

Lena M Tallaksen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,075
citations

126907

33
h-index

189892

50
g-index

93
all docs

93
docs citations

93
times ranked

5459
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought in the Anthropocene. <i>Nature Geoscience</i> , 2016, 9, 89-91.	12.9	537
2	Candidate Distributions for Climatological Drought Indices (<scp>SPI</scp> and <scp>SPEI</scp>). <i>International Journal of Climatology</i> , 2015, 35, 4027-4040.	3.5	483
3	Streamflow trends in Europe: evidence from a dataset of near-natural catchments. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2367-2382.	4.9	370
4	Have streamflow droughts in Europe become more severe or frequent?. <i>International Journal of Climatology</i> , 2001, 21, 317-333.	3.5	302
5	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3631-3650.	4.9	289
6	Large-scale river flow archives: importance, current status and future needs. <i>Hydrological Processes</i> , 2011, 25, 1191-1200.	2.6	274
7	A global evaluation of streamflow drought characteristics. <i>Hydrology and Earth System Sciences</i> , 2006, 10, 535-552.	4.9	259
8	On the definition and modelling of streamflow drought duration and deficit volume. <i>Hydrological Sciences Journal</i> , 1997, 42, 15-33.	2.6	240
9	The European 2015 drought from a climatological perspective. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1397-1419.	4.9	224
10	Hydrological drought across the world: impact of climate and physical catchment structure. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 1715-1732.	4.9	212
11	Impacts of European drought events: insights from an international database of text-based reports. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 801-819.	3.6	187
12	Estimation of regional meteorological and hydrological drought characteristics: a case study for Denmark. <i>Journal of Hydrology</i> , 2003, 281, 230-247.	5.4	183
13	Space-time modelling of catchment scale drought characteristics. <i>Journal of Hydrology</i> , 2009, 375, 363-372.	5.4	171
14	Modeling drought impact occurrence based on meteorological drought indices in Europe. <i>Journal of Hydrology</i> , 2015, 530, 37-50.	5.4	169
15	Hydrology needed to manage droughts: the 2015 European case. <i>Hydrological Processes</i> , 2016, 30, 3097-3104.	2.6	152
16	Observed drought indices show increasing divergence across Europe. <i>Scientific Reports</i> , 2017, 7, 14045.	3.3	144
17	Comparing Large-Scale Hydrological Model Simulations to Observed Runoff Percentiles in Europe. <i>Journal of Hydrometeorology</i> , 2012, 13, 604-620.	1.9	135
18	Filling the white space on maps of European runoff trends: estimates from a multi-model ensemble. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2035-2047.	4.9	134

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19	The European 2015 drought from a hydrological perspective. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3001-3024.	4.9	132
20	Regional hydrological drought in north-western Europe: linking a new Regional Drought Area Index with weather types. <i>Hydrological Processes</i> , 2011, 25, 1163-1179.	2.6	126
21	Estimating drought risk across Europe from reported drought impacts, drought indices, and vulnerability factors. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2779-2800.	4.9	126
22	The influence of decadal-scale variability on trends in long European streamflow records. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2717-2733.	4.9	113
23	Evaluation of nine large-scale hydrological models with respect to the seasonal runoff climatology in Europe. <i>Water Resources Research</i> , 2012, 48, .	4.2	107
24	Comparison of hydrological model structures based on recession and low flow simulations. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3447-3459.	4.9	104
25	European-Scale Drought: Understanding Connections between Atmospheric Circulation and Meteorological Drought Indices. <i>Journal of Climate</i> , 2015, 28, 505-516.	3.2	96
26	Challenges in modeling and predicting floods and droughts: A review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1520.	6.5	96
27	Spatial and temporal patterns of large-scale droughts in Europe: Model dispersion and performance. <i>Geophysical Research Letters</i> , 2014, 41, 429-434.	4.0	63
28	The 2018 northern European hydrological drought and its drivers in a historical perspective. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5621-5653.	4.9	62
29	Attribution of European precipitation and temperature trends to changes in synoptic circulation. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3093-3107.	4.9	49
30	Inter-comparison of weather and circulation type classifications for hydrological drought development. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 507-515.	2.9	46
31	Low-frequency variability of European runoff. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2853-2869.	4.9	46
32	Response to comment on "Candidate Distributions for Climatological Drought Indices" (Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	3.5	42
33	Streamflow Data from Small Basins: A Challenging Test to High-Resolution Regional Climate Modeling. <i>Journal of Hydrometeorology</i> , 2011, 12, 900-912.	1.9	41
34	Drought Characteristics Derived Based on the Standardized Streamflow Index: A Large Sample Comparison for Parametric and Nonparametric Methods. <i>Water Resources Research</i> , 2020, 56, e2019WR026315.	4.2	37
35	Beyond binary baseflow separation: a delayed-flow index for multiple streamflow contributions. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 849-867.	4.9	36
36	Ocean "Atmosphere Forcing of Summer Streamflow Drought in Great Britain. <i>Journal of Hydrometeorology</i> , 2013, 14, 331-344.	1.9	35

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37	Proneness of European Catchments to Multiyear Streamflow Droughts. <i>Water Resources Research</i> , 2019, 55, 8881-8894.	4.2	28
38	Lessons from the 2018–2019 European droughts: a collective need for unifying drought risk management. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 2201-2217.	3.6	28
39	Five decades of warming: impacts on snow cover in Norway. <i>Hydrology Research</i> , 2018, 49, 670-688.	2.7	21
40	Kinematic wave approximations to hillslope hydrological processes in tills. <i>Hydrological Processes</i> , 2000, 14, 727-745.	2.6	20
41	The challenges of hydrological drought definition, quantification and communication: an interdisciplinary perspective. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 383, 291-295.	1.0	20
42	Effects of shrub and tree cover increase on the near-surface atmosphere in northern Fennoscandia. <i>Biogeosciences</i> , 2017, 14, 4209-4227.	3.3	13
43	Sensitivity of the regional European boreal climate to changes in surface properties resulting from structural vegetation perturbations. <i>Biogeosciences</i> , 2015, 12, 3071-3087.	3.3	12
44	The Sensitivity of the Terrestrial Surface Energy and Water Balance Estimates in the WRF Model to Lower Surface Boundary Representations: A South Norway Case Study. <i>Journal of Hydrometeorology</i> , 2017, 18, 265-284.	1.9	12
45	A probabilistic approach for attributing temperature changes to synoptic type frequency. <i>International Journal of Climatology</i> , 2017, 37, 2990-3002.	3.5	11
46	Sensitivity of potential evaporation estimates to 100 years of climate variability. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 997-1014.	4.9	10
47	Improving the representation of high-latitude vegetation distribution in dynamic global vegetation models. <i>Biogeosciences</i> , 2021, 18, 95-112.	3.3	8
48	Streamflow forecast sensitivity to air temperature forecast calibration for 139 Norwegian catchments. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 723-739.	4.9	5
49	Merits of novel high-resolution estimates and existing long-term estimates of humidity and incident radiation in a complex domain. <i>Earth System Science Data</i> , 2019, 11, 797-821.	9.9	3
50	Nordic hydrological frontier in the 21st century. <i>Hydrology Research</i> , 2022, 53, 700-715.	2.7	2
51	T�rke #8211; en klimafare med alvorlige konsekvenser, ogs� i Norge. <i>Naturen</i> , 2018, 142, 238-245.	0.0	1