

Hans Beeckman

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.

160
papers

4,450
citations

36
h-index

60
g-index

167
ext. papers

5,579
ext. citations

4.3
avg, IF

5.27
L-index

#	Paper	IF	Citations
160	Height-diameter allometric equations of an emergent tree species from the Congo Basin. <i>Forest Ecology and Management</i> , 2022 , 504, 119822	3.9	0
159	Unraveling the natural durability of wood: revealing the impact of decay-influencing characteristics other than fungicidal components. <i>Holzforschung</i> , 2021 , 75, 368-378	2	1
158	Direct analysis in real-time (DART) time-of-flight mass spectrometry (TOFMS) of wood reveals distinct chemical signatures of two species of Afzelia. <i>Annals of Forest Science</i> , 2021 , 78, 1	3.1	1
157	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
156	Genome skimming reveals novel plastid markers for the molecular identification of illegally logged African timber species. <i>PLoS ONE</i> , 2021 , 16, e0251655	3.7	0
155	Timber identification of Autranella, Baillonella and Tieghemella in the taxonomically challenging Sapotaceae family. <i>Plant Methods</i> , 2021 , 17, 64	5.8	0
154	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021 , 30, 459-475	6.1	6
153	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021 , 596, 536-542	50.4	10
152	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
151	High-Resolution X-Ray Computed Tomography: A New Workflow for the Analysis of Xylogenesis and Intra-Seasonal Wood Biomass Production. <i>Frontiers in Plant Science</i> , 2021 , 12, 698640	6.2	3
150	Spatial patterns of light-demanding tree species in the Yangambi rainforest (Democratic Republic of Congo).. <i>Ecology and Evolution</i> , 2021 , 11, 18691-18707	2.8	0
149	Description and evolution of wood anatomical characters in the ebony wood genus Diospyros and its close relatives (Ebenaceae): a first step towards combatting illegal logging. <i>IAWA Journal</i> , 2020 , 41, 577-619	2.3	1
148	Century-long apparent decrease in intrinsic water-use efficiency with no evidence of progressive nutrient limitation in African tropical forests. <i>Global Change Biology</i> , 2020 , 26, 4449-4461	11.4	7
147	Salinity drives growth dynamics of the mangrove tree <i>Sonneratia apetala</i> Buch. -Ham. in the Sundarbans, Bangladesh. <i>Dendrochronologia</i> , 2020 , 62, 125711	2.8	10
146	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
145	Assessing the natural durability of xylarium specimens: mini-block testing and chemical fingerprinting for small-sized samples. <i>Wood Science and Technology</i> , 2020 , 54, 981-1000	2.5	4
144	The Response of <i>Erica arborea</i> L. Tree Growth to Climate Variability at the Afro-alpine Tropical Highlands of North Ethiopia. <i>Forests</i> , 2020 , 11, 310	2.8	1

143	Historical Aerial Surveys Map Long-Term Changes of Forest Cover and Structure in the Central Congo Basin. <i>Remote Sensing</i> , 2020 , 12, 638	5	3
142	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202
141	Growth-Ring Analysis of <i>Diploknema butyracea</i> Is a Potential Tool for Revealing Indigenous Land Use History in the Lower Himalayan Foothills of Nepal. <i>Forests</i> , 2020 , 11, 242	2.8	1
140	Drought Treated Seedlings of <i>Quercus petraea</i> (Matt.) Liebl., <i>Q. robur</i> L. and Their Morphological Intermediates Show Differential Radial Growth and Wood Anatomical Traits. <i>Forests</i> , 2020 , 11, 250	2.8	0
139	Chemical Fingerprinting of Wood Sampled along a Pith-to-Bark Gradient for Individual Comparison and Provenance Identification. <i>Forests</i> , 2020 , 11, 107	2.8	4
138	A large-scale species level dated angiosperm phylogeny for evolutionary and ecological analyses. <i>Biodiversity Data Journal</i> , 2020 , 8, e39677	1.8	27
137	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
136	Foliar and Wood Traits Covary along a Vertical Gradient within the Crown of Long-Lived Light-Demanding Species of the Congo Basin Semi-Deciduous Forest. <i>Forests</i> , 2020 , 11, 35	2.8	3
135	Towards improving the assessment of rainforest carbon: Complementary evidence from repeated diameter measurements and dated wood. <i>Dendrochronologia</i> , 2020 , 62, 125723	2.8	0
134	Improving the knowledge base for tropical dry forest management in southern Africa: Regional volume models for <i>Pterocarpus angolensis</i> . <i>Forest Ecology and Management</i> , 2020 , 477, 118485	3.9	
133	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
132	Mangrove trees survive partial sediment burial by developing new roots and adapting their root, branch and stem anatomy. <i>Trees - Structure and Function</i> , 2020 , 34, 37-49	2.6	6
131	The Luki and Yangambi Biosphere Reserves: laboratories for climate change research and sustainable development. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 298, 012009	0.3	1
130	The persistence of carbon in the African forest understory. <i>Nature Plants</i> , 2019 , 5, 133-140	11.5	19
129	A protocol for automated timber species identification using metabolome profiling. <i>Wood Science and Technology</i> , 2019 , 53, 953-965	2.5	10
128	The earliest iron-producing communities in the Lower Congo region of Central Africa: new insights from the Bu, Kindu and Mantsetsi sites. <i>Azania</i> , 2019 , 54, 221-244	0.7	2
127	Asynchronous leaf and cambial phenology in a tree species of the Congo Basin requires space-time conversion of wood traits. <i>Annals of Botany</i> , 2019 , 124, 245-253	4.1	4
126	Sleeping beauties in materials science: unlocking the value of xylarium specimens in the search for timbers of the future. <i>Holzforschung</i> , 2019 , 73, 889-897	2	2

125	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
124	Wood anatomy variability under contrasted environmental conditions of common deciduous and evergreen species from central African forests. <i>Trees - Structure and Function</i> , 2019 , 33, 893-909	2.6	7
123	Rate of forest recovery after fire exclusion on anthropogenic savannas in the Democratic Republic of Congo. <i>Biological Conservation</i> , 2019 , 233, 118-130	6.2	7
122	Large-sized rare tree species contribute disproportionately to functional diversity in resource acquisition in African tropical forest. <i>Ecology and Evolution</i> , 2019 , 9, 4349-4361	2.8	7
121	Advanced X-ray CT scanning can boost tree ring research for earth system sciences. <i>Annals of Botany</i> , 2019 , 124, 837-847	4.1	17
120	Genetic Markers for Species Conservation and Timber Tracking: Development of Microsatellite Primers for the Tropical African Tree Species <i>Prioria balsamifera</i> and <i>Prioria oxyphylla</i> . <i>Forests</i> , 2019 , 10, 1037	2.8	2
119	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
118	Fourteen years of anthropization dynamics in the Uapaca bojeri Baill. forest of Madagascar. <i>Landscape and Ecological Engineering</i> , 2018 , 14, 135-146	2	2
117	Reconciling biodiversity and carbon stock conservation in an Afrotropical forest landscape. <i>Science Advances</i> , 2018 , 4, eaar6603	14.3	22
116	Tree ring responses to climate variability of xerophytic thickets from South Soalara, Madagascar. <i>Dendrochronologia</i> , 2018 , 49, 57-67	2.8	12
115	Inter- and intraspecific variation in mangrove carbon fraction and wood specific gravity in Gazi Bay, Kenya. <i>Ecosphere</i> , 2018 , 9, e02306	3.1	9
114	The African timber tree <i>Entandrophragma congoense</i> (Pierre ex De Wild.) A.Chev. is morphologically and genetically distinct from <i>Entandrophragma angolense</i> (Welw.) C.DC. <i>Tree Genetics and Genomes</i> , 2018 , 14, 1	2.1	6
113	Le genre <i>Entandrophragma</i> (Meliaceae): taxonomie et écologie d'arbres africains d'intérêt économique (synthèse bibliographique). <i>Biotechnology, Agronomy and Society and Environment</i> , 2018 , 113-127	1.3	3
112	Timber for the trenches: a new perspective on archaeological wood from First World War trenches in Flanders Fields. <i>Antiquity</i> , 2018 , 92, 1619-1639	1	5
111	Wood Density Profiles and Their Corresponding Tissue Fractions in Tropical Angiosperm Trees. <i>Forests</i> , 2018 , 9, 763	2.8	15
110	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
109	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
108	Model performance of tree height-diameter relationships in the central Congo Basin. <i>Annals of Forest Science</i> , 2017 , 74, 1	3.1	29

107	Forests and rivers: The archaeology of the north eastern Congo. <i>Quaternary International</i> , 2017 , 448, 95-116	2	8
106	Towards an unknown fate: The floating behaviour of recently abscised propagules from wide ranging Rhizophoraceae mangrove species. <i>Aquatic Botany</i> , 2017 , 140, 23-33	1.8	11
105	Capacitive water release and internal leaf water relocation delay drought-induced cavitation in African <i>Maesopsis eminii</i> . <i>Tree Physiology</i> , 2017 , 37, 481-490	4.2	18
104	Hydraulic conductivity and xylem structure of partially buried mangrove tree species. <i>Plant and Soil</i> , 2017 , 417, 141-154	4.2	1
103	Functional community structure of African monodominant forest influenced by local environmental filtering. <i>Ecology and Evolution</i> , 2017 , 7, 295-304	2.8	29
102	Automated classification of wood transverse cross-section micro-imagery from 77 commercial Central-African timber species. <i>Annals of Forest Science</i> , 2017 , 74, 1	3.1	16
101	Predicting site productivity of the timber tree <i>Pterocarpus angolensis</i> §§ This article is based on a paper presented at the Symposium on Silviculture and Management of Dryland Forests, Stellenbosch University, South Africa, 16-19 March 2015, jointly organised by IUFRO unit 1.02.05 and the Department of Forest and Wood Science, Stellenbosch University. <i>Southern Forests</i> , 2017 ,	0.6	3
100	Anatomical Characteristics of <i>Garcinia lucida</i> (Vesque) and <i>Scorodophloeus zenkeri</i> (Harms) Wood and Debarking Response in the South Region Cameroon. <i>Sustainable Agriculture Research</i> , 2017 , 6, 132	1	
99	<i>Prunus africana</i> (Hook. f.) Kalkman (the African Cherry). <i>Medicinal and Aromatic Plants of the World</i> , 2017 , 127-142	0.1	1
98	Comparison of species classification models of mass spectrometry data: Kernel Discriminant Analysis vs Random Forest; A case study of <i>Afromosia</i> (<i>Pericopsis elata</i> (Harms) Meeuwen). <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 1582-1588	2.2	16
97	Land cover dynamics in the Simien Mountains (Ethiopia), half a century after establishment of the National Park. <i>Regional Environmental Change</i> , 2017 , 17, 777-787	4.3	12
96	Cambial activity in the understory of the Mayombe forest, DR Congo. <i>Trees - Structure and Function</i> , 2017 , 31, 49-61	2.6	7
95	Effects of Drought on Xylem Anatomy and Water-Use Efficiency of Two Co-Occurring Pine Species. <i>Forests</i> , 2017 , 8, 332	2.8	28
94	Present-day central African forest is a legacy of the 19th century human history. <i>ELife</i> , 2017 , 6,	8.9	29
93	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
92	GROWTH-RING DISTINCTNESS AND BOUNDARY ANATOMY VARIABILITY IN TROPICAL TREES. <i>IAWA Journal</i> , 2016 , 37, 275-27	2.3	22
91	FUNCTIONAL TRAITS IN WOOD ANATOMY. <i>IAWA Journal</i> , 2016 , 37, 124-126	2.3	6
90	WOOD ANATOMY AND TRAIT-BASED ECOLOGY. <i>IAWA Journal</i> , 2016 , 37, 127-151	2.3	54

89	Land Use and Cover Dynamics Since 1964 in the Afro-Alpine Vegetation Belt: Lib Amba Mountain in North Ethiopia. <i>Land Degradation and Development</i> , 2016 , 27, 641-653	4.4	14
88	Computed Tomography and light microscopy: combining visualisation techniques in the study of mangrove seedling development. <i>IAWA Journal</i> , 2016 , 37, 28-S3	2.3	3
87	Climatic Signals in Tree Rings of <i>Heritiera fomes</i> Buch.-Ham. in the Sundarbans, Bangladesh. <i>PLoS ONE</i> , 2016 , 11, e0149788	3.7	23
86	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. <i>Biogeosciences</i> , 2016 , 13, 2537-2562	4.6	79
85	Stable carbon and oxygen isotopes in tree rings show physiological responses of <i>Pericopsis elata</i> to precipitation in the Congo Basin. <i>Journal of Tropical Ecology</i> , 2016 , 32, 213-225	1.3	9
84	Cambial dormancy induced growth rings in <i>Heritiera fomes</i> Buch.- Ham.: a proxy for exploring the dynamics of Sundarbans, Bangladesh. <i>Trees - Structure and Function</i> , 2016 , 30, 227-239	2.6	15
83	Annual diameter growth of <i>Pterocarpus angolensis</i> (Kiaat) and other woodland species in Namibia. <i>Forest Ecology and Management</i> , 2016 , 373, 1-8	3.9	6
82	A field-to-desktop toolchain for X-ray CT densitometry enables tree ring analysis. <i>Annals of Botany</i> , 2016 , 117, 1187-96	4.1	28
81	A novel procedure to measure shrinkage-free tree-rings from very large wood samples combining photogrammetry, high-resolution image processing, and GIS tools. <i>Dendrochronologia</i> , 2015 , 34, 24-28	2.8	9
80	Tree line dynamics in the tropical African highlands - identifying drivers and dynamics. <i>Journal of Vegetation Science</i> , 2015 , 26, 9-20	3.1	19
79	Seeing Central African forests through their largest trees. <i>Scientific Reports</i> , 2015 , 5, 13156	4.9	99
78	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
77	Wood Specific Gravity Variations and Biomass of Central African Tree Species: The Simple Choice of the Outer Wood. <i>PLoS ONE</i> , 2015 , 10, e0142146	3.7	31
76	North Ethiopian Afro-Alpine Tree Line Dynamics and Forest-Cover Change Since the Early 20th Century. <i>Land Degradation and Development</i> , 2015 , 26, 654-664	4.4	31
75	Tree rings show a different climatic response in a managed and a non-managed plantation of teak (<i>Tectona grandis</i>) in West Africa. <i>IAWA Journal</i> , 2015 , 36, 409-427	2.3	3
74	Charcoal-inferred Holocene fire and vegetation history linked to drought periods in the Democratic Republic of Congo. <i>Global Change Biology</i> , 2015 , 21, 2296-308	11.4	21
73	How to catch the patch? A dendrometer study of the radial increment through successive cambia in the mangrove <i>Avicennia</i> . <i>Annals of Botany</i> , 2014 , 113, 741-52	4.1	27
72	Dendrochronological Potential in a Semi-Deciduous Rainforest: The Case of <i>Pericopsis elata</i> in Central Africa. <i>Forests</i> , 2014 , 5, 3087-3106	2.8	13

71	Effects of experimental sedimentation on the phenological dynamics and leaf traits of replanted mangroves at Gazi bay, Kenya. <i>Ecology and Evolution</i> , 2014 , 4, 3187-200	2.8	13
70	The olive-branch dating of the Santorini eruption. <i>Antiquity</i> , 2014 , 88, 267-273	1	19
69	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
68	Size of conducting phloem: The key factor for bark recovery of 12 tropical medicinal tree species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013 , 208, 111-117	1.9	8
67	Conventional tree height-diameter relationships significantly overestimate aboveground carbon stocks in the Central Congo Basin. <i>Nature Communications</i> , 2013 , 4, 2269	17.4	81
66	Ancient charcoal as a natural archive for paleofire regime and vegetation change in the Mayumbe, Democratic Republic of the Congo. <i>Quaternary Research</i> , 2013 , 80, 326-340	1.9	19
65	Tree-ring analysis of an African long-lived pioneer species as a tool for sustainable forest management. <i>Forest Ecology and Management</i> , 2013 , 304, 417-426	3.9	27
64	Influence of drought on tree rings and tracheid features of <i>Pinus nigra</i> and <i>Pinus sylvestris</i> in a mesic Mediterranean forest. <i>European Journal of Forest Research</i> , 2013 , 132, 33-45	2.7	112
63	A tree-ring based comparison of <i>Terminalia superba</i> climate-growth relationships in West and Central Africa. <i>Trees - Structure and Function</i> , 2013 , 27, 1225-1238	2.6	34
62	Archaeological charcoals as archives for firewood preferences and vegetation composition during the late Holocene in the southern Mayumbe, Democratic Republic of the Congo (DRC). <i>Vegetation History and Archaeobotany</i> , 2013 , 23, 591	2.6	2
61	Complementary Imaging Techniques for Charcoal Examination and Identification. <i>IAWA Journal</i> , 2013 , 34, 147-168	2.3	13
60	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
59	Olive tree-ring problematic dating: a comparative analysis on Santorini (Greece). <i>PLoS ONE</i> , 2013 , 8, e54730	3.7	46
58	Charcoal identification in species-rich biomes: A protocol for Central Africa optimised for the Mayumbe forest. <i>Review of Palaeobotany and Palynology</i> , 2012 , 171, 164-178	1.7	27
57	Geographically differentiating morphology of genetically similar dogroses: consequences of canina meiosis. <i>Plant Systematics and Evolution</i> , 2012 , 298, 1733-1742	1.3	2
56	Fluctuations of cambial activity in relation to precipitation result in annual rings and intra-annual growth zones of xylem and phloem in teak (<i>Tectona grandis</i>) in Ivory Coast. <i>Annals of Botany</i> , 2012 , 110, 861-73	4.1	50
55	Cambial growth season of brevi-deciduous <i>Brachystegia spiciformis</i> trees from south central Africa restricted to less than four months. <i>PLoS ONE</i> , 2012 , 7, e47364	3.7	40
54	A Structural and Compositional Analysis of Intervessel pit Membranes in the Sapwood of some Mangrove Woods. <i>IAWA Journal</i> , 2012 , 33, 243-256	2.3	6

53	Successive cambia: a developmental oddity or an adaptive structure?. <i>PLoS ONE</i> , 2011 , 6, e16558	3.7	51
52	A combination of fruit and leaf morphology enables taxonomic classification of the complex <i>Q. robur</i> L. f. x <i>rosacea</i> Bechst. f. <i>petraea</i> (Matt.) Liebl. in autochthonous stands in Flanders. <i>Silvae Genetica</i> , 2011 , 60, 139-148	1.1	5
51	Mangrove growth rings: fact or fiction?. <i>Trees - Structure and Function</i> , 2011 , 25, 49-58	2.6	27
50	Dendrochronology in the dry tropics: the Ethiopian case. <i>Trees - Structure and Function</i> , 2011 , 25, 345-354	4.6	44
49	The potential of using xylarium wood samples for wood density calculations: a comparison of approaches for volume measurement. <i>IForest</i> , 2011 , 4, 150-159	1.3	12
48	High-resolution proxies for wood density variations in <i>Terminalia superba</i> . <i>Annals of Botany</i> , 2011 , 107, 293-302	4.1	39
47	Species-Specific Growth Responses to Climate Variations in Understory Trees of a Central African Rain Forest. <i>Biotropica</i> , 2010 , 42, 503-511	2.3	38
46	Tyloses and phenolic deposits in xylem vessels impede water transport in low-lignin transgenic poplars: a study by cryo-fluorescence microscopy. <i>Plant Physiology</i> , 2010 , 154, 887-98	6.6	79
45	Climate/growth relationships of <i>Brachystegia spiciformis</i> from the miombo woodland in south central Africa. <i>Dendrochronologia</i> , 2010 , 28, 161-171	2.8	42
44	The potential of plantations of <i>Terminalia superba</i> Engl. & Diels for wood and biomass production (Mayombe Forest, Democratic Republic of Congo). <i>Annals of Forest Science</i> , 2010 , 67, 501-501	3.1	3
43	Wound reaction after bark harvesting: microscopic and macroscopic phenomena in ten medicinal tree species (Benin). <i>Trees - Structure and Function</i> , 2010 , 24, 941-951	2.6	15
42	What is disjunctive xylem parenchyma? A case study of the African tropical hardwood <i>Okoubaka aubrevillei</i> (Santalaceae). <i>American Journal of Botany</i> , 2009 , 96, 1399-408	2.7	4
41	Evidence for repeated re-activation of old landslides under forest. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 352-365	3.7	44
40	A safe hydraulic architecture as wood anatomical explanation for the difference in distribution of the mangroves <i>Avicennia</i> and <i>Rhizophora</i> . <i>Functional Ecology</i> , 2009 , 23, 649-657	5.6	55
39	Herb layer changes (1954-2000) related to the conversion of coppice-with-standards forest and soil acidification. <i>Applied Vegetation Science</i> , 2009 , 12, 187-197	3.3	86
38	Oaks, tree-rings and wooden cultural heritage: a review of the main characteristics and applications of oak dendrochronology in Europe. <i>Journal of Archaeological Science</i> , 2009 , 36, 1-11	2.9	164
37	Nature and Periodicity of Growth Rings in two Bangladeshi Mangrove Species. <i>IAWA Journal</i> , 2008 , 29, 265-276	2.3	29
36	Intervessel pit structure and histochemistry of two mangrove species as revealed by cellular UV microspectrophotometry and electron microscopy: intraspecific variation and functional significance. <i>Microscopy and Microanalysis</i> , 2008 , 14, 387-97	0.5	15

35	A patchy growth via successive and simultaneous cambia: key to success of the most widespread mangrove species <i>Avicennia marina</i> ?. <i>Annals of Botany</i> , 2008 , 101, 49-58	4.1	42
34	Long-term dynamics in a planted conifer forest with spontaneous ingrowth of broad-leaved trees. <i>Applied Vegetation Science</i> , 2007 , 10, 219-228	3.3	12
33	Comparative anatomy of intervessel pits in two mangrove species growing along a natural salinity gradient in Gazi bay, Kenya. <i>Annals of Botany</i> , 2007 , 100, 271-81	4.1	26
32	Successive cambia development in <i>Avicennia marina</i> (Forssk.) Vierh. is not climatically driven in the seasonal climate at Gazi Bay, Kenya. <i>Dendrochronologia</i> , 2007 , 25, 87-96	2.8	27
31	Influence of a salinity gradient on the vessel characters of the mangrove species <i>Rhizophora mucronata</i> . <i>Annals of Botany</i> , 2006 , 98, 1321-30	4.1	50
30	Annual Growth Ring Patterns in <i>Brachystegia spiciformis</i> Reveal Influence of Precipitation on Tree Growth. <i>Biotropica</i> , 2006 , 38, 375-382	2.3	47
29	Planning tree species diversification in Kenya based on differences in tree species composition between farms. I. Analysis of tree uses. <i>Agroforestry Systems</i> , 2006 , 67, 215-228	2	15
28	Planning tree species diversification in Kenya based on differences in tree species composition between farms. II. Analysis of tree niches.. <i>Agroforestry Systems</i> , 2006 , 67, 229-241	2	5
27	Dendrochronology in suboptimal conditions: tree rings from medieval oak from Flanders (Belgium) as dating tools and archives of past forest management. <i>Vegetation History and Archaeobotany</i> , 2006 , 15, 137-144	2.6	26
26	Provenancing Baltic timber from art historical objects: success and limitations. <i>Journal of Archaeological Science</i> , 2005 , 32, 261-271	2.9	78
25	Comparison between $\delta^{13}C$ of cellulose and bulk wood in the mangrove tree <i>Rhizophora mucronata</i> : Implications for dendrochemistry. <i>Chemical Geology</i> , 2005 , 219, 275-282	4.2	54
24	High-resolution time series of vessel density in Kenyan mangrove trees reveal a link with climate. <i>New Phytologist</i> , 2005 , 167, 425-35	9.8	74
23	Growth trends reveal the forest structure during Roman and Medieval times in Western Europe: a comparison between archaeological and actual oak ring series (<i>Quercus robur</i> and <i>Quercus petraea</i>). <i>Annals of Forest Science</i> , 2005 , 62, 797-805	3.1	42
22	Molecular changes associated with the setting up of secondary growth in aspen. <i>Journal of Experimental Botany</i> , 2005 , 56, 2211-27	7	36
21	The initial history of bananas in Africa. A reply to Jan Vansina, <i>Azania</i> , 2003. <i>Azania</i> , 2005 , 40, 128-135	0.7	8
20	Late Gothic Altarpieces as Sources of Information on Medieval Wood Use: A Dendrochronological and Art Historical Survey. <i>IAWA Journal</i> , 2005 , 26, 273-298	2.3	10
19	Growth rings, growth ring formation and age determination in the mangrove <i>Rhizophora mucronata</i> . <i>Annals of Botany</i> , 2004 , 94, 59-66	4.1	71
18	Annual cyclicality in high-resolution stable carbon and oxygen isotope ratios in the wood of the mangrove tree <i>Rhizophora mucronata</i> . <i>Plant, Cell and Environment</i> , 2004 , 27, 1525-1536	8.4	96

17	Climatic signals in tree rings of <i>Burkea africana</i> and <i>Pterocarpus angolensis</i> from semiarid forests in Namibia. <i>Trees - Structure and Function</i> , 2004 , 18, 442	2.6	92
16	A SURVEY OF THE SYSTEMATIC WOOD ANATOMY OF THE RUBIACEAE. <i>IAWA Journal</i> , 2002 , 23, 1-67	2.3	24
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14	TREE RING ANALYSIS OF BRACHYSTEGLIA SPICIFORMIS AND ISOBERLINIA TOMENTOSA: EVALUATION OF THE ENSO-SIGNAL IN THE MIOMBO WOODLAND OF EASTERN AFRICA. <i>IAWA Journal</i> , 2001 , 22, 385-399	2.3	33
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