Sylvie Gourlet-Fleury

List of Publications by Year
in descending order

31 papers	2,063 citations	361413 20 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	3713 citing authors

#	Article	IF	Citations
1	Sustaining conservation values in selectively logged tropical forests: the attained and the attainable. Conservation Letters, 2012, 5, 296-303.	5.7	439
2	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	27.8	439
3	Spatial validation reveals poor predictive performance of large-scale ecological mapping models. Nature Communications, 2020, 11, 4540.	12.8	232
4	Tropical forest recovery from logging: a 24 year silvicultural experiment from Central Africa. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120302.	4.0	110
5	Slow‑growing species cope best with drought: evidence from long‑term measurements in a tropical semi‑deciduous moist forest of <scp>C</scp>entral <scp>A</scp>frica. Journal of Ecology, 2013, 101, 1459-1470.	4.0	77
6	Geological Substrates Shape Tree Species and Trait Distributions in African Moist Forests. PLoS ONE, 2012, 7, e42381.	2.5	75
7	Environmental filtering of dense-wooded species controls above-ground biomass stored in African moist forests. Journal of Ecology, 2011, 99, 981-990.	4.0	72
8	Patterns of tree species composition across tropical African forests. Journal of Biogeography, 2014, 41, 2320-2331.	3.0	69
9	Grouping species for predicting mixed tropical forest dynamics: looking for a strategy. Annals of Forest Science, 2005, 62, 785-796.	2.0	58
10	Unveiling African rainforest composition and vulnerability to global change. Nature, 2021, 593, 90-94.	27.8	53
11	Regional variation in tropical forest tree species composition in the Central African Republic: an assessment based on inventories by forest companies. Journal of Tropical Ecology, 2008, 24, 663-674.	1.1	51
12	Present-day central African forest is a legacy of the 19th century human history. ELife, 2017, 6, .	6.0	46
13	New Evidence of Human Activities During the Holocene in the Lowland Forests of the Northern Congo Basin. Radiocarbon, 2014, 56, 209-220.	1.8	44
14	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	5.3	44
15	Floristic evidence for alternative biome states in tropical Africa. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28183-28190.	7.1	41
16	Detecting large-scale diversity patterns in tropical trees: Can we trust commercial forest inventories?. Forest Ecology and Management, 2011, 261, 187-194.	3.2	30
17	Pantropical variability in tree crown allometry. Global Ecology and Biogeography, 2021, 30, 459-475.	5.8	27
18	The determinants of tropical forest deciduousness: disentangling the effects of rainfall and geology in central Africa. Journal of Ecology, 2016, 104, 924-935.	4.0	26

#	Article	IF	Citations
19	Tropical tree assembly depends on the interactions between successional and soil filtering processes. Global Ecology and Biogeography, 2014, 23, 1440-1449.	5.8	22
20	Clustering species using a model of population dynamics and aggregation theory. Ecological Modelling, 2010, 221, 152-160.	2.5	20
21	A map of African humid tropical forest aboveground biomass derived from management inventories. Scientific Data, 2020, 7, 221.	5.3	16
22	Architectural differences associated with functional traits among 45 coexisting tree species in Central Africa. Functional Ecology, 2018, 32, 2583-2593.	3.6	15
23	What controls local-scale aboveground biomass variation in central Africa? Testing structural, composition and architectural attributes. Forest Ecology and Management, 2018, 429, 570-578.	3.2	14
24	Climate change would lead to a sharp acceleration of Central African forests dynamics by the end of the century. Environmental Research Letters, 2019, 14, 044002.	5.2	12
25	Growth determinants of timber species Triplochiton scleroxylon and implications for forest management in central Africa. Forest Ecology and Management, 2019, 437, 211-221.	3.2	9
26	Mixture of inhomogeneous matrix models for species‑rich ecosystems. Environmetrics, 2015, 26, 39-51.	1.4	8
27	Stock recovery rates are not the panacea to assess timber yield sustainability: Evidence from managed Central African forests. Forest Ecology and Management, 2012, 281, 12-22.	3.2	4
28	Tree growth and mortality of 42 timber species in central Africa. Forest Ecology and Management, 2022, 505, 119889.	3.2	4
29	Population dynamics of species‑rich ecosystems: the mixture of matrix population models approach. Methods in Ecology and Evolution, 2013, 4, 316-326.	5.2	3
30	Linking Drone and Ground-Based Liana Measurements in a Congolese Forest. Frontiers in Forests and Global Change, 2022, 5, .	2.3	2
31	<i>Macrotermes</i> termite mounds influence the spatial pattern of tree species in two African rainforest sites, in northern Congo. But were they really forests in the past?. Journal of Tropical Ecology, 2022, 38, 267-274.	1.1	1