

Emmanuel J P Douzery

List of Publications by Year in descending order

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31976

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102
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102
docs citations

102
times ranked

13315
citing authors

#	ARTICLE	IF	CITATIONS
1	The timing of eukaryotic evolution: Does a relaxed molecular clock reconcile proteins and fossils? Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15386-15391.	7.1	566
2	MACSE: Multiple Alignment of Coding SEquences Accounting for Frameshifts and Stop Codons. PLoS ONE, 2011, 6, e22594.	2.5	546
3	Comparison of Bayesian and Maximum Likelihood Bootstrap Measures of Phylogenetic Reliability. Molecular Biology and Evolution, 2003, 20, 248-254.	8.9	460
4	A glimpse on the pattern of rodent diversification: a phylogenetic approach. BMC Evolutionary Biology, 2012, 12, 88.	3.2	390
5	MACSE v2: Toolkit for the Alignment of Coding Sequences Accounting for Frameshifts and Stop Codons. Molecular Biology and Evolution, 2018, 35, 2582-2584.	8.9	330
6	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
7	Phylogenetic relationships of artiodactyls and cetaceans as deduced from the comparison of cytochrome b and 12S rRNA mitochondrial sequences. Molecular Biology and Evolution, 1997, 14, 550-559.	8.9	245
8	Molecular and Morphological Phylogenies of Ruminantia and the Alternative Position of the Moschidae. Systematic Biology, 2003, 52, 206-228.	5.6	224
9	Molecular Phylogeny of Living Xenarthrans and the Impact of Character and Taxon Sampling on the Placental Tree Rooting. Molecular Biology and Evolution, 2002, 19, 1656-1671.	8.9	214
10	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
11	Contrasting GC-content dynamics across 33 mammalian genomes: Relationship with life-history traits and chromosome sizes. Genome Research, 2010, 20, 1001-1009.	5.5	195
12	Arrival and Diversification of Caviomorph Rodents and Platyrrhine Primates in South America. Systematic Biology, 2006, 55, 228-244.	5.6	194
13	Patterns of macroevolution among Primates inferred from a supermatrix of mitochondrial and nuclear DNA. Molecular Phylogenetics and Evolution, 2009, 53, 808-825.	2.7	194
14	The Tribal Radiation of the Family Bovidae (Artiodactyla) and the Evolution of the Mitochondrial Cytochrome b Gene. Molecular Phylogenetics and Evolution, 1999, 13, 227-243.	2.7	192
15	Molecular phylogenetics of Disease (Orchidaceae): a contribution from nuclear ribosomal ITS sequences. American Journal of Botany, 1999, 86, 887-899.	1.7	190
16	Influence of Tertiary paleoenvironmental changes on the diversification of South American mammals: a relaxed molecular clock study within xenarthrans. BMC Evolutionary Biology, 2004, 4, 11.	3.2	174
17	The mitochondrial control region of Cervidae: evolutionary patterns and phylogenetic content. Molecular Biology and Evolution, 1997, 14, 1154-1166.	8.9	171
18	Less Is More in Mammalian Phylogenomics: AT-Rich Genes Minimize Tree Conflicts and Unravel the Root of Placental Mammals. Molecular Biology and Evolution, 2013, 30, 2134-2144.	8.9	158

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19	Evidence for genetic exchange and hybridization in <i>Trypanosoma cruzi</i> based on nucleotide sequences and molecular karyotype. <i>Infection, Genetics and Evolution</i> , 2003, 2, 173-183.	2.3	138
20	The evolution of armadillos, anteaters and sloths depicted by nuclear and mitochondrial phylogenies: implications for the status of the enigmatic fossil <i>Eurotamandua</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1605-1615.	2.6	137
21	Ecomorphological diversification among South American spiny rats (Rodentia; Echimyidae): a phylogenetic and chronological approach. <i>Molecular Phylogenetics and Evolution</i> , 2005, 34, 601-615.	2.7	133
22	An updated 18S rRNA phylogeny of tunicates based on mixture and secondary structure models. <i>BMC Evolutionary Biology</i> , 2009, 9, 187.	3.2	133
23	A phylogenomic framework and timescale for comparative studies of tunicates. <i>BMC Biology</i> , 2018, 16, 39.	3.8	133
24	Molecular phylogenetic reconstructions identify East Asia as the cradle for the evolution of the cosmopolitan genus <i>Myotis</i> (Mammalia, Chiroptera). <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 437-449.	2.7	128
25	A New Malaria Agent in African Hominids. <i>PLoS Pathogens</i> , 2009, 5, e1000446.	4.7	127
26	Protected and Threatened Components of Fish Biodiversity in the Mediterranean Sea. <i>Current Biology</i> , 2011, 21, 1044-1050.	3.9	125
27	Variance of molecular datings, evolution of rodents and the phylogenetic affinities between Ctenodactylidae and Hystricognathi. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 393-402.	2.6	117
28	A mitochondrial DNA control region phylogeny of the Cervinae: speciation in <i>Cervus</i> and implications for conservation. <i>Animal Conservation</i> , 2001, 4, 1-11.	2.9	113
29	The evolutionary radiation of Arvicolinae rodents (voles and lemmings): relative contribution of nuclear and mitochondrial DNA phylogenies. <i>BMC Evolutionary Biology</i> , 2006, 6, 80.	3.2	100
30	Molecular evolution of the nuclear von Willebrand factor gene in mammals and the phylogeny of rodents. <i>Molecular Biology and Evolution</i> , 1999, 16, 577-589.	8.9	95
31	Primate phylogeny, evolutionary rate variations, and divergence times: A contribution from the nuclear gene IRBP. <i>American Journal of Physical Anthropology</i> , 2004, 124, 01-16.	2.1	93
32	Local Molecular Clocks in Three Nuclear Genes: Divergence Times for Rodents and Other Mammals and Incompatibility Among Fossil Calibrations. <i>Journal of Molecular Evolution</i> , 2003, 57, S201-S213.	1.8	92
33	Acetylcholinesterase genes within the Diptera: takeover and loss in true flies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2595-2604.	2.6	92
34	Molecular phylogenetics unveils the ancient evolutionary origins of the enigmatic fairy armadillos. <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 673-680.	2.7	90
35	ANISEED 2017: extending the integrated ascidian database to the exploration and evolutionary comparison of genome-scale datasets. <i>Nucleic Acids Research</i> , 2018, 46, D718-D725.	14.5	90
36	Molecular Phylogeny of Families Related to Celastrales Based on rbcL 5â€² Flanking Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1994, 3, 27-37.	2.7	89

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37	Rodents of the Caribbean: origin and diversification of hutias unravelled by next-generation museomics. <i>Biology Letters</i> , 2014, 10, 20140266.	2.3	87
38	Retroposed Elements and Their Flanking Regions Resolve the Evolutionary History of Xenarthran Mammals (Armadillos, Anteaters, and Sloths). <i>Molecular Biology and Evolution</i> , 2007, 24, 2573-2582.	8.9	82
39	Genetic variability in MCF-7 sublines: evidence of rapid genomic and RNA expression profile modifications. <i>BMC Cancer</i> , 2003, 3, 13.	2.6	77
40	Molecular estimation of eulipotyphlan divergence times and the evolution of "Insectivora". <i>Molecular Phylogenetics and Evolution</i> , 2003, 28, 285-296.	2.7	77
41	OrthoMaM v8: A Database of Orthologous Exons and Coding Sequences for Comparative Genomics in Mammals. <i>Molecular Biology and Evolution</i> , 2014, 31, 1923-1928.	8.9	77
42	Molecular systematics of armadillos (Xenarthra, Dasypodidae): contribution of maximum likelihood and Bayesian analyses of mitochondrial and nuclear genes. <i>Molecular Phylogenetics and Evolution</i> , 2003, 28, 261-275.	2.7	76
43	Multigenic phylogeny and analysis of tree incongruences in Triticeae (Poaceae). <i>BMC Evolutionary Biology</i> , 2011, 11, 181.	3.2	72
44	SDM: A Fast Distance-Based Approach for (Super)Tree Building in Phylogenomics. <i>Systematic Biology</i> , 2006, 55, 740-755.	5.6	69
45	Evolutionary affinities of the enigmatic saola (<i>Pseudoryx nghetinhensis</i>) in the context of the molecular phylogeny of Bovidae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 893-900.	2.6	68
46	ANISEED 2015: a digital framework for the comparative developmental biology of ascidians. <i>Nucleic Acids Research</i> , 2016, 44, D808-D818.	14.5	68
47	Genetic clustering of <i>Trypanosoma cruzi</i> lineage evidenced by intergenic minixon gene sequencing. <i>Infection, Genetics and Evolution</i> , 2007, 7, 587-593.	2.3	64
48	OrthoMaM v10: Scaling-Up Orthologous Coding Sequence and Exon Alignments with More than One Hundred Mammalian Genomes. <i>Molecular Biology and Evolution</i> , 2019, 36, 861-862.	8.9	64
49	New DNA data from a transthyretin nuclear intron suggest an Oligocene to Miocene diversification of living South America opossums (Marsupialia: Didelphidae). <i>Molecular Phylogenetics and Evolution</i> , 2005, 35, 363-379.	2.7	61
50	Evolution under domestication: contrasting functional morphology of seedlings in domesticated cassava and its closest wild relatives. <i>New Phytologist</i> , 2005, 166, 305-318.	7.3	60
51	Diversification of South American spiny rats (Echimyidae): a multigene phylogenetic approach. <i>Zoologica Scripta</i> , 2013, 42, 117-134.	1.7	59
52	Phylogeography and the origin of cassava: New insights from the northern rim of the Amazonian basin. <i>Molecular Phylogenetics and Evolution</i> , 2009, 53, 329-334.	2.7	58
53	Representing taxonomic, phylogenetic and functional diversity: new challenges for Mediterranean marine protected areas. <i>Diversity and Distributions</i> , 2015, 21, 175-187.	4.1	57
54	Interordinal Mammalian Relationships: Evidence for Paenungulate Monophyly Is Provided by Complete Mitochondrial 12S rRNA Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1996, 6, 245-258.	2.7	56

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55	Efficient Selection of Branch-Specific Models of Sequence Evolution. <i>Molecular Biology and Evolution</i> , 2012, 29, 1861-1874.	8.9	56
56	Genomic Evidence for Large, Long-Lived Ancestors to Placental Mammals. <i>Molecular Biology and Evolution</i> , 2013, 30, 5-13.	8.9	56
57	Deep Sequencing of Mixed Total DNA without Barcodes Allows Efficient Assembly of Highly Plastic Ascidian Mitochondrial Genomes. <i>Genome Biology and Evolution</i> , 2013, 5, 1185-1199.	2.5	56
58	Next-generation sequencing and phylogenetic signal of complete mitochondrial genomes for resolving the evolutionary history of leaf-nosed bats (Phyllostomidae). <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 728-739.	2.7	55
59	Molecular evolution of the mitochondrial 12S rRNA in Ungulata (mammalia). <i>Journal of Molecular Evolution</i> , 1995, 41, 622-36.	1.8	54
60	Title is missing!. <i>Journal of Mammalian Evolution</i> , 2002, 9, 225-252.	1.8	53
61	rbcL Phylogeny of the Fern Genus <i>Trichomanes</i> (Hymenophyllaceae), with Special Reference to Neotropical Taxa. <i>International Journal of Plant Sciences</i> , 2003, 164, 753-761.	1.3	52
62	S<scp>uper</scp>T<scp>riplets</scp>: a triplet-based supertree approach to phylogenomics. <i>Bioinformatics</i> , 2010, 26, i115-i123.	4.1	51
63	A Phylogenetic Perspective on the Evolution of Mediterranean Teleost Fishes. <i>PLoS ONE</i> , 2012, 7, e36443.	2.5	50
64	PhySIC: A Veto Supertree Method with Desirable Properties. <i>Systematic Biology</i> , 2007, 56, 798-817.	5.6	49
65	Fast and Robust Characterization of Time-Heterogeneous Sequence Evolutionary Processes Using Substitution Mapping. <i>PLoS ONE</i> , 2012, 7, e33852.	2.5	47
66	Rabbits, if anything, are likely Glires. <i>Molecular Phylogenetics and Evolution</i> , 2004, 33, 922-935.	2.7	45
67	Molecular Systematics of Hystricognath Rodents: The Contribution of Sciurognath Mitochondrial 12S rRNA Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1995, 4, 357-360.	2.7	44
68	PhySIC_IST: cleaning source trees to infer more informative supertrees. <i>BMC Bioinformatics</i> , 2008, 9, 413.	2.6	42
69	Conserved Features and Evolutionary Shifts of the EDA Signaling Pathway Involved in Vertebrate Skin Appendage Development. <i>Molecular Biology and Evolution</i> , 2008, 25, 912-928.	8.9	42
70	Taxonomy, molecular phylogeny and evolution of plant reverse transcribing viruses (family) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 To <i>Virology</i> , 2008, 153, 1085-1102.	2.1	41
71	Armadillos exhibit less genetic polymorphism in North America than in South America: nuclear and mitochondrial data confirm a founder effect in <i>Dasybus novemcinctus</i> (Xenarthra). <i>Molecular Ecology</i> , 1999, 8, 1743-1748.	3.9	40
72	Accelerated Evolutionary Rate of Housekeeping Genes in Tunicates. <i>Journal of Molecular Evolution</i> , 2010, 71, 153-167.	1.8	40

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73	Mitogenomic phylogeny, diversification, and biogeography of South American spiny rats. <i>Molecular Biology and Evolution</i> , 2017, 34, msw261.	8.9	40
74	Ascidian Mitogenomics: Comparison of Evolutionary Rates in Closely Related Taxa Provides Evidence of Ongoing Speciation Events. <i>Genome Biology and Evolution</i> , 2014, 6, 591-605.	2.5	39
75	Differentiation in a geographical mosaic of plants coevolving with ants: phylogeny of the <i>Leonardoxa africana</i> complex (Fabaceae: Caesalpinioideae) using amplified fragment length polymorphism markers. <i>Molecular Ecology</i> , 2004, 13, 1157-1171.	3.9	36
76	Convergent Acquisition of Nonembryonic Development in Styelid Ascidians. <i>Molecular Biology and Evolution</i> , 2018, 35, 1728-1743.	8.9	35
77	<i>Salmo macrostigma</i> (Teleostei, Salmonidae): Nothing more than a brown trout (<sc><i>S.</i> Tj ETQq1 1 0.784314 rgBJ /Overlo	1.6	34
78	A cost-effective straightforward protocol for shotgun Illumina libraries designed to assemble complete mitogenomes from non-model species. <i>Conservation Genetics Resources</i> , 2015, 7, 37-40.	0.8	32
79	Digging for the spiny rat and hutia phylogeny using a gene capture approach, with the description of a new mammal subfamily. <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 241-253.	2.7	32
80	Developing nuclear DNA phylogenetic markers in the angiosperm genus <i>Leucadendron</i> (Proteaceae): A next-generation sequencing transcriptomic approach. <i>Molecular Phylogenetics and Evolution</i> , 2014, 70, 37-46.	2.7	31
81	ANISEED 2019: 4D exploration of genetic data for an extended range of tunicates. <i>Nucleic Acids Research</i> , 2020, 48, D668-D675.	14.5	30
82	CONVERGENT AND CORRELATED EVOLUTION OF MAJOR LIFE-HISTORY TRAITS IN THE ANGIOSPERM GENUS <i>LEUCADENDRON</i> (PROTEACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2775-2792.	2.3	25
83	Projected impacts of climate warming on the functional and phylogenetic components of coastal Mediterranean fish biodiversity. <i>Ecography</i> , 2015, 38, 681-689.	4.5	25
84	Thrice better than once: quality control guidelines to validate new mitogenomes. <i>Mitochondrial DNA</i> , 2016, 27, 449-454.	0.6	24
85	Fast and accurate branch lengths estimation for phylogenomic trees. <i>BMC Bioinformatics</i> , 2016, 17, 23.	2.6	23
86	7. Ancient Fossil Record and Early Evolution (ca. 3.8 to 0.5 Ga). <i>Earth, Moon and Planets</i> , 2006, 98, 247-290.	0.6	22
87	In Cold Blood: Compositional Bias and Positive Selection Drive the High Evolutionary Rate of Vampire Bats Mitochondrial Genomes. <i>Genome Biology and Evolution</i> , 2018, 10, 2218-2239.	2.5	22
88	<i>Trypanosoma cruzi</i> : New insights on ecophylogeny and hybridization by multigene sequencing of three nuclear and one maxicircle genes. <i>Experimental Parasitology</i> , 2009, 122, 328-337.	1.2	20
89	Environment drives high phylogenetic turnover among oceanic bacterial communities. <i>Biology Letters</i> , 2012, 8, 562-566.	2.3	19
90	What is a Suiforme (Artiodactyla)? <i>Molecular Phylogenetics and Evolution</i> , 1998, 9, 528-532.	2.7	17

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91	Astrocladistics: A Phylogenetic Analysis of Galaxy Evolution I. Character Evolutions and Galaxy Histories. <i>Journal of Classification</i> , 2006, 23, 31-56.	2.2	17
92	Is the Newly Described Vietnamese Bovid <i>Pseudonovibos spiralis</i> a Chamois (Genus <i>Rupicapra</i>)?. <i>Die Naturwissenschaften</i> , 2000, 87, 122-124.	1.6	15
93	Jumping and gliding rodents: Mitogenomic affinities of Pedetidae and Anomaluridae deduced from an RNA-Seq approach. <i>Gene</i> , 2013, 531, 388-397.	2.2	14
94	Identification of autophagy genes in <i>Ciona intestinalis</i> : A new experimental model to study autophagy mechanism. <i>Autophagy</i> , 2009, 5, 805-815.	9.1	12
95	Flightless scaly-tailed squirrels never learned how to fly: A reappraisal of Anomaluridae phylogeny. <i>Zoologica Scripta</i> , 2018, 47, 404-417.	1.7	12
96	Testing the generation time hypothesis using DNA/DNA hybridization between artiodactyls. <i>Journal of Evolutionary Biology</i> , 1995, 8, 511-529.	1.7	11
97	Life-History Traits Evolved Jointly with Climatic Niche and Disturbance Regime in the Genus <i>Leucadendron</i> (Proteaceae). <i>American Naturalist</i> , 2018, 191, 220-234.	2.1	11
98	Molecular evidence for hybridisation between the two living species of South American ratites: potential conservation implications. <i>Conservation Genetics</i> , 2007, 8, 503-507.	1.5	6
99	2. Dating Methods and Corresponding Chronometers in Astrobiology. <i>Earth, Moon and Planets</i> , 2006, 98, 11-38.	0.6	0