Hui Liu

List of Publications by Year
in descending order

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38 papers	1,389 citations	394286 19 h-index	360920 35 g-index
38 all docs	38 docs citations	38 times ranked	2683 citing authors

#	Article	IF	Citations
1	Distribution, utilization structure and potential of biomass resources in rural China: With special references of crop residues. Renewable and Sustainable Energy Reviews, 2008, 12, 1402-1418.	8.2	236
2	Leaf turgor loss point is correlated with drought tolerance and leaf carbon economics traits. Tree Physiology, 2018, 38, 658-663.	1.4	126
3	Hydraulic traits are coordinated with maximum plant height at the global scale. Science Advances, 2019, 5, eaav1332.	4.7	113
4	Strong phylogenetic signals and phylogenetic niche conservatism in ecophysiological traits across divergent lineages of Magnoliaceae. Scientific Reports, 2015, 5, 12246.	1.6	60
5	Are leaves more vulnerable to cavitation than branches?. Functional Ecology, 2016, 30, 1740-1744.	1.7	60
6	Differential Responses of Stomata and Photosynthesis to Elevated Temperature in Two Co-occurring Subtropical Forest Tree Species. Frontiers in Plant Science, 2018, 9, 467.	1.7	58
7	Using functional trait diversity patterns to disentangle the scaleâ€dependent ecological processes in a subtropical forest. Functional Ecology, 2018, 32, 1379-1389.	1.7	53
8	Water relations traits of C4 grasses depend on phylogenetic lineage, photosynthetic pathway, and habitat water availability. Journal of Experimental Botany, 2015, 66, 761-773.	2.4	51
9	Phylogenetic niche conservatism in C4 grasses. Oecologia, 2012, 170, 835-845.	0.9	49
10	Climatic-niche evolution follows similar rules in plants and animals. Nature Ecology and Evolution, 2020, 4, 753-763.	3.4	49
11	Weak tradeoff between xylem hydraulic efficiency and safety: climatic seasonality matters. New Phytologist, 2021, 229, 1440-1452.	3.5	49
12	Biodiversity conservation in a fast-growing metropolitan area in China: a case study of plant diversity in Beijing. Biodiversity and Conservation, 2007, 16, 4025-4038.	1.2	45
13	Adsorption of (â˜)-epigallocatechin-3-gallate (EGCG) onto oat Î²-glucan. Food Chemistry, 2012, 132, 1936-1943.	4.2	45
14	Wood density predicts mortality threshold for diverse trees. New Phytologist, 2021, 229, 3053-3057.	3.5	42
15	Stereotypic behavior and fecal cortisol level in captive giant pandas in relation to environmental enrichment. Zoo Biology, 2006, 25, 445-459.	0.5	41
16	Leaf mechanical strength and photosynthetic capacity vary independently across 57 subtropical forest species with contrasting light requirements. New Phytologist, 2019, 223, 607-618.	3.5	37
17	Invasion Possibility and Potential Effects of Rhus typhina on Beijing Municipality. Journal of Integrative Plant Biology, 2008, 50, 522-530.	4.1	36
18	Growingâ€season temperature and precipitation are independent drivers of global variation in xylem hydraulic conductivity. Global Change Biology, 2020, 26, 1833-1841.	4.2	36

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19	Precipitation has dominant influences on the variation of plant hydraulics of the native Castanopsis fargesii (Fagaceae) in subtropical China. Agricultural and Forest Meteorology, 2019, 271, 83-91.	1.9	24
20	Life history is a key factor explaining functional trait diversity among subtropical grasses, and its influence differs between C3 and C4 species. Journal of Experimental Botany, 2019, 70, 1567-1580.	2.4	22
21	Tropical tall forests are more sensitive and vulnerable to drought than short forests. Global Change Biology, 2022, 28, 1583-1595.	4.2	20
22	Plant extinction excels plant speciation in the Anthropocene. BMC Plant Biology, 2020, 20, 430.	1.6	18
23	Shifts in functional traitâ€“species abundance relationships over secondary subalpine meadow succession in the Qinghaiâ€“Tibetan Plateau. Oecologia, 2018, 188, 547-557.	0.9	17
24	Water transport from stem to stomata: the coordination of hydraulic and gas exchange traits across 33 subtropical woody species. Tree Physiology, 2019, 39, 1665-1674.	1.4	15
25	Linking vein properties to leaf biomechanics across 58 woody species from a subtropical forest. Plant Biology, 2020, 22, 212-220.	1.8	14
26	Can evolutionary history predict plant plastic responses to climate change?. New Phytologist, 2022, 235, 1260-1271.	3.5	14
27	Different water relations between flowering and leaf periods: a case study in flower-before-leaf-emergence Magnolia species. Functional Plant Biology, 2017, 44, 1098.	1.1	12
28	Greater hydraulic safety contributes to higher growth resilience to drought across seven pine species in a semi-arid environment. Tree Physiology, 2022, 42, 727-739.	1.4	9
29	Habitat filtering and exclusion of weak competitors jointly explain fern species assemblage along a light and water gradient. Scientific Reports, 2017, 7, 298.	1.6	8
30	Uncovering the spatioâ€temporal drivers of species trait variances: a case study of Magnoliaceae in China. Journal of Biogeography, 2016, 43, 1179-1191.	1.4	6
31	Ecophysiological responses of two closely related Magnoliaceae genera to seasonal changes in subtropical China. Journal of Plant Ecology, 2018, 11, 434-444.	1.2	6
32	Phylogeny and ecological processes influence grass coexistence at different spatial scales within the steppe biome. Oecologia, 2019, 191, 25-38.	0.9	6
33	Early direct competition does not determine the community structure in a desert riparian forest. Scientific Reports, 2018, 8, 4531.	1.6	5
34	C4 trees have a broader niche than their close C3 relatives. Journal of Experimental Botany, 2022, 73, 3189-3204.	2.4	4
35	Intraspecific variability of ecophysiological traits of four Magnoliaceae species growing in two climatic regions in China. Plant Ecology, 2017, 218, 407-415.	0.7	2
36	Pennisetum Hydrumâ€™s Potential for Controlling Invasive Chromolaena Odorata. Sustainability, 2019, 11, 5990.	1.6	1

#	Article	IF	Citations
37	Diversity of Reproductive Phenology Among Subtropical Grasses Is Constrained by Evolution and Climatic Niche. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	0
38	ä¹çšç»´ç®¡æ‰©æ°´åŠ›æ€§çŠ¶„æ¼”åŒ–è¶‹åŠ¿. Chinese Journal of Plant Ecology, 2018, 42, 220-228.	0.3	0