

Benoit Burban

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,146
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

2862
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020, 368, 869-874.	12.6	198
2	Impact of severe dry season on net ecosystem exchange in the Neotropical rainforest of French Guiana. <i>Global Change Biology</i> , 2008, 14, 1917-1933.	9.5	195
3	The response of tropical rainforests to drought—lessons from recent research and future prospects. <i>Annals of Forest Science</i> , 2016, 73, 27-44.	2.0	123
4	Depth of soil water uptake by tropical rainforest trees during dry periods: does tree dimension matter?. <i>Oecologia</i> , 2013, 173, 1191-1201.	2.0	116
5	Interannual and Seasonal Variations in Ecosystem Transpiration and Water Use Efficiency in a Tropical Rainforest. <i>Forests</i> , 2019, 10, 14.	2.1	74
6	Evidence for strong seasonality in the carbon storage and carbon use efficiency of an Amazonian forest. <i>Global Change Biology</i> , 2014, 20, 979-991.	9.5	59
7	Seasonal variation in atmospheric relative humidity contributes to explaining seasonal variation in trunk circumference of tropical rain-forest trees in French Guiana. <i>Journal of Tropical Ecology</i> , 2010, 26, 393-405.	1.1	46
8	Impacts of Degradation on Water, Energy, and Carbon Cycling of the Amazon Tropical Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005677.	3.0	44
9	Influence of seasonal variations in soil water availability on gas exchange of tropical canopy trees. <i>Biotropica</i> , 2013, 45, 155-164.	1.6	31
10	Scaling leaf respiration with nitrogen and phosphorus in tropical forests across two continents. <i>New Phytologist</i> , 2017, 214, 1064-1077.	7.3	30
11	The surface-atmosphere exchange of carbon dioxide in tropical rainforests: Sensitivity to environmental drivers and flux measurement methodology. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 292-307.	4.8	29
12	Automatic high-frequency measurements of full soil greenhouse gas fluxes in a tropical forest. <i>Biogeosciences</i> , 2019, 16, 785-796.	3.3	27
13	Seasonal variations in stem CO ₂ efflux in the Neotropical rainforest of French Guiana. <i>Annals of Forest Science</i> , 2011, 68, 771-782.	2.0	23
14	There's no place like home: seedling mortality contributes to the habitat specialisation of tree species across Amazonia. <i>Ecology Letters</i> , 2016, 19, 1256-1266.	6.4	23
15	Dry-season decline in tree sapflux is correlated with leaf turgor loss point in a tropical rainforest. <i>Functional Ecology</i> , 2018, 32, 2285-2297.	3.6	22
16	Continuous soil carbon storage of old permanent pastures in Amazonia. <i>Global Change Biology</i> , 2017, 23, 3382-3392.	9.5	20
17	Water table depth modulates productivity and biomass across Amazonian forests. <i>Global Ecology and Biogeography</i> , 2022, 31, 1571-1588.	5.8	17
18	Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements. <i>Geoscientific Model Development</i> , 2021, 14, 3269-3294.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. <i>Oecologia</i> , 2019, 191, 519-530.	2.0	14
20	Validation of Space-Based Albedo Products from Upscaled Tower-Based Measurements Over Heterogeneous and Homogeneous Landscapes. <i>Remote Sensing</i> , 2020, 12, 833.	4.0	14
21	Simultaneous tree stem and soil greenhouse gas (CO ₂ , CH ₄ , N ₂ O) flux measurements: a novel design for continuous monitoring towards improving flux estimates and temporal resolution. <i>New Phytologist</i> , 2021, 230, 2487-2500.	7.3	14
22	The pantropical response of soil moisture to El Niño. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2303-2322.	4.9	11