Lei Ouyang

List of Publications by Year
in descending order

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26	294	933447 10	996975 15
papers	citations	h-index	g-index

27	27	27	290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interpreting the water use strategies of plantation tree species by canopy stomatal conductance and its sensitivity to vapor pressure deficit in South China. Forest Ecology and Management, 2022, 505, 119940.	3.2	8
2	Urbanization intensifies tree sap flux but divergently for different tree species groups in China. Environmental Science and Pollution Research, 2022, 29, 27832-27844.	5.3	2
3	Stand age rather than soil moisture gradient mainly regulates the compromise between plant growth and water use of Eucalyptus urophylla in hilly South China. Land Degradation and Development, 2021, 32, 2423-2436.	3.9	9
4	Involvement of stem corticular photosynthesis in hydraulic maintenance of Eucalyptus trees and its effect on leaf gas exchange. Environmental and Experimental Botany, 2021, 186, 104451.	4.2	3
5	Consumption of precipitation by evapotranspiration indicates potential drought for broadleaved and coniferous plantations in hilly lands of South China. Agricultural Water Management, 2021, 252, 106927.	5.6	5
6	Mikania micrantha invasion enhances the carbon (C) transfer from plant to soil and mediates the soil C utilization through altering microbial community. Science of the Total Environment, 2020, 711, 135020.	8.0	14
7	Whole-plant water hydraulic integrity to predict drought-induced Eucalyptus urophylla mortality under drought stress. Forest Ecology and Management, 2020, 468, 118179.	3.2	31
8	Inconsistent Responses of Transpiration of Different Canopy Layers to Simulated Canopy and Understory N Depositions in a Lowâ€subtropical Evergreen Broadleaf Forest. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005594.	3.0	3
9	Assessing Environmental Control of Sap Flux of Three Tree Species Plantations in Degraded Hilly Lands in South China. Forests, 2020, 11, 206.	2.1	8
10	Speciesâ€specific transpiration and water use patterns of two pioneer dominant tree species under manipulated rainfall in a lowâ€subtropical secondary evergreen forest. Ecohydrology, 2020, 13, e2234.	2.4	12
11	High photosynthetic capacity and energy-use efficiency benefit both growth and chemical defense in invasive plants. Chemoecology, 2020, 30, 69-78.	1.1	8
12	Responses of sap flux and intrinsic water use efficiency to canopy and understory nitrogen addition in a temperate broadleaved deciduous forest. Science of the Total Environment, 2019, 648, 325-336.	8.0	29
13	Seasonal water use strategy of canopy tree species and possible implication for their coexistence in a subtropical secondary forest. Ecohydrology, 2019, 12, e2129.	2.4	2
14	Specific responses of sap flux and leaf functional traits to simulated canopy and understory nitrogen additions in a deciduous broadleaf forest. Functional Plant Biology, 2019, 46, 986.	2.1	6
15	The tree heightâ€related spatial variances of tree sap flux density and its scaleâ€up to stand transpiration in a subtropical evergreen broadleaf forest. Ecohydrology, 2018, 11, e1979.	2.4	11
16	Standâ€scale transpiration of a Eucalyptus urophyllaÂÃ—ÂEucalyptus grandis plantation and its potential hydrological implication. Ecohydrology, 2018, 11, e1938.	2.4	12
17	Responses of Tree Transpiration and Growth to Seasonal Rainfall Redistribution in a Subtropical Evergreen Broad-Leaved Forest. Ecosystems, 2018, 21, 811-826.	3.4	12
18	Biotic- and abiotic-driven variations of the night-time sap flux of three co-occurring tree species in a low subtropical secondary broadleaf forest. AoB PLANTS, 2018, 10, ply025.	2.3	10

#	Article	IF	Citations
19	Tree Species with Photosynthetic Stems Have Greater Nighttime Sap Flux. Frontiers in Plant Science, 2018, 9, 30.	3.6	12
20	The sap flow-based assessment of atmospheric trace gas uptake by three forest types in subtropical China on different timescales. Environmental Science and Pollution Research, 2018, 25, 28431-28444.	5.3	12
21	Effects of size and microclimate on whole-tree water use and hydraulic regulation inSchima superbatrees. PeerJ, 2018, 6, e5164.	2.0	7
22	Maximised photosynthetic capacity and decreased hydraulic failure risk during aging in the clump bamboo, Bambusa chungii. Functional Plant Biology, 2017, 44, 785.	2.1	10
23	Difference in response of water use to evaporative demand for codominant diffuseâ€porous versus ringâ€porous tree species under N addition in a temperate forest. Ecohydrology, 2017, 10, e1829.	2.4	9
24	Culm Age and Rhizome Affects Night-Time Water Recharge in the Bamboo Phyllostachys pubescens. Frontiers in Plant Science, 2017, 8, 1928.	3.6	15
25	Influence of the decoupling degree on the estimation of canopy stomatal conductance for two broadleaf tree species. Agricultural and Forest Meteorology, 2016, 221, 230-241.	4.8	39
26	Stomatal uptake of O 3 in a Schima superba plantation in subtropical China derived from sap flow measurements. Science of the Total Environment, 2016, 545-546, 465-475.	8.0	4