Nicolas LabriÃ¨re

List of Publications by Year
in descending order

25 papers	1,444 citations	471509 17 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2789 citing authors

#	Article	IF	Citations
1	Soil erosion in the humid tropics: A systematic quantitative review. Agriculture, Ecosystems and Environment, 2015, 203, 127-139.	5.3	230
2	Long-term thermal sensitivity of Earth's tropical forests. Science, 2020, 368, 869-874.	12.6	198
3	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations. Earth System Science Data, 2021, 13, 3927-3950.	9.9	123
4	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. Remote Sensing of Environment, 2022, 270, 112845.	11.0	108
5	Ground Data are Essential for Biomass Remote Sensing Missions. Surveys in Geophysics, 2019, 40, 863-880.	4.6	91
6	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	86
7	Pan‑tropical prediction of forest structure from the largest trees. Global Ecology and Biogeography, 2018, 27, 1366-1383.	5.8	78
8	The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514.	5.8	62
9	Comparison of Small- and Large-Footprint Lidar Characterization of Tropical Forest Aboveground Structure and Biomass: A Case Study From Central Gabon. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3512-3526.	4.9	60
10	<i>In Situ</i> Reference Datasets From the TropiSAR and AfriSAR Campaigns in Support of Upcoming Spaceborne Biomass Missions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3617-3627.	4.9	49
11	A comprehensive framework for assessing the accuracy and uncertainty of global above-ground biomass maps. Remote Sensing of Environment, 2022, 272, 112917.	11.0	48
12	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	5.3	44
13	Distinguishing vegetation types with airborne waveform lidar data in a tropical forest-savanna mosaic: A case study in Lopé National Park, Gabon. Remote Sensing of Environment, 2018, 216, 626-634.	11.0	34
14	The Role of Forest Elephants in Shaping Tropical Forest–Savanna Coexistence. Ecosystems, 2020, 23, 602-616.	3.4	33
15	The NASA AfriSAR campaign: Airborne SAR and lidar measurements of tropical forest structure and biomass in support of current and future space missions. Remote Sensing of Environment, 2021, 264, 112533.	11.0	33
16	Evaluating the potential of full‑waveform lidar for mapping pan‑tropical tree species richness. Global Ecology and Biogeography, 2020, 29, 1799-1816.	5.8	31
17	Ecosystem Services and Biodiversity in a Rapidly Transforming Landscape in Northern Borneo. PLoS ONE, 2015, 10, e0140423.	2.5	29
18	Exploring the relation between remotely sensed vertical canopy structure and tree species diversity in Gabon. Environmental Research Letters, 2019, 14, 094013.	5.2	20

#	Article	IF	Citations
19	Venom toxicity and composition in three Pseudomyrmex ant species having different nesting modes. Toxicon, 2014, 88, 67-76.	1.6	19
20	Spatial congruence between carbon and biodiversity across forest landscapes of northern Borneo. Global Ecology and Conservation, 2016, 6, 105-120.	2.1	17
21	A simulation method to infer tree allometry and forest structure from airborne laser scanning and forest inventories. Remote Sensing of Environment, 2020, 251, 112056.	11.0	17
22	Nesting habits shape feeding preferences and predatory behavior in an ant genus. Die Naturwissenschaften, 2014, 101, 323-330.	1.6	16
23	Mapping of aboveground biomass in Gabon. Comptes Rendus - Geoscience, 2019, 351, 321-331.	1.2	11
24	Sentinel-1 Coherence for Mapping Above-Ground Biomass in Semiarid Forest Areas. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
25	Environmental determinants of leaf litter ant community composition along an elevational gradient. Biotropica, 2021, 53, 97-109.	1.6	2