Yujie Wang

List of Publications by Year
in descending order

23	1,100	14	22
papers	citations	h-index	g-index
		623188	676716

30	30	30	1454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the impact of canopy model complexity on simulated carbon, water, and solar-induced chlorophyll fluorescence fluxes. Biogeosciences, 2022, 19, 29-45.	1.3	7
2	A Novel Environment-Friendly Adhesive Based on Recycling of Broussonetia papyrifera Leaf Forestry Waste Protein. Forests, 2022, 13, 291.	0.9	11
3	Global GOSAT, OCO-2, and OCO-3 solar-induced chlorophyll fluorescence datasets. Earth System Science Data, 2022, 14, 1513-1529.	3.7	23
4	GriddingMachine, a database and software for Earth system modeling at global and regional scales. Scientific Data, 2022, 9, .	2.4	4
5	Optimization theory explains nighttime stomatal responses. New Phytologist, 2021, 230, 1550-1561.	3.5	19
6	Coupled wholeâ€tree optimality and xylem hydraulics explain dynamic biomass partitioning. New Phytologist, 2021, 230, 2226-2245.	3.5	15
7	Accounting for canopy structure improves hyperspectral radiative transfer and sun-induced chlorophyll fluorescence representations in a new generation Earth System model. Remote Sensing of Environment, 2021, 261, 112497.	4.6	34
8	Detecting forest response to droughts with global observations of vegetation water content. Global Change Biology, 2021, 27, 6005-6024.	4.2	73
9	Mineral Luminescence Observed From Space. Geophysical Research Letters, 2021, 48, e2021GL095227.	1.5	7
10	Testing stomatal models at the stand level in deciduous angiosperm and evergreen gymnosperm forests using CliMA Land (v0.1). Geoscientific Model Development, 2021, 14, 6741-6763.	1.3	16
11	A theoretical and empirical assessment of stomatal optimization modeling. New Phytologist, 2020, 227, 311-325.	3.5	69
12	Do nano-particles cause recalcitrant vulnerability curves in<i>Robinia</i>? Testing with a four-cuvette Cochard rotor and with water extraction curves. Tree Physiology, 2019, 39, 156-165.	1.4	7
13	The stomatal response to rising CO2 concentration and drought is predicted by a hydraulic trait-based optimization model. Tree Physiology, 2019, 39, 1416-1427.	1.4	25
14	Leveraging plant hydraulics to yield predictive and dynamic plant leaf allocation in vegetation models with climate change. Global Change Biology, 2019, 25, 4008-4021.	4.2	38
15	Phylogenetic and biogeographic controls of plant nighttime stomatal conductance. New Phytologist, 2019, 222, 1778-1788.	3.5	32
16	The impact of rising CO ₂ and acclimation on the response of US forests to global warming. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25734-25744.	3.3	105
17	Dependence of Aspen Stands on a Subsurface Water Subsidy: Implications for Climate Change Impacts. Water Resources Research, 2019, 55, 1833-1848.	1.7	36
18	A stomatal control model based on optimization of carbon gain versus hydraulic risk predicts aspen sapling responses to drought. New Phytologist, 2018, 220, 836-850.	3.5	93

#	Article	IF	Citations
19	Predicting stomatal responses to the environment from the optimization of photosynthetic gain and hydraulic cost. Plant, Cell and Environment, 2017, 40, 816-830.	2.8	276
20	Pragmatic hydraulic theory predicts stomatal responses to climatic water deficits. New Phytologist, 2016, 212, 577-589.	3.5	168
21	Stem hydraulic conductivity depends on the pressure at which it is measured and how this dependence can be used to assess the tempo of bubble pressurization in recently cavitated vessels.. Plant Physiology, 2015, 169, pp.00875.2015.	2.3	8
22	Studies on the Tempo of Bubble Formation in Recently Cavitated Vessels: A Model to Predict the Pressure of Air Bubbles. Plant Physiology, 2015, 168, 521-531.	2.3	12
23	Improved precision of hydraulic conductance measurements using a Cochard rotor in two different centrifuges. The Journal of Plant Hydraulics, 0, 1, e007.	1.0	19