Wannes Hubau

List of Publications by Year
in descending order

39 papers	2,301 citations	304701 22 h-index	315719 38 g-index
40 all docs	40 docs citations	40 times ranked	4522 citing authors

#	Article	IF	Citations
1	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	27.8	439
2	Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56.	9.5	265
3	Diversity and carbon storage across the tropical forest biome. Scientific Reports, 2017, 7, 39102.	3.3	251
4	Long-term thermal sensitivity of Earthâ€™s tropical forests. Science, 2020, 368, 869-874.	12.6	198
5	Long-term carbon sink in Borneoâ€™s forests halted by drought and vulnerable to edge effects. Nature Communications, 2017, 8, 1966.	12.8	116
6	Field methods for sampling tree height for tropical forest biomass estimation. Methods in Ecology and Evolution, 2018, 9, 1179-1189.	5.2	78
7	Panâ€tropical prediction of forest structure from the largest trees. Global Ecology and Biogeography, 2018, 27, 1366-1383.	5.8	78
8	Drier tropical forests are susceptible to functional changes in response to a longâ€term drought. Ecology Letters, 2019, 22, 855-865.	6.4	75
9	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849.	4.1	71
10	High aboveground carbon stock of African tropical montane forests. Nature, 2021, 596, 536-542.	27.8	65
11	The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514.	5.8	62
12	Long-term droughts may drive drier tropical forests towards increased functional, taxonomic and phylogenetic homogeneity. Nature Communications, 2020, 11, 3346.	12.8	61
13	Late Holocene forest contraction and fragmentation in central Africa. Quaternary Research, 2018, 89, 43-59.	1.7	53
14	sPlotOpen â€“ An environmentally balanced, openâ€access, global dataset of vegetation plots. Global Ecology and Biogeography, 2021, 30, 1740-1764.	5.8	49
15	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	5.3	44
16	A tree-ring based comparison of Terminalia superba climateâ€“growth relationships in West and Central Africa. Trees - Structure and Function, 2013, 27, 1225-1238.	1.9	43
17	The persistence of carbon in the African forest understory. Nature Plants, 2019, 5, 133-140.	9.3	41
18	Resistance of African tropical forests to an extreme climate anomaly. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	37

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19	Charcoal identification in species-rich biomes: A protocol for Central Africa optimised for the Mayumbe forest. Review of Palaeobotany and Palynology, 2012, 171, 164-178.	1.5	32
20	Population collapse in Congo rainforest from 400 CE urges reassessment of the Bantu Expansion. Science Advances, 2021, 7, .	10.3	30
21	Ancient charcoal as a natural archive for paleofire regime and vegetation change in the Mayumbe, Democratic Republic of the Congo. Quaternary Research, 2013, 80, 326-340.	1.7	26
22	Charcoalâ€inferred Holocene fire and vegetation history linked to drought periods in the Democratic Republic of Congo. Global Change Biology, 2015, 21, 2296-2308.	9.5	26
23	Longâ€term recovery of the functional community assembly and carbon pools in an African tropical forest succession. Biotropica, 2019, 51, 319-329.	1.6	23
24	Earth System Models Are Not Capturing Presentâ€Day Tropical Forest Carbon Dynamics. Earth's Future, 2021, 9, e2020EF001874.	6.3	22
25	How Tightly Linked Are Pericopsis elata (Fabaceae) Patches to Anthropogenic Disturbances in Southeastern Cameroon?. Forests, 2015, 6, 293-310.	2.1	20
26	Wood Density Profiles and Their Corresponding Tissue Fractions in Tropical Angiosperm Trees. Forests, 2018, 9, 763.	2.1	18
27	Complementary Imaging Techniques for Charcoal Examination and Identification. IAWA Journal, 2013, 34, 147-168.	2.7	16
28	Forests and rivers: The archaeology of the north eastern Congo. Quaternary International, 2017, 448, 95-116.	1.5	12
29	Height-diameter allometric equations of an emergent tree species from the Congo Basin. Forest Ecology and Management, 2022, 504, 119822.	3.2	9
30	The earliest iron-producing communities in the Lower Congo region of Central Africa: new insights from the Bu, Kindu and Mantsetsi sites. Azania, 2019, 54, 221-244.	0.9	7
31	Asynchronous leaf and cambial phenology in a tree species of the Congo Basin requires spaceâ€"time conversion of wood traits. Annals of Botany, 2019, 124, 245-253.	2.9	7
32	Une forte saisonnalitÃ© du climat et de la phÃ©nologie reproductive dans la forÃªt du Mayombe : lâ€™apport des donnÃ©es historiques de la RÃ©serve de Luki en RÃ©publique dÃ©mocratique du Congo. Bois Et Forets Des Tropiques, 0, 341, 39.	0.2	6
33	Spatial patterns of lightâ€demanding tree species in the Yangambi rainforest (Democratic Republic of) Tj ETQq1 1 0.784314 rgBT /Overl	1.9	6
34	The potential of plantations of Terminalia superba Engl. & Diels for wood and biomass production (Mayombe Forest, Democratic Republic of Congo). Annals of Forest Science, 2010, 67, 501-501.	2.0	5
35	Archaeological charcoals as archives for firewood preferences and vegetation composition during the late Holocene in the southern Mayumbe, Democratic Republic of the Congo (DRC). Vegetation History and Archaeobotany, 2014, 23, 591.	2.1	3
36	Towards improving the assessment of rainforest carbon: Complementary evidence from repeated diameter measurements and dated wood. Dendrochronologia, 2020, 62, 125723.	2.2	2

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37	Enjeux et amÃ©lioration de la gestion des espÃ¨ces du genre Entandrophragma, arbres africains devenus vulnÃ©rables. Bois Et Forets Des Tropiques, 0, 339, 75.	0.2	2
38	When xylarium and herbarium meet: linking Tervuren xylarium wood samples with their herbarium specimens at Meise Botanic Garden. Biodiversity Data Journal, 2021, 9, e62329.	0.8	1
39	Variation in Onset of Leaf Unfolding and Wood Formation in a Central African Tropical Tree Species. Frontiers in Forests and Global Change, 2021, 4, .	2.3	1