Lena M Tallaksen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6453762/publications.pdf

Version: 2024-02-01

51 papers	6,075 citations	126858 33 h-index	189801 50 g-index
93 all docs	93 docs citations	93 times ranked	5459 citing authors

#	Article	IF	Citations
1	Drought in the Anthropocene. Nature Geoscience, 2016, 9, 89-91.	5.4	537
2	Candidate Distributions for Climatological Drought Indices (<scp>SPI</scp> and <scp>SPEI</scp>). International Journal of Climatology, 2015, 35, 4027-4040.	1.5	483
3	Streamflow trends in Europe: evidence from a dataset of near-natural catchments. Hydrology and Earth System Sciences, 2010, 14, 2367-2382.	1.9	370
4	Have streamflow droughts in Europe become more severe or frequent?. International Journal of Climatology, 2001, 21, 317-333.	1.5	302
5	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. Hydrology and Earth System Sciences, 2016, 20, 3631-3650.	1.9	289
6	Largeâ€scale river flow archives: importance, current status and future needs. Hydrological Processes, 2011, 25, 1191-1200.	1.1	274
7	A global evaluation of streamflow drought characteristics. Hydrology and Earth System Sciences, 2006, 10, 535-552.	1.9	259
8	On the definition and modelling of streamflow drought duration and deficit volume. Hydrological Sciences Journal, 1997, 42, 15-33.	1.2	240
9	The European 2015 drought from a climatological perspective. Hydrology and Earth System Sciences, 2017, 21, 1397-1419.	1.9	224
10	Hydrological drought across the world: impact of climate and physical catchment structure. Hydrology and Earth System Sciences, 2013, 17, 1715-1732.	1.9	212
11	Impacts of European drought events: insights from an international database of text-based reports. Natural Hazards and Earth System Sciences, 2016, 16, 801-819.	1.5	187
12	Estimation of regional meteorological and hydrological drought characteristics: a case study for Denmark. Journal of Hydrology, 2003, 281, 230-247.	2.3	183
13	Spaceâ€“time modelling of catchment scale drought characteristics. Journal of Hydrology, 2009, 375, 363-372.	2.3	171
14	Modeling drought impact occurrence based on meteorological drought indices in Europe. Journal of Hydrology, 2015, 530, 37-50.	2.3	169
15	Hydrology needed to manage droughts: the 2015 European case. Hydrological Processes, 2016, 30, 3097-3104.	1.1	152
16	Observed drought indices show increasing divergence across Europe. Scientific Reports, 2017, 7, 14045.	1.6	144
17	Comparing Large-Scale Hydrological Model Simulations to Observed Runoff Percentiles in Europe. Journal of Hydrometeorology, 2012, 13, 604-620.	0.7	135
18	Filling the white space on maps of European runoff trends: estimates from a multi-model ensemble. Hydrology and Earth System Sciences, 2012, 16, 2035-2047.	1.9	134

#	Article	IF	Citations
19	The EuropeanÂ2015 drought from a hydrological perspective. Hydrology and Earth System Sciences, 2017, 21, 3001-3024.	1.9	132
20	Regional hydrological drought in northâ€western Europe: linking a new Regional Drought Area Index with weather types. Hydrological Processes, 2011, 25, 1163-1179.	1.1	126
21	Estimating drought risk across Europe from reported drought impacts, drought indices, and vulnerability factors. Hydrology and Earth System Sciences, 2016, 20, 2779-2800.	1.9	126
22	The influence of decadal-scale variability on trends in long European streamflow records. Hydrology and Earth System Sciences, 2013, 17, 2717-2733.	1.9	113
23	Evaluation of nine largeâ€scale hydrological models with respect to the seasonal runoff climatology in Europe. Water Resources Research, 2012, 48, .	1.7	107
24	Comparison of hydrological model structures based on recession and low flow simulations. Hydrology and Earth System Sciences, 2011, 15, 3447-3459.	1.9	104
25	European-Scale Drought: Understanding Connections between Atmospheric Circulation and Meteorological Drought Indices. Journal of Climate, 2015, 28, 505-516.	1.2	96
26	Challenges in modeling and predicting floods and droughts: A review. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1520.	2.8	96
27	Spatial and temporal patterns of largeâ€scale droughts in Europe: Model dispersion and performance. Geophysical Research Letters, 2014, 41, 429-434.	1.5	63
28	The 2018 northern European hydrological drought and its drivers in a historical perspective. Hydrology and Earth System Sciences, 2020, 24, 5621-5653.	1.9	62
29	Attribution of European precipitation and temperature trends to changes in synoptic circulation. Hydrology and Earth System Sciences, 2015, 19, 3093-3107.	1.9	49
30	Inter-comparison of weather and circulation type classifications for hydrological drought development. Physics and Chemistry of the Earth, 2010, 35, 507-515.	1.2	46
31	Low-frequency variability of European runoff. Hydrology and Earth System Sciences, 2011, 15, 2853-2869.	1.9	46
32	Response to comment on â€˜Candidate Distributions for Climatological Drought Indices () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	1.5	42
33	Streamflow Data from Small Basins: A Challenging Test to High-Resolution Regional Climate Modeling. Journal of Hydrometeorology, 2011, 12, 900-912.	0.7	41
34	Drought Characteristics Derived Based on the Standardized Streamflow Index: A Large Sample Comparison for Parametric and Nonparametric Methods. Water Resources Research, 2020, 56, e2019WR026315.	1.7	37
35	Beyond binary baseflow separation: a delayed-flow index for multiple streamflow contributions. Hydrology and Earth System Sciences, 2020, 24, 849-867.	1.9	36
36	Oceanâ€“Atmosphere Forcing of Summer Streamflow Drought in Great Britain. Journal of Hydrometeorology, 2013, 14, 331-344.	0.7	35

#	Article	IF	Citations
37	Proneness of European Catchments to Multiyear Streamflow Droughts. Water Resources Research, 2019, 55, 8881-8894.	1.7	28
38	Lessons from the 2018â€“2019 European droughts: a collective need for unifying drought risk management. Natural Hazards and Earth System Sciences, 2022, 22, 2201-2217.	1.5	28
39	Five decades of warming: impacts on snow cover in Norway. Hydrology Research, 2018, 49, 670-688.	1.1	21
40	Kinematic wave approximations to hillslope hydrological processes in tills. Hydrological Processes, 2000, 14, 727-745.	1.1	20
41	The challenges of hydrological drought definition, quantification and communication: an interdisciplinary perspective. Proceedings of the International Association of Hydrological Sciences, 0, 383, 291-295.	1.0	20
42	Effects of shrub and tree cover increase on the near-surface atmosphere in northern Fennoscandia. Biogeosciences, 2017, 14, 4209-4227.	1.3	13
43	Sensitivity of the regional European boreal climate to changes in surface properties resulting from structural vegetation perturbations. Biogeosciences, 2015, 12, 3071-3087.	1.3	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. Journal of Hydrometeorology, 2017, 18, 265-284.	0.7	12
45	A probabilistic approach for attributing temperature changes to synoptic type frequency. International Journal of Climatology, 2017, 37, 2990-3002.	1.5	11
46	Sensitivity of potential evaporation estimates to 100 years of climate variability. Hydrology and Earth System Sciences, 2015, 19, 997-1014.	1.9	10
47	Improving the representation of high-latitude vegetation distribution in dynamic global vegetation models. Biogeosciences, 2021, 18, 95-112.	1.3	8
48	Streamflow forecast sensitivity to air temperature forecast calibration for 139 Norwegian catchments. Hydrology and Earth System Sciences, 2019, 23, 723-739.	1.9	5
49	Merits of novel high-resolution estimates and existing long-term estimates of humidity and incident radiation in a complex domain. Earth System Science Data, 2019, 11, 797-821.	3.7	3
50	Nordic hydrological frontier in the 21st century. Hydrology Research, 2022, 53, 700-715.	1.1	2
51	TÃ¸rke – en klimafare med alvorlige konsekvenser, ogsÃ¥ i Norge. Naturen, 2018, 142, 238-245.	0.0	1