

Conor Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

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	Millions of historical monthly rainfall observations taken in the UK and Ireland rescued by citizen scientists. <i>Geoscience Data Journal</i> , 2023, 10, 246-261.	1.8	10
2	The utility of Google Trends as a tool for evaluating flooding in data-scarce places. <i>Area</i> , 2022, 54, 203-212.	1.0	15
3	Do CMIP models capture long-term observed annual precipitation trends?. <i>Climate Dynamics</i> , 2022, 58, 2825-2842.	1.7	20
4	Long-term trends in extreme precipitation indices in Ireland. <i>International Journal of Climatology</i> , 2022, 42, 4040-4061.	1.5	8
5	Historical droughts in Irish catchments 1767-2016. <i>International Journal of Climatology</i> , 2022, 42, 5442-5466.	1.5	4
6	Dynamical-statistical seasonal forecasts of winter and summer precipitation for the Island of Ireland. <i>International Journal of Climatology</i> , 2022, 42, 5714-5731.	1.5	7
7	The Complex and Spatially Diverse Patterns of Hydrological Droughts Across Europe. <i>Water Resources Research</i> , 2022, 58, .	1.7	16
8	Streamflow frequency changes across western Europe and interactions with North Atlantic atmospheric circulation patterns. <i>Global and Planetary Change</i> , 2022, 212, 103797.	1.6	12
9	Insights from 20 years of temperature parallel measurements in Mauritius around the turn of the 20th century. <i>Climate of the Past</i> , 2022, 18, 793-820.	1.3	2
10	Simulated Changes in Seasonal and Low Flows with Climate Change for Irish Catchments. <i>Water (Switzerland)</i> , 2022, 14, 1556.	1.2	9
11	The impacts of and responses to place loss in a coastal community in Ireland. <i>Local Environment</i> , 2022, 27, 879-896.	1.1	6
12	Evaluating bias correction methods for seasonal dynamical precipitation forecasts. <i>Journal of Hydrometeorology</i> , 2022, , .	0.7	1
13	A weather diary from Donegal, Ireland, 1846-1875. <i>Weather</i> , 2021, 76, 385-391.	0.6	0
14	Long-term variability and trends in meteorological droughts in Western Europe (1851-2018). <i>International Journal of Climatology</i> , 2021, 41, E690.	1.5	43
15	Evaluating the effects of climate change on precipitation and temperature for Iran using RCP scenarios. <i>Journal of Water and Climate Change</i> , 2021, 12, 166-184.	1.2	61
16	Reconstructed monthly river flows for Irish catchments 1766-2016. <i>Geoscience Data Journal</i> , 2021, 8, 34-54.	1.8	14
17	Evaluation of Sub-Selection Methods for Assessing Climate Change Impacts on Low-Flow and Hydrological Drought Conditions. <i>Water Resources Management</i> , 2021, 35, 113-133.	1.9	5
18	Ireland's pre-1940 daily rainfall records. <i>Geoscience Data Journal</i> , 2021, 8, 11-23.	1.8	10

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19	Monitoring and moderating extreme indoor temperatures in low-income urban communities. <i>Environmental Research Letters</i> , 2021, 16, 024033.	2.2	12
20	Benchmarking seasonal forecasting skill using river flow persistence in Irish catchments. <i>Hydrological Sciences Journal</i> , 2021, 66, 672-688.	1.2	6
21	Barriers and Opportunities for Actionable Knowledge Production in Drought Risk Management: Embracing the Frontiers of Co-production. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	7
22	The complex multi-sectoral impacts of drought: Evidence from a mountainous basin in the Central Spanish Pyrenees. <i>Science of the Total Environment</i> , 2021, 769, 144702.	3.9	15
23	Solastalgia, place attachment and disruption: insights from a coastal community on the front line. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	26
24	Nonstationary weather and water extremes: a review of methods for their detection, attribution, and management. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3897-3935.	1.9	109
25	Conditioning ensemble streamflow prediction with the North Atlantic Oscillation improves skill at longer lead times. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4159-4183.	1.9	15
26	Regionalization of hydrological models for flow estimation in ungauged catchments in Ireland. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100859.	1.0	14
27	Increased Vegetation in Mountainous Headwaters Amplifies Water Stress During Dry Periods. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094672.	1.5	21
28	Uncertainties and their interaction in flood hazard assessment with climate change. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5237-5257.	1.9	28
29	Multi-century trends to wetter winters and drier summers in the England and Wales precipitation series explained by observational and sampling bias in early records. <i>International Journal of Climatology</i> , 2020, 40, 610-619.	1.5	31
30	Multi-hazard dependencies can increase or decrease risk. <i>Nature Climate Change</i> , 2020, 10, 595-598.	8.1	39
31	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.	1.5	19
32	Long-term precipitation in Southwestern Europe reveals no clear trend attributable to anthropogenic forcing. <i>Environmental Research Letters</i> , 2020, 15, 094070.	2.2	39
33	An emerging tropical cyclone–deadly heat compound hazard. <i>Nature Climate Change</i> , 2019, 9, 602-606.	8.1	70
34	Climate, Irrigation, and Land Cover Change Explain Streamflow Trends in Countries Bordering the Northeast Atlantic. <i>Geophysical Research Letters</i> , 2019, 46, 10821-10833.	1.5	55
35	Changing climate both increases and decreases European river floods. <i>Nature</i> , 2019, 573, 108-111.	13.7	639
36	Using a Scenario–Neutral Framework to Avoid Potential Maladaptation to Future Flood Risk. <i>Water Resources Research</i> , 2019, 55, 1079-1104.	1.7	37

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37	Climate impacts on soil erosion and muddy flooding at 1.5 versus 2°C warming. <i>Land Degradation and Development</i> , 2019, 30, 94-108.	1.8	24
38	Drivers and barriers of adaptation initiatives – How societal transformation affects natural hazard management and risk mitigation in Europe. <i>Science of the Total Environment</i> , 2019, 650, 1073-1082.	3.9	52
39	Place attachment, disruption and transformative adaptation. <i>Journal of Environmental Psychology</i> , 2018, 55, 81-89.	2.3	98
40	Integrating Data Rescue into the Classroom. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1757-1764.	1.7	20
41	A 305-year continuous monthly rainfall series for the island of Ireland (1711–2016). <i>Climate of the Past</i> , 2018, 14, 413-440.	1.3	46
42	Navigating Cascades of Uncertainty – As Easy as ABC? Not Quite!. <i>Journal of Extreme Events</i> , 2018, 05, 1850007.	1.2	19
43	Super Storm Desmond: a process-based assessment. <i>Environmental Research Letters</i> , 2018, 13, 014024.	2.2	23
44	A 250-year drought catalogue for the island of Ireland (1765–2015). <i>International Journal of Climatology</i> , 2017, 37, 239-254.	1.5	47
45	Irish droughts in newspaper archives: rediscovering forgotten hazards?. <i>Weather</i> , 2017, 72, 151-155.	0.6	19
46	Communicating the deadly consequences of global warming for human heat stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3861-3866.	3.3	198
47	Changing climate shifts timing of European floods. <i>Science</i> , 2017, 357, 588-590.	6.0	584
48	Climate-driven variability in the occurrence of major floods across North America and Europe. <i>Journal of Hydrology</i> , 2017, 552, 704-717.	2.3	122
49	The “dirty dozen” of freshwater science: detecting then reconciling hydrological data biases and errors. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1209.	2.8	45
50	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2689-2702.	1.7	80
51	An evaluation of persistent meteorological drought using a homogeneous Island of Ireland precipitation network. <i>International Journal of Climatology</i> , 2016, 36, 2854-2865.	1.5	17
52	Sharing the Pain: Perceptions of Fairness Affect Private and Public Response to Hazards. <i>Annals of the American Association of Geographers</i> , 2016, 106, 1079-1096.	1.5	40
53	Barriers to Transformative Adaptation: Responses to Flood Risk in Ireland. <i>Journal of Extreme Events</i> , 2016, 03, 1650010.	1.2	17
54	Transferability of hydrological models and ensemble averaging methods between contrasting climatic periods. <i>Water Resources Research</i> , 2016, 52, 8343-8373.	1.7	70

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55	Homogenization and analysis of an expanded long-term monthly rainfall network for the Island of Ireland (1850–2010). <i>International Journal of Climatology</i> , 2016, 36, 2837-2853.	1.5	41
56	Past and future climate change in the context of memorable seasonal extremes. <i>Climate Risk Management</i> , 2016, 11, 37-52.	1.6	24
57	A cyclone climatology of the British-Irish Isles 1871–2012. <i>International Journal of Climatology</i> , 2016, 36, 1299-1312.	1.5	20
58	Adapting to climate change in shifting landscapes of belief. <i>Climatic Change</i> , 2016, 134, 101-114.	1.7	52
59	Attribution of detected changes in streamflow using multiple working hypotheses. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1935-1952.	1.9	63
60	The Statistical DownScaling Model - Decision Centric (SDSM-DC): conceptual basis and applications. <i>Climate Research</i> , 2014, 61, 259-276.	0.4	110
61	Stormiest winter on record for Ireland and UK. <i>Nature Climate Change</i> , 2014, 4, 738-740.	8.1	94
62	Changing social contracts in climate-change adaptation. <i>Nature Climate Change</i> , 2013, 3, 330-333.	8.1	177
63	Sensitivity of the performance of a conceptual rainfall-runoff model to the temporal sampling of calibration data. <i>Hydrology Research</i> , 2013, 44, 484-494.	1.1	23
64	Climate-driven trends in mean and high flows from a network of reference stations in Ireland. <i>Hydrological Sciences Journal</i> , 2013, 58, 755-772.	1.2	61
65	Generating probabilistic estimates of hydrological response for Irish catchments using a weather generator and probabilistic climate change scenarios. <i>Hydrological Processes</i> , 2012, 26, 2307-2321.	1.1	16
66	The sensitivity of fluvial flood risk in Irish catchments to the range of IPCC AR4 climate change scenarios. <i>Science of the Total Environment</i> , 2011, 409, 5403-5415.	3.9	44
67	The role of hydrological modelling uncertainties in climate change impact assessments of Irish river catchments. <i>Advances in Water Resources</i> , 2011, 34, 562-576.	1.7	204
68	Against a 'wait and see' approach in adapting to climate change. <i>Irish Geography</i> , 2011, 44, 81-95.	0.2	8
69	Robust adaptation assessment of climate change and water supply. <i>International Journal of Climate Change Strategies and Management</i> , 2011, 3, 302-319.	1.5	9
70	Vulnerability Analysis of Future Public Water Supply Under Changing Climate Conditions: A Study of the Moy Catchment, Western Ireland. <i>Water Resources Management</i> , 2010, 24, 3527-3545.	1.9	27
71	The reliability of an 'off-the-shelf' conceptual rainfall runoff model for use in climate impact assessment: uncertainty quantification using Latin hypercube sampling. <i>Area</i> , 2006, 38, 65-78.	1.0	24
72	Assessing the Impact of Climate Change on Water Supply and Flood Hazard in Ireland Using Statistical Downscaling and Hydrological Modelling Techniques. <i>Climatic Change</i> , 2006, 74, 475-491.	1.7	65