. BMC Evolutionary Biology, 2006, 6, 71.	3.2	101
14	Molecular evolution of the nuclear von Willebrand factor gene in mammals and the phylogeny of rodents. Molecular Biology and Evolution, 1999, 16, 577-589.	8.9	95
15	Local Molecular Clocks in Three Nuclear Genes: Divergence Times for Rodents and Other Mammals and Incompatibility Among Fossil Calibrations. Journal of Molecular Evolution, 2003, 57, S201-S213.	1.8	92
16	A new Î±â€proteobacterial clade of Bdellovibrioâ€like predators: implications for the mitochondrial endosymbiotic theory. Environmental Microbiology, 2006, 8, 2179-2188.	3.8	81
17	Sustained high levels of neuregulinâ€1 in the longestâ€lived rodents; a key determinant of rodent longevity. Aging Cell, 2012, 11, 213-222.	6.7	72
18	A cnidarian parasite of salmon (Myxozoa: Henneguya) lacks a mitochondrial genome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5358-5363.	7.1	63

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19	Deep Sequencing of Mixed Total DNA without Barcodes Allows Efficient Assembly of Highly Plastic Ascidian Mitochondrial Genomes. Genome Biology and Evolution, 2013, 5, 1185-1199.	2.5	56
20	Tunicate mitogenomics and phylogenetics: peculiarities of the Herdmania momus mitochondrial genome and support for the new chordate phylogeny. BMC Genomics, 2009, 10, 534.	2.8	54
21	Bird Mitochondrial Gene Order: Insight from 3 Warbler Mitochondrial Genomes. Molecular Biology and Evolution, 2008, 25, 475-477.	8.9	53
22	Ancient DNA and Population Turnover in Southern Levantine Pigs- Signature of the Sea Peoples Migration?. Scientific Reports, 2013, 3, 3035.	3.3	51
23	Shedding light on an East-Mediterranean mesophotic sponge ground community and the regional sponge fauna. Mediterranean Marine Science, 2018, 19, 84.	1.6	50
24	Rabbits, if anything, are likely Glires. Molecular Phylogenetics and Evolution, 2004, 33, 922-935.	2.7	45
25	Diversity and evolution of myxozoan minicollagens and nematogalectins. BMC Evolutionary Biology, 2014, 14, 205.	3.2	43
26	Armadillos exhibit less genetic polymorphism in North America than in South America: nuclear and mitochondrial data confirm a founder effect in Dasypus novemcinctus (Xenarthra). Molecular Ecology, 1999, 8, 1743-1748.	3.9	40
27	Large-Scale Parsimony Analysis of Metazoan Indels in Protein-Coding Genes. Molecular Biology and Evolution, 2010, 27, 441-451.	8.9	34
28	Phylogeny of coral-inhabiting barnacles (Cirripedia; Thoracica; Pyrgomatidae) based on 12S, 16S and 18S rDNA analysis. Molecular Phylogenetics and Evolution, 2007, 44, 1333-1341.	2.7	33
29	Diversity of sponge mitochondrial introns revealed by cox 1sequences of Tetillidae. BMC Evolutionary Biology, 2010, 10, 288.	3.2	33
30	The distribution and molecular diversity of the Eastern Atlantic and Mediterranean chthamalids (Crustacea, Cirripedia). Zoologica Scripta, 2009, 38, 365-378.	1.7	30
31	Phylogeny of Tetillidae (Porifera, Demospongiae, Spirophorida) based on three molecular markers. Molecular Phylogenetics and Evolution, 2013, 67, 509-519.	2.7	29
32	Dasyatispora levantinae gen. et sp. nov., a new microsporidian parasite from the common stingray Dasyatis pastinaca in the eastern Mediterranean. Diseases of Aquatic Organisms, 2010, 91, 137-150.	1.0	28
33	Eastern Mediterranean Mobility in the Bronze and Early Iron Ages: Inferences from Ancient DNA of Pigs and Cattle. Scientific Reports, 2017, 7, 701.	3.3	27
34	Indel Reliability in Indel-Based Phylogenetic Inference. Genome Biology and Evolution, 2014, 6, 3199-3209.	2.5	26
35	ALG11 â€“ A new variable DNA marker for sponge phylogeny: Comparison of phylogenetic performances with the 18S rDNA and the COI gene. Molecular Phylogenetics and Evolution, 2012, 63, 702-713.	2.7	25
36	Automated Scanning for Phylogenetically Informative Transposed Elements in Rodents. Systematic Biology, 2006, 55, 936-948.	5.6	24

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37	The Multipartite Mitochondrial Genome of Enteromyxum leei (Myxozoa): Eight Fast-Evolving Megacircles. Molecular Biology and Evolution, 2017, 34, 1551-1556.	8.9	22
38	The complete mitochondrial genome of the demosponge Negombata magnifica (Poecilosclerida). Molecular Phylogenetics and Evolution, 2008, 47, 1238-1243.	2.7	21
39	Back to solitude: Solving the phylogenetic position of the Diazonidae using molecular and developmental characters. Molecular Phylogenetics and Evolution, 2016, 100, 51-56.	2.7	21
40	Molecular diversity of benthic ctenophores (Coeloplanidae). Scientific Reports, 2017, 7, 6365.	3.3	21
41	Mitochondrial group I and group II introns in the sponge orders Agelasida and Axinellida. BMC Evolutionary Biology, 2015, 15, 278.	3.2	19
42	Biology of a new xenoma-forming gonadotropic microsporidium in the invasive blotchfin dragonet Callionymus filamentosus. Diseases of Aquatic Organisms, 2014, 109, 35-54.	1.0	15
43	Extensive mitochondrial gene rearrangements in Ctenophora: insights from benthic Platyctenida. BMC Evolutionary Biology, 2018, 18, 65.	3.2	15
44	And Then There Were Threeâ€¦: Extreme Regeneration Ability of the Solitary Chordate Polycarpa mytiligera. Frontiers in Cell and Developmental Biology, 2021, 9, 652466.	3.7	15
45	The invasive ascidian Ciona robusta recorded from a Red Sea marina. Marine Biodiversity, 2018, 48, 2211-2214.	1.0	13
46	An elongated COI fragment to discriminate botryllid species and as an improved ascidian DNA barcode. Scientific Reports, 2021, 11, 4078.	3.3	13
47	Myxosporea (Myxozoa, Cnidaria) Lack DNA Cytosine Methylation. Molecular Biology and Evolution, 2021, 38, 393-404.	8.9	12
48	Genetic diversity and phylogeography of the greater mouse-tailed bat Rhinopoma microphyllum (BrÃ¼nnich, 1782) in the Levant. Acta Chiropterologica, 2008, 10, 207-212.	0.6	10
49	Illuminating Genetic Mysteries of the Dead Sea Scrolls. Cell, 2020, 181, 1218-1231.e27.	28.9	10
50	The complete mitochondrial genome of the gilthead seabreamSparus aurataL. (Sparidae). Mitochondrial DNA, 2016, 27, 781-782.	0.6	9
51	A genome wide survey reveals multiple nematocyst-specific genes in Myxozoa. BMC Evolutionary Biology, 2018, 18, 138.	3.2	8
52	A new mitochondrial gene order in the banded cusk-eel Raneya brasiliensis (Actinopterygii,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	8
53	Mitochondrial and morphological variation of Tilapia zillii in Israel. BMC Research Notes, 2012, 5, 172.	1.4	6
54	The complete mitochondrial genome of the devil firefishPterois miles(Bennett, 1828) (Scorpaenidae). Mitochondrial DNA, 2016, 27, 783-784.	0.6	6

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55	Molecular relationships of the Israeli shrews (Eulipotyphla: Soricidae) based on cytochrome b sequences. Mammalia, 2021, 85, 79-89.	0.7	5
56	Origin of Passerine Migratory Waves: Evidence from the Blackcap at a Stopover Site. Israel Journal of Ecology and Evolution, 2010, 56, 135-151.	0.6	2
57	First evidence of miniature transposable elements in sponges (Porifera). Hydrobiologia, 2012, 687, 43-47.	2.0	2
58	Two novel myxosporean parasite species of Ceratomyxa ThÃ©lohan, 1892 from the banded cusk-eel Raneya brasiliensis (Kaup) (Ophidiiformes: Ophidiidae) off Patagonia, Argentina. Parasitology International, 2021, 85, 102433.	1.3	2
59	Myxozoan infection in thinlip mullet Chelon ramada (Mugiliformes: Mugilidae) in the Sea of Galilee. Scientific Reports, 2022, 12, .	3.3	2
60	Ã‰lÃ©ments mobiles SINE en phylogÃ©nie. Medecine/Sciences, 2002, 18, 1276-1281.	0.2	1
61	The First Mitochondrial Genomics and Evolution SMBE-Satellite Meeting: A New Scientific Symbiosis. Genome Biology and Evolution, 2017, 9, 3054-3058.	2.5	0
62	The pericardium of Oikopleura dioica (Tunicata, Appendicularia) contains two distinct cell types and is rotated by 90 degrees to the left. Zoomorphology, 2021, 140, 527.	0.8	0