Hannah L Cloke

List of Publications by Year
in descending order

85 papers	5,350 citations	109137 35 h-index	91712 69 g-index
146 all docs	146 docs citations	146 times ranked	5517 citing authors

#	Article	IF	Citations
1	Going home for tea and medals: How members of the flood risk management authorities in England construct flooding and flood risk management. Journal of Flood Risk Management, 2022, 15, e12768.	1.6	8
2	Drought and society: Scientific progress, blind spots, and future prospects. Wiley Interdisciplinary Reviews: Climate Change, 2022, 13, .	3.6	20
3	What are the drivers of Caspian Sea level variation during the late Quaternary?. Quaternary Science Reviews, 2022, 283, 107457.	1.4	10
4	Thermofeel: A python thermal comfort indices library. SoftwareX, 2022, 18, 101005.	1.2	12
5	Hydrological Impact of the New ECMWF Multi-Layer Snow Scheme. Atmosphere, 2022, 13, 727.	1.0	4
6	Evaluating the impact of post-processing medium-range ensemble streamflow forecasts from the European Flood Awareness System. Hydrology and Earth System Sciences, 2022, 26, 2939-2968.	1.9	8
7	Heatwaves: An invisible risk in UK policy and research. Environmental Science and Policy, 2021, 116, 1-7.	2.4	19
8	ERA5â€HEAT: A global gridded historical dataset of human thermal comfort indices from climate reanalysis. Geoscience Data Journal, 2021, 8, 2-10.	1.8	101
9	Floodwater detection in urban areas using Sentinel-1 and WorldDEM data. Journal of Applied Remote Sensing, 2021, 15, .	0.6	32
10	Donâ€™t blame the rain: Social power and the 2015â€"2017 drought in Cape Town. Journal of Hydrology, 2021, 594, 125953.	2.3	47
11	Improving Urban Flood Mapping by Merging Synthetic Aperture Radar-Derived Flood Footprints with Flood Hazard Maps. Water (Switzerland), 2021, 13, 1577.	1.2	16
12	Knowledge gaps in our perceptual model of Great Britain's hydrology. Hydrological Processes, 2021, 35, e14288.	1.1	22
13	Evaluation of the ERA5 reanalysis-based Universal Thermal Climate Index on mortality data in Europe. Environmental Research, 2021, 198, 111227.	3.7	63
14	Influence of ENSO and tropical Atlantic climate variability on flood characteristics in the Amazon basin. Hydrology and Earth System Sciences, 2021, 25, 3875-3895.	1.9	13
15	Integrating Multiple Research Methods to Unravel the Complexity of Humanâ€Water Systems. AGU Advances, 2021, 2, e2021AV000473.	2.3	13
16	The fate of the Caspian Sea under projected climate change and water extraction during the 21st century. Environmental Research Letters, 2021, 16, 094024.	2.2	16
17	Impacts of Variations in Caspian Sea Surface Area on Catchmentâ€Scale and Largeâ€Scale Climate. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034251.	1.2	10
18	Borderless Heat Hazards With Bordered Impacts. Earth's Future, 2021, 9, e2021EF002064.	2.4	9

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19	Beyond El Niño: Unsung climate modes drive African floods. Weather and Climate Extremes, 2021, 33, 100345.	1.6	8
20	Developing observational methods to drive future hydrological science: Can we make a start as a community?. Hydrological Processes, 2020, 34, 868-873.	1.1	34
21	A global evaluation of multi‐model ensemble tropical cyclone track probability forecasts. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 531-545.	1.0	27
22	Emergency flood bulletins for Cyclones Idai and Kenneth: A critical evaluation of the use of global flood forecasts for international humanitarian preparedness and response. International Journal of Disaster Risk Reduction, 2020, 50, 101811.	1.8	39
23	Using ensemble reforecasts to generate flood thresholds for improved global flood forecasting. Journal of Flood Risk Management, 2020, 13, e12658.	1.6	21
24	Attribution of Amazon floods to modes of climate variability: A review. Meteorological Applications, 2020, 27, e1949.	0.9	18
25	Evaluation of the Consistency of ECMWF Ensemble Forecasts. Geophysical Research Letters, 2020, 47, e2020GL087934.	1.5	6
26	A Vision for Hydrological Prediction. Atmosphere, 2020, 11, 237.	1.0	17
27	GloFAS-ERA5 operational global river discharge reanalysis 1979–present. Earth System Science Data, 2020, 12, 2043-2060.	3.7	124
28	"Are we talking just a bit of water out of bank? Or is it Armageddon?"Front line perspectives on transitioning to probabilistic fluvial flood forecasts in England. Geoscience Communication, 2020, 3, 203-232.	0.5	15
29	Assessing the performance of global hydrological models for capturing peak river flows in the Amazon basin. Hydrology and Earth System Sciences, 2019, 23, 3057-3080.	1.9	79
30	How Well Do Operational Numerical Weather Prediction Configurations Represent Hydrology?. Journal of Hydrometeorology, 2019, 20, 1533-1552.	0.7	22
31	Hydrological Ensemble Prediction Systems Around the Globe. , 2019, , 1187-1221.		2
32	What is the most useful approach for forecasting hydrological extremes during El Niño?. Environmental Research Communications, 2019, 1, 031002.	0.9	11
33	Mapping combined wildfire and heat stress hazards to improve evidence-based decision making. Environment International, 2019, 127, 21-34.	4.8	45
34	Verification of Heat Stress Thresholds for a Health-Based Heat-Wave Definition. Journal of Applied Meteorology and Climatology, 2019, 58, 1177-1194.	0.6	66
35	Cartograms for Use in Forecasting Weather-Driven Natural Hazards. Cartographic Journal, 2019, 56, 134-145.	0.8	6
36	Estimation of uncertainty in flood forecasts—A comparison of methods. Journal of Flood Risk Management, 2019, 12, .	1.6	16

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37	Assessing heat-related health risk in Europe via the Universal Thermal Climate Index (UTCI). International Journal of Biometeorology, 2018, 62, 1155-1165.	1.3	170
38	Can seasonal hydrological forecasts inform local decisions and actions? A decision-making activity. Geoscience Communication, 2018, 1, 35-57.	0.5	16
39	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. Remote Sensing, 2018, 10, 2038.	1.8	95
40	Skilful seasonal forecasts of streamflow over Europe?. Hydrology and Earth System Sciences, 2018, 22, 2057-2072.	1.9	88
41	Developing a global operational seasonal hydro-meteorological forecasting system: GloFAS-Seasonal v1.0. Geoscientific Model Development, 2018, 11, 3327-3346.	1.3	69
42	The 2013/14 Thames Basin Floods: Do Improved Meteorological Forecasts Lead to More Skillful Hydrological Forecasts at Seasonal Time Scales?. Journal of Hydrometeorology, 2018, 19, 1059-1075.	0.7	10
43	Robust algorithm for detecting floodwater in urban areas using synthetic aperture radar images. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	25
44	An Efficient Approach for Estimating Streamflow Forecast Skill Elasticity. Journal of Hydrometeorology, 2017, 18, 1715-1729.	0.7	22
45	How do I know if Iâ€™ve improved my continental scale flood early warning system?. Environmental Research Letters, 2017, 12, 044006.	2.2	20
46	Evaluating uncertainty in estimates of soil moisture memory with a reverse ensemble approach. Hydrology and Earth System Sciences, 2016, 20, 2737-2743.	1.9	6
47	Willingness-to-pay for a probabilistic flood forecast: a risk-based decision-making game. Hydrology and Earth System Sciences, 2016, 20, 3109-3128.	1.9	38
48	Improved seasonal prediction of the hot summer of 2003 over Europe through better representation of uncertainty in the land surface. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 79-90.	1.0	28
49	Improving the TanDEM-X Digital Elevation Model for flood modelling using flood extents from Synthetic Aperture Radar images. Remote Sensing of Environment, 2016, 173, 15-28.	4.6	48
50	Continental and global scale flood forecasting systems. Wiley Interdisciplinary Reviews: Water, 2016, 3, 391-418.	2.8	185
51	The monetary benefit of early flood warnings in Europe. Environmental Science and Policy, 2015, 51, 278-291.	2.4	160
52	Imbalanced land surface water budgets in a numerical weather prediction system. Geophysical Research Letters, 2015, 42, 4411-4417.	1.5	12
53	ERA-Interim/Land: a global land surface reanalysis data set. Hydrology and Earth System Sciences, 2015, 19, 389-407.	1.9	483
54	The potential of flood forecasting using a variable-resolution global Digital Terrain Model and flood extents from Synthetic Aperture Radar images. Frontiers in Earth Science, 2015, 3, .	0.8	15

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55	How do I know if my forecasts are better? Using benchmarks in hydrological ensemble prediction. Journal of Hydrology, 2015, 522, 697-713.	2.3	129
56	Satellite-supported flood forecasting in river networks: A real case study. Journal of Hydrology, 2015, 523, 706-724.	2.3	88
57	Hyperresolution information and hyperresolution ignorance in modelling the hydrology of the land surface. Science China Earth Sciences, 2015, 58, 25-35.	2.3	74
58	The impact of uncertain precipitation data on insurance loss estimates using a flood catastrophe model. Hydrology and Earth System Sciences, 2014, 18, 2305-2324.	1.9	48
59	Improving flood forecasts for better flood preparedness in the <scp>UK</scp> (and beyond). Geographical Journal, 2014, 180, 310-316.	1.6	40
60	Challenges of Operational River Forecasting. Journal of Hydrometeorology, 2014, 15, 1692-1707.	0.7	127
61	Recent climatic trends and linkages to river discharge in Central Vietnam. Hydrological Processes, 2014, 28, 1587-1601.	1.1	24
62	The European Flood Alert System and the communication, perception, and use of ensemble predictions for operational flood risk management. Hydrological Processes, 2013, 27, 147-157.	1.1	100
63	The 2010â€"2011 drought in the Horn of Africa in ECMWF reanalysis and seasonal forecast products. International Journal of Climatology, 2013, 33, 1720-1729.	1.5	119
64	Hydrological ensemble prediction systems. Hydrological Processes, 2013, 27, 1-4.	1.1	33
65	Modelling climate impact on floods with ensemble climate projections. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 282-297.	1.0	92
66	Reducing Inconsistencies in Point Observations of Maximum Flood Inundation Level. Earth Interactions, 2013, 17, 1-27.	0.7	12
67	HESS Opinions &quot;Forecaster priorities for improving probabilistic flood forecasts&quot;. Hydrology and Earth System Sciences, 2013, 17, 4389-4399.	1.9	53
68	Large-scale hydrology: observations and modelling. Hydrology Research, 2013, 44, 747-747.	1.1	0
69	Improving the evaluation of hydrological multi-model forecast performance in the Upper Danube Catchment. International Journal of River Basin Management, 2012, 10, 1-12.	1.5	12
70	Comment on â€œHyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial waterâ€•by Eric F. Wood et al.. Water Resources Research, 2012, 48, .	1.7	132
71	Deriving global flood hazard maps of fluvial floods through a physical model cascade. Hydrology and Earth System Sciences, 2012, 16, 4143-4156.	1.9	175
72	Technical Note: The normal quantile transformation and its application in a flood forecasting system. Hydrology and Earth System Sciences, 2012, 16, 1085-1094.	1.9	80

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73	Monsoons: prediction, variability and impact. Meteorological Applications, 2012, 19, 129-129.	0.9	1
74	Quality control, validation and user feedback of the European Flood Alert System (EFAS). International Journal of Digital Earth, 2011, 4, 77-90.	1.6	23
75	Largeâ€scale hydrology: advances in understanding processes, dynamics and models from beyond river basin to global scale. Hydrological Processes, 2011, 25, 991-995.	1.1	23
76	Climate impacts on river flow: projections for the Medway catchment, UK, with UKCP09 and CATCHMOD. Hydrological Processes, 2010, 24, 3476-3489.	1.1	32
77	Challenges in communicating and using ensembles in operational flood forecasting. Meteorological Applications, 2010, 17, 209-222.	0.9	98
78	Ensemble flood forecasting: A review. Journal of Hydrology, 2009, 375, 613-626.	2.3	851
79	Evaluating forecasts of extreme events for hydrological applications: an approach for screening unfamiliar performance measures. Meteorological Applications, 2008, 15, 181-197.	0.9	65
80	New dimensions in early flood warning across the globe using grandâ€ensemble weather predictions. Geophysical Research Letters, 2008, 35, .	1.5	115
81	Ensemble predictions and perceptions of risk, uncertainty, and error in flood forecasting. Environmental Hazards, 2007, 7, 115-127.	1.4	155
82	Evaluation of river flow in Europe over the last four decades using ERA40. , 2004, 5568, 92.		0
83	Evaluation of a four-decade pan-European database of surface precipitation for river flow modeling. , 2004, 5574, 61.		0
84	Mixing of Hillslope, River, and Alluvial Ground Waters in Lowland Floodplains. Ground Water, 2003, 41, 926-936.	0.7	14
85	Simulation numÃ©rique d'Ã©coulements en milieu poreux avec l'Ã©quation de Richards. Revue Europeenne Des Elements, 2003, 12, 203-220.	0.1	3