

Lei Ouyang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

294
citations

933447

10
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996975

15
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27
all docs

27
docs citations

27
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the decoupling degree on the estimation of canopy stomatal conductance for two broadleaf tree species. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 230-241.	4.8	39
2	Whole-plant water hydraulic integrity to predict drought-induced <i>Eucalyptus urophylla</i> mortality under drought stress. <i>Forest Ecology and Management</i> , 2020, 468, 118179.	3.2	31
3	Responses of sap flux and intrinsic water use efficiency to canopy and understory nitrogen addition in a temperate broadleaved deciduous forest. <i>Science of the Total Environment</i> , 2019, 648, 325-336.	8.0	29
4	Culm Age and Rhizome Affects Night-Time Water Recharge in the Bamboo <i>Phyllostachys pubescens</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1928.	3.6	15
5	<i>Mikania micrantha</i> invasion enhances the carbon (C) transfer from plant to soil and mediates the soil C utilization through altering microbial community. <i>Science of the Total Environment</i> , 2020, 711, 135020.	8.0	14
6	Stand-scale transpiration of a <i>Eucalyptus urophylla</i> – <i>Eucalyptus grandis</i> plantation and its potential hydrological implication. <i>Ecohydrology</i> , 2018, 11, e1938.	2.4	12
7	Responses of Tree Transpiration and Growth to Seasonal Rainfall Redistribution in a Subtropical Evergreen Broad-Leaved Forest. <i>Ecosystems</i> , 2018, 21, 811-826.	3.4	12
8	Tree Species with Photosynthetic Stems Have Greater Nighttime Sap Flux. <i>Frontiers in Plant Science</i> , 2018, 9, 30.	3.6	12
9	The sap flow-based assessment of atmospheric trace gas uptake by three forest types in subtropical China on different timescales. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28431-28444.	5.3	12
10	Species-specific transpiration and water use patterns of two pioneer dominant tree species under manipulated rainfall in a low-subtropical secondary evergreen forest. <i>Ecohydrology</i> , 2020, 13, e2234.	2.4	12
11	The tree height-related spatial variances of tree sap flux density and its scale up to stand transpiration in a subtropical evergreen broadleaf forest. <i>Ecohydrology</i> , 2018, 11, e1979.	2.4	11
12	Maximised photosynthetic capacity and decreased hydraulic failure risk during aging in the clump bamboo, <i>Bambusa chungii</i> . <i>Functional Plant Biology</i> , 2017, 44, 785.	2.1	10
13	Biotic- and abiotic-driven variations of the night-time sap flux of three co-occurring tree species in a low subtropical secondary broadleaf forest. <i>AoB PLANTS</i> , 2018, 10, ply025.	2.3	10
14	Difference in response of water use to evaporative demand for codominant diffuse-porous versus ring-porous tree species under N addition in a temperate forest. <i>Ecohydrology</i> , 2017, 10, e1829.	2.4	9
15	Stand age rather than soil moisture gradient mainly regulates the compromise between plant growth and water use of <i>Eucalyptus urophylla</i> in hilly South China. <i>Land Degradation and Development</i> , 2021, 32, 2423-2436.	3.9	9
16	Assessing Environmental Control of Sap Flux of Three Tree Species Plantations in Degraded Hilly Lands in South China. <i>Forests</i> , 2020, 11, 206.	2.1	8
17	High photosynthetic capacity and energy-use efficiency benefit both growth and chemical defense in invasive plants. <i>Chemoecology</i> , 2020, 30, 69-78.	1.1	8
18	Interpreting the water use strategies of plantation tree species by canopy stomatal conductance and its sensitivity to vapor pressure deficit in South China. <i>Forest Ecology and Management</i> , 2022, 505, 119940.	3.2	8

#	ARTICLE	IF	CITATIONS
19	Effects of size and microclimate on whole-tree water use and hydraulic regulation in <i>Schima superba</i> trees. PeerJ, 2018, 6, e5164.	2.0	7
20	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
21	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
22	Stomatal uptake of O ₃ in a <i>Schima superba</i> plantation in subtropical China derived from sap flow measurements. Science of the Total Environment, 2016, 545-546, 465-475.	8.0	4
23	Inconsistent Responses of Transpiration of Different Canopy Layers to Simulated Canopy and Understory N Depositions in a Low-Subtropical Evergreen Broadleaf Forest. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005594.	3.0	3
24	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
25	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
26	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