# Thomas Couvreur

List of Publications by Year
in descending order



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|---|---|---|---|
| 122 papers | 7,841 citations | 41344 49 h-index | 62596 80 g-index |
| 136 all docs | 136 docs citations | 136 times ranked | 8251 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phylogenomic relationships and historical biogeography in the South American vegetable ivory palms (Phytelepheae). Molecular Phylogenetics and Evolution, 2022, 166, 107314. | 2.7 | 3 |
| 2 | Pulled Diversification Rates, Lineages-Through-Time Plots, and Modern Macroevolutionary Modeling. Systematic Biology, 2022, 71, 758-773. | 5.6 | 30 |
| 3 | ï»¿Rediscovery of Gasteranthus extinctus L.E.Skog & L.P.Kvist (Gesneriaceae) at multiple sites in western Ecuador. PhytoKeys, 2022, 194, 33-46. | 1.0 | 4 |
| 4 | Impact of endâ€ofâ€century climate change on priority nonâ€timber forest product species across tropical Africa. African Journal of Ecology, 2022, 60, 1120-1132. | 0.9 | 4 |
| 5 | High genetic diversity with low connectivity among Mauritia flexuosa (Arecaceae) stands from Ecuadorean Amazonia. Biotropica, 2021, 53, 152-161. | 1.6 | 2 |
| 6 | Tectonics, climate and the diversification of the tropical African terrestrial flora and fauna. Biological Reviews, 2021, 96, 16-51. | 10.4 | 123 |
| 7 | Three new species of Uvariodendron (Annonaceae) from coastal East Africa in Kenya and Tanzania. PhytoKeys, 2021, 174, 107-126. | 1.0 | 8 |
| 8 | Chromosomeâ€level reference genome of the soursop (Annona muricata): A new resource for Magnoliid research and tropical pomology. Molecular Ecology Resources, 2021, 21, 1608-1619. | 4.8 | 18 |
| 9 | A robust phylogenomic framework for the calamoid palms. Molecular Phylogenetics and Evolution, 2021, 157, 107067. | 2.7 | 13 |
| 10 | Integration and harmonization of trait data from plant individuals across heterogeneous sources. Ecological Informatics, 2021, 62, 101206. | 5.2 | 8 |
| 11 | Conserved ancestral tropical niche but different continental histories explain the latitudinal diversity gradient in brush-footed butterflies. Nature Communications, 2021, 12, 5717. | 12.8 | 33 |
| 12 | Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. Nature Communications, 2021, 12, 354. | 12.8 | 43 |
| 13 | Pleistocene climatic fluctuations promoted alternative evolutionary histories in Phytelephas aequatorialis, an endemic palm from western Ecuador. Journal of Biogeography, 2021, 48, 1023-1037. | 3.0 | 8 |
| 14 | Phylogenomics of the Palm Tribe Lepidocaryeae (Calamoideae: Arecaceae) and Description of a New Species ofMauritiella. Systematic Botany, 2021, 46, 863-874. | 0.5 | 6 |
| 15 | Cradles and museums of generic plant diversity across tropical Africa. New Phytologist, 2020, 225, 2196-2213. | 7.3 | 97 |
| 16 | Phylogenomic approaches reveal how climate shapes patterns of genetic diversity in an African rain forest tree species. Molecular Ecology, 2020, 29, 3560-3573. | 3.9 | 17 |
| 17 | An ancient tropical origin, dispersals via land bridges and Miocene diversification explain the subcosmopolitan disjunctions of the liverwort genus Lejeunea. Scientific Reports, 2020, 10, 14123. | 3.3 | 12 |
| 18 | On the origin of giant seeds: the macroevolution of the double coconut (Lodoicea maldivica) and its relatives (Borasseae, Arecaceae). New Phytologist, 2020, 228, 1134-1148. | 7.3 | 15 |

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|---|---|---|---|
| 19 | Use and Cultural Significance of Raphia Palms. Economic Botany, 2020, 74, 207-225. | 1.7 | 8 |
| 20 | Diversification of African Rainforest Restricted Clades: Piptostigmateae and Annickieae (Annonaceae). Diversity, 2020, 12, 227. | 1.7 | 11 |
| 21 | The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514. | 5.8 | 62 |
| 22 | Unraveling the Phylogenomic Relationships of the Most Diverse African Palm Genus Raphia (Calamoideae, Arecaceae). Plants, 2020, 9, 549. | 3.5 | 16 |
| 23 | Ancient tropical extinctions at high latitudes contributed to the latitudinal diversity gradient*. Evolution; International Journal of Organic Evolution, 2020, 74, 1966-1987. | 2.3 | 55 |
| 24 | Individualistic evolutionary responses of Central African rain forest plants to Pleistocene climatic fluctuations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32509-32518. | 7.1 | 26 |
| 25 | A large-scale species level dated angiosperm phylogeny for evolutionary and ecological analyses. Biodiversity Data Journal, 2020, 8, e39677. | 0.8 | 47 |
| 26 | Preâ€Pleistocene origin of phylogeographical breaks in African rain forest trees: New insights from Greenwayodendron (Annonaceae) phylogenomics. Journal of Biogeography, 2019, 46, 212-223. | 3.0 | 30 |
| 27 | Species delimitation in the genus Greenwayodendron based on morphological and genetic markers reveals new species. Taxon, 2019, 68, 442-454. | 0.7 | 19 |
| 28 | Targeted Capture of Hundreds of Nuclear Genes Unravels Phylogenetic Relationships of the Diverse Neotropical Palm Tribe Geonomateae. Frontiers in Plant Science, 2019, 10, 864. | 3.6 | 40 |
| 29 | Assessing the causes of diversification slowdowns: temperatureâ€dependent and diversityâ€dependent models receive equivalent support. Ecology Letters, 2019, 22, 1900-1912. | 6.4 | 101 |
| 30 | Longâ€fragment targeted capture for longâ€read sequencing of plastomes. Applications in Plant Sciences, 2019, 7, e1243. | 2.1 | 28 |
| 31 | Complete plastome sequences of 14 African yam species (Dioscorea spp.). Mitochondrial DNA Part B: Resources, 2019, 4, 74-76. | 0.4 | 4 |
| 32 | Which frugivoryâ€related traits facilitated historical longâ€distance dispersal in the custard apple family (Annonaceae)?. Journal of Biogeography, 2019, 46, 1874-1888. | 3.0 | 28 |
| 33 | A third of the tropical African flora is potentially threatened with extinction. Science Advances, 2019, 5, eaax9444. | 10.3 | 80 |
| 34 | The commonness of rarity: Global and future distribution of rarity across land plants. Science Advances, 2019, 5, eaaz0414. | 10.3 | 194 |
| 35 | Raphia vinifera (Arecaceae; Calamoideae): Misidentified for far too long. Biodiversity Data Journal, 2019, 7, e37757. | 0.8 | 10 |
| 36 | Beyond trees: Biogeographical regionalization of tropical Africa. Journal of Biogeography, 2018, 45, 1153-1167. | 3.0 | 78 |

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|---|---|---|---|
| 37 | Low extinction risk for an important plant resource: Conservation assessments of continental African palms (Arecaceae/Palmae). Biological Conservation, 2018, 221, 323-333. | 4.1 | 30 |
| 38 | Multiple shifts to open habitats in Melastomateae (Melastomataceae) congruent with the increase of African Neogene climatic aridity. Journal of Biogeography, 2018, 45, 1420-1431. | 3.0 | 51 |
| 39 | Unraveling rain forest biodiversity: an interview with Thomas Couvreur. BMC Biology, 2018, 16, 127. | 3.8 | 0 |
| 40 | Guinea yam (Dioscorea spp., Dioscoreaceae) wild relatives identified using whole plastome phylogenetic analyses. Taxon, 2018, 67, 905-915. | 0.7 | 15 |
| 41 | Amazonia is the primary source of Neotropical biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6034-6039. | 7.1 | 352 |
| 42 | To adapt or go extinct? The fate of megafaunal palm fruits under past global change. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180882. | 2.6 | 50 |
| 43 | Phylogenomics of the Major Tropical Plant Family Annonaceae Using Targeted Enrichment of Nuclear Genes. Frontiers in Plant Science, 2018, 9, 1941. | 3.6 | 100 |
| 44 | Two new species of Raphia (Palmae/Arecaceae) from Cameroon and Gabon. PhytoKeys, 2018, 111, 17-30. | 1.0 | 5 |
| 45 | Taxonomic revision of the African genus Greenwayodendron (Annonaceae). PhytoKeys, 2018, 114, 55-93. | 1.0 | 12 |
| 46 | Toward a Self-Updating Platform for Estimating Rates of Speciation and Migration, Ages, and Relationships of Taxa. Systematic Biology, 2017, 66, syw066. | 5.6 | 42 |
| 47 | Ancient islands acted as refugia and pumps for conifer diversity. Cladistics, 2017, 33, 69-92. | 3.3 | 33 |
| 48 | Plant phylogeny as a window on the evolution of hyperdiversity in the tropical rainforest biome. New Phytologist, 2017, 214, 1408-1422. | 7.3 | 64 |
| 49 | Crop wild relative conservation: Wild yams are not that wild. Biological Conservation, 2017, 210, 325-333. | 4.1 | 17 |
| 50 | Recent origin and rapid speciation of Neotropical orchids in the world's richest plant biodiversity hotspot. New Phytologist, 2017, 215, 891-905. | 7.3 | 170 |
| 51 | Plastid and Seed Morphology Data Support a Revised Infrageneric Classification and an African Origin of the Pantropical Genus Xylopia (Annonaceae). Systematic Botany, 2017, 42, 211-225. | 0.5 | 16 |
| 52 | Both temperature fluctuations and East Asian monsoons have driven plant diversification in the karst ecosystems from southern China. Molecular Ecology, 2017, 26, 6414-6429. | 3.9 | 74 |
| 53 | Frugivory-related traits promote speciation of tropical palms. Nature Ecology and Evolution, 2017, 1, 1903-1911. | 7.8 | 77 |
| 54 | A mega-phylogeny of the Annonaceae: taxonomic placement of five enigmatic genera and support for a new tribe, Phoenicantheae. Scientific Reports, 2017, 7, 7323. | 3.3 | 66 |

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|---|---|---|---|
| 55 | Exploring the floristic diversity of tropical Africa. BMC Biology, 2017, 15, 15. | 3.8 | 109 |
| 56 | Historical biogeography of Boraginales: West Gondwanan vicariance followed by longâ€distance dispersal?. Journal of Biogeography, 2017, 44, 158-169. | 3.0 | 20 |
| 57 | ConR: An R package to assist largeâ€scale multispecies preliminary conservation assessments using distribution data. Ecology and Evolution, 2017, 7, 11292-11303. | 1.9 | 138 |
| 58 | Phylogeny and systematics of African Melastomateae (Melastomataceae). Taxon, 2017, 66, 584-614. | 0.7 | 53 |
| 59 | An endangered West African rattan palm: Eremospatha dransfieldii. Biodiversity Data Journal, 2017, 5, e11176. | 0.8 | 4 |
| 60 | Taxonomic revision of the African genera Brieya and Piptostigma (Annonaceae). Plant Ecology and Evolution, 2017, 150, 173-216. | 0.7 | 12 |
| 61 | The abiotic and biotic drivers of rapid diversification in <scp>A</scp>ndean bellflowers (Campanulaceae). New Phytologist, 2016, 210, 1430-1442. | 7.3 | 325 |
| 62 | <scp>RPANDA</scp>: an R package for macroevolutionary analyses on phylogenetic trees. Methods in Ecology and Evolution, 2016, 7, 589-597. | 5.2 | 247 |
| 63 | Remotely sensed temperature and precipitation data improve species distribution modelling in the tropics. Global Ecology and Biogeography, 2016, 25, 443-454. | 5.8 | 105 |
| 64 | To what extent do new fossil discoveries change our understanding of clade evolution? A cautionary tale from burying beetles (Coleoptera:Nicrophorus). Biological Journal of the Linnean Society, 2016, 117, 686-704. | 1.6 | 17 |
| 65 | Phylogeography of the genus Podococcus (Palmae/Arecaceae) in Central African rain forests: Climate stability predicts unique genetic diversity. Molecular Phylogenetics and Evolution, 2016, 105, 126-138. | 2.7 | 45 |
| 66 | Intraâ€individual polymorphism in chloroplasts from <scp>NGS</scp> data: where does it come from and how to handle it?. Molecular Ecology Resources, 2016, 16, 434-445. | 4.8 | 62 |
| 67 | Jean-Christophe Pintaud (28.02.1970-10.08.2015). Botanical Journal of the Linnean Society, 2016, 182, 201-203. | 1.6 | 0 |
| 68 | Phylogenetics and diversification history of African rattans (Calamoideae, Ancistrophyllinae). Botanical Journal of the Linnean Society, 2016, 182, 256-271. | 1.6 | 23 |
| 69 | Two new records of palm species for Gabon: Sclerosperma profizianum Valk. & Sunder. and Eremospatha quiquecostulata Becc.. Biodiversity Data Journal, 2016, 4, e10187. | 0.8 | 3 |
| 70 | A new species in the tree genus Polyceratocarpus (Annonaceae) from the Udzungwa Mountains of Tanzania. PhytoKeys, 2016, 63, 63-76. | 1.0 | 16 |
| 71 | New species of Uvariopsis (Annonaceae) and Laccosperma (Arecaceae/Palmae) from Monts de Cristal, Gabon. PhytoKeys, 2016, 68, 1-8. | 1.0 | 12 |
| 72 | RAINBIO: a mega-database of tropical African vascular plants distributions. PhytoKeys, 2016, 74, 1-18. | 1.0 | 92 |

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|---|---|---|---|
| 73 | Dispersal is a major driver of the latitudinal diversity gradient of <scp>C</scp>arnivora. Global Ecology and Biogeography, 2015, 24, 1059-1071. | 5.8 | 46 |
| 74 | Global diversification of a tropical plant growth form: environmental correlates and historical contingencies in climbing palms. Frontiers in Genetics, 2015, 5, 452. | 2.3 | 37 |
| 75 | Sirdavidia, an extraordinary new genus of Annonaceae from Gabon. PhytoKeys, 2015, 46, 1-19. | 1.0 | 19 |
| 76 | Odd man out: why are there fewer plant species in African rain forests?. Plant Systematics and Evolution, 2015, 301, 1299-1313. | 0.9 | 83 |
| 77 | Five major shifts of diversification through the long evolutionary history of Magnoliidae (angiosperms). BMC Evolutionary Biology, 2015, 15, 49. | 3.2 | 64 |
| 78 | Origin and diversification of living cycads: a cautionary tale on the impact of the branching process prior in Bayesian molecular dating. BMC Evolutionary Biology, 2015, 15, 65. | 3.2 | 189 |
| 79 | Role of <scp>C</scp>aribbean Islands in the diversification and biogeography of Neotropical <scp>H</scp>eraclides swallowtails. Cladistics, 2015, 31, 291-314. | 3.3 | 30 |
| 80 | Characterizing the Phylogenetic Tree Community Structure of a Protected Tropical Rain Forest Area in Cameroon. PLoS ONE, 2014, 9, e98920. | 2.5 | 8 |
| 81 | Faster Speciation and Reduced Extinction in the Tropics Contribute to the Mammalian Latitudinal Diversity Gradient. PLoS Biology, 2014, 12, e1001775. | 5.6 | 279 |
| 82 | A plastid phylogeny of the African rattans (Ancistrophyllinae, Arecaceae). Systematic Botany, 2014, 39, 1099-1107. | 0.5 | 9 |
| 83 | Costâ€effective enrichment hybridization capture of chloroplast genomes at deep multiplexing levels for population genetics and phylogeography studies. Molecular Ecology Resources, 2014, 14, 1103-1113. | 4.8 | 110 |
| 84 | From capsules to nutletsâ€"phylogenetic relationships in the <scp>B</scp>oraginales. Cladistics, 2014, 30, 508-518. | 3.3 | 56 |
| 85 | Higher level molecular phylogeny of darkling beetles (<scp>C</scp>oleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td | 3.9 | 74 |
| 86 | Tree diversity of the Dja Faunal Reserve, southeasternÂCameroon. Biodiversity Data Journal, 2014, 2, e1049. | 0.8 | 18 |
| 87 | Revision of the African genus Uvariastrum (Annonaceae). PhytoKeys, 2014, 33, 1-40. | 1.0 | 10 |
| 88 | Tropical rain forest evolution: palms as a model group. BMC Biology, 2013, 11, 48. | 3.8 | 81 |
| 89 | Macroevolutionary perspectives to environmental change. Ecology Letters, 2013, 16, 72-85. | 6.4 | 222 |
| 90 | Cenozoic colonization and diversification patterns of tropical American palms: evidence fromAstrocaryum(Arecaceae). Botanical Journal of the Linnean Society, 2013, 171, 120-139. | 1.6 | 76 |

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|---|---|---|---|
| 91 | Global biogeography and diversification of palms sheds light on the evolution of tropical lineages. II. Diversification history and origin of regional assemblages. Journal of Biogeography, 2013, 40, 286-298. | 3.0 | 96 |
| 92 | Global biogeography and diversification of palms sheds light on the evolution of tropical lineages. I. Historical biogeography. Journal of Biogeography, 2013, 40, 274-285. | 3.0 | 147 |
| 93 | Dispersal and niche evolution jointly shape the geographic turnover of phylogenetic clades across continents. Scientific Reports, 2013, 3, 1164. | 3.3 | 66 |
| 94 | Beyond dead trees: integrating the scientific process in the Biodiversity Data Journal. Biodiversity Data Journal, 2013, 1, e995. | 0.8 | 40 |
| 95 | Biogeography and distribution patterns of Southeast Asian palms. , 2012, , 164-190. | | 19 |
| 96 | Biogeographic and diversification patterns of Neotropical Troidini butterflies (Papilionidae) support a museum model of diversity dynamics for Amazonia. BMC Evolutionary Biology, 2012, 12, 82. | 3.2 | 46 |
| 97 | Cenozoic imprints on the phylogenetic structure of palm species assemblages worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7379-7384. | 7.1 | 209 |
| 98 | Radiations and key innovations in an early branching angiosperm lineage (Annonaceae; Magnoliales). Botanical Journal of the Linnean Society, 2012, 169, 117-134. | 1.6 | 34 |
| 99 | Keys to the genera of Annonaceae. Botanical Journal of the Linnean Society, 2012, 169, 74-83. | 1.6 | 38 |
| 100 | A new subfamilial and tribal classification of the pantropical flowering plant family Annonaceae informed by molecular phylogenetics. Botanical Journal of the Linnean Society, 2012, 169, 5-40. | 1.6 | 222 |
| 101 | What causes latitudinal gradients in species diversity? Evolutionary processes and ecological constraints on swallowtail biodiversity. Ecology Letters, 2012, 15, 267-277. | 6.4 | 222 |
| 102 | The impact of climate change on the origin and future of East African rainforest trees. , 2011, , 304-319. | | 0 |
| 103 | Early evolutionary history of the flowering plant family Annonaceae: steady diversification and boreotropical geodispersal. Journal of Biogeography, 2011, 38, 664-680. | 3.0 | 184 |
| 104 | Origin and global diversification patterns of tropical rain forests: inferences from a complete genus-level phylogeny of palms. BMC Biology, 2011, 9, 44. | 3.8 | 228 |
| 105 | Little ecological divergence associated with speciation in two African rain forest tree genera. BMC Evolutionary Biology, 2011, 11, 296. | 3.2 | 54 |
| 106 | Revision of the African Genus Hexalobus (Annonaceae). Systematic Botany, 2011, 36, 33-48. | 0.5 | 17 |
| 107 | Phylogenetic relationships among arecoid palms (Arecaceae: Arecoideae). Annals of Botany, 2011, 108, 1417-1432. | 2.9 | 97 |
| 108 | A new species of <I>Uvariopsis</I> (<I>Annonaceae</I>), endemic to the Eastern Arc Mountains of Tanzania. Blumea: Journal of Plant Taxonomy and Plant Geography, 2010, 55, 68-72. | 0.2 | 15 |

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| 109 | Insights into the Influence of Priors in Posterior Mapping of Discrete Morphological Characters: A Case Study in Annonaceae. PLoS ONE, 2010, 5, e10473. | 2.5 | 9 |
| 110 | Molecular Phylogenetics, Temporal Diversification, and Principles of Evolution in the Mustard Family (Brassicaceae). Molecular Biology and Evolution, 2010, 27, 55-71. | 8.9 | 306 |
| 111 | Phylogenetic Analysis of Seven WRKY Genes across the Palm Subtribe Attaleinae (Arecaceae) Identifies Syagrus as Sister Group of the Coconut. PLoS ONE, 2009, 4, e7353. | 2.5 | 83 |
| 112 | From Africa via Europe to South America: migrational route of a speciesâ€rich genus of Neotropical lowland rain forest trees (Guatteria, Annonaceae). Journal of Biogeography, 2009, 36, 2338-2352. | 3.0 | 64 |
| 113 | Spatioâ€temporal dynamism of hotspots enhances plant diversity. Journal of Biogeography, 2009, 36, 1628-1629. | 3.0 | 4 |
| 114 | Molecular and Morphological Characterization of a New Monotypic Genus of Annonaceae, Mwasumbia from Tanzania. Systematic Botany, 2009, 34, 266-276. | 0.5 | 34 |
| 115 | A revision of the genus Sclerosperma (Arecaceae). Kew Bulletin, 2008, 63, 75-86. | 0.9 | 11 |
| 116 | Molecular phylogenetics reveal multiple tertiary vicariance origins of the African rain forest trees. BMC Biology, 2008, 6, 54. | 3.8 | 151 |
| 117 | Evolution of syncarpy and other morphological characters in African Annonaceae: A posterior mapping approach. Molecular Phylogenetics and Evolution, 2008, 47, 302-318. | 2.7 | 65 |
| 118 | Pollen morphology within theMonodoraclade, a diverse group of five African Annonaceae genera. Grana, 2008, 47, 185-210. | 0.8 | 13 |
| 119 | Phylogenetic Relationships of the Cultivated Neotropical Palm Bactris gasipaes (Arecaceae) with its Wild Relatives Inferred from Chloroplast and Nuclear DNA Polymorphisms. Systematic Botany, 2007, 32, 519-530. | 0.5 | 24 |
| 120 | Close Genetic Proximity Between Cultivated and Wild Bactris gasipaes Kunth Revealed by Microsatellite Markers in Western Ecuador. Genetic Resources and Crop Evolution, 2006, 53, 1361-1373. | 1.6 | 24 |
| 121 | Nuclear microsatellite markers for the date palm (Phoenix dactylifera L.): characterization and utility across the genus Phoenix and in other palm genera. Molecular Ecology Notes, 2004, 4, 256-258. | 1.7 | 115 |
| 122 | A new set of microsatellite markers for the peach palm (Bactris gasipaes Kunth); characterization and across-taxa utility within the tribe Cocoeae. Molecular Ecology Notes, 2004, 4, 580-582. | 1.7 | 17 |