

# Iestyn D Barr

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,331  
citations

393982

19  
h-index

360668

35  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacial geomorphological mapping: A review of approaches and frameworks for best practice. <i>Earth-Science Reviews</i> , 2018, 185, 806-846.	4.0	157
2	Widespread drying of European peatlands in recent centuries. <i>Nature Geoscience</i> , 2019, 12, 922-928.	5.4	130
3	<scp>BRITICE</scp> Glacial Map, version 2: a map and <scp>GIS</scp> database of glacial landforms of the last Britishâ€“Irish Ice Sheet. <i>Boreas</i> , 2018, 47, 11.	1.2	107
4	A review of topographic controls on moraine distribution. <i>Geomorphology</i> , 2014, 226, 44-64.	1.1	97
5	Glacial cirques as palaeoenvironmental indicators: Their potential and limitations. <i>Earth-Science Reviews</i> , 2015, 151, 48-78.	4.0	82
6	Late Quaternary glaciations in Far NE Russia; combining moraines, topography and chronology to assess regional and global glaciation synchrony. <i>Quaternary Science Reviews</i> , 2012, 53, 72-87.	1.4	65
7	Using UAV acquired photography and structure from motion techniques for studying glacier landforms: application to the glacial flutes at IsfallsglaciÃren. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 877-888.	1.2	58
8	Palaeoglacial and palaeoclimatic conditions in the NW Pacific, as revealed by a morphometric analysis of cirques upon the Kamchatka Peninsula. <i>Geomorphology</i> , 2013, 192, 15-29.	1.1	48
9	Using the surface profiles of modern ice masses to inform palaeo-glacier reconstructions. <i>Quaternary Science Reviews</i> , 2010, 29, 3240-3255.	1.4	38
10	Pleistocene and Holocene glacier fluctuations upon the Kamchatka Peninsula. <i>Global and Planetary Change</i> , 2014, 113, 110-120.	1.6	36
11	Glaciers and climate in Pacific Far NE Russia during the Last Glacial Maximum. <i>Journal of Quaternary Science</i> , 2011, 26, 227-237.	1.1	34
12	Manual mapping of drumlins in synthetic landscapes to assess operator effectiveness. <i>Journal of Maps</i> , 2015, 11, 719-729.	1.0	29
13	ACME, a GIS tool for Automated Cirque Metric Extraction. <i>Geomorphology</i> , 2017, 278, 280-286.	1.1	28
14	Climate patterns during former periods of mountain glaciation in Britain and Ireland: Inferences from the cirque record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 466-475.	1.0	27
15	Climate impacts on soil erosion and muddy flooding at 1.5 versus 2Â°C warming. <i>Land Degradation and Development</i> , 2019, 30, 94-108.	1.8	24
16	Equifinality and preservation potential of complex eskers. <i>Boreas</i> , 2020, 49, 211-231.	1.2	23
17	Compositional data analysis of Holocene sediments from the West Bengal Sundarbans, India: Geochemical proxies for grain-size variability in a delta environment. <i>Applied Geochemistry</i> , 2016, 75, 222-235.	1.4	22
18	Volcanic impacts on modern glaciers: A global synthesis. <i>Earth-Science Reviews</i> , 2018, 182, 186-203.	4.0	22

#	ARTICLE	IF	CITATIONS
19	Schmidt Hammer exposure dating (SHED): Calibration procedures, new exposure age data and an online calculator. <i>Quaternary Geochronology</i> , 2018, 44, 55-62.	0.6	21
20	The dynamics of mountain erosion: Cirque growth slows as landscapes age. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2628-2637.	1.2	21
21	Testing the area–altitude balance ratio (AABR) and accumulation–area ratio (AAR) methods of calculating glacier equilibrium-line altitudes. <i>Journal of Glaciology</i> , 2022, 68, 357-368.	1.1	21
22	Understanding controls on cirque floor altitudes: Insights from Kamchatka. <i>Geomorphology</i> , 2015, 248, 1-13.	1.1	20
23	Younger Dryas glaciers and climate in the Mourne Mountains, Northern Ireland. <i>Journal of Quaternary Science</i> , 2017, 32, 104-115.	1.1	20
24	Testing the efficacy of the glacial buzzsaw: insights from the Sredinny Mountains, Kamchatka. <i>Geomorphology</i> , 2014, 206, 230-238.	1.1	19
25	Multiple Late Holocene surges of a High-Arctic tidewater glacier system in Svalbard. <i>Quaternary Science Reviews</i> , 2018, 201, 162-185.	1.4	17
26	Distribution and pattern of moraines in Far NE Russia reveal former glacial extent. <i>Journal of Maps</i> , 2009, 5, 186-193.	1.0	16
27	Using ArcticDEM to Analyse the Dimensions and Dynamics of Debris-Covered Glaciers in Kamchatka, Russia. <i>Geosciences (Switzerland)</i> , 2018, 8, 216.	1.0	15
28	Moraine crest or slope: An analysis of the effects of boulder position on cosmogenic exposure age. <i>Earth and Planetary Science Letters</i> , 2021, 570, 117092.	1.8	15
29	Provenance and depositional variability of the Thin Mud Facies in the lower Ganges-Brahmaputra delta, West Bengal Sundarbans, India. <i>Marine Geology</i> , 2018, 395, 198-218.	0.9	14
30	Timing of glacial retreat in the Wicklow Mountains, Ireland, conditioned by glacier size and topography. <i>Journal of Quaternary Science</i> , 2018, 33, 611-623.	1.1	13
31	Rapid glacial retreat on the Kamchatka Peninsula during the early 21st century. <i>Cryosphere</i> , 2016, 10, 1809-1821.	1.5	11
32	Climatic controls on the equilibrium-line altitudes of Scandinavian cirque glaciers. <i>Geomorphology</i> , 2020, 352, 106986.	1.1	11
33	Glacio-archaeological evidence of permanent settlements within a glacier end moraine complex during 980-1840 AD: The Miyar Basin, Lahaul Himalaya, India. <i>Anthropocene</i> , 2019, 26, 100197.	1.6	10
34	An updated moraine map of Far NE Russia. <i>Journal of Maps</i> , 2012, 8, 431-436.	1.0	8
35	Variations in esker morphology and internal architecture record time-transgressive deposition during ice margin retreat in Northern Ireland. <i>Proceedings of the Geologists Association</i> , 2021, 132, 409-425.	0.6	8
36	Complex kame belt morphology, stratigraphy and architecture. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2685-2702.	1.2	7

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37	Reprint of "Pleistocene and Holocene glacier fluctuations upon the Kamchatka Peninsula". Global and Planetary Change, 2015, 134, 155-165.	1.6	5
38	Examining the Viability of the World's Busiest Winter Road to Climate Change Using a Process-Based Lake Model. Bulletin of the American Meteorological Society, 2021, 102, E1464-E1480.	1.7	5
39	Controls on the altitude of Scandinavian cirques: What do they tell us about palaeoclimate?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 600, 111062.	1.0	5
40	Linking glacier extent and summer temperature in NE Russia - Implications for precipitation during the global Last Glacial Maximum. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 470, 72-80.	1.0	4
41	Pushing the Limits: Palynological Investigations at the Margin of the Greenland Ice Sheet in the Norse Western Settlement. Environmental Archaeology, 2022, 27, 228-242.	0.6	4
42	Greenland tidewater glacier advanced rapidly during era of Norse settlement. Geology, 2022, 50, 704-709.	2.0	4
43	Late Holocene canyon-carving floods in northern Iceland were smaller than previously reported. Communications Earth & Environment, 2021, 2, .	2.6	3
44	Assessing the Use of Optical Satellite Images to Detect Volcanic Impacts on Glacier Surface Morphology. Remote Sensing, 2021, 13, 3453.	1.8	3
45	The (mis)conception of average Quaternary conditions. Quaternary Research, 2022, 105, 235-240.	1.0	3