

# Hayley Fowler

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1843974/hayley-fowler-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

11,970  
citations

54  
h-index

107  
g-index

203  
ext. papers

14,077  
ext. citations

5.5  
avg. IF

7.11  
L-index

#	Paper	IF	Citations
170	Linking climate change modelling to impacts studies: recent advances in downscaling techniques for hydrological modelling. <i>International Journal of Climatology</i> , <b>2007</b> , 27, 1547-1578	3.5	1438
169	Elevation-dependent warming in mountain regions of the world. <i>Nature Climate Change</i> , <b>2015</b> , 5, 424-430	11.4	1173
168	Future changes to the intensity and frequency of short-duration extreme rainfall. <i>Reviews of Geophysics</i> , <b>2014</b> , 52, 522-555	23.1	599
167	Heavier summer downpours with climate change revealed by weather forecast resolution model. <i>Nature Climate Change</i> , <b>2014</b> , 4, 570-576	21.4	468
166	Climate change and mountain water resources: overview and recommendations for research, management and policy. <i>Hydrology and Earth System Sciences</i> , <b>2011</b> , 15, 471-504	5.5	356
165	Conflicting Signals of Climatic Change in the Upper Indus Basin. <i>Journal of Climate</i> , <b>2006</b> , 19, 4276-4293	4.4	345
164	Spatial and temporal variations in precipitation in the Upper Indus Basin, global teleconnections and hydrological implications. <i>Hydrology and Earth System Sciences</i> , <b>2004</b> , 8, 47-61	5.5	342
163	A daily weather generator for use in climate change studies. <i>Environmental Modelling and Software</i> , <b>2007</b> , 22, 1705-1719	5.2	317
162	A regional frequency analysis of United Kingdom extreme rainfall from 1961 to 2000. <i>International Journal of Climatology</i> , <b>2003</b> , 23, 1313-1334	3.5	247
161	Large scale surface/subsurface hydrological model to assess climate change impacts on groundwater reserves. <i>Journal of Hydrology</i> , <b>2009</b> , 373, 122-138	6	198
160	Do Convection-Permitting Regional Climate Models Improve Projections of Future Precipitation Change?. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 79-93	6.1	190
159	Multi-model ensemble estimates of climate change impacts on UK seasonal precipitation extremes. <i>International Journal of Climatology</i> , <b>2009</b> , 29, 385-416	3.5	175
158	RainSim: A spatial-temporal stochastic rainfall modelling system. <i>Environmental Modelling and Software</i> , <b>2008</b> , 23, 1356-1369	5.2	175
157	Challenges in Quantifying Changes in the Global Water Cycle. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1097-1115	6.1	168
156	Using regional climate model data to simulate historical and future river flows in northwest England. <i>Climatic Change</i> , <b>2007</b> , 80, 337-367	4.5	150
155	New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 1. Assessment of control climate. <i>Journal of Hydrology</i> , <b>2005</b> , 300, 212-233	6	149
154	Estimating change in extreme European precipitation using a multimodel ensemble. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		145

153	New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 2. Future estimates and use in impact studies. <i>Journal of Hydrology</i> , <b>2005</b> , 300, 234-251	6	137
152	Modeling the impacts of climatic change and variability on the reliability, resilience, and vulnerability of a water resource system. <i>Water Resources Research</i> , <b>2003</b> , 39,	5.4	130
151	Storylines: an alternative approach to representing uncertainty in physical aspects of climate change. <i>Climatic Change</i> , <b>2018</b> , 151, 555-571	4.5	130
150	Super-Clausius-Clapeyron Scaling of Extreme Hourly Convective Precipitation and Its Relation to Large-Scale Atmospheric Conditions. <i>Journal of Climate</i> , <b>2017</b> , 30, 6037-6052	4.4	125
149	Changes in European drought characteristics projected by the PRUDENCE regional climate models. <i>International Journal of Climatology</i> , <b>2007</b> , 27, 1595-1610	3.5	120
148	Sustainability of water resources management in the Indus Basin under changing climatic and socio economic conditions. <i>Hydrology and Earth System Sciences</i> , <b>2010</b> , 14, 1669-1680	5.5	118
147	Detection of continental-scale intensification of hourly rainfall extremes. <i>Nature Climate Change</i> , <b>2018</b> , 8, 803-807	21.4	116
146	Characterizing Uncertainty of the Hydrologic Impacts of Climate Change. <i>Current Climate Change Reports</i> , <b>2016</b> , 2, 55-64	9	115
145	The Value of High-Resolution Met Office Regional Climate Models in the Simulation of Multihourly Precipitation Extremes. <i>Journal of Climate</i> , <b>2014</b> , 27, 6155-6174	4.4	114
144	Is the intensification of precipitation extremes with global warming better detected at hourly than daily resolutions?. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 974-983	4.9	110
143	Using satellite altimetry data to augment flow estimation techniques on the Mekong River. <i>Hydrological Processes</i> , <b>2010</b> , 24, 3811-3825	3.3	108
142	A weather-type conditioned multi-site stochastic rainfall model for the generation of scenarios of climatic variability and change. <i>Journal of Hydrology</i> , <b>2005</b> , 308, 50-66	6	108
141	Does increasing the spatial resolution of a regional climate model improve the simulated daily precipitation?. <i>Climate Dynamics</i> , <b>2013</b> , 41, 1475-1495	4.2	105
140	Karakoram temperature and glacial melt driven by regional atmospheric circulation variability. <i>Nature Climate Change</i> , <b>2017</b> , 7, 664-670	21.4	102
139	Downturn in scaling of UK extreme rainfall with temperature for future hottest days. <i>Nature Geoscience</i> , <b>2016</b> , 9, 24-28	18.3	90
138	Using meteorological data to forecast seasonal runoff on the River Jhelum, Pakistan. <i>Journal of Hydrology</i> , <b>2008</b> , 361, 10-23	6	88
137	Downscaling transient climate change using a Neyman-Scott Rectangular Pulses stochastic rainfall model. <i>Journal of Hydrology</i> , <b>2010</b> , 381, 18-32	6	87
136	Changes in drought frequency, severity and duration for the British Isles projected by the PRUDENCE regional climate models. <i>Journal of Hydrology</i> , <b>2007</b> , 342, 50-71	6	83

135	Anthropogenic intensification of short-duration rainfall extremes. <i>Nature Reviews Earth &amp; Environment</i> , <b>2021</b> , 2, 107-122	30.2	83
134	Detecting changes in seasonal precipitation extremes using regional climate model projections: Implications for managing fluvial flood risk. <i>Water Resources Research</i> , <b>2010</b> , 46,	5.4	81
133	Implications of changes in seasonal and annual extreme rainfall. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	80
132	Modelling the impacts of projected future climate change on water resources in north-west England. <i>Hydrology and Earth System Sciences</i> , <b>2007</b> , 11, 1115-1126	5.5	77
131	Regional climate model data used within the SWURVE project II: projected changes in seasonal patterns and estimation of PET. <i>Hydrology and Earth System Sciences</i> , <b>2007</b> , 11, 1069-1083	5.5	77
130	Temperature influences on intense UK hourly precipitation and dependency on large-scale circulation. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 054021	6.2	70
129	Precipitation and the North Atlantic Oscillation: a study of climatic variability in northern England. <i>International Journal of Climatology</i> , <b>2002</b> , 22, 843-866	3.5	69
128	A weather-type approach to analysing water resource drought in the Yorkshire region from 1881 to 1998. <i>Journal of Hydrology</i> , <b>2002</b> , 262, 177-192	6	68
127	Using probabilistic climate change information from a multimodel ensemble for water resources assessment. <i>Water Resources Research</i> , <b>2009</b> , 45,	5.4	67
126	An assessment of changes in seasonal and annual extreme rainfall in the UK between 1961 and 2009. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 1178-1194	3.5	66
125	Modeling climate change impacts on groundwater resources using transient stochastic climatic scenarios. <i>Water Resources Research</i> , <b>2011</b> , 47,	5.4	66
124	Characterising flash flood response to intense rainfall and impacts using historical information and gauged data in Britain. <i>Journal of Flood Risk Management</i> , <b>2018</b> , 11, S121-S133	3.1	63
123	Modeling the impacts of future climate change on water resources for the Gllago river basin (Spain). <i>Water Resources Research</i> , <b>2012</b> , 48,	5.4	62
122	Global Observational Evidence of Strong Linkage Between Dew Point Temperature and Precipitation Extremes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12,320-12,330	4.9	61
121	Trends in timing and magnitude of flow in the Upper Indus Basin. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 1503-1516	5.5	60
120	Advances in understanding large-scale responses of the water cycle to climate change. <i>Annals of the New York Academy of Sciences</i> , <b>2020</b> , 1472, 49-75	6.5	59
119	Quality-control of an hourly rainfall dataset and climatology of extremes for the UK. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 722-740	3.5	57
118	Temperature-extreme precipitation scaling: a two-way causality?. <i>International Journal of Climatology</i> , <b>2018</b> , 38, e1274	3.5	56

117	Detecting change in UK extreme precipitation using results from the climateprediction.net BBC climate change experiment. <i>Extremes</i> , <b>2010</b> , 13, 241-267	0.7	54
116	Hydrological impacts of climate change on the Tejo and Guadiana Rivers. <i>Hydrology and Earth System Sciences</i> , <b>2007</b> , 11, 1175-1189	5.5	54
115	Using the UKCP09 probabilistic scenarios to model the amplified impact of climate change on drainage basin sediment yield. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 4401-4416	5.5	51
114	Objective classification of extreme rainfall regions for the UK and updated estimates of trends in regional extreme rainfall. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 751-765	3.5	47
113	A stochastic rainfall model for the assessment of regional water resource systems under changed climatic condition. <i>Hydrology and Earth System Sciences</i> , <b>2000</b> , 4, 263-281	5.5	47
112	Climate change impacts on the leaching of a heavy metal contamination in a small lowland catchment. <i>Journal of Contaminant Hydrology</i> , <b>2012</b> , 127, 47-64	3.9	46
111	Projected increases in summer and winter UK sub-daily precipitation extremes from high-resolution regional climate models. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 084019	6.2	45
110	Application of a stochastic weather generator to assess climate change impacts in a semi-arid climate: The Upper Indus Basin. <i>Journal of Hydrology</i> , <b>2014</b> , 517, 1019-1034	6	45
109	Identification of key climatic factors regulating the transport of pesticides in leaching and to tile drains. <i>Pest Management Science</i> , <b>2008</b> , 64, 933-44	4.6	44
108	The INTENSE project: using observations and models to understand the past, present and future of sub-daily rainfall extremes. <i>Advances in Science and Research</i> , <b>15</b> , 117-126		44
107	A stochastic model for the spatial-temporal simulation of nonhomogeneous rainfall occurrence and amounts. <i>Water Resources Research</i> , <b>2010</b> , 46,	5.4	43
106	Real-Time Flood Forecasting Based on a High-Performance 2-D Hydrodynamic Model and Numerical Weather Predictions. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR025583	5.4	39
105	GSDR: A Global Sub-Daily Rainfall Dataset. <i>Journal of Climate</i> , <b>2019</b> , 32, 4715-4729	4.4	38
104	Fragility Curves for Assessing the Resilience of Electricity Networks Constructed from an Extensive Fault Database. <i>Natural Hazards Review</i> , <b>2018</b> , 19, 04017019	3.5	38
103	Climate change impacts on Yangtze River discharge at the Three Gorges Dam. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 1911-1927	5.5	38
102	Increases in summertime concurrent drought and heatwave in Eastern China. <i>Weather and Climate Extremes</i> , <b>2020</b> , 28, 100242	6	37
101	Development of agro-environmental scenarios to support pesticide risk assessment in Europe. <i>Science of the Total Environment</i> , <b>2008</b> , 407, 574-88	10.2	35
100	When Will We Detect Changes in Short-Duration Precipitation Extremes?. <i>Journal of Climate</i> , <b>2018</b> , 31, 2945-2964	4.4	34

99	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3169-3180	4.3	34
98	A rule based quality control method for hourly rainfall data and a 1 km resolution gridded hourly rainfall dataset for Great Britain: CEH-GEAR1hr. <i>Journal of Hydrology</i> , <b>2018</b> , 564, 930-943	6	34
97	On the use of indices to study extreme precipitation on sub-daily and daily timescales. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 125008	6.2	34
96	Mobility, turnover and storage of pollutants in soils, sediments and waters: achievements and results of the EU project AquaTerra. A review. <i>Agronomy for Sustainable Development</i> , <b>2009</b> , 29, 161-173 <sup>6.8</sup>		34
95	Assessment of Runoff Sensitivity in the Upper Indus Basin to Interannual Climate Variability and Potential Change Using MODIS Satellite Data Products. <i>Mountain Research and Development</i> , <b>2012</b> , 32, 16	1.4	32
94	Developing climatic scenarios for pesticide fate modelling in Europe. <i>Environmental Pollution</i> , <b>2008</b> , 154, 219-31	9.3	31
93	Projected changes in extreme precipitation over Scotland and Northern England using a high-resolution regional climate model. <i>Climate Dynamics</i> , <b>2018</b> , 51, 3559-3577	4.2	29
92	A synthesis of hourly and daily precipitation extremes in different climatic regions. <i>Weather and Climate Extremes</i> , <b>2019</b> , 26, 100219	6	27
91	The impact of climate change on extreme precipitation in Sicily, Italy. <i>Hydrological Processes</i> , <b>2018</b> , 32, 332-348	3.3	27
90	Future climate scenarios and rainfall--runoff modelling in the Upper Gallego catchment (Spain). <i>Environmental Pollution</i> , <b>2007</b> , 148, 842-54	9.3	27
89	Opportunities from Remote Sensing for Supporting Water Resources Management in Village/Valley Scale Catchments in the Upper Indus Basin. <i>Water Resources Management</i> , <b>2012</b> , 26, 845-877	3.7	26
88	Developing observational methods to drive future hydrological science: Can we make a start as a community?. <i>Hydrological Processes</i> , <b>2020</b> , 34, 868-873	3.3	24
87	Systematic increases in the thermodynamic response of hourly precipitation extremes in an idealized warming experiment with a convection-permitting climate model. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 074012	6.2	23
86	The Karakoram/Western Tibetan vortex: seasonal and year-to-year variability. <i>Climate Dynamics</i> , <b>2018</b> , 51, 3883-3906	4.2	23
85	The characteristics of summer sub-hourly rainfall over the southern UK in a high-resolution convective permitting model. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 094024	6.2	23
84	Regional frequency analysis of extreme rainfall in Sicily (Italy). <i>International Journal of Climatology</i> , <b>2018</b> , 38, e698-e716	3.5	22
83	Europe-wide precipitation projections at convection permitting scale with the Unified Model. <i>Climate Dynamics</i> , <b>2020</b> , 55, 409-428	4.2	22
82	Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20190542	3	22

81	Strong Intensification of Hourly Rainfall Extremes by Urbanization. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088758	4.9	21
80	Examination of climate risk using a modified uncertainty matrix framework—Applications in the water sector. <i>Global Environmental Change</i> , <b>2013</b> , 23, 115-129	10.1	21
79	Contribution of large-scale midlatitude disturbances to hourly precipitation extremes in the United States. <i>Climate Dynamics</i> , <b>2019</b> , 52, 197-208	4.2	21
78	Influence of temporal data aggregation on trend estimation for intense rainfall. <i>Advances in Water Resources</i> , <b>2018</b> , 122, 304-316	4.7	21
77	Effect of temporal aggregation on the estimate of annual maximum rainfall depths for the design of hydraulic infrastructure systems. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 710-720	6	20
76	Reply to comments on “Temperature-extreme precipitation scaling: a two-way causality?” <i>International Journal of Climatology</i> , <b>2018</b> , 38, 4664-4666	3.5	20
75	Assessing the threat of future megadrought in Iberia. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 5024-5034	3.5	19
74	Large-Scale Predictors for Extreme Hourly Precipitation Events in Convection-Permitting Climate Simulations. <i>Journal of Climate</i> , <b>2018</b> , 31, 2115-2131	4.4	19
73	Evaluation of Upper Indus Near-Surface Climate Representation by WRF in the High Asia Refined Analysis. <i>Journal of Hydrometeorology</i> , <b>2019</b> , 20, 467-487	3.7	18
72	Sensitivity of extreme rainfall to temperature in semi-arid Mediterranean regions. <i>Atmospheric Research</i> , <b>2019</b> , 225, 30-44	5.4	18
71	A Detailed Cloud Fraction Climatology of the Upper Indus Basin and Its Implications for Near-Surface Air Temperature*. <i>Journal of Climate</i> , <b>2015</b> , 28, 3537-3556	4.4	18
70	Incorporating climate change in flood estimation guidance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20190548	3	17
69	A new precipitation and drought climatology based on weather patterns. <i>International Journal of Climatology</i> , <b>2018</b> , 38, 630-648	3.5	16
68	Dry getting drier—The future of transnational river basins in Iberia. <i>Journal of Hydrology: Regional Studies</i> , <b>2017</b> , 12, 238-252	3.6	16
67	New climate change rainfall estimates for sustainable drainage. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , <b>2017</b> , 170, 214-224	0.9	15
66	Exploring objective climate classification for the Himalayan arc and adjacent regions using gridded data sources. <i>Earth System Dynamics</i> , <b>2015</b> , 6, 311-326	4.8	15
65	Climate change and mountain water resources: overview and recommendations for research, management and politics		15
64	A regional frequency analysis of UK sub-daily extreme precipitation and assessment of their seasonality. <i>International Journal of Climatology</i> , <b>2018</b> , 38, 4758-4776	3.5	15

63	The history of rainfall data time-resolution in a wide variety of geographical areas. <i>Journal of Hydrology</i> , <b>2020</b> , 590, 125258	6	14
62	Adaptation of water resource systems to an uncertain future. <i>Hydrology and Earth System Sciences</i> , <b>2016</b> , 20, 1869-1884	5.5	14
61	Development of a system for automated setup of a physically-based, spatially-distributed hydrological model for catchments in Great Britain. <i>Environmental Modelling and Software</i> , <b>2018</b> , 108, 102-110	5.2	13
60	A multi-model ensemble of downscaled spatial climate change scenarios for the Dommel catchment, Western Europe. <i>Climatic Change</i> , <b>2012</b> , 111, 249-277	4.5	13
59	Downscaling transient climate change with a stochastic weather generator for the Geer catchment, Belgium. <i>Climate Research</i> , <b>2013</b> , 57, 95-109	1.6	13
58	The integrated project AquaTerra of the EU sixth framework lays foundations for better understanding of river-sediment-soil-groundwater systems. <i>Journal of Environmental Management</i> , <b>2007</b> , 84, 237-43	7.9	13
57	Simulating multimodal seasonality in extreme daily precipitation occurrence. <i>Journal of Hydrology</i> , <b>2016</b> , 537, 117-129	6	13
56	Regional climate downscaling34-85		13
55	Assessing long term flash flooding frequency using historical information <b>2017</b> , 48, 1-16		12
54	Weather Types and Hourly to Multiday Rainfall Characteristics in Tropical Australia. <i>Journal of Climate</i> , <b>2019</b> , 32, 3983-4011	4.4	12
53	Global distribution of the intensity and frequency of hourly precipitation and their responses to ENSO. <i>Climate Dynamics</i> , <b>2020</b> , 54, 4823-4839	4.2	12
52	Use of radar data for characterizing extreme precipitation at fine scales and short durations. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 085003	6.2	12
51	Scaling and responses of extreme hourly precipitation in three climate experiments with a convection-permitting model. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20190544	3	12
50	Climate change and summer thermal comfort in China. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 137, 1077-1088	3	12
49	Consistent Large-Scale Response of Hourly Extreme Precipitation to Temperature Variation Over Land. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090317	4.9	12
48	UKGrHP: a UK high-resolution gauge-radar-satellite merged hourly precipitation analysis dataset. <i>Climate Dynamics</i> , <b>2020</b> , 54, 2919-2940	4.2	10
47	Understanding how changing rainfall may impact on urban drainage systems; lessons from projects in the UK and USA. <i>Water Practice and Technology</i> , <b>2018</b> , 13, 654-661	0.9	10
46	Downscaling climate change of water availability, sediment yield and extreme events: Application to a Mediterranean climate basin. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 2947-2963	3.5	9



45	Contrasting seasonality of storm rainfall and flood runoff in the UK and some implications for rainfall-runoff methods of flood estimation <b>2019</b> , 50, 1309-1323		9
44	Improving sub-seasonal forecast skill of meteorological drought: a weather pattern approach. <i>Natural Hazards and Earth System Sciences</i> , <b>2020</b> , 20, 107-124	3.9	8
43	Sustainability of water resources management in the Indus Basin under changing climatic and socio-economic conditions		8
42	Intensification of short-duration rainfall extremes and implications for flood risk: current state of the art and future directions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20190541	3	8
41	Toward a definition of Essential Mountain Climate Variables. <i>One Earth</i> , <b>2021</b> , 4, 805-827	8.1	8
40	Historical flash floods in England: New regional chronologies and database. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12,	3.1	7
39	Rainfall in Iberian transnational basins: a drier future for the Douro, Tagus and Guadiana?. <i>Climatic Change</i> , <b>2016</b> , 135, 467-480	4.5	7
38	Climate Change, Water Resources and Pollution in the Ebro Basin: Towards an Integrated Approach. <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 295-329	0.8	7
37	Climate change and epilepsy: Insights from clinical and basic science studies. <i>Epilepsy and Behavior</i> , <b>2021</b> , 116, 107791	3.2	7
36	Using high-resolution climate change information in water management: a decision-makers' perspective. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20200219	3	7
35	Synoptic-Scale Precursors of Extreme U.K. Summer 3-Hourly Rainfall. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 4477-4489	4.4	6
34	Multi-physics ensemble snow modelling in the western Himalaya. <i>Cryosphere</i> , <b>2020</b> , 14, 1225-1244	5.5	6
33	Large-scale dynamics have greater role than thermodynamics in driving precipitation extremes over India. <i>Climate Dynamics</i> , <b>2020</b> , 55, 2603-2614	4.2	6
32	Quasi-Stationary Intense Rainstorms Spread Across Europe Under Climate Change. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092361	4.9	6
31	New hourly extreme precipitation regions and regional annual probability estimates for the UK. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 582-600	3.5	6
30	Thermodynamic controls of the Western Tibetan Vortex on Tibetan air temperature. <i>Climate Dynamics</i> , <b>2019</b> , 53, 4267-4290	4.2	5
29	Adaptation of water resource systems to an uncertain future		5
28	Stochastic rainfall modelling for the assessment of urban flood hazard in a changing climate		5

27	PPDIST, global 0.1° daily and 3-hourly precipitation probability distribution climatologies for 1979-2018. <i>Scientific Data</i> , <b>2020</b> , 7, 302	8.2	5
26	Weekly to multi-month persistence in sets of daily weather patterns over Europe and the North Atlantic Ocean. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 2041-2056	3.5	5
25	Global Scaling of Rainfall With Dewpoint Temperature Reveals Considerable Ocean-Land Difference. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093798	4.9	4
24	Quality control of a global hourly rainfall dataset. <i>Environmental Modelling and Software</i> , <b>2021</b> , 144, 105169	3.69	4
23	A Hydrological Perspective on Interpretation of Available Climate Projections for the Upper Indus Basin <b>2019</b> , 159-179		3
22	An Hourly and Multi-Hourly Extreme Precipitation Climatology for the UK and Long-Term Changes in Extremes <b>2014</b> ,		3
21	Water fluxes and their control on the terrestrial carbon balance: Results from a stable isotope study on the Clyde Watershed (Scotland). <i>Applied Geochemistry</i> , <b>2007</b> , 22, 2684-2694	3.5	3
20	Climate Change Impacts on Yangtze River Discharge at the Three Gorges Dam		3
19	Trends in timing and magnitude of flow in the Upper Indus Basin		3
18	Assessment of climate pressures on glacier-melt and snowmelt-derived runoff in the Hindu Kush-Karakoram sector of the Upper Indus Basin		3
17	Storm types in India: linking rainfall duration, spatial extent and intensity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20200137	3	3
16	Climate change and epilepsy: Time to take action. <i>Epilepsia Open</i> , <b>2019</b> , 4, 524-536	4	3
15	Downscaling climate change of mean climatology and extremes of precipitation and temperature: Application to a Mediterranean climate basin. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 4985-5005	3.5	2
14	Exploring objective climate classification for the Himalayan arc and adjacent regions using gridded data sources <b>2014</b> ,		2
13	Hydrological Impacts of Climate Change on the Ebro River Basin. <i>Handbook of Environmental Chemistry</i> , <b>2010</b> , 47-75	0.8	2
12	Using the UKCP09 probabilistic scenarios to model the amplified impact of climate change on river basin sediment yield		2
11	Atmospheric precursors for intense summer rainfall over the United Kingdom. <i>International Journal of Climatology</i> , <b>2020</b> , 40, 3849-3867	3.5	2
10	Role of hydrology in managing consequences of a changing global environment <b>2012</b> , 43, 548-550		1

9	Consequence Forecasting: A Rational Framework for Predicting the Consequences of Approaching Storms. <i>Climate Risk Management</i> , <b>2022</b> , 35, 100412	4.6	1
8	Extreme windstorms and sting jets in convection-permitting climate simulations over Europe. <i>Climate Dynamics</i> , 1	4.2	1
7	Mobility, Turnover and Storage of Pollutants in Soils, Sediments and Waters: Achievements and Results of the EU Project AquaTerra - A Review <b>2009</b> , 857-871		1
6	A historical flash flood chronology for Britain. <i>Journal of Flood Risk Management</i> , <b>2021</b> , 14, e12721	3.1	1
5	Analysis of extreme rainfall events under the climatic change <b>2022</b> , 307-326		0
4	Carbon emission savings and short-term health care impacts from telemedicine: An evaluation in epilepsy. <i>Epilepsia</i> , <b>2021</b> , 62, 2732-2740	6.4	0
3	Detecting Changes in Winter Precipitation Extremes and Fluvial Flood Risk <b>2014</b> , 578-604		
2	Downscaling future wind hazard for SE London using the UKCP09 regional climate model ensemble. <i>Climate Research</i> , <b>2012</b> , 53, 141-156	1.6	
1	Climate change and climate variability <b>2021</b> , 53-68		