Jennifer A Holm

List of Publications by Year
in descending order

23 papers	1,873 citations	516561 16 h-index	677027 22 g-index
36 all docs	36 docs citations	36 times ranked	3764 citing authors

#	Article	IF	Citations
1	Benchmarking and parameter sensitivity of physiological and vegetation dynamics using the Functionally Assembled Terrestrial Ecosystem Simulator (FATES) at Barro Colorado Island, Panama. Biogeosciences, 2020, 17, 3017-3044.	1.3	82
2	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
3	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
4	Amazon forest response to CO2 fertilization dependent on plant phosphorus acquisition. Nature Geoscience, 2019, 12, 736-741.	5.4	177
5	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
6	Identification of key parameters controlling demographically structured vegetation dynamics in a land surface model: CLM4.5(FATES). Geoscientific Model Development, 2019, 12, 4133-4164.	1.3	32
7	Vulnerability of Amazon forests to storm-driven tree mortality. Environmental Research Letters, 2018, 13, 054021.	2.2	49
8	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	3.5	341
9	Vegetation demographics in Earth System Models: A review of progress and priorities. Global Change Biology, 2018, 24, 35-54.	4.2	478
10	Novel tropical forests: response to global change. New Phytologist, 2017, 213, 988-992.	3.5	6
11	Shifts in biomass and productivity for a subtropical dry forest in response to simulated elevated hurricane disturbances. Environmental Research Letters, 2017, 12, 025007.	2.2	18
12	Monoterpene â€˜<i>thermometer</i>â€™ of tropical forestâ€atmosphere response to climate warming. Plant, Cell and Environment, 2017, 40, 441-452.	2.8	52
13	Moderate forest disturbance as a stringent test for gap and big-leaf models. Biogeosciences, 2015, 12, 513-526.	1.3	16
14	Green Leaf Volatile Emissions during High Temperature and Drought Stress in a Central Amazon Rainforest. Plants, 2015, 4, 678-690.	1.6	41
15	Taking off the training wheels: the properties of a dynamic vegetation model without climate envelopes, CLM4.5(ED). Geoscientific Model Development, 2015, 8, 3593-3619.	1.3	192
16	Forest response to increased disturbance in the central Amazon and comparison to western Amazonian forests. Biogeosciences, 2014, 11, 5773-5794.	1.3	22
17	Dynamic Balancing of Isoprene Carbon Sources Reflects Photosynthetic and Photorespiratory Responses to Temperature Stress. Plant Physiology, 2014, 166, 2051-2064.	2.3	41
18	Interactive effects of chronic deer browsing and canopy gap disturbance on forest successional dynamics. Ecosphere, 2013, 4, 1-23.	1.0	16

#	Article	IF	Citations
19	An inverse analysis of a matrix population model using a genetic algorithm. Ecological Informatics, 2012, 7, 41-45.	2.3	5
20	Gap model development, validation, and application to succession of secondary subtropical dry forests of Puerto Rico. Ecological Modelling, 2012, 233, 70-82.	1.2	23
21	Comparative Agroecosystem Sustainability of Five Honduran Crop Production Systems. International Journal of Environmental, Cultural, Economic and Social Sustainability, 2011, 7, 121-132.	0.1	0
22	Plant responses to simulated hurricane impacts in a subtropical wet forest, Puerto Rico. Journal of Ecology, 2010, 98, 659-673.	1.9	92
23	Population Dynamics of the Dioecious Amazonian Palm <i>Mauritia flexuosa</i>: Simulation Analysis of Sustainable Harvesting. Biotropica, 2008, 40, 550-558.	0.8	100