

Jean-Louis Doucet

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,886
citations

25
h-index

52
g-index

92
ext. papers

3,615
ext. citations

5.1
avg, IF

4.48
L-index

#	Paper	IF	Citations
91	Tree growth and mortality of 42 timber species in central Africa. <i>Forest Ecology and Management</i> , 2022 , 505, 119889	3.9	0
90	Unveiling African rainforest composition and vulnerability to global change. <i>Nature</i> , 2021 , 593, 90-94	50.4	11
89	Resistance of African tropical forests to an extreme climate anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
88	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021 , 30, 459-475	6.1	6
87	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
86	Wildlife trail or systematic? Camera trap placement has little effect on estimates of mammal diversity in a tropical forest in Gabon. <i>Remote Sensing in Ecology and Conservation</i> , 2021 , 7, 321-336	5.3	4
85	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
84	Species delimitation in the African tree genus <i>Lophira</i> (Ochnaceae) reveals cryptic genetic variation. <i>Conservation Genetics</i> , 2020 , 21, 501-514	2.6	5
83	Population genomics of the widespread African savannah trees <i>Azelia africana</i> and <i>Azelia quanzensis</i> reveals no significant past fragmentation of their distribution ranges. <i>American Journal of Botany</i> , 2020 , 107, 498-509	2.7	2
82	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202
81	Miocene Diversification in the Savannahs Precedes Tetraploid Rainforest Radiation in the African Tree Genus (<i>Detarioideae</i> , Fabaceae). <i>Frontiers in Plant Science</i> , 2020 , 11, 798	6.2	2
80	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
79	Past human disturbances and soil fertility both influence the distribution of light-demanding tree species in a Central African tropical forest. <i>Journal of Vegetation Science</i> , 2020 , 31, 440-453	3.1	1
78	Conservation value of tropical forests: Distance to human settlements matters more than management in Central Africa. <i>Biological Conservation</i> , 2020 , 241, 108351	6.2	18
77	Old growth Afrotropical forests critical for maintaining forest carbon. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1785-1798	6.1	7
76	Floristic evidence for alternative biome states in tropical Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28183-28190	11.5	18
75	Latitudinal shift in the timing of flowering of tree species across tropical Africa: insights from field observations and herbarium collections. <i>Journal of Tropical Ecology</i> , 2020 , 36, 159-173	1.3	1

74	The persistence of carbon in the African forest understory. <i>Nature Plants</i> , 2019 , 5, 133-140	11.5	19
73	Growth determinants of timber species <i>Triplochiton scleroxylon</i> and implications for forest management in central Africa. <i>Forest Ecology and Management</i> , 2019 , 437, 211-221	3.9	3
72	Perceptions of ecosystem services provided by tropical forests to local populations in Cameroon. <i>Ecosystem Services</i> , 2019 , 38, 100956	6.1	13
71	Seed and pollen dispersal distances in two African legume timber trees and their reproductive potential under selective logging. <i>Molecular Ecology</i> , 2019 , 28, 3119-3134	5.7	11
70	Testing the divergent adaptation of two congeneric tree species on a rainfall gradient using eco-physio-morphological traits. <i>Biotropica</i> , 2019 , 51, 364-377	2.3	2
69	Do topography and fruit presence influence occurrence and intensity of crop-raiding by forest elephants (<i>Loxodonta africana cyclotis</i>)?. <i>PLoS ONE</i> , 2019 , 14, e0213971	3.7	6
68	How complementary are large frugivores for tree seedling recruitment? A case study in the Congo Basin. <i>Journal of Tropical Ecology</i> , 2019 , 35, 223-236	1.3	2
67	Removal and predation of aril-covered seeds: the case of <i>Afzelia bipindensis</i> (Fabaceae □ Detarioideae). <i>Plant Ecology and Evolution</i> , 2019 , 152, 460-469	1.6	2
66	Highlighting convergent evolution in morphological traits in response to climatic gradient in African tropical tree species: The case of genus <i>Benn</i> . <i>Ecology and Evolution</i> , 2019 , 9, 13114-13126	2.8	2
65	A whole-plant functional scheme predicting the early growth of tropical tree species: evidence from 15 tree species in Central Africa. <i>Trees - Structure and Function</i> , 2019 , 33, 491-505	2.6	3
64	The size at reproduction of canopy tree species in central Africa. <i>Biotropica</i> , 2018 , 50, 465-476	2.3	8
63	History of the fragmentation of the African rain forest in the Dahomey Gap: insight from the demographic history of <i>Terminalia superba</i> . <i>Heredity</i> , 2018 , 120, 547-561	3.6	24
62	Soil seed bank characteristics in two central African forest types and implications for forest restoration. <i>Forest Ecology and Management</i> , 2018 , 409, 766-776	3.9	20
61	What controls local-scale aboveground biomass variation in central Africa? Testing structural, composition and architectural attributes. <i>Forest Ecology and Management</i> , 2018 , 429, 570-578	3.9	10
60	Development of nuclear SNP markers for the timber tracking of the African tree species <i>Sapelli</i> , <i>Entandrophragma cylindricum</i> . <i>Conservation Genetics Resources</i> , 2018 , 10, 539-541	0.8	9
59	Architectural differences associated with functional traits among 45 coexisting tree species in Central Africa. <i>Functional Ecology</i> , 2018 , 32, 2583-2593	5.6	12
58	Seed dispersal effectiveness of the western lowland gorilla (<i>Gorilla gorilla gorilla</i>) in Gabon. <i>African Journal of Ecology</i> , 2018 , 56, 185-193	0.8	2
57	Evolution in the Amphi-Atlantic tropical genus <i>Guibourtia</i> (Fabaceae, Detarioideae), combining NGS phylogeny and morphology. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 120, 83-93	4.1	21

56	Characterization of animal communities involved in seed dispersal and predation of <i>Guibourtia tessmannii</i> (Harms) J.L.ønard, a species newly listed on Appendix II of CITES. <i>African Journal of Ecology</i> , 2018 , 56, 468-476	0.8	2
55	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
54	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
53	Testing a general approach to assess the degree of disturbance in tropical forests. <i>Journal of Vegetation Science</i> , 2017 , 28, 659-668	3.1	7
52	A look at Intact Forest Landscapes (IFLs) and their relevance in Central African forest policy. <i>Forest Policy and Economics</i> , 2017 , 80, 192-199	3.6	6
51	Deforestation and timber production in Congo after implementation of sustainable management policy: A reaction to the article by J.S. Brandt, C. Nolte and A. Agrawal (Land Use Policy 52:1502). <i>Land Use Policy</i> , 2017 , 65, 62-65	5.6	8
50	Frugivorous birds influence the spatial organization of tropical forests through the generation of seedling recruitment foci under zoochoric trees. <i>Acta Oecologica</i> , 2017 , 85, 69-76	1.7	7
49	Extensive seed and pollen dispersal and assortative mating in the rain forest tree <i>Entandrophragma cylindricum</i> (Meliaceae) inferred from indirect and direct analyses. <i>Molecular Ecology</i> , 2017 , 26, 5279-5291	5.7	19
48	Characterization of microsatellite markers in the African tropical tree species (Fabaceae, Detarioideae). <i>Applications in Plant Sciences</i> , 2017 , 5, 1700023	2.3	
47	The influence of spatially structured soil properties on tree community assemblages at a landscape scale in the tropical forests of southern Cameroon. <i>Journal of Ecology</i> , 2017 , 105, 354-366	6	13
46	Evolution in African tropical trees displaying ploidy-habitat association: The genus <i>Afzelia</i> (Leguminosae). <i>Molecular Phylogenetics and Evolution</i> , 2017 , 107, 270-281	4.1	21
45	Present-day central African forest is a legacy of the 19th century human history. <i>ELife</i> , 2017 , 6,	8.9	29
44	High spatial resolution of late-Holocene human activities in the moist forests of central Africa using soil charcoal and charred botanical remains. <i>Holocene</i> , 2016 , 26, 1954-1967	2.6	26
43	Short term impact of selective logging on a western lowland gorilla population. <i>Forest Ecology and Management</i> , 2016 , 364, 46-51	3.9	9
42	What Are the Impacts of Deforestation on the Harvest of Non-Timber Forest Products in Central Africa?. <i>Forests</i> , 2016 , 7, 106	2.8	8
41	The determinants of tropical forest deciduousness: disentangling the effects of rainfall and geology in central Africa. <i>Journal of Ecology</i> , 2016 , 104, 924-935	6	17
40	Microsatellite development for the genus <i>Guibourtia</i> (Fabaceae, Caesalpinioideae) reveals diploid and polyploid species. <i>Applications in Plant Sciences</i> , 2016 , 4, 1600029	2.3	4
39	Taller trees, denser stands and greater biomass in semi-deciduous than in evergreen lowland central African forests. <i>Forest Ecology and Management</i> , 2016 , 374, 42-50	3.9	35

38	Quantity and spatial distribution of seeds dispersed by a western lowland gorilla population in south-east Cameroon. <i>Journal of Tropical Ecology</i> , 2015 , 31, 201-212	1.3	7
37	Western lowland gorilla seed dispersal: Are seeds adapted to long gut retention times?. <i>Acta Oecologica</i> , 2015 , 67, 59-65	1.7	10
36	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , 2015 , 103, 978-989	6	99
35	Late Pleistocene molecular dating of past population fragmentation and demographic changes in African rain forest tree species supports the forest refuge hypothesis. <i>Journal of Biogeography</i> , 2015 , 42, 1443-1454	4.1	48
34	Microsatellite development and flow cytometry in the African tree genus <i>Azelaia</i> (Fabaceae, Caesalpinioideae) reveal a polyploid complex. <i>Applications in Plant Sciences</i> , 2015 , 3, 1400097	2.3	11
33	The role of great apes in seed dispersal of the tropical forest tree species <i>Dacryodes normandii</i> (Burseraceae) in Gabon. <i>Journal of Tropical Ecology</i> , 2015 , 31, 395-402	1.3	12
32	Differences in dung beetle activity at western gorilla defecation sites in south-east Cameroon: implications for establishment of <i>Uapaca</i> spp. seedlings. <i>Journal of Tropical Ecology</i> , 2015 , 31, 165-174	1.3	2
31	New data on the recent history of the littoral forests of southern Cameroon: an insight into the role of historical human disturbances on the current forest composition. <i>Plant Ecology and Evolution</i> , 2015 , 148, 19-28	1.6	15
30	Light Response of Seedlings of a Central African Timber Tree Species, <i>Lophira alata</i> (Ochnaceae), and the Definition of Light Requirements. <i>Biotropica</i> , 2015 , 47, 681-688	2.3	0
29	How Tightly Linked Are <i>Pericopsis elata</i> (Fabaceae) Patches to Anthropogenic Disturbances in Southeastern Cameroon?. <i>Forests</i> , 2015 , 6, 293-310	2.8	12
28	Differential Performance between Two Timber Species in Forest Logging Gaps and in Plantations in Central Africa. <i>Forests</i> , 2015 , 6, 380-394	2.8	9
27	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7472-7	11.5	258
26	A new insight in the structure, composition and functioning of central African moist forests. <i>Forest Ecology and Management</i> , 2014 , 329, 195-205	3.9	38
25	Western lowland gorilla density and nesting behavior in a Gabonese forest logged for 25 years: implications for gorilla conservation. <i>Biodiversity and Conservation</i> , 2014 , 23, 2669-2687	3.4	12
24	Patterns of tree species composition across tropical African forests. <i>Journal of Biogeography</i> , 2014 , 41, 2320-2331	4.1	49
23	Enrichment of Logging Gaps with a High Conservation Value Species (<i>Pericopsis elata</i>) in a Central African Moist Forest. <i>Forests</i> , 2014 , 5, 3031-3047	2.8	14
22	Dispersal and predation of diaspores of <i>Coula edulis</i> Baill. in an evergreen forest of Gabon. <i>African Journal of Ecology</i> , 2014 , 52, 88-96	0.8	13
21	New Evidence of Human Activities During the Holocene in the Lowland Forests of the Northern Congo Basin. <i>Radiocarbon</i> , 2014 , 56, 209-220	4.6	31

20	Stand structure and species co-occurrence in mixed and monodominant Central African tropical forests. <i>Journal of Tropical Ecology</i> , 2014 , 30, 447-455	1.3	8
19	Soil charcoal to assess the impacts of past human disturbances on tropical forests. <i>PLoS ONE</i> , 2014 , 9, e108121	3.7	26
18	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1261-1271	6.1	280
17	Tree allometry in Central Africa: Testing the validity of pantropical multi-species allometric equations for estimating biomass and carbon stocks. <i>Forest Ecology and Management</i> , 2013 , 305, 29-37	3.9	124
16	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120295	5.8	204
15	Mathematical formulation and exact solution for landing location problem in tropical forest selective logging, a case study in Southeast Cameroon. <i>Journal of Forest Economics</i> , 2012 , 18, 113-122	1.1	6
14	Phenological patterns in a natural population of a tropical timber tree species, <i>Milicia excelsa</i> (Moraceae): Evidence of isolation by time and its interaction with feeding strategies of dispersers. <i>American Journal of Botany</i> , 2012 , 99, 1453-63	2.7	18
13	A commented checklist of woody plants in the Northern Republic of Congo. <i>Plant Ecology and Evolution</i> , 2012 , 145, 258-271	1.6	14
12	Geological substrates shape tree species and trait distributions in African moist forests. <i>PLoS ONE</i> , 2012 , 7, e42381	3.7	56
11	Development and characterization of microsatellite loci in <i>Pericopsis elata</i> (Fabaceae) using a cost-efficient approach. <i>American Journal of Botany</i> , 2011 , 98, e268-70	2.7	25
10	Detecting large-scale diversity patterns in tropical trees: Can we trust commercial forest inventories?. <i>Forest Ecology and Management</i> , 2011 , 261, 187-194	3.9	28
9	Will elephants soon disappear from West African savannahs?. <i>PLoS ONE</i> , 2011 , 6, e20619	3.7	70
8	Household Bushmeat Consumption in Brazzaville, the Republic of the Congo. <i>Tropical Conservation Science</i> , 2011 , 4, 187-202	1.4	73
7	Predicting alpha diversity of African rain forests: models based on climate and satellite-derived data do not perform better than a purely spatial model. <i>Journal of Biogeography</i> , 2011 , 38, 1164-1176	4.1	23
6	Spatial aggregation of tropical trees at multiple spatial scales. <i>Journal of Ecology</i> , 2011 , 99, 1373-1381	6	23
5	Diversity and aboveground biomass in three tropical forest types in the Dja Biosphere Reserve, Cameroon. <i>African Journal of Ecology</i> , 2010 , 48, 1053-1063	0.8	43
4	Forest refugia revisited: nSSRs and cpDNA sequences support historical isolation in a wide-spread African tree with high colonization capacity, <i>Milicia excelsa</i> (Moraceae). <i>Molecular Ecology</i> , 2010 , 19, 4462-77	5.7	43
3	Community hunting in logging concessions: towards a management model for Cameroon's dense forests. <i>Biodiversity and Conservation</i> , 2009 , 18, 2705-2718	3.4	16

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| 2 | Enrichment of logging gaps with moabi (<i>Baillonella toxisperma</i> Pierre) in a Central African rain forest. <i>Forest Ecology and Management</i> , 2009 , 258, 2407-2415 | 3.9 | 41 |
| 1 | The odd man out? Might climate explain the lower tree diversity of African rain forests relative to Amazonian rain forests?. <i>Journal of Ecology</i> , 2007 , 95, 1058-1071 | 6 | 99 |