

David Kenfack

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.

93
papers

4,438
citations

30
h-index

66
g-index

100
ext. papers

5,515
ext. citations

7
avg, IF

4.53
L-index

#	Paper	IF	Citations
93	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022 , 270, 112845	13.2	11
92	Distribution of biomass dynamics in relation to tree size in forests across the world.. <i>New Phytologist</i> , 2022 ,	9.8	2
91	Gradients in the Diversity of Plants and Large Herbivores Revealed with DNA Barcoding in a Semi-Arid African Savanna. <i>Diversity</i> , 2022 , 14, 219	2.5	1
90	The Efficiency of DNA Barcoding in the Identification of Afrotropical Forest Tree Species. <i>Diversity</i> , 2022 , 14, 233	2.5	1
89	Interactions between all pairs of neighboring trees in 16 forests worldwide reveal details of unique ecological processes in each forest, and provide windows into their evolutionary histories. <i>PLoS Computational Biology</i> , 2021 , 17, e1008853	5	1
88	Understanding the monodominance of <i>Acacia drepanolobium</i> in East African savannas: insights from demographic data. <i>Trees - Structure and Function</i> , 2021 , 35, 1439-1450	2.6	
87	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021 , 12, 3137	17.4	3
86	Savanna woody plants responses to mammalian herbivory and implications for management of livestock-wildlife landscape. <i>Ecological Solutions and Evidence</i> , 2021 , 2, e12083	2.1	1
85	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021 , 253, 108907	6.2	36
84	Fine-scale habitat heterogeneity influences browsing damage by elephant and giraffe. <i>Biotropica</i> , 2021 , 53, 86-96	2.3	3
83	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021 , 596, 536-542	50.4	10
82	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
81	The NASA AfriSAR campaign: Airborne SAR and lidar measurements of tropical forest structure and biomass in support of current and future space missions. <i>Remote Sensing of Environment</i> , 2021 , 264, 112533	13.2	9
80	Soil nitrogen concentration mediates the relationship between leguminous trees and neighbor diversity in tropical forests. <i>Communications Biology</i> , 2020 , 3, 317	6.7	10
79	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202
78	A map of African humid tropical forest aboveground biomass derived from management inventories. <i>Scientific Data</i> , 2020 , 7, 221	8.2	10
77	Afrotropical Forest Diversity and the Role of Grassland-Forest Transition in Tree Species Distribution. <i>Diversity</i> , 2020 , 12, 30	2.5	10

76	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. <i>Ecology Letters</i> , 2020 , 23, 160-171	10	3
75	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1799-1816	6.1	19
74	A simulation method to infer tree allometry and forest structure from airborne laser scanning and forest inventories. <i>Remote Sensing of Environment</i> , 2020 , 251, 112056	13.2	10
73	Determinants of spatial patterns of canopy tree species in a tropical evergreen forest in Gabon. <i>Journal of Vegetation Science</i> , 2019 , 30, 929-939	3.1	9
72	Environment- and trait-mediated scaling of tree occupancy in forests worldwide. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1155	6.1	
71	Effect of local topographic heterogeneity on tree species assembly in an Acacia-dominated African savanna. <i>Journal of Tropical Ecology</i> , 2019 , 35, 46-56	1.3	7
70	Exploring the relation between remotely sensed vertical canopy structure and tree species diversity in Gabon. <i>Environmental Research Letters</i> , 2019 , 14, 094013	6.2	11
69	Vegetation, floristic composition and structure of a tropical montane forest in Cameroon. <i>Bothalia</i> , 2019 , 49,	1.2	4
68	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. <i>Ecology Letters</i> , 2019 , 22, 245-255	10	30
67	Polygyny does not explain the superior competitive ability of dominant ant associates in the African ant-plant, (). <i>Ecology and Evolution</i> , 2018 , 8, 1441-1450	2.8	7
66	Why do microbes exhibit weak biogeographic patterns?. <i>ISME Journal</i> , 2018 , 12, 1404-1413	11.9	73
65	In Situ Reference Datasets From the TropiSAR and AfriSAR Campaigns in Support of Upcoming Spaceborne Biomass Missions. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 3617-3627	4.7	33
64	Global importance of large-diameter trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 849-864	6.1	185
63	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1436-1443	4.3	23
62	The genus Cola (Malvaceae) in Cameroon—Korup National Park, with two novelties. <i>Plant Ecology and Evolution</i> , 2018 , 151, 241-251	1.6	1
61	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
60	Response to Comment on "Plant diversity increases with the strength of negative density dependence at the global scale". <i>Science</i> , 2018 , 360,	33.3	4
59	Response to Comment on "Plant diversity increases with the strength of negative density dependence at the global scale". <i>Science</i> , 2018 , 360,	33.3	7

58	Phylogenetic composition and structure of tree communities shed light on historical processes influencing tropical rainforest diversity. <i>Ecography</i> , 2017 , 40, 521-530	6.5	20
57	Floristic and structural changes in secondary forests following agricultural disturbances: the case of Lama forest reserve in Southern Benin. <i>International Journal of Biological and Chemical Sciences</i> , 2017 , 10, 1602	0.3	
56	Toward a general tropical forest biomass prediction model from very high resolution optical satellite images. <i>Remote Sensing of Environment</i> , 2017 , 200, 140-153	13.2	35
55	Plant diversity increases with the strength of negative density dependence at the global scale. <i>Science</i> , 2017 , 356, 1389-1392	33.3	150
54	Shift in functional traits along soil fertility gradient reflects non-random community assembly in a tropical African rainforest. <i>Plant Ecology and Evolution</i> , 2017 , 150, 265-278	1.6	5
53	Five new species of Englerophytum K. Krause (Sapotaceae) from central Africa. <i>Candollea</i> , 2016 , 71, 287-305	3.5	3
52	Phylogenetic turnover along local environmental gradients in tropical forest communities. <i>Oecologia</i> , 2016 , 182, 547-57	2.9	8
51	Ecological Importance of Small-Diameter Trees to the Structure, Diversity and Biomass of a Tropical Evergreen Forest at Rabi, Gabon. <i>PLoS ONE</i> , 2016 , 11, e0154988	3.7	34
50	Closing a gap in tropical forest biomass estimation: taking crown mass variation into account in pantropical allometries. <i>Biogeosciences</i> , 2016 , 13, 1571-1585	4.6	47
49	Limited carbon and biodiversity co-benefits for tropical forest mammals and birds 2016 , 26, 1098-1111		27
48	Contrasting effects of defaunation on aboveground carbon storage across the global tropics. <i>Nature Communications</i> , 2016 , 7, 11351	17.4	61
47	Tracing innovation pathways in the management of natural and social capital on Laikipia Maasai Group Ranches, Kenya. <i>Pastoralism</i> , 2016 , 6,	2.9	7
46	Gambeya korupensis (Sapotaceae: Chrysophylloideae), a new rain forest tree species from the Southwest Region in Cameroon. <i>Kew Bulletin</i> , 2016 , 71, 1	0.5	1
45	Kihansia jengiensis, a new species of Triuridaceae from southeastern Cameroon. <i>Kew Bulletin</i> , 2015 , 70, 1	0.5	
44	CTFS-ForestGEO: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015 , 21, 528-49	11.4	368
43	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
42	Limited carbon and biodiversity co-benefits for tropical forest mammals and birds 2015 ,		3
41	The Tropical African Genus <i>Crotonogynopsis</i> (Euphorbiaceae), with Two New Species. <i>Novon</i> , 2015 , 24, 246-255	0.7	1

40	Prevalence of phylogenetic clustering at multiple scales in an African rain forest tree community. <i>Journal of Ecology</i> , 2014 , 102, 1008-1016	6	27
39	Temporal variability of forest communities: empirical estimates of population change in 4000 tree species. <i>Ecology Letters</i> , 2014 , 17, 855-65	10	84
38	Rate of tree carbon accumulation increases continuously with tree size. <i>Nature</i> , 2014 , 507, 90-3	50.4	509
37	Liana abundance and diversity in Cameroon's Korup National Park 2014 , 11-22		6
36	Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. <i>Biogeosciences</i> , 2014 , 11, 6827-6840	4.6	70
35	Extranuptial nectaries in <i>Carapa</i> Aubl. (Meliaceae-Cedreloideae). <i>Adansonia</i> , 2014 , 36, 335-349	0.2	1
34	Demographic variation and habitat specialization of tree species in a diverse tropical forest of Cameroon. <i>Forest Ecosystems</i> , 2014 , 1,	3.8	13
33	Biogeographical patterns of liana abundance and diversity 2014 , 131-146		30
32	Field and Morphometric Studies of <i>Phyllobotryon</i> Müll.Arg. (Salicaceae) in the Korup Forest Area of Cameroon. <i>Adansonia</i> , 2014 , 36, 303-313	0.2	3
31	A taxonomic comparison of local habitat niches of tropical trees. <i>Oecologia</i> , 2013 , 173, 1491-8	2.9	22
30	Scale-dependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013 , 101, 1214-1224	6	199
29	Two new species of <i>Afrothismia</i> (Thismiaceae) from southern Cameroon. <i>Kew Bulletin</i> , 2013 , 68, 591-597.5	0.5	3
28	A phylogenetic perspective on the individual species-area relationship in temperate and tropical tree communities. <i>PLoS ONE</i> , 2013 , 8, e63192	3.7	11
27	Habitat filtering across tree life stages in tropical forest communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20130548	4.4	81
26	Soil resources and topography shape local tree community structure in tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122532	4.4	148
25	How effective are DNA barcodes in the identification of African rainforest trees?. <i>PLoS ONE</i> , 2013 , 8, e54921	3.7	67
24	The variation of tree beta diversity across a global network of forest plots. <i>Global Ecology and Biogeography</i> , 2012 , 21, 1191-1202	6.1	114
23	Testing species delimitation in sympatric species complexes: the case of an African tropical tree, <i>Carapa</i> spp. (Meliaceae). <i>Molecular Phylogenetics and Evolution</i> , 2012 , 62, 275-85	4.1	59

22	Two New Species of Carapa (Meliaceae) From Western Ecuador. <i>Systematic Botany</i> , 2011 , 36, 124-128	0.7	4
21	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
20	Resurrection in Carapa (Meliaceae): a reassessment of morphological variation and species boundaries using multivariate methods in a phylogenetic context. <i>Botanical Journal of the Linnean Society</i> , 2011 , 165, 186-221	2.2	19
19	Habitat specificity and diversity of tree species in an African wet tropical forest. <i>Plant Ecology</i> , 2011 , 212, 1363-1374	1.7	46
18	Carapa vasquezii (Meliaceae), a new species from western Amazonia. <i>Brittonia</i> , 2011 , 63, 7-10	0.5	4
17	A Synoptic Revision of Carapa (Meliaceae). <i>Harvard Papers in Botany</i> , 2011 , 16, 171-231	0.3	19
16	Cassipourea atanganaesp. nov., a new species of Rhizophoraceae from Lower Guinea. <i>Adansonia</i> , 2011 , 33, 209-213	0.2	
15	Annual Rainfall and Seasonality Predict Pan-tropical Patterns of Liana Density and Basal Area. <i>Biotropica</i> , 2010 , 42, 309-317	2.3	117
14	Le buile de carapa (Carapaspp., Meliaceae) en Afrique de l'Ouest : utilisations et implications dans la conservation des peuplements naturels. <i>Fruits</i> , 2010 , 65, 343-354	0.3	16
13	A new species of Carapa (Meliaceae) from Central Guyana. <i>Brittonia</i> , 2009 , 61, 366-374	0.5	4
12	Isolation and characterization of 15 polymorphic microsatellite loci in Tetragastris panamensis (Burseraceae), a widespread Neotropical forest tree. <i>Conservation Genetics Resources</i> , 2009 , 1, 385-387	0.8	1
11	A general framework for the distance-decay of similarity in ecological communities. <i>Ecology Letters</i> , 2008 , 11, 904-17	10	241
10	An extraordinary new rheophyte in the genus Leptactina (Rubiaceae, Pavetteae) from Rio Muni (Equatorial Guinea). <i>Botanical Journal of the Linnean Society</i> , 2007 , 153, 109-113	2.2	3
9	Rarity and abundance in a diverse African forest. <i>Biodiversity and Conservation</i> , 2007 , 16, 2045-2074	3.4	56
8	Contrasting structure and composition of the understory in species-rich tropical rain forests. <i>Ecology</i> , 2006 , 87, 2298-305	4.6	44
7	A New Species of Cassipourea (Rhizophoraceae) from Western Cameroon. <i>Novon</i> , 2006 , 16, 61-64	0.7	5
6	Testing metabolic ecology theory for allometric scaling of tree size, growth and mortality in tropical forests. <i>Ecology Letters</i> , 2006 , 9, 575-88	10	230
5	Comparing tropical forest tree size distributions with the predictions of metabolic ecology and equilibrium models. <i>Ecology Letters</i> , 2006 , 9, 589-602	10	144

4	A Standard Protocol for Liana Censuses ¹ . <i>Biotropica</i> , 2006 , 38, 256-261	2.3	157
3	<i>Manilkara lososiana</i> , a New Species of Sapotaceae from Cameroon. <i>Kew Bulletin</i> , 2004 , 59, 609	0.5	6
2	The Genus <i>Uvariopsis</i> (Annonaceae) in Tropical Africa, with a Recombination and One New Species from Cameroon. <i>Novon</i> , 2003 , 13, 443	0.7	16
1	Botanical Sampling Gaps Across the Cameroon Mountains. <i>Biodiversity Informatics</i> , 12,	2.9	4