Jia Hu

List of Publications by Year
in descending order

32	1,241	430442	476904
papers	citations	18 h-index	29 g-index

34	34	34	2146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Longer growing seasons lead to less carbon sequestration by a subalpine forest. Global Change Biology, 2010, 16, 771-783.	4.2	286
2	Climatic influences on net ecosystem CO2 exchange during the transition from wintertime carbon source to springtime carbon sink in a high-elevation, subalpine forest. Oecologia, 2005, 146, 130-147.	0.9	169
3	Estimating transpiration and the sensitivity of carbon uptake to water availability in a subalpine forest using a simple ecosystem process model informed by measured net CO2 and H2O fluxes. Agricultural and Forest Meteorology, 2008, 148, 1467-1477.	1.9	74
4	Ecosystem fluxes during drought and recovery in an experimental forest. Science, 2021, 374, 1514-1518.	6.0	60
5	Modeling wholeâ€tree carbon assimilation rate using observed transpiration rates and needle sugar carbon isotope ratios. New Phytologist, 2010, 185, 1000-1015.	3.5	58
6	Isotopic composition of transpiration and rates of change in leaf water isotopologue storage in response to environmental variables. Plant, Cell and Environment, 2013, 36, 2190-2206.	2.8	57
7	Life in the clouds: are tropical montane cloud forests responding to changes in climate?. Oecologia, 2016, 180, 1061-1073.	0.9	50
8	Tree species effects on ecosystem water-use efficiency in a high-elevation, subalpine forest. Oecologia, 2010, 162, 491-504.	0.9	49
9	Atmospheric Stability Effects on Wind Fields and Scalar Mixing Within and Just Above a Subalpine Forest in Sloping Terrain. Boundary-Layer Meteorology, 2011, 138, 231-262.	1.2	41
10	Differential use of winter precipitation by upper and lower elevation Douglas fir in the Northern Rockies. Global Change Biology, 2018, 24, 5607-5621.	4.2	41
11	Controls over ozone deposition to a high elevation subalpine forest. Agricultural and Forest Meteorology, 2009, 149, 1447-1459.	1.9	40
12	Hillslope Topography Mediates Spatial Patterns of Ecosystem Sensitivity to Climate. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 353-371.	1.3	38
13	A Multiscale and Multidisciplinary Investigation Of Ecosystemâ€“Atmosphere CO2 Exchange Over the Rocky Mountains of Colorado. Bulletin of the American Meteorological Society, 2010, 91, 209-230.	1.7	29
14	Contribution of sapwood traits to uncertainty in conifer sap flow as estimated with the heat-ratio method. Agricultural and Forest Meteorology, 2016, 223, 60-71.	1.9	29
15	Climate Change and Water Use Partitioning by Different Plant Functional Groups in a Grassland on the Tibetan Plateau. PLoS ONE, 2013, 8, e75503.	1.1	29
16	The Climatic Water Balance and Topography Control Spatial Patterns of Atmospheric Demand, Soil Moisture, and Shallow Subsurface Flow. Water Resources Research, 2019, 55, 2370-2389.	1.7	26
17	Diurnal and seasonal coupling of conifer sap flow and vapour pressure deficit across topoclimatic gradients in a subalpine catchment. Ecohydrology, 2018, 11, e1994.	1.1	21
18	Reduction in lumen area is associated with the Î´ 18 O exchange between sugars and source water during cellulose synthesis. New Phytologist, 2020, 226, 1583-1593.	3.5	20

#	Article	IF	Citations
19	The Topographic Signature of Ecosystem Climate Sensitivity in the Western United States. Geophysical Research Letters, 2019, 46, 14508-14520.	1.5	18
20	An interannual assessment of the relationship between the stable carbon isotopic composition of ecosystem respiration and climate in a high-elevation subalpine forest. Journal of Geophysical Research, 2011, 116, .	3.3	17
21	Hydrometeorology organizes intraâ€annual patterns of tree growth across time, space and species in a montane watershed. New Phytologist, 2017, 215, 1387-1398.	3.5	17
22	Weather and climate controls over the seasonal carbon isotope dynamics of sugars from subalpine forest trees. Plant, Cell and Environment, 2009, 33, 35-47.	2.8	16
23	Stable isotopes of tree rings reveal seasonal-to-decadal patterns during the emergence of a megadrought in the Southwestern US. Oecologia, 2021, 197, 1079-1094.	0.9	15
24	Reevaluating growing season length controls on net ecosystem production in evergreen conifer forests. Scientific Reports, 2018, 8, 17973.	1.6	13
25	The role of fog, orography, and seasonality on precipitation in a semiarid, tropical island. Hydrological Processes, 2018, 32, 2792-2805.	1.1	11
26	Vegetation source water identification using isotopic and hydrometric observations from a subhumid mountain catchment. Ecohydrology, 2020, 13, e2167.	1.1	9
27	Snowpack influences spatial and temporal soil nitrogen dynamics in a western U.S. montane forested watershed. Ecosphere, 2019, 10, e02794.	1.0	3
28	Hydraulic traits of co-existing conifers do not correlate with local hydroclimate condition: a case study in the northern Rocky Mountains, U.S.A. Oecologia, 2021, 197, 1049-1062.	0.9	2
29	Biophysical Gradients and Performance of Whitebark Pine Plantings in the Greater Yellowstone Ecosystem. Forests, 2020, 11, 119.	0.9	2
30	Nitrogen acquisition strategies of mature Douglasâ€fir: a case study in the northern Rocky Mountains. Ecosphere, 2021, 12, e03338.	1.0	1
31	Summer dry-down modulates the isotopic composition of soil CO2 production in snow-dominated landscapes. PLoS ONE, 2018, 13, e0197471.	1.1	0
32	Water use strategies between two coâ€occurring woody species in a riparian area: naturally occurring willow, Salix exigua, and expanding juniper, Juniperus scopulorum, in central Montana. Ecohydrology, 0, , e2402.	1.1	0