Conor Murphy

List of Publications by Year
in descending order

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72 papers	4,031 citations	159358 30 h-index	123241 61 g-index
80 all docs	80 docs citations	80 times ranked	4636 citing authors

#	Article	IF	Citations
1	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	13.7	639
2	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	6.0	584
3	The role of hydrological modelling uncertainties in climate change impact assessments of Irish river catchments. Advances in Water Resources, 2011, 34, 562-576.	1.7	204
4	Communicating the deadly consequences of global warming for human heat stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3861-3866.	3.3	198
5	Changing social contracts in climate-change adaptation. Nature Climate Change, 2013, 3, 330-333.	8.1	177
6	Climate-driven variability in the occurrence of major floods across North America and Europe. Journal of Hydrology, 2017, 552, 704-717.	2.3	122
7	The Statistical DownScaling Model - Decision Centric (SDSM-DC): conceptual basis and applications. Climate Research, 2014, 61, 259-276.	0.4	110
8	Nonstationary weather and water extremes: a review of methods for their detection, attribution, and management. Hydrology and Earth System Sciences, 2021, 25, 3897-3935.	1.9	109
9	Place attachment, disruption and transformative adaptation. Journal of Environmental Psychology, 2018, 55, 81-89.	2.3	98
10	Stormiest winter on record for Ireland and UK. Nature Climate Change, 2014, 4, 738-740.	8.1	94
11	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. Bulletin of the American Meteorological Society, 2017, 98, 2689-2702.	1.7	80
12	Transferability of hydrological models and ensemble averaging methods between contrasting climatic periods. Water Resources Research, 2016, 52, 8343-8373.	1.7	70
13	An emerging tropical cycloneâ€“deadly heat compound hazard. Nature Climate Change, 2019, 9, 602-606.	8.1	70
14	Assessing the Impact of Climate Change on Water Supply and Flood Hazard in Ireland Using Statistical Downscaling and Hydrological Modelling Techniques. Climatic Change, 2006, 74, 475-491.	1.7	65
15	Attribution of detected changes in streamflow using multiple working hypotheses. Hydrology and Earth System Sciences, 2014, 18, 1935-1952.	1.9	63
16	Climate-driven trends in mean and high flows from a network of reference stations in Ireland. Hydrological Sciences Journal, 2013, 58, 755-772.	1.2	61
17	Evaluating the effects of climate change on precipitation and temperature for Iran using RCP scenarios. Journal of Water and Climate Change, 2021, 12, 166-184.	1.2	61
18	Climate, Irrigation, and Land Cover Change Explain Streamflow Trends in Countries Bordering the Northeast Atlantic. Geophysical Research Letters, 2019, 46, 10821-10833.	1.5	55

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19	Adapting to climate change in shifting landscapes of belief. Climatic Change, 2016, 134, 101-114.	1.7	52
20	Drivers and barriers of adaptation initiatives â€“ How societal transformation affects natural hazard management and risk mitigation in Europe. Science of the Total Environment, 2019, 650, 1073-1082.	3.9	52
21	A 250â€year drought catalogue for the island of Ireland (1765â€“2015). International Journal of Climatology, 2017, 37, 239-254.	1.5	47
22	AÂ305-year continuous monthly rainfall series for the island ofÂIreland (1711â€“2016). Climate of the Past, 2018, 14, 413-440.	1.3	46
23	The â€˜dirty dozenâ€™ of freshwater science: detecting then reconciling hydrological data biases and errors. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1209.	2.8	45
24	The sensitivity of fluvial flood risk in Irish catchments to the range of IPCC AR4 climate change scenarios. Science of the Total Environment, 2011, 409, 5403-5415.	3.9	44
25	Longâ€term variability and trends in meteorological droughts in Western Europe (1851â€“2018). International Journal of Climatology, 2021, 41, E690.	1.5	43
26	Homogenization and analysis of an expanded longâ€term monthly rainfall network for the Island of Ireland (1850â€“2010). International Journal of Climatology, 2016, 36, 2837-2853.	1.5	41
27	Sharing the Pain: Perceptions of Fairness Affect Private and Public Response to Hazards. Annals of the American Association of Geographers, 2016, 106, 1079-1096.	1.5	40
28	Multi-hazard dependencies can increase or decrease risk. Nature Climate Change, 2020, 10, 595-598.	8.1	39
29	Long-term precipitation in Southwestern Europe reveals no clear trend attributable to anthropogenic forcing. Environmental Research Letters, 2020, 15, 094070.	2.2	39
30	Using a Scenarioâ€Neutral Framework to Avoid Potential Maladaptation to Future Flood Risk. Water Resources Research, 2019, 55, 1079-1104.	1.7	37
31	Multiâ€century trends to wetter winters and drier summers in the England and Wales precipitation series explained by observational and sampling bias in early records. International Journal of Climatology, 2020, 40, 610-619.	1.5	31
32	Uncertainties and their interaction in flood hazard assessment with climate change. Hydrology and Earth System Sciences, 2021, 25, 5237-5257.	1.9	28
33	Vulnerability Analysis of Future Public Water Supply Under Changing Climate Conditions: A Study of the Moy Catchment, Western Ireland. Water Resources Management, 2010, 24, 3527-3545.	1.9	27
34	Solastalgia, place attachment and disruption: insights from a coastal community on the front line. Regional Environmental Change, 2021, 21, 1.	1.4	26
35	The reliability of an 'off-the-shelf' conceptual rainfall runoff model for use in climate impact assessment: uncertainty quantification using Latin hypercube sampling. Area, 2006, 38, 65-78.	1.0	24
36	Past and future climate change in the context of memorable seasonal extremes. Climate Risk Management, 2016, 11, 37-52.	1.6	24

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37	Climate impacts on soil erosion and muddy flooding at 1.5 versus 2Â°C warming. Land Degradation and Development, 2019, 30, 94-108.	1.8	24
38	Sensitivity of the performance of a conceptual rainfallâ€“runoff model to the temporal sampling of calibration data. Hydrology Research, 2013, 44, 484-494.	1.1	23
39	Super Storm Desmond: a process-based assessment. Environmental Research Letters, 2018, 13, 014024.	2.2	23
40	Increased Vegetation in Mountainous Headwaters Amplifies Water Stress During Dry Periods. Geophysical Research Letters, 2021, 48, e2021GL094672.	1.5	21
41	A cyclone climatology of the Britishâ€Irish Isles 1871â€“2012. International Journal of Climatology, 2016, 36, 1299-1312.	1.5	20
42	Integrating Data Rescue into the Classroom. Bulletin of the American Meteorological Society, 2018, 99, 1757-1764.	1.7	20
43	Do CMIP models capture long-term observed annual precipitation trends?. Climate Dynamics, 2022, 58, 2825-2842.	1.7	20
44	Irish droughts in newspaper archives: rediscovering forgotten hazards?. Weather, 2017, 72, 151-155.	0.6	19
45	Navigating Cascades of Uncertainty â€” As Easy as ABC? Not Quiteâ€¦. Journal of Extreme Events, 2018, 05, 1850007.	1.2	19
46	The forgotten drought of 1765â€“1768: Reconstructing and reâ€evaluating historical droughts in the British and Irish Isles. International Journal of Climatology, 2020, 40, 5329-5351.	1.5	19
47	An evaluation of persistent meteorological drought using a homogeneous Island of Ireland precipitation network. International Journal of Climatology, 2016, 36, 2854-2865.	1.5	17
48	Barriers to Transformative Adaptation: Responses to Flood Risk in Ireland. Journal of Extreme Events, 2016, 03, 1650010.	1.2	17
49	Generating probabilistic estimates of hydrological response for Irish catchments using a weather generator and probabilistic climate change scenarios. Hydrological Processes, 2012, 26, 2307-2321.	1.1	16
50	The Complex and Spatially Diverse Patterns of Hydrological Droughts Across Europe. Water Resources Research, 2022, 58, .	1.7	16
51	The utility of Google Trends as a tool for evaluating flooding in dataâ€scarce places. Area, 2022, 54, 203-212.	1.0	15
52	The complex multi-sectoral impacts of drought: Evidence from a mountainous basin in the Central Spanish Pyrenees. Science of the Total Environment, 2021, 769, 144702.	3.9	15
53	Conditioning ensemble streamflow prediction with the North Atlantic Oscillation improves skill at longer lead times. Hydrology and Earth System Sciences, 2021, 25, 4159-4183.	1.9	15
54	Reconstructed monthly river flows for Irish catchments 1766â€“2016. Geoscience Data Journal, 2021, 8, 34-54.	1.8	14

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55	Regionalization of hydrological models for flow estimation in ungauged catchments in Ireland. Journal of Hydrology: Regional Studies, 2021, 36, 100859.	1.0	14
56	Monitoring and moderating extreme indoor temperatures in low-income urban communities. Environmental Research Letters, 2021, 16, 024033.	2.2	12
57	Streamflow frequency changes across western Europe and interactions with North Atlantic atmospheric circulation patterns. Global and Planetary Change, 2022, 212, 103797.	1.6	12
58	Irelandâ€™s preâ€1940 daily rainfall records. Geoscience Data Journal, 2021, 8, 11-23.	1.8	10
59	Millions of historical monthly rainfall observations taken in the UK and Ireland rescued by citizen scientists. Geoscience Data Journal, 2023, 10, 246-261.	1.8	10
60	Robust adaptation assessment â€“ climate change and water supply. International Journal of Climate Change Strategies and Management, 2011, 3, 302-319.	1.5	9
61	Simulated Changes in Seasonal and Low Flows with Climate Change for Irish Catchments. Water (Switzerland), 2022, 14, 1556.	1.2	9
62	Against a â€˜wait and seeâ€™ approach in adapting to climate change. Irish Geography, 2011, 44, 81-95.	0.2	8
63	Longâ€term trends in extreme precipitation indices in Ireland. International Journal of Climatology, 2022, 42, 4040-4061.	1.5	8
64	Barriers and Opportunities for Actionable Knowledge Production in Drought Risk Management: Embracing the Frontiers of Co-production. Frontiers in Environmental Science, 2021, 9, .	1.5	7
65	Dynamicalâ€“statistical seasonal forecasts of winter and summer precipitation for the Island of Ireland. International Journal of Climatology, 2022, 42, 5714-5731.	1.5	7
66	Benchmarking seasonal forecasting skill using river flow persistence in Irish catchments. Hydrological Sciences Journal, 2021, 66, 672-688.	1.2	6
67	The impacts of and responses to place loss in a coastal community in Ireland. Local Environment, 2022, 27, 879-896.	1.1	6
68	Evaluation of Sub-Selection Methods for Assessing Climate Change Impacts on Low-Flow and Hydrological Drought Conditions. Water Resources Management, 2021, 35, 113-133.	1.9	5
69	Historical droughts in Irish catchments 1767â€“2016. International Journal of Climatology, 2022, 42, 5442-5466.	1.5	4
70	Insights from 20 years of temperature parallel measurements in Mauritius around the turn of the 20th century. Climate of the Past, 2022, 18, 793-820.	1.3	2
71	Evaluating bias correction methods for seasonal dynamical precipitation forecasts. Journal of Hydrometeorology, 2022, , .	0.7	1
72	A weather diary from Donegal, Ireland, 1846â€“1875. Weather, 2021, 76, 385-391.	0.6	0