

Neil Macdonald

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7348533/neil-macdonald-publications-by-citations.pdf>

Version: 2024-04-28

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.

60
papers

2,324
citations

23
h-index

48
g-index

64
ext. papers

2,877
ext. citations

5.5
avg, IF

4.77
L-index

#	Paper	IF	Citations
60	Changing climate shifts timing of European floods. <i>Science</i> , 2017 , 357, 588-590	33.3	402
59	Changing climate both increases and decreases European river floods. <i>Nature</i> , 2019 , 573, 108-111	50.4	344
58	Understanding flood regime changes in Europe: a state-of-the-art assessment. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2735-2772	5.5	334
57	Flood stratigraphies in lake sediments: A review. <i>Earth-Science Reviews</i> , 2014 , 135, 17-37	10.2	90
56	Documentary evidence of past floods in Europe and their utility in flood frequency estimation. <i>Journal of Hydrology</i> , 2014 , 517, 963-973	6	88
55	European floods during the winter 1783/1784: scenarios of an extreme event during the Little Ice Age. <i>Theoretical and Applied Climatology</i> , 2010 , 100, 163-189	3	80
54	Identification of coherent flood regions across Europe by using the longest streamflow records. <i>Journal of Hydrology</i> , 2015 , 528, 341-360	6	65
53	Current European flood-rich period exceptional compared with past 500 years. <i>Nature</i> , 2020 , 583, 560-566	56.4	56
52	Interpreting historical, botanical, and geological evidence to aid preparations for future floods. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019 , 6, e1318	5.7	50
51	Historical and pooled flood frequency analysis for the River Tay at Perth, Scotland. <i>Area</i> , 2006 , 38, 34-46	1.7	49
50	Reassessment of flood frequency using historical information for the River Ouse at York, UK (1200-2000). <i>Hydrological Sciences Journal</i> , 2010 , 55, 1152-1162	3.5	46
49	Making space for unruly water: Sustainable drainage systems and the disciplining of surface runoff. <i>Geoforum</i> , 2007 , 38, 534-544	2.9	44
48	Toward integrated historical climate research: the example of Atmospheric Circulation Reconstructions over the Earth. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2016 , 7, 164-174	8.4	36
47	Severity, duration and frequency of drought in SE England from 1697 to 2011. <i>Climatic Change</i> , 2013 , 121, 673-687	4.5	36
46	Current understanding of hydrological processes on common urban surfaces. <i>Progress in Physical Geography</i> , 2016 , 40, 699-713	3.5	35
45	Use of multi-proxy flood records to improve estimates of flood risk: Lower River Tay, Scotland. <i>Catena</i> , 2006 , 66, 107-119	5.8	33
44	Trends in flood seasonality of the River Ouse (Northern England) from archive and instrumental sources since AD 1600. <i>Climatic Change</i> , 2012 , 110, 901-923	4.5	32

43	High-magnitude flooding across Britain since AD 1750. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 1631-1650	5.5	31
42	Natural Flood Management: Beyond the evidence debate. <i>Area</i> , 2019 , 51, 743-751	1.7	28
41	The significance of Gilbert F. White's 1945 paper 'Human adjustment to floods' in the development of risk and hazard management. <i>Progress in Physical Geography</i> , 2012 , 36, 125-133	3.5	27
40	A 305-year continuous monthly rainfall series for the island of Ireland (1711-2016). <i>Climate of the Past</i> , 2018 , 14, 413-440	3.9	27
39	Reassessing flood frequency for the River Trent through the inclusion of historical flood information since ad 1320 2013 , 44, 215-233		26
38	Spatial and temporal variability of flood seasonality in Wales. <i>Hydrological Processes</i> , 2010 , 24, 1806-1820	3	24
37	Neil MacDonal on Epigraphic Records: A Valuable Resource in Reassessing Flood Risk and Long-Term Climate Variability. <i>Environmental History</i> , 2007 , 12, 136-140	0.5	23
36	Long-term variability and trends in meteorological droughts in Western Europe (1851-2018). <i>International Journal of Climatology</i> , 2021 , 41, E690	3.5	23
35	Reassessing flood frequency for the Sussex Ouse, Lewes: the inclusion of historical flood information since AD 1650. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 2817-2828	3.9	22
34	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. <i>Proceedings of the International Association of Hydrological Sciences</i> , 370, 89-95		22
33	Hydrological thresholds and basin control over paleoflood records in lakes. <i>Geology</i> , 2016 , 44, 43-46	5	21
32	Getting it wrong first time: building an interdisciplinary research relationship. <i>Area</i> , 2007 , 39, 490-498	1.7	19
31	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	3.5	18
30	Using lake sediment archives to improve understanding of flood magnitude and frequency: Recent extreme flooding in northwest UK. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 2366-2376	3.7	14
29	Interactions between apparently primary weather-driven hazards and their cost. <i>Environmental Research Letters</i> , 2015 , 10, 104003	6.2	14
28	Engineers and planners: sustainable water management alliances. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2011 , 164, 239-247	0.9	14
27	The co-evolution of historical source materials in the geophysical, hydrological and meteorological sciences: Learning from the past and moving forward. <i>Progress in Physical Geography</i> , 2018 , 42, 61-82	3.5	13
26	Quantifying system disturbance and recovery from historical mining-derived metal contamination at Brotherswater, northwest England. <i>Journal of Paleolimnology</i> , 2016 , 56, 205-221	2.1	13

25	Dealing with the deluge of historical weather data: the example of the TEMPEST database. <i>Geo: Geography and Environment</i> , 2017 , 4, e00039	0.7	12
24	Revision and extension of the composite Carlisle rainfall record, northwest England: 1757–2012. <i>International Journal of Climatology</i> , 2015 , 35, 3593-3607	3.5	12
23	Examining the social consequences of extreme weather: the outcomes of the 1946/1947 winter in upland Wales, UK. <i>Climatic Change</i> , 2012 , 113, 35-53	4.5	12
22	The application of a drought reconstruction in water resource management 2016 , 47, 646-659		10
21	Variability of maximum and mean average temperature across Libya (1945–2009). <i>Theoretical and Applied Climatology</i> , 2014 , 117, 549-563	3	9
20	Historical weather accounts from Wales: an assessment of their potential for reconstructing climate. <i>Weather</i> , 2010 , 65, 72-81	0.9	9
19	Archiving memories of changing flood risk: Interdisciplinary explorations around knowledge for resilience. <i>Journal of Arts and Communities</i> , 2012 , 4, 46-74	0.2	9
18	A pre-calibration approach to select optimum inputs for hydrological models in data-scarce regions. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 4391-4407	5.5	8
17	Reconstruction of long-term precipitation records for Edinburgh: an examination of the mechanisms responsible for temporal variability in precipitation. <i>Theoretical and Applied Climatology</i> , 2008 , 92, 141-154	3	6
16	Convergent human and climate forcing of late-Holocene flooding in Northwest England. <i>Global and Planetary Change</i> , 2019 , 182, 102998	4.2	5
15	Reconstructed annual precipitation series for Scotland (1861 – 1991): Spatial and temporal variations, and links to the atmospheric circulation. <i>Scottish Geographical Journal</i> , 2006 , 122, 1-18	0.7	5
14	Demystifying academics to enhance university–business collaborations in environmental science. <i>Geoscience Communication</i> , 2019 , 2, 1-23	0.7	4
13	Dry weather fears of Britain’s early Industrial Canal network. <i>Regional Environmental Change</i> , 2019 , 19, 2325-2337	4.3	4
12	Variability of minimum temperature across Libya (1945–2009). <i>International Journal of Climatology</i> , 2013 , 33, 641-653	3.5	4
11	Reassessing long-term drought risk and societal impacts in Shenyang, Liaoning Province, north-east China (1200–2015). <i>Climate of the Past</i> , 2020 , 16, 1917-1935	3.9	4
10	Developing a large-scale dataset of flood fatalities for territories in the Euro-Mediterranean region, FFEM-DB.. <i>Scientific Data</i> , 2022 , 9, 166	8.2	4
9	Quantifying the hydrological implications of pre- and post-installation willowed engineered log jams in the Pennine Uplands, NW England. <i>Journal of Hydrology</i> , 2021 , 603, 126855	6	3
8	A dreadful phenomenon described and improved—Reverend John Fletcher’s account of the Buildwas earthquake of 1773. <i>Journal of Historical Geography</i> , 2019 , 64, 72-84	0.7	2

7	Assessing the performance of a physically based hydrological model using a proxy-catchment approach in an agricultural environment. <i>Hydrological Processes</i> , 2019 , 33, 3119-3137	3.3	1
6	The inclusion of sustainable drainage systems in flood management in the post-industrial city: A case study of Glasgow. <i>Scottish Geographical Journal</i> , 2006 , 122, 233-246	0.7	1
5	Evaluating the utility of qualitative personal diaries in precipitation reconstruction in the eighteenth and nineteenth centuries. <i>Climate of the Past</i> , 2021 , 17, 133-149	3.9	1
4	Barriers to mainstream adoption of catchment-wide natural flood management: a transdisciplinary problem-framing study of delivery practice. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 6239-6259	5.5	0
3	Fundamentals of fluvial geomorphology - by Ro Charlton. <i>Area</i> , 2009 , 41, 225-225	1.7	
2	Mountains: Sources of Water, Sources of Knowledge. <i>Mountain Research and Development</i> , 2009 , 29, 191	1.4	
1	The development of early reservoirs to supply water to arterial canals in England and Wales. <i>Landscape History</i> , 2021 , 42, 79-98	0.4	