

Kun-Fang Cao

List of Publications by Year in descending order

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174
papers

7,434
citations

50276

46
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71685

76
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182
all docs

182
docs citations

182
times ranked

7481
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak tradeoff between xylem safety and xylem-specific hydraulic efficiency across the world's woody plant species. <i>New Phytologist</i> , 2016, 209, 123-136.	7.3	466
2	Root structure-function relationships in 74 species: evidence of a root economics spectrum related to carbon economy. <i>New Phytologist</i> , 2016, 210, 815-826.	7.3	358
3	Global analysis of plasticity in turgor loss point, a key drought tolerance trait. <i>Ecology Letters</i> , 2014, 17, 1580-1590.	6.4	234
4	Rapid determination of comparative drought tolerance traits: using an osmometer to predict turgor loss point. <i>Methods in Ecology and Evolution</i> , 2012, 3, 880-888.	5.2	183
5	Cyclic electron flow plays an important role in photoprotection for the resurrection plant <i>Paraboea rufescens</i> under drought stress. <i>Planta</i> , 2012, 235, 819-828.	3.2	176
6	Leaf element concentrations of terrestrial plants across China are influenced by taxonomy and the environment. <i>Global Ecology and Biogeography</i> , 2012, 21, 809-818.	5.8	167
7	Gas exchange, chlorophyll fluorescence, and osmotic adjustment in two mango cultivars under drought stress. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 769-777.	2.1	155
8	Hydraulic conductivity traits predict growth rates and adult stature of 40 Asian tropical tree species better than wood density. <i>Journal of Ecology</i> , 2012, 100, 732-741.	4.0	133
9	Stem and leaf hydraulics of congeneric tree species from adjacent tropical savanna and forest ecosystems. <i>Oecologia</i> , 2008, 155, 405-415.	2.0	131
10	Tree ring density-based summer temperature reconstruction for the central Hengduan Mountains in southern China. <i>Global and Planetary Change</i> , 2009, 65, 1-11.	3.5	130
11	Stem hydraulic traits and leaf water-stress tolerance are co-ordinated with the leaf phenology of angiosperm trees in an Asian tropical dry karst forest. <i>Annals of Botany</i> , 2012, 110, 189-199.	2.9	130
12	Leaf turgor loss point is correlated with drought tolerance and leaf carbon economics traits. <i>Tree Physiology</i> , 2018, 38, 658-663.	3.1	126
13	Stem hydraulics mediates leaf water status, carbon gain, nutrient use efficiencies and plant growth rates across dipterocarp species. <i>Functional Ecology</i> , 2009, 23, 658-667.	3.6	116
14	Water-use advantage for lianas over trees in tropical seasonal forests. <i>New Phytologist</i> , 2015, 205, 128-136.	7.3	115
15	Growth-climate responses of high-elevation conifers in the central Hengduan Mountains, southwestern China. <i>Forest Ecology and Management</i> , 2009, 258, 306-313.	3.2	113
16	Midday stomatal conductance is more related to stem rather than leaf water status in subtropical deciduous and evergreen broadleaf trees. <i>Plant, Cell and Environment</i> , 2013, 36, 149-158.	5.7	110
17	Stimulation of Cyclic Electron Flow During Recovery After Chilling-Induced Photoinhibition of PSII. <i>Plant and Cell Physiology</i> , 2010, 51, 1922-1928.	3.1	108
18	Tree-ring based drought reconstruction in the central Hengduan Mountains region (China) since A.D. 1655. <i>International Journal of Climatology</i> , 2008, 28, 1879-1887.	3.5	107

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19	Spatial and temporal temperature trends on the Yunnan Plateau (Southwest China) during 1961–2004. <i>International Journal of Climatology</i> , 2011, 31, 2078-2090.	3.5	105
20	Foliar application of nanoparticles mitigates the chilling effect on photosynthesis and photoprotection in sugarcane. <i>Plant Physiology and Biochemistry</i> , 2020, 149, 50-60.	5.8	103
21	Size-dependent mortality in a Neotropical savanna tree: the role of height-related adjustments in hydraulic architecture and carbon allocation. <i>Plant, Cell and Environment</i> , 2009, 32, 1456-1466.	5.7	96
22	Hydraulic properties and photosynthetic rates in co-occurring lianas and trees in a seasonal tropical rainforest in southwestern China. <i>Plant Ecology</i> , 2009, 204, 295-304.	1.6	95
23	The different effects of chilling stress under moderate light intensity on photosystem II compared with photosystem I and subsequent recovery in tropical tree species. <i>Photosynthesis Research</i> , 2010, 103, 175-182.	2.9	85
24	Cyclic Electron Flow Plays an Important Role in Photoprotection of Tropical Trees Illuminated at Temporal Chilling Temperature. <i>Plant and Cell Physiology</i> , 2011, 52, 297-305.	3.1	85
25	Differentiation of leaf water flux and drought tolerance traits in hemiepiphytic and non-hemiepiphytic <i>Ficus</i> tree species. <i>Functional Ecology</i> , 2010, 24, 731-740.	3.6	78
26	A Framework for Identifying Plant Species to Be Used as “Ecological Engineers” for Fixing Soil on Unstable Slopes. <i>PLoS ONE</i> , 2014, 9, e95876.	2.5	75
27	Water relations and gas exchange of tropical saplings during a prolonged drought in a Bornean heath forest, with reference to root architecture. <i>Journal of Tropical Ecology</i> , 2000, 16, 101-116.	1.1	74
28	Spatial patterns of wood traits in China are controlled by phylogeny and the environment. <i>Global Ecology and Biogeography</i> , 2011, 20, 241-250.	5.8	73
29	Contrasting cost-benefit strategy between lianas and trees in a tropical seasonal rain forest in southwestern China. <i>Oecologia</i> , 2010, 163, 591-599.	2.0	69
30	Tree ring recorded May–August temperature variations since A.D. 1585 in the Gaoligong Mountains, southeastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 296, 94-102.	2.3	69
31	Independence of stem and leaf hydraulic traits in six Euphorbiaceae tree species with contrasting leaf phenology. <i>Planta</i> , 2009, 230, 459-468.	3.2	68
32	The maximum height of grasses is determined by roots. <i>Ecology Letters</i> , 2012, 15, 666-672.	6.4	66
33	Evolutionary Association of Stomatal Traits with Leaf Vein Density in <i>Paphiopedilum</i> , Orchidaceae. <i>PLoS ONE</i> , 2012, 7, e40080.	2.5	64
34	Differences in the responses of photosystem I and photosystem II of three tree species <i>Cleistanthus sumatranus</i> , <i>Celtis philippensis</i> and <i>Pistacia weinmannifolia</i> exposed to a prolonged drought in a tropical limestone forest. <i>Tree Physiology</i> , 2013, 33, 211-220.	3.1	62
35	Leaf anatomy and chlorophyll content of 12 woody species in contrasting light conditions in a Bornean heath forest. <i>Canadian Journal of Botany</i> , 2000, 78, 1245-1253.	1.1	62
36	Leaf anatomy and chlorophyll content of 12 woody species in contrasting light conditions in a Bornean heath forest. <i>Canadian Journal of Botany</i> , 2000, 78, 1245-1253.	1.1	61

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37	Annual temperature reconstruction in the central Hengduan Mountains, China, as deduced from tree rings. <i>Dendrochronologia</i> , 2008, 26, 97-107.	2.2	60
38	Gas exchange and hydraulics in seedlings of <i>Hevea brasiliensis</i> during water stress and recovery. <i>Tree Physiology</i> , 2010, 30, 876-885.	3.1	60
39	Are leaves more vulnerable to cavitation than branches?. <i>Functional Ecology</i> , 2016, 30, 1740-1744.	3.6	60
40	Plant ecology of tropical and subtropical karst ecosystems. <i>Biotropica</i> , 2019, 51, 626-640.	1.6	60
41	Recovery of diurnal depression of leaf hydraulic conductance in a subtropical woody bamboo species: embolism refilling by nocturnal root pressure. <i>Tree Physiology</i> , 2012, 32, 414-422.	3.1	59
42	Seedling Growth Strategies in <i>Bauhinia</i> Species: Comparing Lianas and Trees. <i>Annals of Botany</i> , 2007, 100, 831-838.	2.9	56
43	Hydraulic redistribution in dwarf <i>Rhizophora</i> mangrove trees driven by interstitial soil water salinity gradients: impacts on hydraulic architecture and gas exchange. <i>Tree Physiology</i> , 2009, 29, 697-705.	3.1	54
44	Strong leaf morphological, anatomical, and physiological responses of a subtropical woody bamboo (<i>Sinarundinaria nitida</i>) to contrasting light environments. <i>Plant Ecology</i> , 2014, 215, 97-109.	1.6	54
45	Ecology of hemiepiphytism in fig species is based on evolutionary correlation of hydraulics and carbon economy. <i>Ecology</i> , 2011, 92, 2117-2130.	3.2	53
46	Inter-specific variation of photosynthetic and xylem hydraulic traits in the deciduous and evergreen Euphorbiaceae tree species from a seasonally tropical forest in southwestern China. <i>Ecological Research</i> , 2009, 24, 65-73.	1.5	51
47	Seasonal variation in photosynthesis in six woody species with different leaf phenology in a valley savanna in southwestern China. <i>Trees - Structure and Function</i> , 2007, 21, 631-643.	1.9	47
48	Testing the plant pneumatic method to estimate xylem embolism resistance in stems of temperate trees. <i>Tree Physiology</i> , 2018, 38, 1016-1025.	3.1	47
49	Photosynthetic Characteristics, Dark Respiration, and Leaf Mass Per Unit Area in Seedlings of Four Tropical Tree Species Grown Under Three Irradiances. <i>Photosynthetica</i> , 2004, 42, 431-437.	1.7	46
50	Is xylem of angiosperm leaves less resistant to embolism than branches? Insights from microCT, hydraulics, and anatomy. <i>Journal of Experimental Botany</i> , 2018, 69, 5611-5623.	4.8	46
51	The cover uncovered: Bark control over wood decomposition. <i>Journal of Ecology</i> , 2018, 106, 2147-2160.	4.0	45
52	No gas source, no problem: Proximity to pre-existing embolism and segmentation affect embolism spreading in angiosperm xylem by gas diffusion. <i>Plant, Cell and Environment</i> , 2021, 44, 1329-1345.	5.7	43
53	Leaf Photosynthetic Rate of Tropical Ferns Is Evolutionarily Linked to Water Transport Capacity. <i>PLoS ONE</i> , 2014, 9, e84682.	2.5	42
54	Hydraulic traits are more diverse in flowers than in leaves. <i>New Phytologist</i> , 2019, 223, 193-203.	7.3	42

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55	Extending the generality of leaf economic design principles in the cycads, an ancient lineage. <i>New Phytologist</i> , 2015, 206, 817-829.	7.3	41
56	Photosynthesis, non-photochemical pathways and activities of antioxidant enzymes in a resilient evergreen oak under different climatic conditions from a valley savanna in Southwest China. <i>Physiologia Plantarum</i> , 2009, 135, 62-72.	5.2	40
57	Extended leaf senescence promotes carbon gain and nutrient resorption: importance of maintaining winter photosynthesis in subtropical forests. <i>Oecologia</i> , 2013, 173, 721-730.	2.0	40
58	Termites amplify the effects of wood traits on decomposition rates among multiple bamboo and dicot woody species. <i>Journal of Ecology</i> , 2015, 103, 1214-1223.	4.0	38
59	Different hydraulic traits of woody plants from tropical forests with contrasting soil water availability. <i>Tree Physiology</i> , 2017, 37, 1469-1477.	3.1	38
60	Above- and below-ground competition in high and low irradiance: tree seedling responses to a competing liana <i>Byttneria grandifolia</i> . <i>Journal of Tropical Ecology</i> , 2008, 24, 517-524.	1.1	37
61	Sustained diurnal photosynthetic depression in uppermost-canopy leaves of four dipterocarp species in the rainy and dry seasons: does photorespiration play a role in photoprotection?. <i>Tree Physiology</i> , 2008, 29, 217-228.	3.1	36
62	Axial and Radial Variations in Xylem Anatomy of Angiosperm and Conifer Trees in Yunnan, China. <i>IAWA Journal</i> , 2009, 30, 1-13.	2.7	36
63	Evidence for the role of cyclic electron flow in photoprotection for oxygen-evolving complex. <i>Journal of Plant Physiology</i> , 2016, 194, 54-60.	3.5	35
64	An observational study of the carbon-sink strength of East Asian subtropical evergreen forests. <i>Environmental Research Letters</i> , 2012, 7, 044017.	5.2	33
65	Factors controlling bark decomposition and its role in wood decomposition in five tropical tree species. <i>Scientific Reports</i> , 2016, 6, 34153.	3.3	33
66	Drought tolerance as a driver of tropical forest assembly: resolving spatial signatures for multiple processes. <i>Ecology</i> , 2016, 97, 503-514.	3.2	32
67	More sensitive response of crown conductance to VPD and larger water consumption in tropical evergreen than in deciduous broadleaf timber trees. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 399-407.	4.8	32
68	Physiological regulation and efficient xylem water transport regulate diurnal water and carbon balances of tropical lianas. <i>Functional Ecology</i> , 2017, 31, 306-317.	3.6	32
69	Allometry, root/shoot ratio and root architecture in understory saplings of deciduous dicotyledonous trees in central Japan. <i>Ecological Research</i> , 1998, 13, 217-227.	1.5	31
70	Weak co-ordination between vein and stomatal densities in 105 angiosperm tree species along altitudinal gradients in Southwest China. <i>Functional Plant Biology</i> , 2016, 43, 1126.	2.1	31
71	Hydraulic prediction of drought-induced plant dieback and top-kill depends on leaf habit and growth form. <i>Ecology Letters</i> , 2021, 24, 2350-2363.	6.4	31
72	Is fog an important water source for woody plants in an Asian tropical karst forest during the dry season?. <i>Ecohydrology</i> , 2016, 9, 964-972.	2.4	30

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73	Divergent Hydraulic Safety Strategies in Three Co-occurring Anacardiaceae Tree Species in a Chinese Savanna. <i>Frontiers in Plant Science</i> , 2016, 7, 2075.	3.6	30
74	New multivariate tests for phylogenetic signal and trait correlations applied to ecophysiological phenotypes of nine <i>Manglietia</i> species. <i>Functional Ecology</i> , 2009, 23, 1059-1069.	3.6	29
75	Photosynthetic thermotolerance of woody savanna species in China is correlated with leaf life span. <i>Annals of Botany</i> , 2012, 110, 1027-1033.	2.9	29
76	Freezing resistance in Patagonian woody shrubs: the role of cell wall elasticity and stem vessel size. <i>Tree Physiology</i> , 2016, 36, 1007-1018.	3.1	29
77	Climatic range and distribution of Chinese <i>Fagus</i> species. <i>Journal of Vegetation Science</i> , 1995, 6, 317-324.	2.2	27
78	Thermal dissipation, leaf rolling and inactivation of PSII reaction centres in <i>Amomum villosum</i> . <i>Journal of Tropical Ecology</i> , 2002, 18, 865-876.	1.1	27
79	Photosynthesis and photoinhibition after night chilling in seedlings of two tropical tree species grown under three irradiances. <i>Photosynthetica</i> , 2005, 43, 567-574.	1.7	27
80	Nocturnal transpiration in 18 broadleaf timber species under a tropical seasonal climate. <i>Forest Ecology and Management</i> , 2018, 418, 47-54.	3.2	27
81	Steady and dynamic photosynthetic responses of seedlings from contrasting successional groups under low light growth conditions. <i>Physiologia Plantarum</i> , 2011, 141, 84-95.	5.2	26
82	Speed versus endurance tradeoff in plants: Leaves with higher photosynthetic rates show stronger seasonal declines. <i>Scientific Reports</i> , 2017, 7, 42085.	3.3	26
83	The Heterogeneity and Spatial Patterning of Structure and Physiology across the Leaf Surface in Giant Leaves of <i>Alocasia macrorrhiza</i> . <i>PLoS ONE</i> , 2013, 8, e66016.	2.5	25
84	The contrasting leaf functional traits between a karst forest and a nearby non-karst forest in south-west China. <i>Functional Plant Biology</i> , 2019, 46, 907.	2.1	25
85	Leaf anatomical structure and photosynthetic induction for seedlings of five dipterocarp species under contrasting light conditions in a Bornean heath forest. <i>Journal of Tropical Ecology</i> , 2001, 17, 163-175.	1.1	24
86	Tropical forest structure and understorey determine subsurface flow through biopores formed by plant roots. <i>Catena</i> , 2019, 181, 104061.	5.0	24
87	Title is missing!. <i>Plant Ecology</i> , 1999, 145, 281-290.	1.6	23
88	Epiphytes and hemiepiphytes have slower photosynthetic response to lightflecks than terrestrial plants: evidence from ferns and figs. <i>Journal of Tropical Ecology</i> , 2009, 25, 465-472.	1.1	23
89	Salt management strategy defines the stem and leaf hydraulic characteristics of six mangrove tree species. <i>Tree Physiology</i> , 2017, 37, 389-401.	3.1	23
90	Acclimation to irradiance in seedlings of three tropical rain forest <i>Garcinia</i> species after simulated gap formation. <i>Photosynthetica</i> , 2006, 44, 193-201.	1.7	22

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91	Changes in activities of antioxidative system and monoterpene and photochemical efficiency during seasonal leaf senescence in <i>Hevea brasiliensis</i> trees. <i>Acta Physiologiae Plantarum</i> , 2007, 30, 1-9.	2.1	22
92	Photosynthetic induction in leaves of co-occurring <i>Fagus lucida</i> and <i>Castanopsis lamontii</i> saplings grown in contrasting light environments. <i>Trees - Structure and Function</i> , 2008, 22, 449-462.	1.9	22
93	Evidence for leaf fold to remedy the deficiency of physiological photoprotection for photosystem II. <i>Photosynthesis Research</i> , 2012, 110, 185-191.	2.9	21
94	Determinants of water circulation in a woody bamboo species: afternoon use and night-time recharge of culm water storage. <i>Tree Physiology</i> , 2015, 35, 964-974.	3.1	21
95	Topography strongly affects drought stress and xylem embolism resistance in woody plants from a karst forest in Southwest China. <i>Functional Ecology</i> , 2021, 35, 566-577.	3.6	21
96	The effect of drought on photosynthesis in two epiphytic and two terrestrial tropical fern species. <i>Photosynthetica</i> , 2009, 47, 128-132.	1.7	20
97	Differentiation in light energy dissipation between hemiepiphytic and non-hemiepiphytic <i>Ficus</i> species with contrasting xylem hydraulic conductivity. <i>Tree Physiology</i> , 2011, 31, 626-636.	3.1	20
98	Time lags between crown and basal sap flows in tropical lianas and co-occurring trees. <i>Tree Physiology</i> , 2016, 36, 736-747.	3.1	20
99	Leaf trait variations associated with habitat affinity of tropical karst tree species. <i>Ecology and Evolution</i> , 2018, 8, 286-295.	1.9	20
100	<i>Trochodendron aralioides</i> , the first chromosome-level draft genome in Trochodendrales and a valuable resource for basal eudicot research. <i>GigaScience</i> , 2019, 8, .	6.4	20
101	Slow photosynthetic induction and low photosynthesis in <i>Paphiopedilum armeniacum</i> are related to its lack of guard cell chloroplast and peculiar stomatal anatomy. <i>Physiologia Plantarum</i> , 2011, 142, 118-127.	5.2	19
102	Seasonal dynamics in photosynthesis of woody plants at the northern limit of Asian tropics: potential role of fog in maintaining tropical rainforests and agriculture in Southwest China. <i>Tree Physiology</i> , 2014, 34, 1069-1078.	3.1	19
103	Sustained Diurnal Stimulation of Cyclic Electron Flow in Two Tropical Tree Species <i>Erythrophleum guineense</i> and <i>Khaya ivorensis</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1068.	3.6	19
104	Environmental filtering and dispersal limitation jointly shaped the taxonomic and phylogenetic beta diversity of natural forests in southern China. <i>Ecology and Evolution</i> , 2021, 11, 8783-8794.	1.9	19
105	Morphology and growth of deciduous and evergreen broad-leaved saplings under different light conditions in a Chinese beech forest with dense bamboo undergrowth. <i>Ecological Research</i> , 2001, 16, 509-517.	1.5	18
106	Productive leaf functional traits of Chinese savanna species. <i>Plant Ecology</i> , 2012, 213, 1449-1460.	1.6	18
107	Carbon Economy of Subtropical Forests. <i>Tree Physiology</i> , 2016, , 337-355.	2.5	18
108	Chromosome-level reference genome of the sour sop (<i>Annona muricata</i>): A new resource for Magnoliid research and tropical pomology. <i>Molecular Ecology Resources</i> , 2021, 21, 1608-1619.	4.8	18

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109	Correlations between allocation to foliar phosphorus fractions and maintenance of photosynthetic integrity in six mangrove populations as affected by chilling. <i>New Phytologist</i> , 2021, 232, 2267-2282.	7.3	18
110	Seasonal variations in gas exchange and chlorophyll fluorescence in the leaves of five mango cultivars in southern Yunnan, China. <i>Journal of Horticultural Science and Biotechnology</i> , 2007, 82, 855-862.	1.9	17
111	Potential hydraulic efficiency in angiosperm trees increases with growth-site temperature but has no trade-off with mechanical strength. <i>Global Ecology and Biogeography</i> , 2013, 22, 971-981.	5.8	17
112	Understanding the ecosystem implications of the angiosperm rise to dominance: leaf litter decomposability among magnoliids and other basal angiosperms. <i>Journal of Ecology</i> , 2014, 102, 337-344.	4.0	17
113	Increased water use in dry season in eight dipterocarp species in a common plantation in the northern boundary of Asian tropics. <i>Ecohydrology</i> , 2016, 9, 871-881.	2.4	17
114	Drought tolerance traits predict survival ratio of native tree species planted in a subtropical degraded hilly area in South China. <i>Forest Ecology and Management</i> , 2018, 418, 41-46.	3.2	17
115	Quantifying the factors affecting wood decomposition across a tropical forest disturbance gradient. <i>Forest Ecology and Management</i> , 2020, 468, 118166.	3.2	17
116	Stem and leaf xylem of angiosperm trees experiences minimal embolism in temperate forests during two consecutive summers with moderate drought. <i>Plant Biology</i> , 2022, 24, 1208-1223.	3.8	17
117	Responses of two field-grown coffee species to drought and re-hydration. <i>Photosynthetica</i> , 2005, 43, 187-193.	1.7	16
118	Identification and Evaluation of Single-Nucleotide Polymorphisms in Allotetraploid Peanut (<i>Arachis</i>). <i>Frontiers in Plant Science</i> , 2015, 6, 1068.	3.6	16
119	Increasing axial parenchyma fraction in the Malagasy Magnoliids facilitated the co-optimisation of hydraulic efficiency and safety. <i>New Phytologist</i> , 2021, 229, 1467-1480.	7.3	16
120	Species diversity of Chinese beech forests in relation to warmth and climatic disturbances. <i>Ecological Research</i> , 1997, 12, 175-189.	1.5	15
121	Is hemiepiphytism an adaptation to high irradiance? Testing seedling responses to light levels and drought in hemiepiphytic and non-hemiepiphytic <i>Ficus</i> . <i>Physiologia Plantarum</i> , 2013, 148, 74-86.	5.2	15
122	Stable stomatal number per minor vein length indicates the coordination between leaf water supply and demand in three leguminous species. <i>Scientific Reports</i> , 2017, 7, 2211.	3.3	15
123	Hydraulic safety margins of co-occurring woody plants in a tropical karst forest experiencing frequent extreme droughts. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108107.	4.8	15
124	China and India: Toward a sustainable world. <i>Science</i> , 2020, 369, 515-515.	12.6	15
125	Inhibition of monoterpene biosynthesis accelerates oxidative stress and leads to enhancement of antioxidant defenses in leaves of rubber tree (<i>Hevea brasiliensis</i>). <i>Acta Physiologiae Plantarum</i> , 2009, 31, 95-101.	2.1	13
126	Temporal Changes of Ecosystem Carbon Stocks in Rubber Plantations in Xishuangbanna, Southwest China. <i>Pedosphere</i> , 2017, 27, 737-746.	4.0	13

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127	Large branch and leaf hydraulic safety margins in subtropical evergreen broadleaved forest. <i>Tree Physiology</i> , 2019, 39, 1405-1415.	3.1	13
128	Fungal succession in decomposing woody debris across a tropical forest disturbance gradient. <i>Soil Biology and Biochemistry</i> , 2021, 155, 108142.	8.8	13
129	The relationship between acoustic indices, elevation, and vegetation, in a forest plot network of southern China. <i>Ecological Indicators</i> , 2021, 129, 107942.	6.3	13
130	Leaf hydraulic safety margin and safetyâ€œefficiency trade-off across angiosperm woody species. <i>Biology Letters</i> , 2020, 16, 20200456.	2.3	13
131	Isoprenoid emissions of trees in a tropical rainforest in Xishuangbanna, SW China. <i>Atmospheric Environment</i> , 2007, 41, 3748-3757.	4.1	12
132	Correct calculation of CO_2 efflux using a closedâ€œchamber linked to a nonâ€œdispersive infrared gas analyzer. <i>Methods in Ecology and Evolution</i> , 2015, 6, 1435-1442.	5.2	12
133	Interspecific variation in branch and leaf traits among three <i>Syzygium</i> tree species from different successional tropical forests. <i>Functional Plant Biology</i> , 2015, 42, 423.	2.1	12
134	The physiological cold tolerance of warm-climate plants is correlated with their latitudinal range limit. <i>Biology Letters</i> , 2018, 14, 20180277.	2.3	12
135	Photosynthesis and antioxidant enzyme activity in breadfruit, jackfruit and mangosteen in Southern Yunnan, China. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 168-172.	1.9	11
136	Convergent Evolution towards High Net Carbon Gain Efficiency Contributes to the Shade Tolerance of Palms (Arecaceae). <i>PLoS ONE</i> , 2015, 10, e0140384.	2.5	11
137	Characteristics of typhoon disturbed gaps in an old-growth tropical montane rainforest in Hainan Island, China. <i>Journal of Forestry Research</i> , 2017, 28, 1231-1239.	3.6	11
138	Different biomechanical design and ecophysiological strategies in juveniles of two liana species with contrasting growth habit. <i>American Journal of Botany</i> , 2014, 101, 925-934.	1.7	10
139	Regulation of Photosystem II Heterogeneity and Photochemistry in Two Cultivars of C4 Crop Sugarcane Under Chilling Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 627012.	3.6	10
140	Implications of the Ecophysiological Adaptation of Plants on Tropical Karst Habitats for the Ecological Restoration of Desertified Rocky Lands in Southern China. <i>Scientia Sinica Vitae</i> , 2014, 44, 238-247.	0.3	10
141	Effect of night chilling on photosynthesis of two coffee species grown under different irradiances. <i>Journal of Horticultural Science and Biotechnology</i> , 2004, 79, 713-716.	1.9	9
142	A possible link between hydraulic properties and leaf habits in <i>Hevea brasiliensis</i> . <i>Functional Plant Biology</i> , 2015, 42, 718.	2.1	9
143	Functional trait variation related to gap dynamics in tropical moist forests: A vegetation modelling perspective. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 35, 52-64.	2.7	9
144	Differential responses of photosystems I and II to seasonal drought in two <i>Ficus</i> species. <i>Acta Oecologica</i> , 2016, 73, 53-60.	1.1	8

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146	Canopy water status and photosynthesis of tropical trees are associated with trunk sapwood hydraulic properties. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 724-730.	5.8	8
147	The effects of intervessel pit characteristics on xylem hydraulic efficiency and photosynthesis in hemiepiphytic and non-hemiepiphytic <i>Ficus</i> species. <i>Physiologia Plantarum</i> , 2019, 167, 661-675.	5.2	8
148	Models to estimate the above and below ground carbon stocks from a subtropical scrub forest of Pakistan. <i>Global Ecology and Conservation</i> , 2021, 27, e01539.	2.1	8
149	Correlations between leaf economics, mechanical resistance and drought tolerance across 41 cycad species. <i>Annals of Botany</i> , 2022, 130, 345-354.	2.9	8
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152	Hydraulic vulnerability segmentation in compound-leaved trees: evidence from an embolism visualization technique. <i>Plant Physiology</i> , 2022, , .	4.8	7
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158	Different Drought-adaptation Strategies as Characterized by Hydraulic and Water-relations Traits of Evergreen and Deciduous Figs in a Tropical Karst Forest. <i>Zhi Wu Ke Xue Xue Bao</i> , 2012, 30, 484.	0.1	5
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160	Differentiation in Leaf Physiological Traits Related to Shade and Drought Tolerance Underlies Contrasting Adaptations of Two <i>Cyclobalanopsis</i> (Fagaceae) Species at the Seedling Stage. <i>Forests</i> , 2020, 11, 844.	2.1	4
161	Contrasting Water Use, Stomatal Regulation, Embolism Resistance, and Drought Responses of Two Co-Occurring Mangroves. <i>Water (Switzerland)</i> , 2021, 13, 1945.	2.7	4
162	Regeneration responses to water and temperature stress drive recruitment success in hemiepiphytic fig species. <i>Tree Physiology</i> , 2021, 41, 358-370.	3.1	4

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164	Physiological Role of Cyclic Electron Flow in Higher Plants. <i>Zhi Wu Ke Xue Xue Bao</i> , 2012, 30, 100.	0.1	3
165	The physiological advantage of an ecological filter species, <i>Indocalamus longiauritus</i> , over co-occurring <i>Fagus lucida</i> and <i>Castanopsis lamontii</i> seedlings. <i>Ecological Research</i> , 2011, 26, 15-25.	1.5	2
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167	Co-ordination between leaf biomechanical resistance and hydraulic safety across 30 sub-tropical woody species. <i>Annals of Botany</i> , 2021, 128, 183-191.	2.9	2
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169	Gas exchange and hydraulic function in seedlings of three basal angiosperm tree-species during water-withholding and re-watering. <i>Global Ecology and Conservation</i> , 2021, 28, e01702.	2.1	1
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