

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	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
2	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016, 529, 204-207.	27.8	655
3	<scp>CTFS</scp>â€œForest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	9.5	473
4	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015, 24, 1314-1328.	5.8	366
5	Global importance of largeâ€œdiameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	5.8	330
6	THE PROBLEM AND PROMISE OF SCALE DEPENDENCY IN COMMUNITY PHYLOGENETICS. <i>Ecology</i> , 2006, 87, 2418-2424.	3.2	300
7	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
8	Scaleâ€œdependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	4.0	265
9	THE INFLUENCE OF SPATIAL AND SIZE SCALE ON PHYLOGENETIC RELATEDNESS IN TROPICAL FOREST COMMUNITIES. <i>Ecology</i> , 2007, 88, 1770-1780.	3.2	249
10	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
11	LAND USE HISTORY, ENVIRONMENT, AND TREE COMPOSITION IN A TROPICAL FOREST. , 2002, 12, 1344-1363.		211
12	Phylogenetic and functional alpha and beta diversity in temperate and tropical tree communities. <i>Ecology</i> , 2012, 93, S112.	3.2	193
13	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017, 26, 1423-1434.	5.8	193
14	Assessing Evidence for a Pervasive Alteration in Tropical Tree Communities. <i>PLoS Biology</i> , 2008, 6, e45.	5.6	187
15	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
16	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
17	Temporal turnover in the composition of tropical tree communities: functional determinism and phylogenetic stochasticity. <i>Ecology</i> , 2012, 93, 490-499.	3.2	168
18	Nonrandom Processes Maintain Diversity in Tropical Forests. <i>Science</i> , 2006, 311, 527-531.	12.6	166

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19	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
20	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
21	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
22	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
23	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	4.1	122
24	Effect of light on the germination of forest trees in Ghana. <i>Journal of Ecology</i> , 1999, 87, 772-783.	4.0	117
25	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
26	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
27	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
28	Multidimensional trade-offs in species responses to disturbance: implications for diversity in a subtropical forest. <i>Ecology</i> , 2012, 93, 191-205.	3.2	82
29	Hurricane MarÃa tripled stem breaks and doubled tree mortality relative to other major storms. <i>Nature Communications</i> , 2019, 10, 1362.	12.8	82
30	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
31	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
32	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
33	Ontogenetic shifts in trait-mediated mechanisms of plant community assembly. <i>Ecology</i> , 2015, 96, 2157-2169.	3.2	73
34	Are we failing to protect threatened mangroves in the Sundarbans world heritage ecosystem?. <i>Scientific Reports</i> , 2016, 6, 21234.	3.3	73
35	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
36	The H for DBH. <i>Forest Ecology and Management</i> , 2000, 129, 89-91.	3.2	64

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37	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
38	Liana abundance in a Puerto Rican forest. <i>Forest Ecology and Management</i> , 2004, 190, 33-41.	3.2	60
39	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
40	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
41	Biodiversity in species, traits, and structure determines carbon stocks and uptake in tropical forests. <i>Biotropica</i> , 2017, 49, 593-603.	1.6	52
42	Life-history trade-offs during the seed-to-seedling transition in a subtropical wet forest community. <i>Journal of Ecology</i> , 2013, 101, 171-182.	4.0	48
43	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
44	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
45	Cross-Scale Responses of Biodiversity to Hurricane and Anthropogenic Disturbance in a Tropical Forest. <i>Ecosystems</i> , 2007, 10, 824-838.	3.4	46
46	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
47	The Frequency of Cyclonic Wind Storms Shapes Tropical Forest Dynamism and Functional Trait Dispersion. <i>Forests</i> , 2018, 9, 404.	2.1	43
48	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018, 2, 1436-1442.	7.8	41
49	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
50	Improved abundance prediction from presence-absence data. <i>Global Ecology and Biogeography</i> , 2009, 18, 1-10.	5.8	37
51	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
52	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
53	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
54	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

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55	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
56	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
57	Arbuscular mycorrhizal fungal diversity and natural enemies promote coexistence of tropical tree species. <i>Ecology</i> , 2017, 98, 712-720.	3.2	29
58	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
59	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
60	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
61	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
62	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
63	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
64	VEGETATION AND SOIL FACTORS ON A HEAVY METAL MINE SPOIL HEAP. <i>New Phytologist</i> , 1983, 94, 297-308.	7.3	24
65	Geographic and Ecological Setting of the Luquillo Mountains. , 2012, , 72-163.		24
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	Response to Disturbance. , 2012, , 201-271.		18
74	Dry conditions and disturbance promote liana seedling survival and abundance. Ecology, 2019, 100, e02556.	3.2	17
75	Population structure, growth rates and spatial distribution of two dioecious tree species in a wet forest in Puerto Rico. Journal of Tropical Ecology, 2010, 26, 433-443.	1.1	15
76	Using codispersion analysis to quantify and understand spatial patterns in speciesâ€“environment relationships. New Phytologist, 2016, 211, 735-749.	7.3	15
77	Landâ€“use history augments environmentâ€“plant community relationship strength in a Puerto Rican wet forest. Journal of Ecology, 2016, 104, 1466-1477.	4.0	15
78	Impact of soil nitrogen availability and pH on tropical heath forest organic matter decomposition and decomposer activity. Pedobiologia, 2020, 80, 150645.	1.2	13
79	Changes in Phylogenetic Community Structure of the Seedling Layer Following Hurricane Disturbance in a Human-Impacted Tropical Forest. Forests, 2018, 9, 556.	2.1	12
80	Tree species distributions in relation to stream distance in a mid-montane wet forest, Puerto Rico. Caribbean Journal of Science, 2009, 45, 52-63.	0.3	11
81	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. Journal of Integrative Environmental Sciences, 0, , 1-26.	2.5	11
82	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. Ecology Letters, 2020, 23, 160-171.	6.4	11
83	The scale dependency of traitâ€“based tree neighborhood models. Journal of Vegetation Science, 2020, 31, 581-593.	2.2	11
84	Consistency of demographic tradeâ€“offs across 13 (sub)tropical forests. Journal of Ecology, 2022, 110, 1485-1496.	4.0	11
85	Hurricanes increase tropical forest vulnerability to drought. New Phytologist, 2022, 235, 1005-1017.	7.3	10
86	Speciesâ€“timeâ€“area and phylogeneticâ€“timeâ€“area relationships in tropical tree communities. Ecology and Evolution, 2013, 3, 1173-1183.	1.9	9
87	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. Global Change Biology, 2022, 28, 2895-2909.	9.5	8
88	Drought and the interannual variability of stem growth in an aseasonal, everwet forest. Biotropica, 2019, 51, 139-154.	1.6	7
89	Review of statistical methods and data requirements to support post market environmental monitoring of agro ecosystems. EFSA Supporting Publications, 2014, 11, 3883AX1.	0.7	6
90	Analyses of threeâ€“dimensional species associations reveal departures from neutrality in a tropical forest. Ecology, 2022, 103, e3681.	3.2	4

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91	Land Use History, Environment, and Tree Composition in a Tropical Forest. , 2002, 12, 1344.		3
92	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
93	Management Implications and Applications of Long-Term Ecological Research. , 2012, , 305-360.		2
94	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
95	Large- and small-seeded species have contrasting functional neighborhoods in a subtropical forest. <i>Ecosphere</i> , 2020, 11, e03016.	2.2	1
96	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