Fredrik Wetterhall

List of Publications by Year
in descending order

58	5,058	117625	175258
papers	citations	34	52
		h-index	g-index

71	71	71	5427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in the Application and Utility of Subseasonal-to-Seasonal Predictions. Bulletin of the American Meteorological Society, 2022, 103, E1448-E1472.	3.3	45
2	On the implementation of post-processing of runoff forecast ensembles. Journal of Hydrometeorology, 2021, , .	1.9	1
3	Potential of Pan-European Seasonal Hydrometeorological Drought Forecasts Obtained from a Multihazard Early Warning System. Bulletin of the American Meteorological Society, 2020, 101, E368-E393.	3.3	25
4	Ensemble flood forecasting: Current status and future opportunities. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1432.	6.5	96
5	Hydrological drought forecasts outperform meteorological drought forecasts. Environmental Research Letters, 2020, 15, 084010.	5.2	33
6	Hydrological Ensemble Prediction Systems Around the Globe. , 2019, , 1187-1221.		2
7	Characterising droughts in Central America with uncertain hydro-meteorological data. Theoretical and Applied Climatology, 2019, 137, 2125-2138.	2.8	30
8	Hydrological Challenges in Meteorological Post-processing. , 2019, , 239-253.		4
9	Using the Fire Weather Index Â(FWI) to improve the estimation of fire emissions from fire radiative powerÂ(FRP) observations. Atmospheric Chemistry and Physics, 2018, 18, 5359-5370.	4.9	42
10	The benefit of seamless forecasts for hydrological predictions over Europe. Hydrology and Earth System Sciences, 2018, 22, 3409-3420.	4.9	24
11	Skilful seasonal forecasts of streamflow over Europe?. Hydrology and Earth System Sciences, 2018, 22, 2057-2072.	4.9	88
12	How do I know if Iâ€™ve improved my continental scale flood early warning system?. Environmental Research Letters, 2017, 12, 044006.	5.2	20
13	Improving Forecasts of Biomass Burning Emissions with the Fire Weather Index. Journal of Applied Meteorology and Climatology, 2017, 56, 2789-2799.	1.5	16
14	On the Operational Implementation of the European Flood Awareness System (EFAS). , 2016, , 313-348.		42
15	Willingness-to-pay for a probabilistic flood forecast: a risk-based decision-making game. Hydrology and Earth System Sciences, 2016, 20, 3109-3128.	4.9	38
16	The Potential Predictability of Fire Danger Provided by Numerical Weather Prediction. Journal of Applied Meteorology and Climatology, 2016, 55, 2469-2491.	1.5	99
17	Building a Multimodel Flood Prediction System with the TIGGE Archive. Journal of Hydrometeorology, 2016, 17, 2923-2940.	1.9	23
18	Technical review of large-scale hydrological models for implementation in operational flood forecasting schemes on continental level. Environmental Modelling and Software, 2016, 75, 68-76.	4.5	174

#	Article	IF	Citations
19	Hydrological Challenges in Meteorological Post-processing. , 2016, , 1-15.		0
20	The monetary benefit of early flood warnings in Europe. Environmental Science and Policy, 2015, 51, 278-291.	4.9	160
21	Imbalanced land surface water budgets in a numerical weather prediction system. Geophysical Research Letters, 2015, 42, 4411-4417.	4.0	12
22	Corrigendum to "Seasonal predictions of agro-meteorological drought indicators for the Limpopo basin" published in Hydrol. Earth Syst. Sci., 19, 2577â€"2586, 2015. Hydrology and Earth System Sciences, 2015, 19, 2637-2637.	4.9	0
23	Seasonal predictions of agro-meteorological drought indicators for the Limpopo basin. Hydrology and Earth System Sciences, 2015, 19, 2577-2586.	4.9	43
24	How do I know if my forecasts are better? Using benchmarks in hydrological ensemble prediction. Journal of Hydrology, 2015, 522, 697-713.	5.4	129
25	The potential value of seasonal forecasts in a changing climate in southern Africa. Hydrology and Earth System Sciences, 2014, 18, 1525-1538.	4.9	51
26	The extreme runoff index for flood early warning in Europe. Natural Hazards and Earth System Sciences, 2014, 14, 1505-1515.	3.6	28
27	Comparison of drought indicators derived from multiple data sets over Africa. Hydrology and Earth System Sciences, 2014, 18, 1625-1640.	4.9	72
28	Global meteorological drought â€" Part 2: Seasonal forecasts. Hydrology and Earth System Sciences, 2014, 18, 2669-2678.	4.9	59
29	Global meteorological drought â€" Part 1: Probabilistic monitoring. Hydrology and Earth System Sciences, 2014, 18, 2657-2667.	4.9	36
30	Forecasting droughts in East Africa. Hydrology and Earth System Sciences, 2014, 18, 611-620.	4.9	93
31	Prediction of the Caspian Sea level using ECMWF seasonal forecasts and reanalysis. Theoretical and Applied Climatology, 2014, 117, 41-60.	2.8	29
32	Evaluation of ensemble streamflow predictions in Europe. Journal of Hydrology, 2014, 517, 913-922.	5.4	124
33	Investigating the application of climate models in flood projection across the UK. Hydrological Processes, 2014, 28, 2810-2823.	2.6	24
34	Visualizing probabilistic flood forecast information: expert preferences and perceptions of best practice in uncertainty communication. Hydrological Processes, 2013, 27, 132-146.	2.6	100
35	The 2010â€"2011 drought in the Horn of Africa in ECMWF reanalysis and seasonal forecast products. International Journal of Climatology, 2013, 33, 1720-1729.	3.5	119
36	Modelling climate impact on floods with ensemble climate projections. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 282-297.	2.7	92

#	Article	IF	Citations
37	Assessment of a 1-hour gridded precipitation dataset to drive a hydrological model: a case study of the summer 2007 floods in the Upper Severn, UK. Hydrology Research, 2013, 44, 89-105.	2.7	28
38	The extreme forecast index at the seasonal scale. Atmospheric Science Letters, 2013, 14, 256-262.	1.9	18
39	Toward Global Drought Early Warning Capability: Expanding International Cooperation for the Development of a Framework for Monitoring and Forecasting. Bulletin of the American Meteorological Society, 2013, 94, 776-785.	3.3	142
40	HESS Opinions &quot;Forecaster priorities for improving probabilistic flood forecasts&quot;. Hydrology and Earth System Sciences, 2013, 17, 4389-4399.	4.9	53
41	Seasonal forecasts of droughts in African basins using the Standardized Precipitation Index. Hydrology and Earth System Sciences, 2013, 17, 2359-2373.	4.9	84
42	Deriving global flood hazard maps of fluvial floods through a physical model cascade. Hydrology and Earth System Sciences, 2012, 16, 4143-4156.	4.9	175
43	Conditioning model output statistics of regional climate model precipitation on circulation patterns. Nonlinear Processes in Geophysics, 2012, 19, 623-633.	1.3	61
44	Operational early warning systems for water-related hazards in Europe. Environmental Science and Policy, 2012, 21, 35-49.	4.9	206
45	Using ensemble climate projections to assess probabilistic hydrological change in the Nordic region. Natural Hazards and Earth System Sciences, 2011, 11, 2295-2306.	3.6	39
46	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. Climate Dynamics, 2011, 37, 2087-2105.	3.8	160
47	Climate impacts on river flow: projections for the Medway catchment, UK, with UKCP09 and CATCHMOD. Hydrological Processes, 2010, 24, 3476-3489.	2.6	32
48	Distribution-based scaling to improve usability of regional climate model projections for hydrological climate change impacts studies. Hydrology Research, 2010, 41, 211-229.	2.7	215
49	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. Reviews of Geophysics, 2010, 48, .	23.0	1,256
50	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940â€“2099). Climate Research, 2010, 45, 227-248.	1.1	12
51	Tracking the uncertainty in flood alerts driven by grand ensemble weather predictions. Meteorological Applications, 2009, 16, 91-101.	2.1	109
52	Statistical downscaling of daily precipitation over Sweden using GCM output. Theoretical and Applied Climatology, 2009, 96, 95-103.	2.8	59
53	Seasonality properties of four statistical-downscaling methods in central Sweden. Theoretical and Applied Climatology, 2007, 87, 123-137.	2.8	50
54	Daily precipitation-downscaling techniques in three Chinese regions. Water Resources Research, 2006, 42, .	4.2	93

#	Article	IF	Citations
55	Statistical precipitation downscaling in central Sweden with the analogue method. Journal of Hydrology, 2005, 306, 174-190.	5.4	119
56	Effects of temporal resolution of input precipitation on the performance of hydrological forecasting. Advances in Geosciences, 0, 29, 21-25.	12.0	18
57	Forecast convergence score: a forecaster's approach to analysing hydro-meteorological forecast systems. Advances in Geosciences, 0, 29, 27-32.	12.0	20
58	Coupling ensemble weather predictions based on TIGGE database with Grid-Xinanjiang model for flood forecast. Advances in Geosciences, 0, 29, 61-67.	12.0	46