

# Timothy E Link

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

3,304  
citations

218677

26  
h-index

149698

56  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4122  
citing authors

#	ARTICLE	IF	CITATIONS
1	SnowClim v1.0: high-resolution snow model and data for the western United States. <i>Geoscientific Model Development</i> , 2022, 15, 5045-5071.	3.6	2
2	Ecohydrological modelling in a deciduous boreal forest: Model evaluation for application in non-stationary climates. <i>Hydrological Processes</i> , 2021, 35, e14251.	2.6	8
3	Importance of Parameter and Climate Data Uncertainty for Future Changes in Boreal Hydrology. <i>Water Resources Research</i> , 2021, 57, e2021WR029911.	4.2	8
4	Important Airborne Lidar Metrics of Canopy Structure for Estimating Snow Interception. <i>Remote Sensing</i> , 2021, 13, 4188.	4.0	3
5	Modeling forest management effects on water and sediment yield from nested, paired watersheds in the interior Pacific Northwest, USA using WEPP. <i>Science of the Total Environment</i> , 2020, 701, 134877.	8.0	24
6	Long term persistence of aspen in snowdrift-dependent ecosystems. <i>Forest Ecology and Management</i> , 2020, 462, 118005.	3.2	5
7	Long-term hydrological response to forest harvest during seasonal low flow: Potential implications for current forest practices. <i>Science of the Total Environment</i> , 2020, 730, 138926.	8.0	32
8	Higher Snowfall Intensity is Associated with Reduced Impacts of Warming Upon Winter Snow Ablation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086409.	4.0	9
9	Toward a Novel Laser-Based Approach for Estimating Snow Interception. <i>Remote Sensing</i> , 2020, 12, 1146.	4.0	4
10	Projected Changes in Interannual Variability of Peak Snowpack Amount and Timing in the Western United States. <i>Geophysical Research Letters</i> , 2019, 46, 8882-8892.	4.0	53
11	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
12	Warming Alters Hydrologic Heterogeneity: Simulated Climate Sensitivity of Hydrology-Based Microrefugia in the Snow-to-Rain Transition Zone. <i>Water Resources Research</i> , 2019, 55, 2122-2141.	4.2	23
13	The ecosystem services and biodiversity of novel ecosystems: A literature review. <i>Global Ecology and Conservation</i> , 2018, 13, e00362.	2.1	52
14	Simulating the dependence of aspen ( <i>Populus tremuloides</i> ) on redistributed snow in a semi-arid watershed. <i>Ecosphere</i> , 2018, 9, e02068.	2.2	9
15	Linked spatial variability of throughfall amount and intensity during rainfall in a coniferous forest. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 15-21.	4.8	33
16	Quantifying shortwave and longwave radiation inputs to headwater streams under differing canopy structures. <i>Forest Ecology and Management</i> , 2018, 407, 116-124.	3.2	8
17	Forest productivity varies with soil moisture more than temperature in a small montane watershed. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 211-221.	4.8	15
18	Eleven years of mountain weather, snow, soil moisture and streamflow data from the rain-snow transition zone – the Johnston Draw catchment, Reynolds Creek Experimental Watershed and Critical Zone Observatory, USA. <i>Earth System Science Data</i> , 2018, 10, 1207-1216.	9.9	23

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19	Modeling of terracette hillslope soil moisture as a function of aspect, slope and vegetation in a semi-arid environment. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1560-1572.	2.5	12
20	Snow disappearance timing is dominated by forest effects on snow accumulation in warm winter climates of the Pacific Northwest, United States. <i>Hydrological Processes</i> , 2017, 31, 1846-1862.	2.6	62
21	Climate moderates potential shifts in streamflow from changes in pinyon-juniper woodland cover across the western U.S. <i>Hydrological Processes</i> , 2017, 31, 3489-3503.	2.6	3
22	Spatiotemporal soil and saprolite moisture dynamics across a semi-arid woody plant gradient. <i>Journal of Hydrology</i> , 2017, 544, 21-35.	5.4	9
23	Rain or snow: hydrologic processes, observations, prediction, and research needs. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1-22.	4.9	192
24	Evaluating hydrologic effects of spatial and temporal patterns of forest canopy change using numerical modelling. <i>Hydrological Processes</i> , 2016, 30, 217-231.	2.6	24
25	Simulated water budget of a small forested watershed in the continental/maritime hydroclimatic region of the United States. <i>Hydrological Processes</i> , 2016, 30, 2000-2013.	2.6	5
26	Surface water input from snowmelt and rain throughfall in western juniper: potential impacts of climate change and shifts in semi-arid vegetation. <i>Hydrological Processes</i> , 2016, 30, 3046-3060.	2.6	12
27	Potential trends in snowmelt-generated peak streamflows in a warming climate. <i>Geophysical Research Letters</i> , 2016, 43, 5052-5059.	4.0	24
28	Five ways to support interdisciplinary work before tenure. <i>Journal of Environmental Studies and Sciences</i> , 2016, 6, 260-267.	2.0	27
29	Forest Canopy Reduction and Snowpack Dynamics in a Northern Idaho Watershed of the Continental-Maritime Region, United States. <i>Forest Science</i> , 2015, 61, 882-894.	1.0	17
30	Indicators of Climate Change in Idaho: An Assessment Framework for Coupling Biophysical Change and Social Perception. <i>Weather, Climate, and Society</i> , 2015, 7, 238-254.	1.1	17
31	Variability in shortwave irradiance caused by forest gaps: Measurements, modelling, and implications for snow energetics. <i>Agricultural and Forest Meteorology</i> , 2015, 207, 69-82.	4.8	62
32	Modeling temperature and humidity profiles within forest canopies. <i>Agricultural and Forest Meteorology</i> , 2015, 213, 251-262.	4.8	22
33	Using Science to Bridge Management and Policy: Terracette Hydrologic Function and Water Quality Best Management Practices in Idaho. <i>Rangelands</i> , 2015, 37, 191-199.	1.9	6
34	Sensitivity of model parameterizations for simulated latent heat flux at the snow surface for complex mountain sites. <i>Hydrological Processes</i> , 2014, 28, 868-881.	2.6	24
35	Constraining $\delta^{13}C$ with a new $\delta^{13}C$ submodel: a test using the $\delta^{13}C$ of tree rings. <i>Plant, Cell and Environment</i> , 2014, 37, 82-100.	5.7	25
36	Quantifying spatial distribution of snow depth errors from LiDAR using Random Forest. <i>Remote Sensing of Environment</i> , 2014, 141, 105-115.	11.0	45

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37	Throughfall heterogeneity in tropical forested landscapes as a focal mechanism for deep percolation. <i>Journal of Hydrology</i> , 2014, 519, 2180-2188.	5.4	32
38	Extent of the rain-snow transition zone in the western U.S. under historic and projected climate. <i>Geophysical Research Letters</i> , 2014, 41, 4560-4568.	4.0	217
39	Validation and sensitivity test of the distributed hydrology soil-vegetation model (DHSVM) in a forested mountain watershed. <i>Hydrological Processes</i> , 2014, 28, 6196-6210.	2.6	49
40	Subgrid variability of snow water equivalent at operational snow stations in the western USA. <i>Hydrological Processes</i> , 2013, 27, 2383-2400.	2.6	99
41	Modeling increases in snowmelt yield and desynchronization resulting from forest gap-thinning treatments in a northern mountain headwater basin. <i>Water Resources Research</i> , 2013, 49, 936-949.	4.2	62
42	Vadose Zone Processes: A Compendium for Teaching Interdisciplinary Modeling. <i>Journal of Contemporary Water Research and Education</i> , 2013, 152, 22-31.	0.7	4
43	On the role of vegetation density on net snow cover radiation at the forest floor. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8359-8374.	3.3	30
44	Interdisciplinary Modeling, Research, and Education. <i>Journal of Contemporary Water Research and Education</i> , 2013, 152, 1-3.	0.7	3
45	Lessons Learned From an Inter-institutional Graduate Course on Interdisciplinary Modeling for Water-Related Issues and Changing Climate. <i>Journal of Contemporary Water Research and Education</i> , 2013, 152, 4-13.	0.7	1
46	Effects of more extreme precipitation regimes on maximum seasonal snow water equivalent. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	23
47	Estimating surface sublimation losses from snowpacks in a mountain catchment using eddy covariance and turbulent transfer calculations. <i>Hydrological Processes</i> , 2012, 26, 3699-3711.	2.6	64
48	Effects of needleleaf forest cover on radiation and snowmelt dynamics in the Canadian Rocky Mountains. <i>Canadian Journal of Forest Research</i> , 2011, 41, 608-620.	1.7	73
49	A Comparison of Two Open Source LiDAR Surface Classification Algorithms. <i>Remote Sensing</i> , 2011, 3, 638-649.	4.0	48
50	Strategies to Improve WEPP Snowmelt Simulations in Mountainous Terrain. <i>Transactions of the ASABE</i> , 2011, 54, 1333-1345.	1.1	3
51	An inexpensive, fast, and reliable method for vacuum extraction of soil and plant water for stable isotope analyses by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3041-3048.	1.5	134
52	Quantification of incoming all-wave radiation in discontinuous forest canopies with application to snowmelt prediction. <i>Hydrological Processes</i> , 2011, 25, 3322-3331.	2.6	59
53	Sensitivity of the snowcover energetics in a mountain basin to variations in climate. <i>Hydrological Processes</i> , 2011, 25, 3312-3321.	2.6	23
54	Discussion of Stream Temperature Relationships to Forest Harvest in Western Washington by Michael M. Pollock, Timothy J. Beechie, Martin Liermann, and Richard E. Bigley. <i>Journal of the American Water Resources Association</i> , 2010, 46, 838-842.	2.4	2

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55	Stable isotopes applied as water tracers in column and field studies. <i>Organic Geochemistry</i> , 2010, 41, 31-40.	1.8	61
56	EVALUATION OF RUNOFF PREDICTION FROM WEPP-BASED EROSION MODELS FOR HARVESTED AND BURNED FOREST WATERSHEDS. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 1091-1100.	0.9	34
57	The importance of canopy structure in controlling the interception loss of rainfall: Examples from a young and an old-growth Douglas-fir forest. <i>Agricultural and Forest Meteorology</i> , 2005, 130, 113-129.	4.8	161
58	A deterministic method to characterize canopy radiative transfer properties. <i>Hydrological Processes</i> , 2004, 18, 3583-3594.	2.6	63
59	The dynamics of rainfall interception by a seasonal temperate rainforest. <i>Agricultural and Forest Meteorology</i> , 2004, 124, 171-191.	4.8	192
60	A Sensitivity Study of Daytime Net Radiation during Snowmelt to Forest Canopy and Atmospheric Conditions. <i>Journal of Hydrometeorology</i> , 2004, 5, 774-784.	1.9	132
61	Simulation of Water and Energy Fluxes in an Old-Growth Seasonal Temperate Rain Forest Using the Simultaneous Heat and Water (SHAW) Model. <i>Journal of Hydrometeorology</i> , 2004, 5, 443-457.	1.9	34
62	Stabilization of Lead in Acidic Mine Filtercake by Addition of Alkaline Tailings. <i>Journal of Environmental Quality</i> , 1996, 25, 1077-1082.	2.0	1
63	Soil Lead Mineralogy by Microprobe: An Interlaboratory Comparison. <i>Environmental Science &amp; Technology</i> , 1994, 28, 985-988.	10.0	18
64	Development of an in vitro screening test to evaluate the in vivo bioaccessibility of ingested mine-waste lead. <i>Environmental Science &amp; Technology</i> , 1993, 27, 2870-2877.	10.0	308