Robinson I NegrÃ³n-JuÃ¡rez

List of Publications by Year
in descending order

42	1,618	346980 22	340414 39
papers	citations	h-index	g-index

53	53	53	3437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dry Season Transpiration and Soil Water Dynamics in the Central Amazon. Frontiers in Plant Science, 2022, 13, 825097.	1.7	4
2	Soil moisture thresholds explain a shift from light-limited to water-limited sap velocity in the Central Amazon during the 2015â€“16 El NiÃ±o drought. Environmental Research Letters, 2022, 17, 064023.	2.2	5
3	A reporting format for leaf-level gas exchange data and metadata. Ecological Informatics, 2021, 61, 101232.	2.3	22
4	Recovery of Forest Structure Following Large-Scale Windthrows in the Northwestern Amazon. Forests, 2021, 12, 667.	0.9	7
5	Multi-cyclone analysis and machine learning model implications of cyclone effects on forests. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102528.	1.4	2
6	Strong temporal variation in treefall and branchfall rates in a tropical forest is related to extreme rainfall: results from 5Âyears of monthly drone data for a 50â€‰ha plot. Biogeosciences, 2021, 18, 6517-6531.	1.3	13
7	Calibration, measurement, and characterization of soil moisture dynamics in a central Amazonian tropical forest. Vadose Zone Journal, 2020, 19, e20070.	1.3	10
8	The pantropical response of soil moisture to El NiÃ±o. Hydrology and Earth System Sciences, 2020, 24, 2303-2322.	1.9	11
9	Remote sensing and statistical analysis of the effects of hurricane MarÃa on the forests of Puerto Rico. Remote Sensing of Environment, 2020, 247, 111940.	4.6	36
10	The Central Amazon Biomass Sink Under Current and Future Atmospheric CO₂: Predictions From Bigâ€Leaf and Demographic Vegetation Models. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005500.	1.3	23
11	Landsat near-infrared (NIR) band and ELM-FATES sensitivity to forest disturbances and regrowth in the Central Amazon. Biogeosciences, 2020, 17, 6185-6205.	1.3	7
12	Species-Specific Shifts in Diurnal Sap Velocity Dynamics and Hysteretic Behavior of Ecophysiological Variables During the 2015â€“2016 El NiÃ±o Event in the Amazon Forest. Frontiers in Plant Science, 2019, 10, 830.	1.7	17
13	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. Oecologia, 2019, 191, 519-530.	0.9	14
14	Critical wind speeds suggest wind could be an important disturbance agent in Amazonian forests. Forestry, 2019, 92, 444-459.	1.2	21
15	Vulnerability of Amazon forests to storm-driven tree mortality. Environmental Research Letters, 2018, 13, 054021.	2.2	49
16	Dry and hot: the hydraulic consequences of a climate changeâ€“type drought for Amazonian trees. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20180209.	1.8	49
17	Windthrows control biomass patterns and functional composition of Amazon forests. Global Change Biology, 2018, 24, 5867-5881.	4.2	43
18	Monoterpene â€˜thermometerâ€™ of tropical forestâ€atmosphere response to climate warming. Plant, Cell and Environment, 2017, 40, 441-452.	2.8	52

#	Article	IF	Citations
19	A metadata reporting framework (FRAMES) for synthesis of ecohydrological observations. Ecological Informatics, 2017, 42, 148-158.	2.3	18
20	Windthrow Variability in Central Amazonia. Atmosphere, 2017, 8, 28.	1.0	29
21	Windthrows increase soil carbon stocks in a central Amazon forest. Biogeosciences, 2016, 13, 1299-1308.	1.3	22
22	Predicting biomass of hyperdiverse and structurally complex central Amazonian forests â€“ a virtual approach using extensive field data. Biogeosciences, 2016, 13, 1553-1570.	1.3	17
23	Assessing Earthquake-Induced Tree Mortality in Temperate Forest Ecosystems: A Case Study from Wenchuan, China. Remote Sensing, 2016, 8, 252.	1.8	4
24	Landscapeâ€scale consequences of differential tree mortality from catastrophic wind disturbance in the Amazon. Ecological Applications, 2016, 26, 2225-2237.	1.8	38
25	Mechanical vulnerability and resistance to snapping and uprooting for Central Amazon tree species. Forest Ecology and Management, 2016, 380, 1-10.	1.4	33
26	Observed allocations of productivity and biomass, and turnover times in tropical forests are not accurately represented in CMIP5 Earth system models. Environmental Research Letters, 2015, 10, 064017.	2.2	51
27	The Rainfall Sensitivity of Tropical Net Primary Production in CMIP5 Twentieth- and Twenty-First-Century Simulations*. Journal of Climate, 2015, 28, 9313-9331.	1.2	1
28	Controls on terrestrial carbon feedbacks by productivity versus turnover in the CMIP5 Earth System Models. Biogeosciences, 2015, 12, 5211-5228.	1.3	81
29	Global satellite monitoring of climate-induced vegetation disturbances. Trends in Plant Science, 2015, 20, 114-123.	4.3	183
30	Remote Sensing Assessment of Forest Disturbance across Complex Mountainous Terrain: The Pattern and Severity of Impacts of Tropical Cyclone Yasi on Australian Rainforests. Remote Sensing, 2014, 6, 5633-5649.	1.8	21
31	Tropical forest carbon balance: effects of field- and satellite-based mortality regimes on the dynamics and the spatial structure of Central Amazon forest biomass. Environmental Research Letters, 2014, 9, 034010.	2.2	13
32	Multi-scale sensitivity of Landsat and MODIS to forest disturbance associated with tropical cyclones. Remote Sensing of Environment, 2014, 140, 679-689.	4.6	33
33	Large-Scale Wind Disturbances Promote Tree Diversity in a Central Amazon Forest. PLoS ONE, 2014, 9, e103711.	1.1	75
34	The steady-state mosaic of disturbance and succession across an old-growth Central Amazon forest landscape. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3949-3954.	3.3	186
35	Carbon dioxide emitted from live stems of tropical trees is several years old. Tree Physiology, 2013, 33, 743-752.	1.4	37
36	The contribution of respiration in tree stems to the Dole Effect. Biogeosciences, 2012, 9, 4037-4044.	1.3	7

#	Article	IF	Citations
37	Internal respiration of Amazon tree stems greatly exceeds external CO₂ efflux. Biogeosciences, 2012, 9, 4979-4991.	1.3	44
38	Detection of subpixel treefall gaps with Landsat imagery in Central Amazon forests. Remote Sensing of Environment, 2011, 115, 3322-3328.	4.6	51
39	Assessing hurricaneâ€induced tree mortality in U.S. Gulf Coast forest ecosystems. Journal of Geophysical Research, 2010, 115, .	3.3	37
40	Widespread Amazon forest tree mortality from a single crossâ€basin squall line event. Geophysical Research Letters, 2010, 37, .	1.5	116
41	Impacts of tropical cyclones on U.S. forest tree mortality and carbon flux from 1851 to 2000. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7888-7892.	3.3	85
42	Lack of intermediateâ€scale disturbance data prevents robust extrapolation of plotâ€level tree mortality rates for oldâ€growth tropical forests. Ecology Letters, 2009, 12, E22.	3.0	37