

# Julian B Murton

## List of Publications by Year in descending order

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80  
papers

4,914  
citations

94433

37  
h-index

95266

68  
g-index

89  
all docs

89  
docs citations

89  
times ranked

5154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground Ice. , 2022, , 428-457.		3
2	A multimethod dating study of ancient permafrost, Batagay megaslump, east Siberia. Quaternary Research, 2022, 105, 1-22.	1.7	24
3	Evaluation of freezing state of sandstone using ultrasonic time-frequency characteristics. Journal of Rock Mechanics and Geotechnical Engineering, 2022, , .	8.1	0
4	Timing and dynamics of Late Wolstonian Substage â€”Moreton Stadialâ€” (MIS 6) glaciation in the English West Midlands, UK. Royal Society Open Science, 2022, 9, .	2.4	2
5	Pleistocene glacial and interglacial ecosystems inferred from ancient <scp>DNA</scp> analyses of permafrost sediments from Batagay megaslump, East Siberia. Environmental DNA, 2022, 4, 1265-1283.	5.8	11
6	Sensitivity and regression analysis of acoustic parameters for determining physical properties of frozen fine sand with ultrasonic test. Quarterly Journal of Engineering Geology and Hydrogeology, 2021, 54, .	1.4	5
7	Detection of the freezing state and frozen section thickness of fine sand by ultrasonic testing. Permafrost and Periglacial Processes, 2021, 32, 76-91.	3.4	9
8	Cryostratigraphy. , 2021, , 458-458.		2
9	Permafrost and climate change. , 2021, , 281-326.		5
10	What and where are periglacial landscapes?. Permafrost and Periglacial Processes, 2021, 32, 186-212.	3.4	24
11	Hugh French memorial for <i>Permafrost and Periglacial Processes</i>. Permafrost and Periglacial Processes, 2021, 32, 181-185.	3.4	0
12	Experimental Observations and Statistical Modeling of Crack Propagation Dynamics in Limestone by Acoustic Emission Analysis During Freezing and Thawing. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006127.	2.8	8
13	Periglacial Processes and Deposits. , 2021, , 857-875.		2
14	Microâ€”computed tomography imaging and probabilistic modelling of rock fracture by freezeâ€”thaw. Earth Surface Processes and Landforms, 2020, 45, 666-680.	2.5	16
15	Oriented-lake development in the context of late Quaternary landscape evolution, McKinley Bay Coastal Plain, western Arctic Canada. Quaternary Science Reviews, 2020, 242, 106414.	3.0	12
16	Experimental observations that simulated activeâ€”layer deepening drives deeper rock fracture. Permafrost and Periglacial Processes, 2020, 31, 296-310.	3.4	7
17	Mid-Devensian climate and landscape in England: new data from Finningley, South Yorkshire. Royal Society Open Science, 2019, 6, 190577.	2.4	4
18	Past climate and continentality inferred from ice wedges at Batagay megaslump in the Northern Hemisphere's most continental region, Yana Highlands, interior Yakutia. Climate of the Past, 2019, 15, 1443-1461.	3.4	35

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19	The configuration of Northern Hemisphere ice sheets through the Quaternary. <i>Nature Communications</i> , 2019, 10, 3713.	12.8	284
20	Ice wedges as archives of winter paleoclimate: A review. <i>Permafrost and Periglacial Processes</i> , 2018, 29, 199-209.	3.4	47
21	The geomorphology of the Anthropocene: emergence, status and implications. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 71-90.	2.5	183
22	Preliminary paleoenvironmental analysis of permafrost deposits at Batagaika megaslump, Yana Uplands, northeast Siberia. <i>Quaternary Research</i> , 2017, 87, 314-330.	1.7	58
23	Early to mid Wisconsin Fluvial Deposits and Palaeoenvironment of the Kidluit Formation, Tuktoyaktuk Coastlands, Western Arctic Canada. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 523-533.	3.4	6
24	Limited contribution of permafrost carbon to methane release from thawing peatlands. <i>Nature Climate Change</i> , 2017, 7, 507-511.	18.8	69
25	Monitoring rock freezing and thawing by novel geoelectrical and acoustic techniques. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 2309-2332.	2.8	31
26	The influence of vegetation and soil characteristics on active layer thickness of permafrost soils in boreal forest. <i>Global Change Biology</i> , 2016, 22, 3127-3140.	9.5	131
27	Heave, settlement and fracture of chalk during physical modelling experiments with temperature cycling above and below 0°C. <i>Geomorphology</i> , 2016, 270, 71-87.	2.6	24
28	Recent Advances (2008–2015) in the Study of Ground Ice and Cryostratigraphy. <i>Permafrost and Periglacial Processes</i> , 2016, 27, 377-389.	3.4	37
29	Late Pleistocene Cold-Climate Loess Deposits of Beringia. <i>Scottish Geographical Journal</i> , 2016, 132, 177-181.	1.1	0
30	Palaeoenvironmental Interpretation of Yedoma Silt (Ice Complex) Deposition as Cold-Climate Loess, Duvanny Yar, Northeast Siberia. <i>Permafrost and Periglacial Processes</i> , 2015, 26, 208-288.	3.4	110
31	Middle and Late Pleistocene environmental history of the Marsworth area, south-central England. <i>Proceedings of the Geologists Association</i> , 2015, 126, 18-49.	1.1	18
32	On the reconstruction of palaeo-ice sheets: Recent advances and future challenges. <i>Quaternary Science Reviews</i> , 2015, 125, 15-49.	3.0	125
33	Geological Society of London Engineering Group Working Party on Periglacial and Glacial Engineering Geology. , 2015, , 31-35.		0
34	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014, 506, 47-51.	27.8	505
35	The evolution of periglacial patterned ground in East Anglia, UK. <i>Journal of Quaternary Science</i> , 2014, 29, 301-317.	2.1	29
36	Middle and Late Pleistocene glacial lakes of lowland Britain and the southern North Sea Basin. <i>Quaternary International</i> , 2012, 260, 115-142.	1.5	50

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37	Glacierâ€™permafrost interactions: Processes, products and glaciological implications. <i>Sedimentary Geology</i> , 2012, 255-256, 1-28.	2.1	67
38	Sand intraclasts as evidence of subglacial deformation of Middle Pleistocene permafrost, North Norfolk, UK. <i>Quaternary Science Reviews</i> , 2011, 30, 3481-3500.	3.0	43
39	A conceptual model of valley incision, planation and terrace formation during cold and arid permafrost conditions of Pleistocene southern England. <i>Quaternary Research</i> , 2011, 75, 385-394.	1.7	29
40	Identification of Younger Dryas outburst flood path from Lake Agassiz to the Arctic Ocean. <i>Nature</i> , 2010, 464, 740-743.	27.8	240
41	The source of De variability in periglacial sand wedges: Depositional processes versus measurement issues. <i>Quaternary Geochronology</i> , 2010, 5, 250-256.	1.4	28
42	Basal glacier ice and massive ground ice: different scientists, same science?. <i>Geological Society Special Publication</i> , 2009, 320, 57-69.	1.3	5
43	Geological evidence for subglacial deformation of Pleistocene permafrost. <i>Proceedings of the Geologists Association</i> , 2009, 120, 155-162.	1.1	30
44	Sedimentology and luminescence ages of Glacial Lake Humber deposits in the central Vale of York. <i>Proceedings of the Geologists Association</i> , 2009, 120, 209-222.	1.1	29
45	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. <i>Earth-Science Reviews</i> , 2009, 92, 117-171.	9.1	499
46	Stratigraphy and palaeoenvironments of Richards Island and the eastern Beaufort Continental Shelf during the last glacialâ€™interglacial cycle. <i>Permafrost and Periglacial Processes</i> , 2009, 20, 107-125.	3.4	33
47	Global Warming and Thermokarst. <i>Soil Biology</i> , 2009, , 185-203.	0.8	12
48	Frost weathering: recent advances and future directions. <i>Permafrost and Periglacial Processes</i> , 2008, 19, 195-210.	3.4	276
49	Solifluction processes on permafrost and nonâ€™permafrost slopes: results of a largeâ€™scale laboratory simulation. <i>Permafrost and Periglacial Processes</i> , 2008, 19, 359-378.	3.4	66
50	Luminescence dating of mid- to Late Wisconsinan aeolian sand as a constraint on the last advance of the Laurentide Ice Sheet across the Tuktoyaktuk Coastlands, western Arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 2007, 44, 857-869.	1.3	30
51	Syngenetic sand veins and anti-syngenetic sand wedges, Tuktoyaktuk Coastlands, western Arctic Canada. <i>Permafrost and Periglacial Processes</i> , 2007, 18, 33-47.	3.4	37
52	The chronostratigraphy of Late Pleistocene glacial and periglacial aeolian activity in the Tuktoyaktuk Coastlands, NWT, Canada. <i>Quaternary Science Reviews</i> , 2006, 25, 2552-2568.	3.0	56
53	Bedrock Fracture by Ice Segregation in Cold Regions. <i>Science</i> , 2006, 314, 1127-1129.	12.6	308
54	Ground-ice stratigraphy and formation at North Head, Tuktoyaktuk Coastlands, western Arctic Canada: a product of glacier-permafrost interactions. <i>Permafrost and Periglacial Processes</i> , 2005, 16, 31-50.	3.4	45

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55	Experimental simulation of ice-wedge casting: processes, products and palaeoenvironmental significance. Geological Society Special Publication, 2005, 242, 131-143.	1.3	9
56	Interactions between glaciers and permafrost: an introduction. Geological Society Special Publication, 2005, 242, 1-9.	1.3	34
57	An analysis of mechanisms of ice-wedge casting based on geotechnical centrifuge simulations. Geomorphology, 2005, 71, 328-343.	2.6	11
58	Basal ice facies and supraglacial melt-out till of the Laurentide Ice Sheet, Tuktoyaktuk Coastlands, western Arctic Canada. Quaternary Science Reviews, 2005, 24, 681-708.	3.0	69
59	Stratigraphy and glaciotectonic structures of permafrost deformed beneath the northwest margin of the Laurentide ice sheet, Tuktoyaktuk Coastlands, Canada. Journal of Glaciology, 2004, 50, 399-412.	2.2	58
60	The Devensian periglacial record on Thanet, Kent, UK. Permafrost and Periglacial Processes, 2003, 14, 217-246.	3.4	46
61	Recent advances in the understanding of Quaternary periglacial features of the English Channel coastlands. Journal of Quaternary Science, 2003, 18, 301-307.	2.1	33
62	Ice-wedge casts as indicators of palaeotemperatures: precise proxy or wishful thinking?. Progress in Physical Geography, 2003, 27, 155-170.	3.2	78
63	A late Middle Pleistocene temperate-periglacial temperate sequence (Oxygen Isotope Stages 7-5e) near Marsworth, Buckinghamshire, UK. Quaternary Science Reviews, 2001, 20, 1787-1825.	3.0	57
64	Physical modelling of bedrock brecciation by ice segregation in permafrost. Permafrost and Periglacial Processes, 2001, 12, 255-266.	3.4	75
65	Experimental design for a pilot study on bedrock weathering near the permafrost table. Earth Surface Processes and Landforms, 2000, 25, 1281-1294.	2.5	48
66	Soft-sediment deformation during thawing of ice-rich frozen soils: results of scaled centrifuge modelling experiments. Sedimentology, 2000, 47, 687-700.	3.1	47
67	Sand veins and wedges in cold aeolian environments. Quaternary Science Reviews, 2000, 19, 899-922.	3.0	118
68	Late Devensian and Holocene depositional environments associated with the coversand around Caistor, north Lincolnshire, UK. Boreas, 2000, 29, 1-15.	2.4	25
69	Periglacial cryostratigraphy, palaeoenvironments and processes: Papers from a Periglacial Workshop, University of Wales, Cardiff, UK, 16-17 December 1997. Preface. Permafrost and Periglacial Processes, 1998, 9, 295-296.	3.4	0
70	Late Wisconsinan erosion and eolian deposition, Summer Island area, Pleistocene Mackenzie Delta, Northwest Territories: optical dating and implications for glacial chronology. Canadian Journal of Earth Sciences, 1997, 34, 190-199.	1.3	51
71	Quaternary geology of the Buchans area, Newfoundland: implications for mineral exploration. Canadian Journal of Earth Sciences, 1996, 33, 363-377.	1.3	12
72	Morphology and Palaeoenvironmental Significance of Quaternary Sand Veins, Sand Wedges, and Composite Wedges, Tuktoyaktuk Coastlands, Western Arctic Canada. Journal of Sedimentary Research, 1996, Vol. 66, .	1.6	9

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73	Near-surface brecciation of chalk, Isle of Thanet, south-east England: a comparison with ice-rich brecciated bedrocks in Canada and Spitsbergen. <i>Permafrost and Periglacial Processes</i> , 1996, 7, 153-164.	3.4	66
74	Thermokarst-lake-basin sediments, Tuktoyaktuk Coastlands, western arctic Canada. <i>Sedimentology</i> , 1996, 43, 737-760.	3.1	84
75	A new indicator of glacial dispersal: Lead isotopes. <i>Quaternary Science Reviews</i> , 1995, 14, 275-287.	3.0	16
76	Involutions in the Middle Pleistocene (Anglian) Barham Soil, eastern England: a comparison with thermokarst involutions from arctic Canada. <i>Boreas</i> , 1995, 24, 269-280.	2.4	41
77	Cryostructures in permafrost, Tuktoyaktuk coastlands, western arctic Canada. <i>Canadian Journal of Earth Sciences</i> , 1994, 31, 737-747.	1.3	116
78	Thaw modification of frost-fissure wedges, Richards Island, Pleistocene Mackenzie Delta, Western Arctic Canada. <i>Journal of Quaternary Science</i> , 1993, 8, 185-196.	2.1	47
79	Thermokarst involutions, summer island, pleistocene mackenzie delta, Western Canadian arctic. <i>Permafrost and Periglacial Processes</i> , 1993, 4, 217-229.	3.4	51
80	The Behaviour of Glaciers on Frozen Beds: Modern and Pleistocene Examples. , 0, , 326-328.		0