Hayley Fowler

List of Publications by Year in Descending Order

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	Analysis of extreme rainfall events under the climatic change **2022**, 307-326		0
169	Consequence Forecasting: A Rational Framework for Predicting the Consequences of Approaching Storms. *Climate Risk Management*, **2022**, 35, 100412	4.6	1
168	Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021** , 379, 20190542	3	22
167	Climate change and epilepsy: Insights from clinical and basic science studies. *Epilepsy and Behavior*, **2021**, 116, 107791	3.2	7
166	Using high-resolution climate change information in water management: a decision-makers' perspective. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021**, 379, 20200219	3	7
165	Storm types in India: linking rainfall duration, spatial extent and intensity. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021**, 379, 20200137	3	3
164	Intensification of short-duration rainfall extremes and implications for flood risk: current state of the art and future directions. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021**, 379, 20190541	3	8
163	Scaling and responses of extreme hourly precipitation in three climate experiments with a convection-permitting model. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021**, 379, 20190544	3	12
162	Incorporating climate change in flood estimation guidance. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021**, 379, 20190548	3	17
161	A historical flash flood chronology for Britain. *Journal of Flood Risk Management*, **2021**, 14, e12721	3.1	1
160	Toward a definition of Essential Mountain Climate Variables. *One Earth*, **2021**, 4, 805-827	8.1	8
159	Quasi-Stationary Intense Rainstorms Spread Across Europe Under Climate Change. *Geophysical Research Letters*, **2021**, 48, e2020GL092361	4.9	6
158	New hourly extreme precipitation regions and regional annual probability estimates for the UK. *International Journal of Climatology*, **2021**, 41, 582-600	3.5	6
157	Anthropogenic intensification of short-duration rainfall extremes. *Nature Reviews Earth & Environment*, **2021**, 2, 107-122	30.2	83
156	Climate change and climate variability **2021**, 53-68		
155	Consistent Large-Scale Response of Hourly Extreme Precipitation to Temperature Variation Over Land. *Geophysical Research Letters*, **2021**, 48, e2020GL090317	4.9	12
154	Carbon emission savings and short-term health care impacts from telemedicine: An evaluation in epilepsy. *Epilepsia*, **2021**, 62, 2732-2740	6.4	0

153	Global Scaling of Rainfall With Dewpoint Temperature Reveals Considerable Ocean-Land Difference. *Geophysical Research Letters*, **2021**, 48, e2021GL093798	4.9	4
152	Quality control of a global hourly rainfall dataset. *Environmental Modelling and Software*, **2021**, 144, 105169	5.2	4
151	Real-Time Flood Forecasting Based on a High-Performance 2-D Hydrodynamic Model and Numerical Weather Predictions. *Water Resources Research*, **2020**, 56, e2019WR025583	5.4	39
150	Global distribution of the intensity and frequency of hourly precipitation and their responses to ENSO. *Climate Dynamics*, **2020**, 54, 4823-4839	4.2	12
149	Improving sub-seasonal forecast skill of meteorological drought: a weather pattern approach. *Natural Hazards and Earth System Sciences*, **2020**, 20, 107-124	3.9	8
148	Strong Intensification of Hourly Rainfall Extremes by Urbanization. *Geophysical Research Letters*, **2020**, 47, e2020GL088758	4.9	21
147	Multi-physics ensemble snow modelling in the western Himalaya. *Cryosphere*, **2020**, 14, 1225-1244	5.5	6
146	UKGrsHP: a UK high-resolution gauge-radar-satellite merged hourly precipitation analysis´dataset. *Climate Dynamics*, **2020**, 54, 2919-2940	4.2	10
145	The history of rainfall data time-resolution in a wide variety of geographical areas. *Journal of Hydrology*, **2020**, 590, 125258	6	14
144	Advances in understanding large-scale responses of the water cycle to climate change. *Annals of the New York Academy of Sciences*, **2020**, 1472, 49-75	6.5	59
143	Use of radar data for characterizing extreme precipitation at fine scales and short durations. *Environmental Research Letters*, **2020**, 15, 085003	6.2	12
142	Developing observational methods to drive future hydrological science: Can we make a start as a community?. *Hydrological Processes*, **2020**, 34, 868-873	3.3	24
141	Increases in summertime concurrent drought and heatwave in Eastern China. *Weather and Climate Extremes*, **2020**, 28, 100242	6	37
140	Atmospheric precursors for intense summer rainfall over the United Kingdom. *International Journal of Climatology*, **2020**, 40, 3849-3867	3.5	2
139	Large-scale dynamics have greater role than thermodynamics in driving precipitation extremes over India. *Climate Dynamics*, **2020**, 55, 2603-2614	4.2	6
138	Europe-wide precipitation projections at convection permitting scale with the Unified Model. *Climate Dynamics*, **2020**, 55, 409-428	4.2	22
137	PPDIST, global 0.1° daily and 3-hourly precipitation probability distribution climatologies for 1979-2018. *Scientific Data*, **2020**, 7, 302	8.2	5
136	GSDR: A Global Sub-Daily Rainfall Dataset. *Journal of Climate*, **2019**, 32, 4715-4729	4.4	38

135	A synthesis of hourly and daily precipitation extremes in different climatic regions. *Weather and Climate Extremes*, **2019**, 26, 100219	6	27
134	A Hydrological Perspective on Interpretation of Available Climate Projections for the Upper Indus Basin **2019**, 159-179		3
133	Systematic increases in the thermodynamic response of hourly precipitation extremes in an idealized warming experiment with a convection-permitting climate model. *Environmental Research Letters*, **2019**, 14, 074012	6.2	23
132	Evaluation of Upper Indus Near-Surface Climate Representation by WRF in the High Asia Refined Analysis. *Journal of Hydrometeorology*, **2019**, 20, 467-487	3.7	18
131	Synoptic-Scale Precursors of Extreme U.K. Summer 3-Hourly Rainfall. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 4477-4489	4.4	6
130	Downscaling climate change of mean climatology and extremes of precipitation and temperature: Application to a Mediterranean climate basin. *International Journal of Climatology*, **2019**, 39, 4985-5005	3.5	2
129	Sensitivity of extreme rainfall to temperature in semi-arid Mediterranean regions. *Atmospheric Research*, **2019**, 225, 30-44	5.4	18
128	Weather Types and Hourly to Multiday Rainfall Characteristics in Tropical Australia. *Journal of Climate*, **2019**, 32, 3983-4011	4.4	12
127	Historical flash floods in England: New regional chronologies and database. *Journal of Flood Risk Management*, **2019**, 12,	3.1	7
126	Downscaling climate change of water availability, sediment yield and extreme events: Application to a Mediterranean climate basin. *International Journal of Climatology*, **2019**, 39, 2947-2963	3.5	9
125	Contrasting seasonality of storm rainfall and flood runoff in the UK and some implications for rainfall-runoff methods of flood estimation **2019**, 50, 1309-1323		9
124	On the use of indices to study extreme precipitation on sub-daily and daily timescales. *Environmental Research Letters*, **2019**, 14, 125008	6.2	34
123	Thermodynamic controls of the Western Tibetan Vortex on Tibetan air temperature. *Climate Dynamics*, **2019**, 53, 4267-4290	4.2	5
122	Climate change and epilepsy: Time to take action. *Epilepsia Open*, **2019**, 4, 524-536	4	3
121	Weekly to multi-month persistence in sets of daily weather patterns over Europe and the North Atlantic Ocean. *International Journal of Climatology*, **2019**, 39, 2041-2056	3.5	5
120	Climate change and summer thermal comfort in China. *Theoretical and Applied Climatology*, **2019**, 137, 1077-1088	3	12
119	Contribution of large-scale midlatitude disturbances to hourly precipitation extremes in the United States. *Climate Dynamics*, **2019**, 52, 197-208	4.2	21
118	When Will We Detect Changes in Short-Duration Precipitation Extremes?. *Journal of Climate*, **2018**, 31, 2945-2964	4.4	34

117	Regional frequency analysis of extreme rainfall in Sicily (Italy). *International Journal of Climatology*, **2018**, 38, e698-e716	3.5	22
116	The impact of climate change on extreme precipitation in Sicily, Italy. *Hydrological Processes*, **2018**, 32, 332-348	3.3	27
115	Temperature-extreme precipitation scaling: a two-way causality?. *International Journal of Climatology*, **2018**, 38, e1274	3.5	56
114	The Karakoram/Western Tibetan vortex: seasonal and year-to-year variability. *Climate Dynamics*, **2018**, 51, 3883-3906	4.2	23
113	Characterising flash flood response to intense rainfall and impacts using historical information and gauged data in Britain. *Journal of Flood Risk Management*, **2018**, 11, S121-S133	3.1	63
112	. *IEEE Systems Journal*, **2018**, 12, 3169-3180	4.3	34
111	Fragility Curves for Assessing the Resilience of Electricity Networks Constructed from an Extensive Fault Database. *Natural Hazards Review*, **2018**, 19, 04017019	3.5	38
110	A new precipitation and drought climatology based on weather patterns. *International Journal of Climatology*, **2018**, 38, 630-648	3.5	16
109	A rule based quality control method for hourly rainfall data and a 1 km resolution gridded hourly rainfall dataset for Great Britain: CEH-GEAR1hr. *Journal of Hydrology*, **2018**, 564, 930-943	6	34
108	Detection of continental-scale intensification of hourly rainfall extremes. *Nature Climate Change*, **2018**, 8, 803-807	21.4	116
107	Development of a system for automated setup of a physically-based, spatially-distributed hydrological model for catchments in Great Britain. *Environmental Modelling and Software*, **2018**, 108, 102-110	5.2	13
106	Projected changes in extreme precipitation over Scotland and Northern England using a high-resolution regional climate model. *Climate Dynamics*, **2018**, 51, 3559-3577	4.2	29
105	Reply to comments on Temperature-extreme precipitation scaling: a two-way causality? *International Journal of Climatology*, **2018**, 38, 4664-4666	3.5	20
104	Large-Scale Predictors for Extreme Hourly Precipitation Events in Convection-Permitting Climate Simulations. *Journal of Climate*, **2018**, 31, 2115-2131	4.4	19
103	A regional frequency analysis of UK sub-daily extreme precipitation and assessment of their seasonality. *International Journal of Climatology*, **2018**, 38, 4758-4776	3.5	15
102	Global Observational Evidence of Strong Linkage Between Dew Point Temperature and Precipitation Extremes. *Geophysical Research Letters*, **2018**, 45, 12,320-12,330	4.9	61
101	Storylines: an alternative approach to representing uncertainty in physical aspects of climate change. *Climatic Change*, **2018**, 151, 555-571	4.5	130
100	Influence of temporal data aggregation on trend estimation for intense rainfall. *Advances in Water Resources*, **2018**, 122, 304-316	4.7	21

99	Understanding how changing rainfall may impact on urban drainage systems; lessons from projects in the UK and USA. *Water Practice and Technology*, **2018**, 13, 654-661	0.9	10
98	Quality-control of an hourly rainfall dataset and climatology of extremes for the UK. *International Journal of Climatology*, **2017**, 37, 722-740	3.5	57
97	Is the intensification of precipitation extremes with global warming better detected at hourly than daily resolutions?. *Geophysical Research Letters*, **2017**, 44, 974-983	4.9	110
96	Do Convection-Permitting Regional Climate Models Improve Projections of Future Precipitation Change?. *Bulletin of the American Meteorological Society*, **2017**, 98, 79-93	6.1	190
95	Assessing long term flash flooding frequency using historical information **2017**, 48, 1-16		12
94	Super-Clausius□lapeyron Scaling of Extreme Hourly Convective Precipitation and Its Relation to Large-Scale Atmospheric Conditions. *Journal of Climate*, **2017**, 30, 6037-6052	4.4	125
93	Effect of temporal aggregation on the estimate of annual maximum rainfall depths for the design of hydraulic infrastructure systems. *Journal of Hydrology*, **2017**, 554, 710-720	6	20
92	Dry getting drier □The future of transnational river basins in Iberia. *Journal of Hydrology: Regional Studies*, **2017**, 12, 238-252	3.6	16
91	Assessing the threat of future megadrought in Iberia. *International Journal of Climatology*, **2017**, 37, 5024-5034	3.5	19
90	Karakoram temperature and glacial melt driven by regional atmospheric circulation variability. *Nature Climate Change*, **2017**, 7, 664-670	21.4	102
89	New climate change rainfall estimates for sustainable drainage. *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*, **2017**, 170, 214-224	0.9	15
88	Climate change impacts on Yangtze River discharge at the Three Gorges Dam. *Hydrology and Earth System Sciences*, **2017**, 21, 1911-1927	5.5	38
87	Rainfall in Iberian transnational basins: a drier future for the Douro, Tagus and Guadiana?. *Climatic Change*, **2016**, 135, 467-480	4.5	7
86	Downturn in scaling of UK extreme rainfall with temperature for future hottest days. *Nature Geoscience*, **2016**, 9, 24-28	18.3	90
85	Adaptation of water resource systems to an uncertain future. *Hydrology and Earth System Sciences*, **2016**, 20, 1869-1884	5.5	14
84	The characteristics of summer sub-hourly rainfall over the southern UK in a high-resolution convective permitting model. *Environmental Research Letters*, **2016**, 11, 094024	6.2	23
83	Characterizing Uncertainty of the Hydrologic Impacts of Climate Change. *Current Climate Change Reports*, **2016**, 2, 55-64	9	115
82	Simulating multimodal seasonality in extreme daily precipitation occurrence. *Journal of Hydrology*, **2016**, 537, 117-129	6	13

81	Elevation-dependent warming in mountain regions of the world. *Nature Climate Change*, **2015**, 5, 424-430	21.4	1173
80	A Detailed Cloud Fraction Climatology of the Upper Indus Basin and Its Implications for Near-Surface Air Temperature*. *Journal of Climate*, **2015**, 28, 3537-3556	4.4	18
79	Challenges in Quantifying Changes in the Global Water Cycle. *Bulletin of the American Meteorological Society*, **2015**, 96, 1097-1115	6.1	168
78	Temperature influences on intense UK hourly precipitation and dependency on large-scale circulation. *Environmental Research Letters*, **2015**, 10, 054021	6.2	70
77	Exploring objective climate classification for the Himalayan arc and adjacent regions using gridded data sources. *Earth System Dynamics*, **2015**, 6, 311-326	4.8	15
76	Objective classification of extreme rainfall regions for the UK and updated estimates of trends in regional extreme rainfall. *International Journal of Climatology*, **2014**, 34, 751-765	3.5	47
75	Heavier summer downpours with climate change revealed by weather forecast resolution model. *Nature Climate Change*, **2014**, 4, 570-576	21.4	468
74	An Hourly and Multi-Hourly Extreme Precipitation Climatology for the UK and Long-Term Changes in Extremes **2014**,		3
73	Detecting Changes in Winter Precipitation Extremes and Fluvial Flood Risk **2014**, 578-604		
72	Projected increases in summer and winter UK sub-daily precipitation extremes from high-resolution regional climate models. *Environmental Research Letters*, **2014**, 9, 084019	6.2	45
71	Application of a stochastic weather generator to assess climate change impacts in a semi-arid climate: The Upper Indus Basin. *Journal of Hydrology*, **2014**, 517, 1019-1034	6	45
70	The Value of High-Resolution Met Office Regional Climate Models in the Simulation of Multihourly Precipitation Extremes. *Journal of Climate*, **2014**, 27, 6155-6174	4.4	114
69	Exploring objective climate classification for the Himalayan arc and adjacent regions using gridded data sources **2014**,		2
68	Future changes to the intensity and frequency of short-duration extreme rainfall. *Reviews of Geophysics*, **2014**, 52, 522-555	23.1	599
67	An assessment of changes in seasonal and annual extreme rainfall in the UK between 1961 and 2009. *International Journal of Climatology*, **2013**, 33, 1178-1194	3.5	66
66	Examination of climate risk using a modified uncertainty matrix framework□Applications in the water sector. *Global Environmental Change*, **2013**, 23, 115-129	10.1	21
65	Does increasing the spatial resolution of a regional climate model improve the simulated daily precipitation?. *Climate Dynamics*, **2013**, 41, 1475-1495	4.2	105
64	Downscaling transient climate change with a stochastic weather generator for the Geer catchment, Belgium. *Climate Research*, **2013**, 57, 95-109	1.6	13

63	Trends in timing and magnitude of flow in the Upper Indus Basin. *Hydrology and Earth System Sciences*, **2013**, 17, 1503-1516	5.5	60
62	Climate change impacts on the leaching of a heavy metal contamination in a small lowland catchment. *Journal of Contaminant Hydrology*, **2012**, 127, 47-64	3.9	46
61	A multi-model ensemble of downscaled spatial climate change scenarios for the Dommel catchment, Western Europe. *Climatic Change*, **2012**, 111, 249-277	4.5	13
60	Modeling the impacts of future climate change on water resources for the GÜllego river basin (Spain). *Water Resources Research*, **2012**, 48,	5.4	62
59	Using the UKCP09 probabilistic scenarios to model the amplified impact of climate change on drainage basin sediment yield. *Hydrology and Earth System Sciences*, **2012**, 16, 4401-4416	5.5	51
58	Opportunities from Remote Sensing for Supporting Water Resources Management in Village/Valley Scale Catchments in the Upper Indus Basin. *Water Resources Management*, **2012**, 26, 845-871	3.7	26
57	Role of hydrology in managing consequences of a changing global environment **2012**, 43, 548-550		1
56	Assessment of Runoff Sensitivity in the Upper Indus Basin to Interannual Climate Variability and Potential Change Using MODIS Satellite Data Products. *Mountain Research and Development*, **2012**, 32, 16	1.4	32
55	Downscaling future wind hazard for SE London using the UKCP09 regional climate model ensemble. *Climate Research*, **2012**, 53, 141-156	1.6	
54	Modeling climate change impacts on groundwater resources using transient stochastic climatic scenarios. *Water Resources Research*, **2011**, 47,	5.4	66
53	Climate change and mountain water resources: overview and recommendations for research, management and policy. *Hydrology and Earth System Sciences*, **2011**, 15, 471-504	5.5	356
52	A stochastic model for the spatial-temporal simulation of nonhomogeneous rainfall occurrence and amounts. *Water Resources Research*, **2010**, 46,	5.4	43
51	Detecting changes in seasonal precipitation extremes using regional climate model projections: Implications for managing fluvial flood risk. *Water Resources Research*, **2010**, 46,	5.4	81
50	Sustainability of water resources management in the Indus Basin under changing climatic and socio economic conditions. *Hydrology and Earth System Sciences*, **2010**, 14, 1669-1680	5.5	118
49	Hydrological Impacts of Climate Change on the Ebro River Basin. *Handbook of Environmental Chemistry*, **2010**, 47-75	0.8	2
48	Climate Change, Water Resources and Pollution in the Ebro Basin: Towards an Integrated Approach. *Handbook of Environmental Chemistry*, **2010**, 295-329	0.8	7
47	Detecting change in UK extreme precipitation using results from the climateprediction.net BBC climate change experiment. *Extremes*, **2010**, 13, 241-267	0.7	54
46	Downscaling transient climate change using a Neyman–Scott Rectangular Pulses stochastic rainfall model. *Journal of Hydrology*, **2010**, 381, 18-32	6	87

45	Using satellite altimetry data to augment flow estimation techniques on the Mekong River. *Hydrological Processes*, **2010**, 24, 3811-3825	3.3	108
44	Large scale surface–subsurface hydrological model to assess climate change impacts on groundwater reserves. *Journal of Hydrology*, **2009**, 373, 122-138	6	198
43	Multi-model ensemble estimates of climate change impacts on UK seasonal precipitation extremes. *International Journal of Climatology*, **2009**, 29, 385-416	3.5	175
42	Mobility, turnover and storage of pollutants in soils, sediments and waters: achievements and results of the EU project AquaTerra. A review. *Agronomy for Sustainable Development*, **2009**, 29, 161-173	6.8	34
41	Using probabilistic climate change information from a multimodel ensemble for water resources assessment. *Water Resources Research*, **2009**, 45,	5.4	67
40	Mobility, Turnover and Storage of Pollutants in Soils, Sediments and Waters: Achievements and Results of the EU Project AquaTerra - A Review **2009**, 857-871		1
39	Development of agro-environmental scenarios to support pesticide risk assessment in Europe. *Science of the Total Environment*, **2008**, 407, 574-88	10.2	35
38	Using meteorological data to forecast seasonal runoff on the River Jhelum, Pakistan. *Journal of Hydrology*, **2008**, 361, 10-23	6	88
37	Developing climatic scenarios for pesticide fate modelling in Europe. *Environmental Pollution*, **2008**, 154, 219-31	9.3	31
36	Identification of key climatic factors regulating the transport of pesticides in leaching and to tile drains. *Pest Management Science*, **2008**, 64, 933-44	4.6	44
35	RainSim: A spatial–temporal stochastic rainfall modelling system. *Environmental Modelling and Software*, **2008**, 23, 1356-1369	5.2	175
34	Changes in drought frequency, severity and duration for the British Isles projected by the PRUDENCE regional climate models. *Journal of Hydrology*, **2007**, 342, 50-71	6	83
33	Estimating change in extreme European precipitation using a multimodel ensemble. *Journal of Geophysical Research*, **2007**, 112,		145
32	Modelling the impacts of projected future climate change on water resources in north-west England. *Hydrology and Earth System Sciences*, **2007**, 11, 1115-1126	5.5	77
31	Regional climate model data used within the SWURVE project 1: projected changes in seasonal patterns and estimation of PET. *Hydrology and Earth System Sciences*, **2007**, 11, 1069-1083	5.5	77
30	Hydrological impacts of climate change on the Tejo and Guadiana Rivers. *Hydrology and Earth System Sciences*, **2007**, 11, 1175-1189	5.5	54
29	Changes in European drought characteristics projected by the PRUDENCE regional climate models. *International Journal of Climatology*, **2007**, 27, 1595-1610	3.5	120
28	Linking climate change modelling to impacts studies: recent advances in downscaling techniques for hydrological modelling. *International Journal of Climatology*, **2007**, 27, 1547-1578	3.5	1438

27	A daily weather generator for use in climate change studies. *Environmental Modelling and Software*, **2007**, 22, 1705-1719	5.2	317
26	Using regional climate model data to simulate historical and future river flows in northwest England. *Climatic Change*, **2007**, 80, 337-367	4.5	150
25	The integrated project AquaTerra of the EU sixth framework lays foundations for better understanding of river-sediment-soil-groundwater systems. *Journal of Environmental Management*, **2007**, 84, 237-43	7.9	13
24	Water fluxes and their control on the terrestrial carbon balance: Results from a stable isotope study on the Clyde Watershed (Scotland). *Applied Geochemistry*, **2007**, 22, 2684-2694	3.5	3
23	Future climate scenarios and rainfall--runoff modelling in the Upper Gallego catchment (Spain). *Environmental Pollution*, **2007**, 148, 842-54	9.3	27
22	Conflicting Signals of Climatic Change in the Upper Indus Basin. *Journal of Climate*, **2006**, 19, 4276-4293	4.4	345
21	New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 1. Assessment of control climate. *Journal of Hydrology*, **2005**, 300, 212-233	6	149
20	A weather-type conditioned multi-site stochastic rainfall model for the generation of scenarios of climatic variability and change. *Journal of Hydrology*, **2005**, 308, 50-66	6	108
19	New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 2. Future estimates and use in impact studies. *Journal of Hydrology*, **2005**, 300, 234-251	6	137
18	Spatial and temporal variations in precipitation in the Upper Indus Basin, global teleconnections and hydrological implications. *Hydrology and Earth System Sciences*, **2004**, 8, 47-61	5.5	342
17	A regional frequency analysis of United Kingdom extreme rainfall from 1961 to 2000. *International Journal of Climatology*, **2003**, 23, 1313-1334	3.5	247
16	Modeling the impacts of climatic change and variability on the reliability, resilience, and vulnerability of a water resource system. *Water Resources Research*, **2003**, 39,	5.4	130
15	Implications of changes in seasonal and annual extreme rainfall. *Geophysical Research Letters*, **2003**, 30,	4.9	80
14	Precipitation and the North Atlantic Oscillation: a study of climatic variability in northern England. *International Journal of Climatology*, **2002**, 22, 843-866	3.5	69
13	A weather-type approach to analysing water resource drought in the Yorkshire region from 1881 to 1998. *Journal of Hydrology*, **2002**, 262, 177-192	6	68
12	A stochastic rainfall model for the assessment of regional water resource systems under changed climatic condition. *Hydrology and Earth System Sciences*, **2000**, 4, 263-281	5.5	47
11	The INTENSE project: using observations and models to understand the past, present and future of sub-daily rainfall extremes. *Advances in Science and Research*,15, 117-126		44
10	Climate Change Impacts on Yangtze River Discharge at the Three Gorges Dam		3

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2	Extreme windstorms and sting jets in convection-permitting climate simulations over Europe. *Climate Dynamics*,1	4.2	1
1	Regional climate downscaling34-85		13