

Claire Fortunel

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,961
citations

331538

21
h-index

254106

43
g-index

52
all docs

52
docs citations

52
times ranked

9551
citing authors

#	ARTICLE	IF	CITATIONS
1	Let the concept of trait be functional!. <i>Oikos</i> , 2007, 116, 882-892.	1.2	3,193
2	Assessing the Effects of Land-use Change on Plant Traits, Communities and Ecosystem Functioning in Grasslands: A Standardized Methodology and Lessons from an Application to 11 European Sites. <i>Annals of Botany</i> , 2007, 99, 967-985.	1.4	453
3	Rare species contribute disproportionately to the functional structure of species assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160084.	1.2	277
4	Leaf traits capture the effects of land use changes and climate on litter decomposability of grasslands across Europe. <i>Ecology</i> , 2009, 90, 598-611.	1.5	243
5	Leaf, stem and root tissue strategies across 758 Neotropical tree species. <i>Functional Ecology</i> , 2012, 26, 1153-1161.	1.7	172
6	Disentangling stand and environmental correlates of aboveground biomass in Amazonian forests. <i>Global Change Biology</i> , 2011, 17, 2677-2688.	4.2	160
7	Environmental factors predict community functional composition in Amazonian forests. <i>Journal of Ecology</i> , 2014, 102, 145-155.	1.9	132
8	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , 2015, 103, 978-989.	1.9	131
9	Phylogenetic density dependence and environmental filtering predict seedling mortality in a tropical forest. <i>Ecology Letters</i> , 2012, 15, 34-41.	3.0	106
10	Plant traits relate to whole-community litter quality and decomposition following land use change. <i>Functional Ecology</i> , 2007, 21, 1016-1026.	1.7	101
11	Coordination and trade-offs among hydraulic safety, efficiency and drought avoidance traits in Amazonian rainforest canopy tree species. <i>New Phytologist</i> , 2018, 218, 1015-1024.	3.5	97
12	Wood specific gravity and anatomy of branches and roots in 113 Amazonian rainforest tree species across environmental gradients. <i>New Phytologist</i> , 2014, 202, 79-94.	3.5	89
13	Relative climatic, edaphic and management controls of plant functional trait signatures. <i>Journal of Vegetation Science</i> , 2009, 20, 148-159.	1.1	84
14	Tropical tree mortality has increased with rising atmospheric water stress. <i>Nature</i> , 2022, 608, 528-533.	13.7	74
15	Topography and neighborhood crowding can interact to shape species growth and distribution in a diverse Amazonian forest. <i>Ecology</i> , 2018, 99, 2272-2283.	1.5	72
16	The effects of habitat loss and fragmentation on plant functional traits and functional diversity: what do we know so far?. <i>Oecologia</i> , 2019, 191, 505-518.	0.9	59
17	Functional trait differences influence neighbourhood interactions in a hyperdiverse Amazonian forest. <i>Ecology Letters</i> , 2016, 19, 1062-1070.	3.0	58
18	Herbivory, growth rates, and habitat specialization in tropical tree lineages: implications for Amazonian beta-diversity. <i>Ecology</i> , 2012, 93, S195.	1.5	51

#	ARTICLE	IF	CITATIONS
19	Selection on floral display in insect-pollinated <i>Primula farinosa</i> : effects of vegetation height and litter accumulation. <i>Oecologia</i> , 2006, 150, 225-232.	0.9	46
20	Resolving whole-plant economics from leaf, stem and root traits of 1467 Amazonian tree species. <i>Oikos</i> , 2021, 130, 1193-1208.	1.2	35
21	Effects of land abandonment on plant litter decomposition in a Montado system: relation to litter chemistry and community functional parameters. <i>Plant and Soil</i> , 2010, 333, 181-190.	1.8	32
22	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.	3.4	27
23	Divergent Secondary Metabolites and Habitat Filtering Both Contribute to Tree Species Coexistence in the Peruvian Amazon. <i>Frontiers in Plant Science</i> , 2018, 9, 836.	1.7	24
24	Allocation strategies and seed traits are hardly affected by nitrogen supply in 18 species differing in successional status. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2009, 11, 267-283.	1.1	23
25	There's no place like home: seedling mortality contributes to the habitat specialisation of tree species across Amazonia. <i>Ecology Letters</i> , 2016, 19, 1256-1266.	3.0	23
26	Disentangling the effects of environment and ontogeny on tree functional dimensions for congeneric species in tropical forests. <i>New Phytologist</i> , 2020, 226, 385-395.	3.5	23
27	Alternative stable states of the forest mycobiome are maintained through positive feedbacks. <i>Nature Ecology and Evolution</i> , 2022, 6, 375-382.	3.4	21
28	Intraspecific leaf trait variability along a boreal-to-tropical community diversity gradient. <i>PLoS ONE</i> , 2017, 12, e0172495.	1.1	20
29	Geographical Variation in Community Divergence: Insights from Tropical Forest Monodominance by Ectomycorrhizal Trees. <i>American Naturalist</i> , 2017, 190, S105-S122.	1.0	19
30	Tropical tree growth sensitivity to climate is driven by species intrinsic growth rate and leaf traits. <i>Global Change Biology</i> , 2022, 28, 1414-1432.	4.2	16
31	Investigating the direct and indirect effects of forest fragmentation on plant functional diversity. <i>PLoS ONE</i> , 2020, 15, e0235210.	1.1	15
32	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. <i>Oecologia</i> , 2019, 191, 519-530.	0.9	14
33	Tradeoffs and Synergies in Tropical Forest Root Traits and Dynamics for Nutrient and Water Acquisition: Field and Modeling Advances. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	13
34	Relative Efficiency of Pitfall Trapping vs. Nocturnal Hand Collecting in Assessing Soil-Dwelling Spider Diversity along A Structural Gradient of Neotropical Habitats. <i>Diversity</i> , 2020, 12, 81.	0.7	12
35	Leveraging Signatures of Plant Functional Strategies in Wood Density Profiles of African Trees to Correct Mass Estimations From Terrestrial Laser Data. <i>Scientific Reports</i> , 2020, 10, 2001.	1.6	11
36	Biogeographic history and habitat specialization shape floristic and phylogenetic composition across Amazonian forests. <i>Ecological Monographs</i> , 2021, 91, e01473.	2.4	10

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37	Parenchyma fractions drive the storage capacity of nonstructural carbohydrates across a broad range of tree species. <i>American Journal of Botany</i> , 2022, 109, 535-549.	0.8	6
38	Tree growth response to soil nutrients and neighborhood crowding varies between mycorrhizal types in an old-growth temperate forest. <i>Oecologia</i> , 2021, 197, 523-535.	0.9	5
39	Day-time vs. night-time sampling does not affect estimates of spider diversity across a land use gradient in the Neotropics. <i>Journal of Arachnology</i> , 2015, 43, 413-416.	0.3	4
40	Neither species geographic range size, climatic envelope, nor intraspecific leaf trait variability capture habitat specialization in a hyperdiverse Amazonian forest. <i>Biotropica</i> , 2019, 51, 304-310.	0.8	3
41	Additive influences of soil and climate gradients drive tree community composition of Central African rain forests. <i>Journal of Vegetation Science</i> , 2020, 31, 1154-1167.	1.1	3
42	Regularized Regression: A New Tool for Investigating and Predicting Tree Growth. <i>Forests</i> , 2021, 12, 1283.	0.9	2
43	Imprints of Past Habitat Area Reduction on Extant Taxonomic, Functional, and Phylogenetic Composition. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	1
44	Size-dependent intraspecific variation in wood traits has little impact on aboveground carbon estimates in a tropical forest landscape. <i>Functional Ecology</i> , 0, , .	1.7	1
45	Investigating the direct and indirect effects of forest fragmentation on plant functional diversity. , 2020, 15, e0235210.		0
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50	Investigating the direct and indirect effects of forest fragmentation on plant functional diversity. , 2020, 15, e0235210.		0