Lilian Blanc

List of Publications by Citations

52 papers	4,145 citations	30 h-index	57 g-index
57 ext. papers	4,795 ext. citations	7.2 avg, IF	4.48 L-index

#	Paper	IF	Citations
52	Drought sensitivity of the Amazon rainforest. *Science*, **2009**, 323, 1344-7	33.3	1213
51	Drought-mortality relationships for tropical forests. *New Phytologist*, **2010**, 187, 631-46	9.8	400
50	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. *Global Ecology and Biogeography*, **2013**, 22, 1261-1271	6.1	280
49	An estimate of the number of tropical tree species. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7472-7	11.5	258
48	Disentangling stand and environmental correlates of aboveground biomass in Amazonian forests. *Global Change Biology*, **2011**, 17, 2677-2688	11.4	127
47	Higher treefall rates on slopes and waterlogged soils result in lower stand biomass and productivity in a tropical rain forest. *Journal of Ecology*, **2010**, 98, 106-116	6	119
46	Dynamics of aboveground carbon stocks in a selectively logged tropical forest **2009**, 19, 1397-404		98
45	Error propagation in biomass estimation in tropical forests. *Methods in Ecology and Evolution*, **2013**, 4, 175-183	7.7	96
44	Long-term thermal sensitivity of Earth's tropical forests. *Science*, **2020**, 368, 869-874	33.3	92
43	Large trees as key elements of carbon storage and dynamics after selective logging in the Eastern Amazon. *Forest Ecology and Management*, **2014**, 318, 103-109	3.9	82
42	Contrasting taxonomic and functional responses of a tropical tree community to selective logging. *Journal of Applied Ecology*, **2012**, 49, 861-870	5.8	81
41	Using repeated small-footprint LiDAR acquisitions to infer spatial and temporal variations of a high-biomass Neotropical forest. *Remote Sensing of Environment*, **2015**, 169, 93-101	13.2	79
40	Rapid tree carbon stock recovery in managed Amazonian forests. *Current Biology*, **2015**, 25, R787-8	6.3	73
39	Impact of selective logging on genetic composition and demographic structure of four tropical tree species. *Biological Conservation*, **2006**, 131, 386-401	6.2	72
38	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. *Global Change Biology*, **2009**, 15, 2418-2430	11.4	70
37	The TropiSAR Airborne Campaign in French Guiana: Objectives, Description, and Observed Temporal Behavior of the Backscatter Signal. *IEEE Transactions on Geoscience and Remote Sensing*, **2012**, 50, 3228-3241	8.1	65
36	Growth responses of neotropical trees to logging gaps. *Journal of Applied Ecology*, **2010**, 47, 821-831	5.8	61

35	Structure, floristic composition and natural regeneration in the forests of Cat Tien National Park, Vietnam: an analysis of the successional trends. *Journal of Biogeography*, **2000**, 27, 141-157	4.1	60
34	Seasonal water stress tolerance and habitat associations within four neotropical tree genera. *Ecology*, **2007**, 88, 478-89	4.6	58
33	Nutrient-cycling mechanisms other than the direct absorption from soil may control forest structure and dynamics in poor Amazonian soils. *Scientific Reports*, **2017**, 7, 45017	4.9	53
32	Modeling decay rates of dead wood in a neotropical forest. *Oecologia*, **2010**, 164, 243-51	2.9	52
31	Accuracy of small footprint airborne LiDAR in its predictions of tropical moist forest stand structure. *Remote Sensing of Environment*, **2012**, 125, 23-33	13.2	51
30	Rapid Simultaneous Estimation of Aboveground Biomass and Tree Diversity Across Neotropical Forests: A Comparison of Field Inventory Methods. *Biotropica*, **2013**, 45, 288-298	2.3	49
29	Grouping species for predicting mixed tropical forest dynamics: looking for a strategy. *Annals of Forest Science*, **2005**, 62, 785-796	3.1	49
28	Evaluation of Sentinel-1 and 2 Time Series for Land Cover Classification of Forest–Agriculture Mosaics in Temperate and Tropical Landscapes. *Remote Sensing*, **2019**, 11, 979	5	48
27	Effects of Plot Size and Census Interval on Descriptors of Forest Structure and Dynamics. *Biotropica* , **2010**, 42, 664-671	2.3	46
26	Using models to predict recovery and assess tree species vulnerability in logged tropical forests: A case study from French Guiana. *Forest Ecology and Management*, **2005**, 209, 69-85	3.9	45
25	Contrasting above-ground biomass balance in a Neotropical rain forest. *Journal of Vegetation Science*, **2010**, 21, 672	3.1	42
24	The Tropical managed Forests Observatory: a research network addressing the future of tropical logged forests. *Applied Vegetation Science*, **2015**, 18, 171-174	3.3	40
23	Can timber provision from Amazonian production forests be sustainable?. *Environmental Research Letters*, **2019**, 14, 064014	6.2	33
22	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. *Scientific Data*, **2019**, 6, 198	8.2	29
21	Tree mode of death and mortality risk factors across Amazon forests. *Nature Communications*, **2020** , 11, 5515	17.4	24
20	Crown fragmentation assessment in tropical trees: Method, insights and perspectives. *Forest Ecology and Management*, **2011**, 261, 400-407	3.9	22
19	Assessing the ecological vulnerability of forest landscape to agricultural frontier expansion in the Central Highlands of Vietnam. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 84, 101958	7.3	22
18	The global abundance of tree palms. *Global Ecology and Biogeography*, **2020**, 29, 1495-1514	6.1	21

17	Multiple Patterns of Forest Disturbance and Logging Shape Forest Landscapes in Paragominas, Brazil. *Forests*, **2016**, 7, 315	2.8	20
16	The Potential of Multisource Remote Sensing for Mapping the Biomass of a Degraded Amazonian Forest. *Forests*, **2018**, 9, 303	2.8	19
15	Continuous soil carbon storage of old permanent pastures in Amazonia. *Global Change Biology*, **2017**, 23, 3382-3392	11.4	18
14	Comparative effectiveness of silvicultural interventions for increasing timber production and sustaining conservation values in natural tropical production forests. A systematic review protocol. *Environmental Evidence*, **2015**, 4,	3.3	15
13	Using textural analysis for regional landform and landscape mapping, Eastern Guiana Shield. *Geomorphology*, **2018**, 317, 23-44	4.3	13
12	UAV-based canopy textures assess changes in forest structure from long-term degradation. *Ecological Indicators*, **2020**, 115, 106386	5.8	10
11	TropiSAR: Exploring the temporal behavior of P-Band SAR data **2010**,		8
10	Rapid tree carbon stock recovery in managed Amazonian forests. *Current Biology*, **2015**, 25, 2738	6.3	6
9	Regeneration capacities of woody species biodiversity and soil properties in Miombo woodland after slash-and-burn agriculture in Mozambique. *Forest Ecology and Management*, **2021**, 488, 119039	3.9	6
8	From land productivity trends to land degradation assessment in Mozambique: Effects of climate, human activities and stakeholder definitions. *Land Degradation and Development*, **2021**, 32, 49-65	4.4	6
7	Cumulative disturbances to assess forest degradation using spectral unmixing in the northeastern Amazon. *Applied Vegetation Science*, **2019**, 22, 394	3.3	4
6	Is climate a stronger driver of tree growth than disturbance? A comment on Toledo et´al. (2011). *Journal of Ecology*, **2012**, 100, 1065-1068	6	2
5	Traitements sylvicoles en forêt tropicale guyanaise : bilan de dix ans d'expérimentations. *Bois Et Forets Des Tropiques*, **2009**, 301, 7		2
4	Response to Editor to the comment by Schipper & Smith to our paper entitled "Continuous soil carbon storage of old permanent pastures in Amazonia". *Global Change Biology*, **2018**, 24, e732-e733	11.4	1
3	Assessing the Causes of Tropical Forest Degradation Using Landsat Time Series: A Case Study in the Brazilian Amazon **2021**,		1
2	Remote Sensing and Measuring Deforestation **2016**, 27-53		1
1	How wildfires increase sensitivity of Amazon forests to droughts. *Environmental Research Letters*, **2022**, 17, 044031	6.2	0