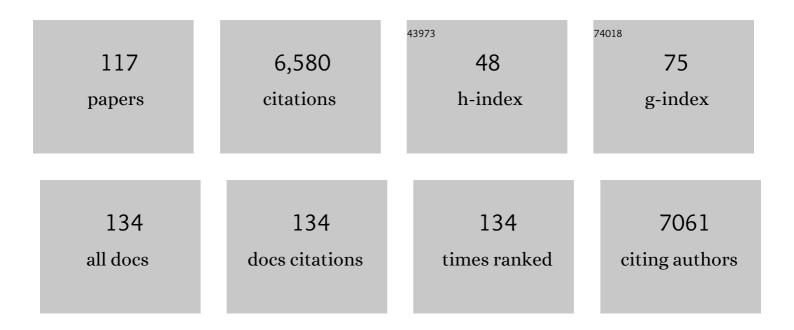


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Spatial variability in tree-ring carbon isotope discrimination in response to local drought across the entire loblolly pine natural range. Tree Physiology, 2022, 42, 44-58.	1.4	1
2	Urbanization Aggravates Effects of Global Warming on Local Atmospheric Drying. Geophysical Research Letters, 2022, 49, .	1.5	22
3	Climate Variability Masked Greening Effects on Water Yield in the Yangtze River Basin During 2001–2018. Water Resources Research, 2022, 58, .	1.7	22
4	Detecting Coastal Wetland Degradation by Combining Remote Sensing and Hydrologic Modeling. Forests, 2022, 13, 411.	0.9	6
5	Climate change challenges efficiency of inter-basin water transfers in alleviating water stress. Environmental Research Letters, 2022, 17, 044050.	2.2	10
6	Interâ€Basin Transfers Extend the Benefits of Water From Forests to Population Centers Across the Conterminous U.S Water Resources Research, 2022, 58, .	1.7	8
7	Impacts of Hurricane Michael on Watershed Hydrology: A Case Study in the Southeastern United States. Forests, 2022, 13, 904.	0.9	0
8	Estimates of Precipitation IDF Curves and Design Discharges for Road-Crossing Drainage Structures: Case Study in Four Small Forested Watersheds in the Southeastern US. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	9
9	Heterotrophic Respiration and the Divergence of Productivity and Carbon Sequestration. Geophysical Research Letters, 2021, 48, e2020GL092366.	1.5	4
10	Effects of land-use change and drought on decadal evapotranspiration and water balance of natural and managed forested wetlands along the southeastern US lower coastal plain. Agricultural and Forest Meteorology, 2021, 303, 108381.	1.9	24
11	Forested lands dominate drinking water supply in the conterminous United States. Environmental Research Letters, 2021, 16, 084008.	2.2	34
12	Ecosystem Productivity and Evapotranspiration Are Tightly Coupled in Loblolly Pine (Pinus taeda L.) Plantations along the Coastal Plain of the Southeastern U.S Forests, 2021, 12, 1123.	0.9	15
13	Variability of tree transpiration across three zones in a southeastern U.S. Piedmont watershed. Hydrological Processes, 2021, 35, e14389.	1.1	1
14	Vegetation greening weakened the capacity of water supply to China's South-to-North Water Diversion Project. Hydrology and Earth System Sciences, 2021, 25, 5623-5640.	1.9	17
15	Investigating impacts of drought and disturbance on evapotranspiration over a forested landscape in North Carolina, USA using high spatiotemporal resolution remotely sensed data. Remote Sensing of Environment, 2020, 238, 111018.	4.6	41
16	Trade-off between watershed water yield and ecosystem productivity along elevation gradients on a complex terrain in southwestern China. Journal of Hydrology, 2020, 590, 125449.	2.3	22
17	Long-term carbon flux and balance in managed and natural coastal forested wetlands of the Southeastern USA. Agricultural and Forest Meteorology, 2020, 288-289, 108022.	1.9	24
18	Water balance of municipal wastewater irrigation in a coastal forested watershed. Ecohydrology, 2020, 13, e2227.	1.1	1

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19	Effects of Urbanization on Watershed Evapotranspiration and Its Components in Southern China. Water (Switzerland), 2020, 12, 645.	1.2	34
20	Biophysical controls on nocturnal sap flow in plantation forests in a semi-arid region of northern China. Agricultural and Forest Meteorology, 2020, 284, 107904.	1.9	36
21	Spatiotemporal patterns and drivers of soil contamination with heavy metals during an intensive urbanization period (1989–2018) in southern China. Environmental Pollution, 2020, 260, 114075.	3.7	81
22	Modeling the impacts of urbanization on watershed-scale gross primary productivity and tradeoffs with water yield across the conterminous United States. Journal of Hydrology, 2020, 583, 124581.	2.3	27
23	Managing Forests and Water for People under a Changing Environment. Forests, 2020, 11, 331.	0.9	3
24	Combined effects of urbanization and climate change on watershed evapotranspiration at multiple spatial scales. Journal of Hydrology, 2020, 587, 124869.	2.3	22
25	Impacts of Urbanization on Watershed Water Balances Across the Conterminous United States. Water Resources Research, 2020, 56, e2019WR026574.	1.7	53
26	No Proportional Increase of Terrestrial Gross Carbon Sequestration From the Greening Earth. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2540-2553.	1.3	51
27	Potential impacts of climate change on vegetation dynamics and ecosystem function in a mountain watershed on the Qinghai-Tibet Plateau. Climatic Change, 2019, 156, 31-50.	1.7	24
28	Disentangling the Effects of Temperature, Moisture, and Substrate Availability on Soil CO ₂ Efflux. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2060-2075.	1.3	25
29	Water Yield Responses to Gradual Changes in Forest Structure and Species Composition in a Subboreal Watershed in Northeastern China. Forests, 2019, 10, 211.	0.9	13
30	Soil physiochemical properties and landscape patterns control trace metal contamination at the urban-rural interface in southern China. Environmental Pollution, 2019, 250, 537-545.	3.7	61
31	Data on projections of surface water withdrawal, consumption, and availability in the conterminous United States through the 21st century. Data in Brief, 2019, 23, 103786.	0.5	0
32	Using δ13C and δ18O to analyze loblolly pine (Pinus taeda L.) response to experimental drought and fertilization. Tree Physiology, 2019, 39, 1984-1994.	1.4	6
33	Climatic Controls on Watershed Reference Evapotranspiration Varied during 1961–2012 in Southern China. Journal of the American Water Resources Association, 2019, 55, 189-208.	1.0	17
34	Understanding the role of regional water connectivity in mitigating climate change impacts on surface water supply stress in the United States. Journal of Hydrology, 2019, 570, 80-95.	2.3	35
35	Coastal wetland resilience to climate variability: A hydrologic perspective. Journal of Hydrology, 2019, 568, 275-284.	2.3	44
36	Parallelization of a distributed ecohydrological model. Environmental Modelling and Software, 2018, 101, 51-63.	1.9	4

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37	Implications of Upstream Flow Availability for Watershed Surface Water Supply across the Conterminous United States. Journal of the American Water Resources Association, 2018, 54, 694-707.	1.0	20
38	Burned forests impact water supplies. Nature Communications, 2018, 9, 1307.	5.8	116
39	Spatial Patterns of Development Drive Water Use. Water Resources Research, 2018, 54, 1633-1649.	1.7	21
40	The sensitivity of ecosystem service models to choices of input data and spatial resolution. Applied Geography, 2018, 93, 25-36.	1.7	51
41	Using regional scale flow–ecology modeling to identify catchments where fish assemblages are most vulnerable to changes in water availability. Freshwater Biology, 2018, 63, 928-945.	1.2	21
42	Ecohydrological Processes Explain Urban Dry Island Effects in a Wet Region, Southern China. Water Resources Research, 2018, 54, 6757-6771.	1.7	84
43	Quantifying the effects of overgrazing on mountainous watershed vegetation dynamics under a changing climate. Science of the Total Environment, 2018, 639, 1408-1420.	3.9	53
44	Drought and thinning have limited impacts on evapotranspiration in a managed pine plantation on the southeastern United States coastal plain. Agricultural and Forest Meteorology, 2018, 262, 14-23.	1.9	34
45	Dependence of 3â€month Standardized Precipitationâ€Evapotranspiration Index dryness/wetness sensitivity on climatological precipitation over southwest China. International Journal of Climatology, 2018, 38, 4568-4578.	1.5	10
46	Understanding coastal wetland hydrology with a new regionalâ€scale, processâ€based hydrological model. Hydrological Processes, 2018, 32, 3158-3173.	1.1	38
47	Reanalysis of global terrestrial vegetation trends from MODIS products: Browning or greening?. Remote Sensing of Environment, 2017, 191, 145-155.	4.6	258
48	Combined effects of climate and land management on watershed vegetation dynamics in an arid environment. Science of the Total Environment, 2017, 589, 73-88.	3.9	31
49	Regional patterns of postwildfire streamflow response in the Western United States: The importance of scaleâ€specific connectivity. Hydrological Processes, 2017, 31, 2582-2598.	1.1	47
50	Response of evapotranspiration to changes in land use and land cover and climate in China during 2001–2013. Science of the Total Environment, 2017, 596-597, 256-265.	3.9	152
51	Hydrology and microtopography control carbon dynamics in wetlands: Implications in partitioning ecosystem respiration in a coastal plain forested wetland. Agricultural and Forest Meteorology, 2017, 247, 343-355.	1.9	48
52	Impact of air pollution induced climate change on water availability and ecosystem productivity in the conterminous United States. Climatic Change, 2017, 140, 259-272.	1.7	26
53	On the coupling between precipitation and potential evapotranspiration: contributions to decadal drought anomalies in the Southwest China. Climate Dynamics, 2017, 48, 3779-3797.	1.7	52
54	Assessment of wildland fire impacts on watershed annual water yield: Analytical framework and case studies in the United States. Ecohydrology, 2017, 10, e1794.	1.1	32

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55	Daily Landsat-scale evapotranspiration estimation over a forested landscape in North Carolina, USA, using multi-satellite data fusion. Hydrology and Earth System Sciences, 2017, 21, 1017-1037.	1.9	77
56	Ecohydrological processes and ecosystem services in the Anthropocene: a review. Ecological Processes, 2017, 6, .	1.6	67
57	Environmental controls on seasonal ecosystem evapotranspiration/potential evapotranspiration ratio as determined by the global eddy flux measurements. Hydrology and Earth System Sciences, 2017, 21, 311-322.	1.9	40
58	Future shift of the relative roles of precipitation and temperature in controlling annual runoff in the conterminous United States. Hydrology and Earth System Sciences, 2017, 21, 5517-5529.	1.9	18
59	Projecting water yield and ecosystem productivity across the United States by linking an ecohydrological model to WRF dynamically downscaled climate data. Hydrology and Earth System Sciences, 2016, 20, 935-952.	1.9	23
60	Forest Management Challenges for Sustaining Water Resources in the Anthropocene. Forests, 2016, 7, 68.	0.9	36
61	Detection of the Coupling between Vegetation Leaf Area and Climate in a Multifunctional Watershed, Northwestern China. Remote Sensing, 2016, 8, 1032.	1.8	11
62	Development of a coupled carbon and water model for estimating global gross primary productivity and evapotranspiration based on eddy flux and remote sensing data. Agricultural and Forest Meteorology, 2016, 223, 116-131.	1.9	85
63	Contrasting effects of urbanization and agriculture on surface temperature in eastern China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9597-9606.	1.2	49
64	Divergence of ecosystem services in U.S. National Forests and Grasslands under a changing climate. Scientific Reports, 2016, 6, 24441.	1.6	22
65	Spatiotemporal trends of urban heat island effect along the urban development intensity gradient in China. Science of the Total Environment, 2016, 544, 617-626.	3.9	147
66	Ecohydrological implications of drought for forests in the United States. Forest Ecology and Management, 2016, 380, 335-345.	1.4	67
67	Ten-year variability in ecosystem water use efficiency in an oak-dominated temperate forest under a warming climate. Agricultural and Forest Meteorology, 2016, 218-219, 209-217.	1.9	52
68	Modelling the potential role of forest thinning in maintaining water supplies under a changing climate across the conterminous United States. Hydrological Processes, 2015, 29, 5016-5030.	1.1	74
69	Integrated Modeling of Water Supply and Demand under Management Options and Climate Change Scenarios in Chifeng City, China. Journal of the American Water Resources Association, 2015, 51, 655-671.	1.0	25
70	Clearcutting upland forest alters transpiration of residual trees in the riparian buffer zone. Hydrological Processes, 2015, 29, 4979-4992.	1.1	15
71	Influence of basin characteristics on the effectiveness and downstream reach of interbasin water transfers: displacing a problem. Environmental Research Letters, 2015, 10, 124005.	2.2	34
72	Understanding moisture stress on light use efficiency across terrestrial ecosystems based on global flux and remoteâ€sensing data. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2053-2066.	1.3	45

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73	Urbanization dramatically altered the water balances of a paddy field-dominated basin in southern China. Hydrology and Earth System Sciences, 2015, 19, 3319-3331.	1.9	68
74	A comparison of hydrologic models for ecological flows and water availability. Ecohydrology, 2015, 8, 1525-1546.	1.1	62
75	Effects of forest management on productivity and carbon sequestration: A review and hypothesis. Forest Ecology and Management, 2015, 355, 124-140.	1.4	145
76	Drought impacts on ecosystem functions of the U.S. National Forests and Grasslands: Part I evaluation of a water and carbon balance model. Forest Ecology and Management, 2015, 353, 260-268.	1.4	32
77	Drought impacts on ecosystem functions of the U.S. National Forests and Grasslands: Part II assessment results and management implications. Forest Ecology and Management, 2015, 353, 269-279.	1.4	60
78	How well do terrestrial biosphere models simulate coarse-scale runoff in the contiguous United States?. Ecological Modelling, 2015, 303, 87-96.	1.2	9
79	Fertilization intensifies drought stress: Water use and stomatal conductance of Pinus taeda in a midrotation fertilization and throughfall reduction experiment. Forest Ecology and Management, 2015, 355, 72-82.	1.4	53
80	Testing DRAINMOD-FOREST for predicting evapotranspiration in a mid-rotation pine plantation. Forest Ecology and Management, 2015, 355, 37-47.	1.4	12
81	Conversion of natural forests to managed forest plantations decreases tree resistance to prolonged droughts. Forest Ecology and Management, 2015, 355, 58-71.	1.4	55
82	Evapotranspiration: Challenges in Measurement and Modeling. Eos, 2014, 95, 256-256.	0.1	2
83	Effects of precipitation on grassland ecosystem restoration under grazing exclusion in Inner Mongolia, China. Landscape Ecology, 2014, 29, 1657-1673.	1.9	73
84	Data-driven diagnostics of terrestrial carbon dynamics over North America. Agricultural and Forest Meteorology, 2014, 197, 142-157.	1.9	88
85	Carbon fluxes, evapotranspiration, and water use efficiency of terrestrial ecosystems in China. Agricultural and Forest Meteorology, 2013, 182-183, 76-90.	1.9	211
86	Water Stress Projections for the Northeastern and Midwestern United States in 2060: Anthropogenic and Ecological Consequences. Journal of the American Water Resources Association, 2013, 49, 938-952.	1.0	23
87	The effect of water table fluctuation on soil respiration in a lower coastal plain forested wetland in the southeastern U.S Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1748-1762.	1.3	48
88	Sectoral contributions to surface water stress in the coterminous United States. Environmental Research Letters, 2013, 8, 035046.	2.2	78
89	Managing Forest Water Quantity and Quality under Climate Change. , 2013, , 249-306.		12
90	Determination of spatial scale of response unit for the WASSI-C eco-hydrological model—a case study on the upper Zagunao River watershed of China. Chinese Journal of Plant Ecology, 2013, 37, 132-141.	0.3	5

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91	Coupling simulation of water-carbon processes for catchment―calibration and validation of the WaSSI-C model. Chinese Journal of Plant Ecology, 2013, 37, 492-502.	0.3	14
92	A Comparison of Three Methods to Estimate Evapotranspiration in Two Contrasting Loblolly Pine Plantations: Age-Related Changes in Water Use and Drought Sensitivity of Evapotranspiration Components. Forest Science, 2012, 58, 497-512.	0.5	68
93	Interactive influences of ozone and climate on streamflow of forested watersheds. Global Change Biology, 2012, 18, 3395-3409.	4.2	57
94	Interactive effects of nocturnal transpiration and climate change on the root hydraulic redistribution and carbon and water budgets of southern United States pine plantations. Tree Physiology, 2012, 32, 707-723.	1.4	66
95	Impacts of impervious cover, water withdrawals, and climate change on river flows in the conterminous US. Hydrology and Earth System Sciences, 2012, 16, 2839-2857.	1.9	103
96	The role of harvest residue in rotation cycle carbon balance in loblolly pine plantations. Respiration partitioning approach. Global Change Biology, 2012, 18, 3186-3201.	4.2	52
97	Upscaling key ecosystem functions across the conterminous United States by a water-centric ecosystem model. Journal of Geophysical Research, 2011, 116, .	3.3	159
98	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. Agricultural and Forest Meteorology, 2011, 151, 60-69.	1.9	157
99	Modeling Potential Evapotranspiration of Two Forested Watersheds in the Southern Appalachians. Transactions of the ASABE, 2011, 54, 2067-2078.	1.1	44
100	Forest ecohydrological research in the 21st century: what are the critical needs?. Ecohydrology, 2011, 4, 146-158.	1.1	110
101	A general predictive model for estimating monthly ecosystem evapotranspiration. Ecohydrology, 2011, 4, 245-255.	1.1	195
102	Urbanization alters watershed hydrology in the Piedmont of North Carolina. Ecohydrology, 2011, 4, 256-264.	1.1	57
103	Seasonal rainfall–runoff relationships in a lowland forested watershed in the southeastern USA. Hydrological Processes, 2011, 25, 2032-2045.	1.1	52
104	Hydraulic redistribution of soil water by roots affects wholeâ€stand evapotranspiration and net ecosystem carbon exchange. New Phytologist, 2010, 187, 171-183.	3.5	137
105	Response of carbon fluxes to drought in a coastal plain loblolly pine forest. Global Change Biology, 2010, 16, 272-287.	4.2	130
106	Bi-criteria evaluation of the MIKE SHE model for a forested watershed on the South Carolina coastal plain. Hydrology and Earth System Sciences, 2010, 14, 1033-1046.	1.9	54
107	Energy and water balance of two contrasting loblolly pine plantations on the lower coastal plain of North Carolina, USA. Forest Ecology and Management, 2010, 259, 1299-1310.	1.4	157
108	Decoupling the influence of leaf and root hydraulic conductances on stomatal conductance and its sensitivity to vapour pressure deficit as soil dries in a drained loblolly pine plantation. Plant, Cell and Environment, 2009, 32, 980-991.	2.8	133

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109	Sensitivity of pine flatwoods hydrology to climate change and forest management in Florida, USA. Wetlands, 2009, 29, 826-836.	0.7	40
110	Impacts of Multiple Stresses on Water Demand and Supply Across the Southeastern United States ¹ . Journal of the American Water Resources Association, 2008, 44, 1441-1457.	1.0	189
111	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. Agricultural and Forest Meteorology, 2008, 148, 1827-1847.	1.9	221
112	Regional annual water yield from forest lands and its response to potential deforestation across the southeastern United States. Journal of Hydrology, 2005, 308, 258-268.	2.3	140
113	MODELING ACTUAL EVAPOTRANSPIRATION FROM FORESTED WATERSHEDS ACROSS THE SOUTHEASTERN UNITED STATES. Journal of the American Water Resources Association, 2003, 39, 886-896.	1.0	65
114	A comparison of the watershed hydrology of coastal forested wetlands and the mountainous uplands in the Southern US. Journal of Hydrology, 2002, 263, 92-104.	2.3	131
115	Effects of timber management on the hydrology of wetland forests in the southern United States. Forest Ecology and Management, 2001, 143, 227-236.	1.4	103
116	MODELING THE HYDROLOGIC IMPACTS OF FOREST HARVESTING ON FLORIDA FLATWOODS. Journal of the American Water Resources Association, 1998, 34, 843-854.	1.0	44
117	Water Quantity and Quality at the Urban-Rural Interface. , 0, , 29-48.		31