

# Jill Thompson

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

9,329  
citations

61984

43  
h-index

45317

90  
g-index

97  
all docs

97  
docs citations

97  
times ranked

10607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. <i>Global Change Biology</i> , 2022, 28, 2895-2909.	9.5	8
2	Distribution of biomass dynamics in relation to tree size in forests across the world. <i>New Phytologist</i> , 2022, 234, 1664-1677.	7.3	24
3	Analyses of three-dimensional species associations reveal departures from neutrality in a tropical forest. <i>Ecology</i> , 2022, 103, e3681.	3.2	4
4	Influence of species functional strategy on leaf stoichiometric responses to fertilizer in a Bornean heath forest. <i>Journal of Ecology</i> , 2022, 110, 1247-1258.	4.0	2
5	Consistency of demographic trade-offs across 13 (sub)tropical forests. <i>Journal of Ecology</i> , 2022, 110, 1485-1496.	4.0	11
6	Hurricanes increase tropical forest vulnerability to drought. <i>New Phytologist</i> , 2022, 235, 1005-1017.	7.3	10
7	The interspecific growth-mortality trade-off is not a general framework for tropical forest community structure. <i>Nature Ecology and Evolution</i> , 2021, 5, 174-183.	7.8	27
8	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	4.1	122
9	Interactions between all pairs of neighboring trees in 16 forests worldwide reveal details of unique ecological processes in each forest, and provide windows into their evolutionary histories. <i>PLoS Computational Biology</i> , 2021, 17, e1008853.	3.2	1
10	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021, 12, 3137.	12.8	28
11	Percolation threshold analyses can detect community assembly processes in simulated and natural tree communities. <i>Methods in Ecology and Evolution</i> , 2021, 12, 2028-2041.	5.2	2
12	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. <i>Ecology Letters</i> , 2020, 23, 160-171.	6.4	11
13	Impact of soil nitrogen availability and pH on tropical heath forest organic matter decomposition and decomposer activity. <i>Pedobiologia</i> , 2020, 80, 150645.	1.2	13
14	Soil nitrogen concentration mediates the relationship between leguminous trees and neighbor diversity in tropical forests. <i>Communications Biology</i> , 2020, 3, 317.	4.4	20
15	Large- and small-seeded species have contrasting functional neighborhoods in a subtropical forest. <i>Ecosphere</i> , 2020, 11, e03016.	2.2	1
16	Hurricane-Induced Rainfall is a Stronger Predictor of Tropical Forest Damage in Puerto Rico Than Maximum Wind Speeds. <i>Scientific Reports</i> , 2020, 10, 4318.	3.3	48
17	The scale dependency of trait-based tree neighborhood models. <i>Journal of Vegetation Science</i> , 2020, 31, 581-593.	2.2	11
18	Hurricane MarÃa tripled stem breaks and doubled tree mortality relative to other major storms. <i>Nature Communications</i> , 2019, 10, 1362.	12.8	82

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19	Drought and the interannual variability of stem growth in an aseasonal, everwet forest. <i>Biotropica</i> , 2019, 51, 139-154.	1.6	7
20	Soil characteristics influence species composition and forest structure differentially among tree size classes in a Bornean heath forest. <i>Plant and Soil</i> , 2019, 438, 173-185.	3.7	21
21	Tree crown overlap improves predictions of the functional neighbourhood effects on tree survival and growth. <i>Journal of Ecology</i> , 2019, 107, 887-900.	4.0	28
22	Dry conditions and disturbance promote liana seedling survival and abundance. <i>Ecology</i> , 2019, 100, e02556.	3.2	17
23	Associations among arbuscular mycorrhizal fungi and seedlings are predicted to change with tree successional status. <i>Ecology</i> , 2018, 99, 607-620.	3.2	19
24	Forest tree neighborhoods are structured more by negative conspecific density dependence than by interactions among closely related species. <i>Ecography</i> , 2018, 41, 1114-1123.	4.5	27
25	Improving predictions of tropical forest response to climate change through integration of field studies and ecosystem modeling. <i>Global Change Biology</i> , 2018, 24, e213-e232.	9.5	48
26	Changes in Phylogenetic Community Structure of the Seedling Layer Following Hurricane Disturbance in a Human-Impacted Tropical Forest. <i>Forests</i> , 2018, 9, 556.	2.1	12
27	The Frequency of Cyclonic Wind Storms Shapes Tropical Forest Dynamism and Functional Trait Dispersion. <i>Forests</i> , 2018, 9, 404.	2.1	43
28	Global importance of large diameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	5.8	330
29	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018, 2, 1436-1442.	7.8	41
30	Biodiversity in species, traits, and structure determines carbon stocks and uptake in tropical forests. <i>Biotropica</i> , 2017, 49, 593-603.	1.6	52
31	Liana dynamics reflect land-use history and hurricane response in a Puerto Rican forest. <i>Journal of Tropical Ecology</i> , 2017, 33, 155-164.	1.1	21
32	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. <i>Global Ecology and Biogeography</i> , 2017, 26, 777-786.	5.8	33
33	Arbuscular mycorrhizal fungal diversity and natural enemies promote coexistence of tropical tree species. <i>Ecology</i> , 2017, 98, 712-720.	3.2	29
34	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017, 26, 1423-1434.	5.8	193
35	Long-lasting effects of land use history on soil fungal communities in second-growth tropical rain forests. <i>Ecological Applications</i> , 2016, 26, 1881-1895.	3.8	64
36	Using codispersion analysis to quantify and understand spatial patterns in species-environment relationships. <i>New Phytologist</i> , 2016, 211, 735-749.	7.3	15

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37	The interaction of land-use legacies and hurricane disturbance in subtropical wet forest: twenty-one years of change. <i>Ecosphere</i> , 2016, 7, e01405.	2.2	28
38	The advantage of the extremes: tree seedlings at intermediate abundance in a tropical forest have the highest richness of above-ground enemies and suffer the most damage. <i>Journal of Ecology</i> , 2016, 104, 90-103.	4.0	20
39	Are we failing to protect threatened mangroves in the Sundarbans world heritage ecosystem?. <i>Scientific Reports</i> , 2016, 6, 21234.	3.3	73
40	Land-use history augments environmental plant community relationship strength in a Puerto Rican wet forest. <i>Journal of Ecology</i> , 2016, 104, 1466-1477.	4.0	15
41	Interspecific Functional Convergence and Divergence and Intraspecific Negative Density Dependence Underlie the Seed-to-Seedling Transition in Tropical Trees. <i>American Naturalist</i> , 2016, 187, 99-109.	2.1	31
42	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016, 529, 204-207.	27.8	655
43	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015, 24, 1314-1328.	5.8	366
44	Ontogenetic shifts in trait-mediated mechanisms of plant community assembly. <i>Ecology</i> , 2015, 96, 2157-2169.	3.2	73
45	Linking spatial patterns of leaf litterfall and soil nutrients in a tropical forest: a neighborhood approach. <i>Ecological Applications</i> , 2015, 25, 2022-2034.	3.8	58
46	CTFS ForestGEO: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	9.5	473
47	Review of statistical methods and data requirements to support post market environmental monitoring of agro ecosystems. <i>EFSA Supporting Publications</i> , 2014, 11, 3883AX1.	0.7	6
48	Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. <i>Biogeosciences</i> , 2014, 11, 6827-6840.	3.3	89
49	Scale-dependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	4.0	265
50	Life-history tradeoffs during the seed-to-seedling transition in a subtropical wet forest community. <i>Journal of Ecology</i> , 2013, 101, 171-182.	4.0	48
51	Rapid Simultaneous Estimation of Aboveground Biomass and Tree Diversity Across Neotropical Forests: A Comparison of Field Inventory Methods. <i>Biotropica</i> , 2013, 45, 288-298.	1.6	73
52	Using long-term ecosystem service and biodiversity data to study the impacts and adaptation options in response to climate change: insights from the global ILTER sites network. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 53-66.	6.3	39
53	Multispecies coexistence of trees in tropical forests: spatial signals of topographic niche differentiation increase with environmental heterogeneity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130502.	2.6	78
54	Species-time-area and phylogenetic-time-area relationships in tropical tree communities. <i>Ecology and Evolution</i> , 2013, 3, 1173-1183.	1.9	9

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55	Quantifying the sampling error in tree census measurements by volunteers and its effect on carbon stock estimates. <i>Ecological Applications</i> , 2013, 23, 936-943.	3.8	53
56	Phylogenetic and functional alpha and beta diversity in temperate and tropical tree communities. <i>Ecology</i> , 2012, 93, S112.	3.2	193
57	Multidimensional tradeoffs in species responses to disturbance: implications for diversity in a subtropical forest. <i>Ecology</i> , 2012, 93, 191-205.	3.2	82
58	Temporal turnover in the composition of tropical tree communities: functional determinism and phylogenetic stochasticity. <i>Ecology</i> , 2012, 93, 490-499.	3.2	168
59	Geographic and Ecological Setting of the Luquillo Mountains. , 2012, , 72-163.		24
60	Response to Disturbance. , 2012, , 201-271.		18
61	Management Implications and Applications of Long-Term Ecological Research. , 2012, , 305-360.		2
62	Population structure, growth rates and spatial distribution of two dioecious tree species in a wet forest in Puerto Rico. <i>Journal of Tropical Ecology</i> , 2010, 26, 433-443.	1.1	15
63	Patch dynamics and community metastability of a subtropical forest: compound effects of natural disturbance and human land use. <i>Landscape Ecology</i> , 2010, 25, 1099-1111.	4.2	37
64	Variation in Susceptibility to Hurricane Damage as a Function of Storm Intensity in Puerto Rican Tree Species. <i>Biotropica</i> , 2010, 42, 87-94.	1.6	73
65	Trait similarity, shared ancestry and the structure of neighbourhood interactions in a subtropical wet forest: implications for community assembly. <i>Ecology Letters</i> , 2010, 13, 1503-1514.	6.4	184
66	Interactive effects of land use history and natural disturbance on seedling dynamics in a subtropical forest. <i>Ecological Applications</i> , 2010, 20, 1270-1284.	3.8	35
67	Advances in the Use of DNA Barcodes to Build a Community Phylogeny for Tropical Trees in a Puerto Rican Forest Dynamics Plot. <i>PLoS ONE</i> , 2010, 5, e15409.	2.5	138
68	Natural disturbance and human land use as determinants of tropical forest dynamics: results from a forest simulator. <i>Ecological Monographs</i> , 2009, 79, 423-443.	5.4	138
69	Abiotic and biotic drivers of seedling survival in a hurricane-impacted tropical forest. <i>Journal of Ecology</i> , 2009, 97, 1346-1359.	4.0	142
70	Improved abundance prediction from presence-absence data. <i>Global Ecology and Biogeography</i> , 2009, 18, 1-10.	5.8	37
71	Above-ground forest biomass is not consistently related to wood density in tropical forests. <i>Global Ecology and Biogeography</i> , 2009, 18, 617-625.	5.8	46
72	Tree species distributions in relation to stream distance in a mid-montane wet forest, Puerto Rico. <i>Caribbean Journal of Science</i> , 2009, 45, 52-63.	0.3	11

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73	Assessing Evidence for a Pervasive Alteration in Tropical Tree Communities. <i>PLoS Biology</i> , 2008, 6, e45.	5.6	187
74	THE INFLUENCE OF SPATIAL AND SIZE SCALE ON PHYLOGENETIC RELATEDNESS IN TROPICAL FOREST COMMUNITIES. <i>Ecology</i> , 2007, 88, 1770-1780.	3.2	249
75	Land use history, hurricane disturbance, and the fate of introduced species in a subtropical wet forest in Puerto Rico. <i>Plant Ecology</i> , 2007, 192, 289-301.	1.6	36
76	Cross-Scale Responses of Biodiversity to Hurricane and Anthropogenic Disturbance in a Tropical Forest. <i>Ecosystems</i> , 2007, 10, 824-838.	3.4	46
77	THE PROBLEM AND PROMISE OF SCALE DEPENDENCY IN COMMUNITY PHYLOGENETICS. <i>Ecology</i> , 2006, 87, 2418-2424.	3.2	300
78	Testing metabolic ecology theory for allometric scaling of tree size, growth and mortality in tropical forests. <i>Ecology Letters</i> , 2006, 9, 575-588.	6.4	280
79	Comparing tropical forest tree size distributions with the predictions of metabolic ecology and equilibrium models. <i>Ecology Letters</i> , 2006, 9, 589-602.	6.4	170
80	Land-use History Affects the Distribution of the Saprophytic Orchid <i>Wulfschlaegelia calcarata</i> in Puerto Rico's Tabonuco Forest. <i>Biotropica</i> , 2006, 38, 492-499.	1.6	26
81	Nonrandom Processes Maintain Diversity in Tropical Forests. <i>Science</i> , 2006, 311, 527-531.	12.6	166
82	Seedling recruitment in a hurricane-driven tropical forest: light limitation, density-dependence and the spatial distribution of parent trees. <i>Journal of Ecology</i> , 2005, 93, 291-304.	4.0	128
83	Loss of foundation species: consequences for the structure and dynamics of forested ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2005, 3, 479-486.	4.0	1,461
84	Liana abundance in a Puerto Rican forest. <i>Forest Ecology and Management</i> , 2004, 190, 33-41.	3.2	60
85	A NEIGHBORHOOD ANALYSIS OF TREE GROWTH AND SURVIVAL IN A HURRICANE-DRIVEN TROPICAL FOREST. <i>Ecological Monographs</i> , 2004, 74, 591-614.	5.4	230
86	LAND USE HISTORY, ENVIRONMENT, AND TREE COMPOSITION IN A TROPICAL FOREST. , 2002, 12, 1344-1363.		211
87	Land Use History, Environment, and Tree Composition in a Tropical Forest. , 2002, 12, 1344.		3
88	The H for DBH. <i>Forest Ecology and Management</i> , 2000, 129, 89-91.	3.2	64
89	Effect of light on the germination of forest trees in Ghana. <i>Journal of Ecology</i> , 1999, 87, 772-783.	4.0	117
90	Responses of tropical forest tree seedlings to irradiance and the derivation of a light response index. <i>Journal of Ecology</i> , 1999, 87, 815-827.	4.0	112

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91	Rain forest on Maracá Island, Roraima, Brazil: soil and litter process response to artificial gaps. <i>Forest Ecology and Management</i> , 1998, 102, 291-303.	3.2	23
92	Rain forest on Maracá Island, Roraima, Brazil: artificial gaps and plant response to them. <i>Forest Ecology and Management</i> , 1998, 102, 305-321.	3.2	29
93	Ecological Studies on a Lowland Evergreen Rain Forest on Maraca Island, Roraima, Brazil. I. Physical Environment, Forest Structure and Leaf Chemistry. <i>Journal of Ecology</i> , 1992, 80, 689.	4.0	67
94	Ecological Studies on a Lowland Evergreen Rain Forest on Maraca Island, Roraima, Brazil. II. Litter and Nutrient Cycling. <i>Journal of Ecology</i> , 1992, 80, 705.	4.0	104
95	VEGETATION AND SOIL FACTORS ON A HEAVY METAL MINE SPOIL HEAP. <i>New Phytologist</i> , 1983, 94, 297-308.	7.3	24
96	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. <i>Journal of Integrative Environmental Sciences</i> , 0, , 1-26.	2.5	11