

Jamie Hannaford

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

6,956
citations

71102

41
h-index

85541

71
g-index

94
all docs

94
docs citations

94
times ranked

6613
citing authors

#	ARTICLE	IF	CITATIONS
1	Representation of Drought Events in the United Kingdom: Contrasting 200 years of News Texts and Rainfall Records. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	4
2	The Complex and Spatially Diverse Patterns of Hydrological Droughts Across Europe. <i>Water Resources Research</i> , 2022, 58, .	4.2	16
3	Streamflow frequency changes across western Europe and interactions with North Atlantic atmospheric circulation patterns. <i>Global and Planetary Change</i> , 2022, 212, 103797.	3.5	12
4	Long-term variability and trends in meteorological droughts in Western Europe (1851–2018). <i>International Journal of Climatology</i> , 2021, 41, E690.	3.5	43
5	An updated national-scale assessment of trends in UK peak river flow data: how robust are observed increases in flooding?. <i>Hydrology Research</i> , 2021, 52, 699-718.	2.7	20
6	Regional Differences in Spatiotemporal Drought Characteristics in Great Britain. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	10
7	The 2019/2020 floods in the <sc>UK</sc>: a hydrological appraisal. <i>Weather</i> , 2021, 76, 378-384.	0.7	16
8	The 2018/2019 drought in the <sc>UK</sc>: a hydrological appraisal. <i>Weather</i> , 2021, 76, 248-253.	0.7	24
9	Drought risk assessment of spring maize based on APSIM crop model in Liaoning province, China. <i>International Journal of Disaster Risk Reduction</i> , 2020, 45, 101483.	3.9	20
10	Linking drought indices to impacts to support drought risk assessment in Liaoning province, China. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 889-906.	3.6	15
11	The forgotten drought of 1765–1768: Reconstructing and re-evaluating historical droughts in the British and Irish Isles. <i>International Journal of Climatology</i> , 2020, 40, 5329-5351.	3.5	19
12	CAMELS-GB: hydrometeorological time series and landscape attributes for 671 catchments in Great Britain. <i>Earth System Science Data</i> , 2020, 12, 2459-2483.	9.9	87
13	Climate, Irrigation, and Land Cover Change Explain Streamflow Trends in Countries Bordering the Northeast Atlantic. <i>Geophysical Research Letters</i> , 2019, 46, 10821-10833.	4.0	55
14	Oceanic conditions associated with Euro-Atlantic high pressure and UK drought. <i>Environmental Research Communications</i> , 2019, 1, 101001.	2.3	8
15	Changing climate both increases and decreases European river floods. <i>Nature</i> , 2019, 573, 108-111.	27.8	639
16	A multi-objective ensemble approach to hydrological modelling in the UK: an application to historic drought reconstruction. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3247-3268.	4.9	36
17	Historic hydrological droughts 1891–2015: systematic characterisation for a diverse set of catchments across the UK. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4583-4602.	4.9	40
18	Complex influences of meteorological drought time-scales on hydrological droughts in natural basins of the contiguous United States. <i>Journal of Hydrology</i> , 2019, 568, 611-625.	5.4	78

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19	Enhancing Drought Monitoring and Early Warning for the United Kingdom through Stakeholder Coinquiries. <i>Weather, Climate, and Society</i> , 2019, 11, 49-63.	1.1	16
20	Response of crop yield to different time-scales of drought in the United States: Spatio-temporal patterns and climatic and environmental drivers. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 40-55.	4.8	77
21	How well do meteorological indicators represent agricultural and forest drought across Europe?. <i>Environmental Research Letters</i> , 2018, 13, 034042.	5.2	107
22	Designation and trend analysis of the updated UK Benchmark Network of river flow stations: the UKBN2 dataset. <i>Hydrology Research</i> , 2018, 49, 552-567.	2.7	59
23	Human influences on streamflow drought characteristics in England and Wales. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1051-1064.	4.9	65
24	Effectiveness of drought indices in identifying impacts on major crops across the USA. <i>Climate Research</i> , 2018, 75, 221-240.	1.1	28
25	Historical gridded reconstruction of potential evapotranspiration for the UK. <i>Earth System Science Data</i> , 2018, 10, 951-968.	9.9	19
26	Statistical distributions for monthly aggregations of precipitation and streamflow in drought indicator applications. <i>Water Resources Research</i> , 2017, 53, 999-1018.	4.2	81
27	Changing climate shifts timing of European floods. <i>Science</i> , 2017, 357, 588-590.	12.6	584
28	Climate-driven variability in the occurrence of major floods across North America and Europe. <i>Journal of Hydrology</i> , 2017, 552, 704-717.	5.4	122
29	Hydrological Outlook UK: an operational streamflow and groundwater level forecasting system at monthly to seasonal time scales. <i>Hydrological Sciences Journal</i> , 2017, 62, 2753-2768.	2.6	45
30	Developing drought impact functions for drought risk management. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1947-1960.	3.6	51
31	The European 2015 drought from a hydrological perspective. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3001-3024.	4.9	132
32	Ensuring water resource security in China; the need for advances in evidence-based policy to support sustainable management. <i>Environmental Science and Policy</i> , 2017, 75, 65-69.	4.9	36
33	From meteorological to hydrological drought using standardised indicators. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2483-2505.	4.9	323
34	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3631-3650.	4.9	289
35	A quantitative analysis to objectively appraise drought indicators and model drought impacts. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2589-2609.	4.9	94
36	Drought indicators revisited: the need for a wider consideration of environment and society. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 516-536.	6.5	161

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37	Cumbrian floods, 5/6 December 2015. <i>Weather</i> , 2016, 71, 36-37.	0.7	9
38	The winter 2015/2016 floods in the <sc>UK</sc>: a hydrological appraisal. <i>Weather</i> , 2016, 71, 324-333.	0.7	29
39	Stakeholder Coinquiries on Drought Impacts, Monitoring, and Early Warning Systems. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES217-ES220.	3.3	8
40	Hydrology needed to manage droughts: the 2015 European case. <i>Hydrological Processes</i> , 2016, 30, 3097-3104.	2.6	152
41	Drought in the Anthropocene. <i>Nature Geoscience</i> , 2016, 9, 89-91.	12.9	537
42	Detecting changing river temperatures in England and Wales. <i>Hydrological Processes</i> , 2015, 29, 752-766.	2.6	94
43	The winter storms of 2013/2014 in the <sc>UK</sc>: hydrological responses and impacts. <i>Weather</i> , 2015, 70, 55-61.	0.7	55
44	Long-range forecasts of UK winter hydrology. <i>Environmental Research Letters</i> , 2015, 10, 064006.	5.2	60
45	Using variograms to detect and attribute hydrological change. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2395-2408.	4.9	9
46	Multi-annual droughts in the English Lowlands: a review of their characteristics and climate drivers in the winter half-year. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2353-2375.	4.9	66
47	Reply to 'Drivers of the 2013/14 winter floods in the UK'. <i>Nature Climate Change</i> , 2015, 5, 491-492.	18.8	2
48	Climate change and water in the UK – past changes and future prospects. <i>Progress in Physical Geography</i> , 2015, 39, 6-28.	3.2	178
49	Climate-driven changes in UK river flows. <i>Progress in Physical Geography</i> , 2015, 39, 29-48.	3.2	91
50	Which catchment characteristics control the temporal dependence structure of daily river flows?. <i>Hydrological Processes</i> , 2015, 29, 1353-1369.	2.6	45
51	Potential influences on the United Kingdom's floods of winter 2013/14. <i>Nature Climate Change</i> , 2014, 4, 769-777.	18.8	149
52	The effective management of national hydrometric data: experiences from the United Kingdom. <i>Hydrological Sciences Journal</i> , 2013, 58, 1383-1399.	2.6	39
53	Improved confidence in regional climate model simulations of precipitation evaluated using drought statistics from the ENSEMBLES models. <i>Climate Dynamics</i> , 2013, 40, 155-173.	3.8	22
54	A hydrological assessment of the November 2009 floods in Cumbria, UK. <i>Hydrology Research</i> , 2013, 44, 180-197.	2.7	30

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55	Evaluating hydrometric networks for prediction in ungauged basins: a new methodology and its application to England and Wales. <i>Hydrology Research</i> , 2013, 44, 401-418.	2.7	17
56	The influence of decadal-scale variability on trends in long European streamflow records. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2717-2733.	4.9	113
57	Multi-year droughts in Europe: analysis of development and causes. <i>Hydrology Research</i> , 2012, 43, 689-706.	2.7	67
58	An appraisal of the performance of data-infilling methods for application to daily mean river flow records in the UK. <i>Hydrology Research</i> , 2012, 43, 618-636.	2.7	45
59	Projections of Flood Risk in Europe. , 2012, , 491-511.		2
60	Trends in seasonal river flow regimes in the UK. <i>Journal of Hydrology</i> , 2012, 475, 158-174.	5.4	105
61	Reference hydrologic networks I. The status and potential future directions of national reference hydrologic networks for detecting trends. <i>Hydrological Sciences Journal</i> , 2012, 57, 1562-1579.	2.6	67
62	Reference hydrologic networks II. Using reference hydrologic networks to assess climate-driven changes in streamflow. <i>Hydrological Sciences Journal</i> , 2012, 57, 1580-1593.	2.6	43
63	Filling the white space on maps of European runoff trends: estimates from a multi-model ensemble. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2035-2047.	4.9	134
64	Testing the resilience of water supply systems to long droughts. <i>Journal of Hydrology</i> , 2012, 414-415, 255-267.	5.4	62
65	Examining the large-scale spatial coherence of European drought using regional indicators of precipitation and streamflow deficit. <i>Hydrological Processes</i> , 2011, 25, 1146-1162.	2.6	176
66	How Well Do Large-Scale Models Reproduce Regional Hydrological Extremes in Europe?. <i>Journal of Hydrometeorology</i> , 2011, 12, 1181-1204.	1.9	83
67	Streamflow trends in Europe: evidence from a dataset of near-natural catchments. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2367-2382.	4.9	370
68	Environmental flows from dams: the water framework directive. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2009, 162, 13-22.	0.7	53
69	High-flow and flood trends in a network of undisturbed catchments in the UK. <i>International Journal of Climatology</i> , 2008, 28, 1325-1338.	3.5	170
70	Developing environmental standards for abstractions from UK rivers to implement the EU Water Framework Directive / Développement de standards environnementaux sur les prélèvements d'eau en rivière au Royaume Uni pour la mise en œuvre de la directive cadre sur l'eau de l'Union Européenne. <i>Hydrological Sciences Journal</i> , 2008, 53, 1105-1120.	2.6	91
71	On the robustness of changes in extreme precipitation over Europe from two high resolution climate change simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007, 133, 65-81.	2.7	127
72	An assessment of trends in UK runoff and low flows using a network of undisturbed catchments. <i>International Journal of Climatology</i> , 2006, 26, 1237-1253.	3.5	109

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73	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32
74	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
75	Linking drought indices to impacts in the Liaoning Province of China. Proceedings of the International Association of Hydrological Sciences, 0, 383, 267-272.	1.0	2
76	Drought monitoring and early warning in China: a review of research to pave the way for operational systems. Proceedings of the International Association of Hydrological Sciences, 0, 383, 273-279.	1.0	1