

Min Cao

List of Publications by Year in descending order

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93
papers

4,153
citations

159585

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docs citations

95
times ranked

5310
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>CTFS</sc>â€œForest<sc>GEO</sc>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	9.5	473
2	Global importance of largeâ€œdiameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	5.8	330
3	Scaleâ€œdependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	4.0	265
4	Tropical Forests of Xishuangbanna, China1. <i>Biotropica</i> , 2006, 38, 306-309.	1.6	204
5	Forests and Their Canopies: Achievements and Horizons in Canopy Science. <i>Trends in Ecology and Evolution</i> , 2017, 32, 438-451.	8.7	182
6	Why Functional Traits Do Not Predict Tree Demographic Rates. <i>Trends in Ecology and Evolution</i> , 2018, 33, 326-336.	8.7	162
7	Tropical forest vegetation of Xishuangbanna, SW China and its secondary changes, with special reference to some problems in local nature conservation. <i>Biological Conservation</i> , 1995, 73, 229-238.	4.1	153
8	The variation of tree beta diversity across a global network of forest plots. <i>Global Ecology and Biogeography</i> , 2012, 21, 1191-1202.	5.8	135
9	Geological History, Flora, and Vegetation of Xishuangbanna, Southern Yunnan, China1. <i>Biotropica</i> , 2006, 38, 310-317.	1.6	127
10	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	4.1	122
11	Functional and phylogenetic assembly in a Chinese tropical tree community across size classes, spatial scales and habitats. <i>Functional Ecology</i> , 2014, 28, 520-529.	3.6	121
12	Tree species diversity of tropical forest vegetation in Xishuangbanna, SW China. <i>Biodiversity and Conservation</i> , 1997, 6, 995-1006.	2.6	119
13	Commonness, rarity, and intraspecific variation in traits and performance in tropical tree seedlings. <i>Ecology Letters</i> , 2015, 18, 1329-1337.	6.4	95
14	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. <i>Ecology Letters</i> , 2019, 22, 245-255.	6.4	92
15	Ethiopian vegetation types, climate and topography. <i>Plant Diversity</i> , 2020, 42, 302-311.	3.7	82
16	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
17	Seasonal differentiation in densityâ€œdependent seedling survival in a tropical rain forest. <i>Journal of Ecology</i> , 2012, 100, 905-914.	4.0	76
18	Litterfall production, decomposition and nutrient use efficiency varies with tropical forest types in Xishuangbanna, SW China: a 10-year study. <i>Plant and Soil</i> , 2010, 335, 271-288.	3.7	72

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19	The Contribution of Rare Species to Community Phylogenetic Diversity across a Global Network of Forest Plots. <i>American Naturalist</i> , 2012, 180, E17-E30.	2.1	67
20	Lianas as structural parasites: A re-evaluation. <i>Science Bulletin</i> , 2012, 57, 307-312.	1.7	51
21	Dominant species and dispersal limitation regulate tree species distributions in a 20â€ha plot in Xishuangbanna, southwest China. <i>Oikos</i> , 2012, 121, 952-960.	2.7	46
22	A coreâ€transient framework for traitâ€based community ecology: an example from a tropical tree seedling community. <i>Ecology Letters</i> , 2017, 20, 619-628.	6.4	46
23	Vertical stratification of moths across elevation and latitude. <i>Journal of Biogeography</i> , 2016, 43, 59-69.	3.0	40
24	Environmental filtering structures tree functional traits combination and lineages across space in tropical tree assemblages. <i>Scientific Reports</i> , 2017, 7, 132.	3.3	39
25	Local-scale Partitioning of Functional and Phylogenetic Beta Diversity in a Tropical Tree Assemblage. <i>Scientific Reports</i> , 2015, 5, 12731.	3.3	38
26	Functional traits of tree species with phylogenetic signal co-vary with environmental niches in two large forest dynamics plots. <i>Journal of Plant Ecology</i> , 2014, 7, 115-125.	2.3	36
27	Bole bryophyte diversity and distribution patterns along three altitudinal gradients in Yunnan, China. <i>Journal of Vegetation Science</i> , 2015, 26, 576-587.	2.2	36
28	Alternative designs and tropical tree seedling growth performance landscapes. <i>Ecology</i> , 2020, 101, e03007.	3.2	35
29	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
30	Litter Decomposition and Nutrient Release in a Tropical Seasonal Rain Forest of Xishuangbanna, Southwest China. <i>Biotropica</i> , 2006, 38, 342-347.	1.6	32
31	Snow damage to the canopy facilitates alien weed invasion in a subtropical montane primary forest in southwestern China. <i>Forest Ecology and Management</i> , 2017, 391, 275-281.	3.2	32
32	Evapotranspiration of a tropical rain forest in Xishuangbanna, southwest China. <i>Hydrological Processes</i> , 2010, 24, 2405-2416.	2.6	31
33	How does habitat filtering affect the detection of conspecific and phylogenetic density dependence?. <i>Ecology</i> , 2016, 97, 1182-1193.	3.2	31
34	Individual-level trait variation and negative density dependence affect growth in tropical tree seedlings. <i>Journal of Ecology</i> , 2018, 106, 2446-2455.	4.0	31
35	Spatial scale changes the relationship between beta diversity, species richness and latitude. <i>Royal Society Open Science</i> , 2018, 5, 181168.	2.4	29
36	Patterns of nitrogen-fixing tree abundance in forests across Asia and America. <i>Journal of Ecology</i> , 2019, 107, 2598-2610.	4.0	29

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37	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
38	Consequences of spatial patterns for coexistence in species-rich plant communities. <i>Nature Ecology and Evolution</i> , 2021, 5, 965-973.	7.8	24
39	High sensitivity of a tropical rainforest to water variability: Evidence from 10 years of inventory and eddy flux data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9393-9400.	3.3	22
40	Soil properties drive a negative correlation between species diversity and genetic diversity in a tropical seasonal rainforest. <i>Scientific Reports</i> , 2016, 6, 20652.	3.3	22
41	Canopy openness and topographic habitat drive tree seedling recruitment after snow damage in an old-growth subtropical forest. <i>Forest Ecology and Management</i> , 2018, 429, 493-502.	3.2	22
42	Nutrient cycling in a tropical seasonal rain forest of Xishuangbanna, Southwest China. Part 1: tree species: nutrient distribution and uptake. <i>Bioresource Technology</i> , 2001, 80, 163-170.	9.6	21
43	Tree species diversity of a 20-ha plot in a tropical seasonal rainforest in Xishuangbanna, southwest China. <i>Journal of Forest Research</i> , 2012, 17, 432-439.	1.4	20
44	The strength of density-dependent mortality is contingent on climate and seedling size. <i>Journal of Vegetation Science</i> , 2018, 29, 662-670.	2.2	18
45	Intraspecific variation in tree growth responses to neighbourhood composition and seasonal drought in a tropical forest. <i>Journal of Ecology</i> , 2021, 109, 26-37.	4.0	18
46	Trade-offs in above- and below-ground biomass allocation influencing seedling growth in a tropical forest. <i>Journal of Ecology</i> , 2021, 109, 1184-1193.	4.0	18
47	Taxonomic and Functional Ant Diversity Along tropical, Subtropical, and Subalpine Elevational Transects in Southwest China. <i>Insects</i> , 2019, 10, 128.	2.2	17
48	Colors of night: climate-morphology relationships of geometrid moths along spatial gradients in southwestern China. <i>Oecologia</i> , 2018, 188, 537-546.	2.0	16
49	Seed dormancy in space and time: global distribution, paleoclimatic and present climatic drivers, and evolutionary adaptations. <i>New Phytologist</i> , 2022, 234, 1770-1781.	7.3	16
50	Viable seeds buried in the tropical forest soils of Xishuangbanna, SW China. <i>Seed Science Research</i> , 2000, 10, 255-264.	1.7	15
51	Climatic control of plant species richness along elevation gradients in the Longitudinal Range-Gorge Region. <i>Science Bulletin</i> , 2007, 52, 50-58.	1.7	15
52	Intra-specific relatedness, spatial clustering and reduced demographic performance in tropical rainforest trees. <i>Ecology Letters</i> , 2018, 21, 1174-1181.	6.4	15
53	Different environmental factors drive tree species diversity along elevation gradients in three climatic zones in Yunnan, southern China. <i>Plant Diversity</i> , 2021, 43, 433-443.	3.7	15
54	Soil nutrients, canopy gaps and topography affect liana distribution in a tropical seasonal rain forest in southwestern China. <i>Journal of Vegetation Science</i> , 2021, 32, .	2.2	14

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55	Variant responses of tree seedling to seasonal drought stress along an elevational transect in tropical montane forests. <i>Scientific Reports</i> , 2016, 6, 36438.	3.3	13
56	On the modelling of tropical tree growth: the importance of intra-specific trait variation, non-linear functions and phenotypic integration. <i>Annals of Botany</i> , 2021, 127, 533-542.	2.9	12
57	Quantifying the role of intra-specific trait variation for allocation and organ-level traits in tropical seedling communities. <i>Journal of Vegetation Science</i> , 2018, 29, 276-284.	2.2	11
58	Soil seed banks along elevational gradients in tropical, subtropical and subalpine forests in Yunnan Province, southwest China. <i>Plant Diversity</i> , 2017, 39, 273-286.	3.7	10
59	Nitrogen and Phosphorus Concentration in Leaf Litter and Soil in Xishuangbanna Tropical Forests: Does Precipitation Limitation Matter?. <i>Forests</i> , 2019, 10, 242.	2.1	10
60	Traits mediate a trade-off in seedling growth response to light and conspecific density in a diverse subtropical forest. <i>Journal of Ecology</i> , 2021, 109, 703-713.	4.0	10
61	Traits, strategies, and niches of liana species in a tropical seasonal rainforest. <i>Oecologia</i> , 2021, 196, 499-514.	2.0	10
62	Buttress trees elevate soil heterogeneity and regulate seedling diversity in a tropical rainforest. <i>Plant and Soil</i> , 2011, 338, 301-309.	3.7	9
63	Elevational sensitivity in an Asian "hotspot": moth diversity across elevational gradients in tropical, sub-tropical and sub-alpine China. <i>Scientific Reports</i> , 2016, 6, 26513.	3.3	9
64	Accumulated Impacts of Sulfur Spraying on Soil Nutrient Availability and Microbial Biomass in Rubber Plantations. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1001-1010.	1.1	9
65	Lack of phylogenetic signals within environmental niches of tropical tree species across life stages. <i>Scientific Reports</i> , 2017, 7, 42007.	3.3	9
66	The relative importance of space compared to topography increases from rare to common tree species across latitude. <i>Journal of Biogeography</i> , 2018, 45, 2520-2532.	3.0	9
67	Conspecific negative density dependence in rainy season enhanced seedling diversity across habitats in a tropical forest. <i>Oecologia</i> , 2020, 193, 949-957.	2.0	9
68	Rare tree species have narrow environmental but not functional niches. <i>Functional Ecology</i> , 2021, 35, 511-520.	3.6	8
69	Species packing and the latitudinal gradient in beta-diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203045.	2.6	8
70	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
71	Can Dominant Canopy Species Leaf Litter Determine Soil Nutrient Heterogeneity? A Case Study in a Tropical Rainforest in Southwest China. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2479-2489.	3.4	7
72	Relating leaf traits to seedling performance in a tropical forest: building a hierarchical functional framework. <i>Ecology</i> , 2021, 102, e03385.	3.2	7

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73	Size-Class Effect Contributes to Tree Species Assembly through Influencing Dispersal in Tropical Forests. <i>PLoS ONE</i> , 2014, 9, e108450.	2.5	6
74	Elevational Distribution of Adult Trees and Seedlings in a Tropical Montane Transect, Southwest China. <i>Mountain Research and Development</i> , 2016, 36, 342.	1.0	6
75	Contrasting effects of space and environment on functional and phylogenetic dissimilarity in a tropical forest. <i>Journal of Plant Ecology</i> , 2019, 12, 314-326.	2.3	6
76	Key Community Assembly Processes Switch between Scales in Shaping Beta Diversity in Two Primary Forests, Southwest China. <i>Forests</i> , 2020, 11, 1106.	2.1	6
77	Detecting Growth Phase Shifts Based on Leaf Trait Variation of a Canopy Dipterocarp Tree Species (<i>Parashorea chinensis</i>). <i>Forests</i> , 2020, 11, 1145.	2.1	6
78	Adaptive genetic diversity of dominant species contributes to species co-existence and community assembly. <i>Plant Diversity</i> , 2022, 44, 271-278.	3.7	6
79	Differences in pteridophyte diversity between limestone forests and non-limestone forests in the monsoonal tropics of southwestern China. <i>Plant Ecology</i> , 2019, 220, 917-934.	1.6	5
80	Fine scale heterogeneity of soil properties causes seedling spatial niche separation in a tropical rainforest. <i>Plant and Soil</i> , 2019, 438, 435-445.	3.7	5
81	Partial net primary production of a mixed dipterocarp forest: Spatial patterns and temporal dynamics. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 570-583.	3.0	4
82	Species associations of congeneric species in a tropical seasonal rain forest of China. <i>Journal of Tropical Ecology</i> , 2016, 32, 201-212.	1.1	4
83	Ecological drivers of tree assemblage in tropical, subtropical and subalpine forests. <i>Journal of Vegetation Science</i> , 2020, 31, 107-117.	2.2	4
84	Temporal trait plasticity predicts the growth of tropical trees. <i>Journal of Vegetation Science</i> , 2021, 32, e13056.	2.2	4
85	Seed dormancy profiles for forest dynamics plot data: focusing on a tropical seasonal rainforest in Xishuangbanna, southwest China. <i>Plant Biology</i> , 2021, 23, 420-426.	3.8	3
86	Intraspecific trait variation of woody species reduced in a savanna community, southwest China. <i>Plant Diversity</i> , 2022, 44, 163-169.	3.7	3
87	Spatial autocorrelation shapes liana distribution better than topography and host tree properties in a subtropical evergreen broadleaved forest in SW China. <i>Biotropica</i> , 2022, 54, 301-308.	1.6	3
88	Organic Carbon Storage and ^{14}C Apparent Age of Upland and Riparian Soils in a Montane Subtropical Moist Forest of Southwestern China. <i>Forests</i> , 2020, 11, 645.	2.1	2
89	Activity-density and spatial distribution of termites on a fine-scale in a tropical rainforest in Xishuangbanna, southwest China. <i>Soil Ecology Letters</i> , 2023, 5, 169-180.	4.5	2
90	Environmental and spatial contributions to seedling and adult tree assembly across tropical, subtropical and subalpine elevational gradients. <i>Journal of Plant Ecology</i> , 2019, 12, 103-112.	2.3	1

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91	Ontogenetic trait variation and metacommunity effects influence species relative abundances during tree community assembly. <i>Plant Diversity</i> , 2022, 44, 360-368.	3.7	1
92	How does habitat filtering affect the detection of conspecific and phylogenetic density dependence?. <i>Ecology</i> , 2016, , .	3.2	1
93	Quantifying the vertical microclimate profile within a tropical seasonal rainforest, based on both ground- and canopy-referenced approaches. <i>IForest</i> , 2022, 15, 24-32.	1.4	0