

# Scott T Allen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10943808/publications.pdf>

Version: 2024-02-01

34  
papers

1,659  
citations

471509

17  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2280  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 3-D groundwater isoscape of the contiguous USA for forensic and water resource science. PLoS ONE, 2022, 17, e0261651.	2.5	6
2	Potential effects of cryogenic extraction biases on plant water source partitioning inferred from xylem water isotope ratios. Hydrological Processes, 2022, 36, .	2.6	29
3	Climatic Influences on Summer Use of Winter Precipitation by Trees. Geophysical Research Letters, 2022, 49, .	4.0	13
4	Spatial and Temporal Variations in Plant Source Water: O and H Isotope Ratios from Precipitation to Xylem Water. Tree Physiology, 2022, , 501-535.	2.5	6
5	The Stable Hydrogen Isotopic Signature: From Source Water to Tree Rings. Tree Physiology, 2022, , 331-359.	2.5	4
6	Localized Augmentation of Net Precipitation to Shrubs: A Case Study of Stemflow Funneling to Hummocks in a Salinity-Intruded Swamp. Frontiers in Forests and Global Change, 2021, 4, .	2.3	2
7	Seasonal partitioning of precipitation between streamflow and evapotranspiration, inferred from end-member splitting analysis. Hydrology and Earth System Sciences, 2020, 24, 17-39.	4.9	31
8	Species-specific growth capacity for floodplain forest trees inferred from sapwood efficiency and individual tree competition. Forest Ecology and Management, 2020, 476, 118427.	3.2	3
9	Plant and root zone water isotopes are difficult to measure, explain, and predict: Some practical recommendations for determining plant water sources. Methods in Ecology and Evolution, 2020, 11, 1352-1367.	5.2	48
10	What Ecohydrologic Separation Is and Where We Can Go With It. Water Resources Research, 2020, 56, e2020WR027238.	4.2	37
11	Small gradients in salinity have large effects on stand water use in freshwater wetland forests. Forest Ecology and Management, 2020, 473, 118308.	3.2	20
12	Key Questions on the Evaporation and Transport of Intercepted Precipitation. , 2020, , 269-280.		13
13	Wrack and ruin: Legacy hydrologic effects of hurricane-deposited wrack on hardwood-hammock coastal islands. Environmental Research Communications, 2020, 2, 061001.	2.3	3
14	Spatial variation in throughfall, soil, and plant water isotopes in a temperate forest. Ecohydrology, 2019, 12, e2059.	2.4	67
15	Waters flowing out of systems are younger than the waters stored in those same systems. Hydrological Processes, 2019, 33, 3251-3254.	2.6	15
16	The Seasonal Origins of Streamwater in Switzerland. Geophysical Research Letters, 2019, 46, 10425-10434.	4.0	12
17	Global sinusoidal seasonality in precipitation isotopes. Hydrology and Earth System Sciences, 2019, 23, 3423-3436.	4.9	29
18	Seasonal origins of soil water used by trees. Hydrology and Earth System Sciences, 2019, 23, 1199-1210.	4.9	166

#	ARTICLE	IF	CITATIONS
19	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
20	The Demographics of Water: A Review of Water Ages in the Critical Zone. <i>Reviews of Geophysics</i> , 2019, 57, 800-834.	23.0	197
21	Stand density and carbon storage in cypress-tupelo wetland forests of the Mississippi River delta. <i>Forest Ecology and Management</i> , 2019, 441, 106-114.	3.2	8
22	Contrasting effects of flooding on tree growth and stand density determine aboveground production, in baldcypress forests. <i>Forest Ecology and Management</i> , 2019, 432, 345-355.	3.2	19
23	Ideas and perspectives: Tracing terrestrial ecosystem water fluxes using hydrogen and oxygen stable isotopes – challenges and opportunities from an interdisciplinary perspective. <i>Biogeosciences</i> , 2018, 15, 6399-6415.	3.3	115
24	Predicting Spatial Patterns in Precipitation Isotope ( $\delta^{2}\text{H}$ and $\delta^{18}\text{O}$ ) Seasonality Using Sinusoidal Isoscapes. <i>Geophysical Research Letters</i> , 2018, 45, 4859-4868.	4.0	46
25	Sensitivity of young water fractions to hydro-climatic forcing and landscape properties across 22 Swiss catchments. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3841-3861.	4.9	77
26	Wetland-tree growth responses to hydrologic variability derived from development and optimization of a non-linear radial growth model. <i>Ecological Modelling</i> , 2017, 354, 49-61.	2.5	6
27	Evaporation and the subcanopy energy environment in a flooded forest. <i>Hydrological Processes</i> , 2017, 31, 2860-2871.	2.6	9
28	The role of stable isotopes in understanding rainfall interception processes: a review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, 1-17.	6.5	91
29	Fine-scale spatial variability of throughfall amount and isotopic composition under a hardwood forest canopy. <i>Hydrological Processes</i> , 2016, 30, 1796-1803.	2.6	26
30	Wetland tree transpiration modified by river-floodplain connectivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 753-766.	3.0	20
31	Sub-canopy Evapotranspiration from Floating Vegetation and Open Water in a Swamp Forest. <i>Wetlands</i> , 2016, 36, 681-688.	1.5	13
32	Hydrologic exchanges and baldcypress water use on deltaic hummocks, Louisiana, USA. <i>Ecohydrology</i> , 2016, 9, 1452-1463.	2.4	15
33	Leaf area allometrics and morphometrics in baldcypress. <i>Canadian Journal of Forest Research</i> , 2015, 45, 963-969.	1.7	8
34	Spatial patterns of throughfall isotopic composition at the event and seasonal timescales. <i>Journal of Hydrology</i> , 2015, 522, 58-66.	5.4	31