Deborah A Clark

List of Publications by Year
in descending order

61 papers	6,514 citations	136885 32 h-index	189801 50 g-index
61 all docs	61 docs citations	61 times ranked	6342 citing authors

#	Article	IF	Citations
1	MEASURING NET PRIMARY PRODUCTION IN FORESTS: CONCEPTS AND FIELD METHODS. , 2001, 11, 356-370.		748
2	Life History Diversity of Canopy and Emergent Trees in a Neotropical Rain Forest. Ecological Monographs, 1992, 62, 315-344.	2.4	637
3	NET PRIMARY PRODUCTION IN TROPICAL FORESTS: AN EVALUATION AND SYNTHESIS OF EXISTING FIELD DATA. , 2001, 11, 371-384.		540
4	EDAPHIC FACTORS AND THE LANDSCAPE-SCALE DISTRIBUTIONS OF TROPICAL RAIN FOREST TREES. Ecology, 1999, 80, 2662-2675.	1.5	402
5	Edaphic variation and the mesoscale distribution of tree species in a neotropical rain forest. Journal of Ecology, 1998, 86, 101-112.	1.9	313
6	Soil stocks of glomalin produced by arbuscular mycorrhizal fungi across a tropical rain forest landscape. Journal of Ecology, 2004, 92, 278-287.	1.9	233
7	Annual wood production in a tropical rain forest in NE Costa Rica linked to climatic variation but not to increasing CO₂. Global Change Biology, 2010, 16, 747-759.	4.2	222
8	Sources or sinks? The responses of tropical forests to current and future climate and atmospheric composition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 477-491.	1.8	206
9	The Impact of Physical Damage on Canopy Tree Regeneration in Tropical Rain Forest. Journal of Ecology, 1991, 79, 447.	1.9	195
10	Abundance, growth and mortality of very large trees in neotropical lowland rain forest. Forest Ecology and Management, 1996, 80, 235-244.	1.4	164
11	Edaphic and Human Effects on Landscape-Scale Distributions of Tropical Rain Forest Palms. Ecology, 1995, 76, 2581-2594.	1.5	161
12	ARE TROPICAL FORESTS AN IMPORTANT CARBON SINK? REANALYSIS OF THE LONG-TERM PLOT DATA. , 2002, 12, 3-7.		161
13	Stocks and flows of coarse woody debris across a tropical rain forest nutrient and topography gradient. Forest Ecology and Management, 2002, 164, 237-248.	1.4	160
14	Landscape-scale evaluation of understory light and canopy structures: methods and application in a neotropical lowland rain forest. Canadian Journal of Forest Research, 1996, 26, 747-757.	0.8	156
15	ASSESSING THE GROWTH OF TROPICAL RAIN FOREST TREES: ISSUES FOR FOREST MODELING AND MANAGEMENT. , 1999, 9, 981-997.		154
16	Age and Long-term Growth of Trees in an Old-growth Tropical Rain Forest, Based on Analyses of Tree Rings and 14C1. Biotropica, 2003, 35, 306-317.	0.8	143
17	Climate-Induced Annual Variation in Canopy Tree Growth in a Costa Rican Tropical Rain Forest. Journal of Ecology, 1994, 82, 865.	1.9	140
18	First direct landscapeâ€scale measurement of tropical rain forest Leaf Area Index, a key driver of global primary productivity. Ecology Letters, 2008, 11, 163-172.	3.0	130

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19	Detecting Tropical Forests' Responses to Global Climatic and Atmospheric Change: Current Challenges and a Way Forward. Biotropica, 2007, 39, 4-19.	0.8	126
20	Height is more important than light in determining leaf morphology in a tropical forest. Ecology, 2010, 91, 1730-1739.	1.5	113
21	Fieldâ€quantified responses of tropical rainforest aboveground productivity to increasing CO₂ and climatic stress, 1997â€“2009. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 783-794.	1.3	110
22	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. Biogeosciences, 2016, 13, 2537-2562.	1.3	108
23	GETTING TO THE CANOPY: TREE HEIGHT GROWTH IN A NEOTROPICAL RAIN FOREST. Ecology, 2001, 82, 1460-1472.	1.5	100
24	Woody-tissue respiration for Simarouba amara and Minquartia guianensis, two tropical wet forest trees with different growth habits. Oecologia, 1994, 100, 213-220.	0.9	99
25	Substantial labile carbon stocks and microbial activity in deeply weathered soils below a tropical wet forest. Global Change Biology, 2003, 9, 1171-1184.	4.2	99
26	Rain forest nutrient cycling and productivity in response to largeâ€scale litter manipulation. Ecology, 2009, 90, 109-121.	1.5	92
27	APPLICATION OF 1-M AND 4-M RESOLUTION SATELLITE DATA TO ECOLOGICAL STUDIES OF TROPICAL RAIN FORESTS. , 2004, 14, 61-74.		86
28	Comparison of direct and indirect methods for assessing leaf area index across a tropical rain forest landscape. Agricultural and Forest Meteorology, 2013, 177, 110-116.	1.9	60
29	PERSISTENCE OF ROCK-DERIVED NUTRIENTS IN THE WET TROPICAL FORESTS OF LA SELVA, COSTA RICA. Ecology, 2006, 87, 594-602.	1.5	53
30	Determinants of Leaf Litter Nutrient Cycling in a Tropical Rain Forest: Soil Fertility Versus Topography. Ecosystems, 2006, 9, 700-710.	1.6	51
31	Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. Journal of Ecology, 2015, 103, 1276-1290.	1.9	50
32	Tree growth inference and prediction when the point of measurement changes: modelling around buttresses in tropical forests. Journal of Tropical Ecology, 2009, 25, 1-12.	0.5	47
33	Litter Biomass and Nutrient Determinants of Ant Density, Nest Size, and Growth in a Costa Rican Tropical Wet Forest. Biotropica, 2009, 41, 234-240.	0.8	45
34	Variation in leaf litter nutrients of a Costa Rican rain forest is related to precipitation. Biogeochemistry, 2005, 73, 417-437.	1.7	44
35	Phosphorus Limits Tropical Rain Forest Litter Fauna. Biotropica, 2007, 39, 50-53.	0.8	44
36	Aboveground Tree Growth Varies with Belowground Carbon Allocation in a Tropical Rainforest Environment. PLoS ONE, 2014, 9, e100275.	1.1	44

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37	Light fluctuations, crown traits, and response delays for tree saplings in a Costa Rican lowland rain forest. Journal of Tropical Ecology, 1999, 15, 83-95.	0.5	35
38	Assessing Tropical Forests' Climatic Sensitivities with Long-term Data. Biotropica, 2011, 43, 31-40.	0.8	33
39	Phenology and Stem Diameter Increment Seasonality in a Costa Rican Wet Tropical Forest. Biotropica, 2008, 40, 151-159.	0.8	32
40	Reviews and syntheses: Field data to benchmark the carbon cycle models for tropical forests. Biogeosciences, 2017, 14, 4663-4690.	1.3	27
41	Response of an oldâ€growth tropical rainforest to transient high temperature and drought. Global Change Biology, 2013, 19, 3423-3434.	4.2	25
42	Allometry of emergent tree species from saplings to above-canopy adults in a Costa Rican rain forest. Journal of Tropical Ecology, 2011, 27, 573-579.	0.5	21
43	TREE GROWTH, MORTALITY, PHYSICAL CONDITION, AND MICROSITE IN AN OLD-GROWTH LOWLAND TROPICAL RAIN FOREST. Ecology, 2006, 87, 2132-2132.	1.5	20
44	Edaphic Factors and the Landscape-Scale Distributions of Tropical Rain Forest Trees. Ecology, 1999, 80, 2662.	1.5	19
45	Diversity, distribution and dynamics of large trees across an old-growth lowland tropical rain forest landscape. PLoS ONE, 2019, 14, e0224896.	1.1	17
46	Phosphorus Sorption Dynamics of Anion Exchange Resin Membranes in Tropical Rain Forest Soils. Soil Science Society of America Journal, 2011, 75, 1520-1529.	1.2	10
47	Multidecadal stability in tropical rain forest structure and dynamics across an old-growth landscape. PLoS ONE, 2017, 12, e0183819.	1.1	7
48	Assessing the Growth of Tropical Rain Forest Trees: Issues for Forest Modeling and Management. , 1999, 9, 981.		6
49	TREE GROWTH, MORTALITY, PHYSICAL CONDITION, AND MICROSITE IN OLD-GROWTH LOWLAND TROPICAL RAIN FORESTEcological Archives E081-003. Ecology, 2000, 81, 294-294.	1.5	5
50	The Î´¹⁵N signature of the detrital food web tracks a landscape-scale soil phosphorus gradient in a Costa Rican lowland tropical rain forest. Journal of Tropical Ecology, 2012, 28, 395-403.	0.5	5
51	Physical structure and biological composition of canopies in tropical secondary and old-growth forests. PLoS ONE, 2021, 16, e0256571.	1.1	5
52	Annual tree growth, mortality, physical condition, and microsite in an old-growth tropical rain forest, 1983â€“2010. Ecology, 2012, 93, 213-213.	1.5	3
53	Three decades of annual growth, mortality, physical condition, and microsite for ten tropical rainforest tree species. Ecology, 2018, 99, 1901-1901.	1.5	3
54	Annual Tropicalâ€Rainforest Productivity Through Two Decades: Complex Responses to Climatic Factors, [CO₂] and Storm Damage. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006557.	1.3	2

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55	WILSON, D.E. & SANDOVAL, A. (eds) 1996. Manu: the biodiversity of Southeastern Peru, la biodiversidad del sureste del PerÃº. The Smithsonian Institution, Washington, D.C. 679 pp. ISBN 1-56098-710-3. Price $35.00 (paperback).. Journal of Tropical Ecology, 1998, 14, 562-563.	0.5	1
56	GETTING TO THE CANOPY: TREE HEIGHT GROWTH IN A NEOTROPICAL RAIN FOREST. , 2001, 82, 1460.		1
57	Spatial and temporal scales of canopy disturbance and recovery across an oldâ€growth tropical rain forest landscape. Ecological Monographs, 2022, 92, .	2.4	1
58	Title is missing!. , 2019, 14, e0224896.		0
59	Title is missing!. , 2019, 14, e0224896.		0
60	Title is missing!. , 2019, 14, e0224896.		0
61	Title is missing!. , 2019, 14, e0224896.		0