

# Andrew J Russell

## List of Publications by Year in descending order

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60  
papers

2,242  
citations

172457

29  
h-index

223800

46  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controls on the formation and sudden drainage of glacier-impounded lakes: implications for jökulhlaup characteristics. <i>Progress in Physical Geography</i> , 1999, 23, 79-110.	3.2	166
2	Technical Note: Advances in flash flood monitoring using unmanned aerial vehicles (UAVs). <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4005-4015.	4.9	124
3	Icelandic jökulhlaup impacts: Implications for ice-sheet hydrology, sediment transfer and geomorphology. <i>Geomorphology</i> , 2006, 75, 33-64.	2.6	111
4	Architectural analysis of a volcanoclastic jökulhlaup deposit, southern Iceland: sedimentary evidence for supercritical flow. <i>Sedimentology</i> , 2008, 55, 939-964.	3.1	102
5	Ice fracturing during jökulhlaups: implications for englacial floodwater routing and outlet development. <i>Earth Surface Processes and Landforms</i> , 2000, 25, 1429-1446.	2.5	85
6	Aeolian dune field development in a water table-controlled system: Skeiðarárjarsandur, Southern Iceland. <i>Sedimentology</i> , 2009, 56, 2107-2131.	3.1	78
7	Geomorphological evidence for jökulhlaups from Kverkfjöll volcano, Iceland. <i>Geomorphology</i> , 2004, 63, 81-102.	2.6	75
8	Reconstruction of the largest Holocene jökulhlaup within Jökulsáir Fjörðlum, NE Iceland. <i>Quaternary Science Reviews</i> , 2005, 24, 2319-2334.	3.0	74
9	Sedimentology of cold-climate aeolian sandsheet deposits in the Askja region of northeast Iceland. <i>Sedimentary Geology</i> , 2004, 166, 223-244.	2.1	73
10	An ice-contact rhythmite (turbidite) succession deposited during the November 1996 catastrophic outburst flood (jökulhlaup), Skeiðarárjökull, Iceland. <i>Sedimentary Geology</i> , 1999, 127, 1-10.	2.1	67
11	Glaciohydraulic supercooling in Iceland. <i>Geology</i> , 2002, 30, 439.	4.4	65
12	Controls on the sedimentary architecture of a single event englacial esker: Skeiðarárjökull, Iceland. <i>Quaternary Science Reviews</i> , 2008, 27, 1829-1847.	3.0	63
13	Palaeohydrology and sedimentary impacts of jökulhlaups from Kverkfjöll, Iceland. <i>Sedimentary Geology</i> , 2004, 172, 19-40.	2.1	58
14	Obstacle marks produced by flow around stranded ice blocks during a glacier outburst flood (jökulhlaup) in west Greenland. <i>Sedimentology</i> , 1993, 40, 1091-1111.	3.1	57
15	Possible Juventae Chasma subice volcanic eruptions and Maja Valles ice outburst floods on Mars: Implications of Mars Global Surveyor crater densities, geomorphology, and topography. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
16	A Comparison of two Recent Jökulhlaups from An Ice-dammed Lake, Søndre Strømfjord, West Greenland. <i>Journal of Glaciology</i> , 1989, 35, 157-162.	2.2	55
17	A new cycle of jökulhlaups at Russell Glacier, Kangerlussuaq, West Greenland. <i>Journal of Glaciology</i> , 2011, 57, 238-246.	2.2	52
18	A multi-dimensional analysis of proglacial landscape change at Sálheimajökull, southern Iceland. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 809-822.	2.5	49

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19	Coastal aeolian dune development, SÁlheimasandur, southern Iceland. <i>Sedimentary Geology</i> , 2006, 192, 167-181.	2.1	48
20	An unusual jÁrkuhlaupt resulting from subglacial volcanism, SÁlheimajÁrkull, Iceland. <i>Quaternary Science Reviews</i> , 2010, 29, 1363-1381.	3.0	47
21	Sedimentology of a sandur formed by multiple jÁrkuhlaups, KverkfjÁrll, Iceland. <i>Sedimentary Geology</i> , 2009, 213, 77-88.	2.1	43
22	Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes. <i>Quaternary Science Reviews</i> , 2013, 67, 39-58.	3.0	39
23	Controls on englacial sediment deposition during the November 1996 jÁrkuhlaupt, SkeiÁarÁrjÁrkull, Iceland. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 935-952.	2.5	38
24	Tunnel channel formation during the November 1996 jÁrkuhlaupt, SkeiÁarÁrjÁrkull, Iceland. <i>Annals of Glaciology</i> , 2007, 45, 95-103.	1.4	38
25	Controls on the sedimentology of an ice-contact jÁrkuhlaupt-dominated delta, Kangerlussuaq, west Greenland. <i>Sedimentary Geology</i> , 2007, 193, 131-148.	2.1	37
26	JÁrkuhlaupt (ice-dammed lake outburst flood) impact within a valley-confined sandur subject to backwater conditions, Kangerlussuaq, West Greenland. <i>Sedimentary Geology</i> , 2009, 215, 33-49.	2.1	36
27	Hydrologic and geomorphic effects of temporary ice-dammed lake formation during jÁrkuhlaups. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 723-737.	2.5	35
28	Hydrologic monitoring of supercooled meltwater from Icelandic glaciers. <i>Quaternary Science Reviews</i> , 2005, 24, 2308-2318.	3.0	35
29	Geomorphological evidence towards a deâ€glacial control on volcanism. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1164-1178.	2.5	29
30	Ice-Dammed Lake Drainage Evolution at Russell Glacier, West Greenland. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	29
31	Hydrogeological implications of glacial landscape evolution at SkeiÁarÁrsandur, SE Iceland. <i>Geomorphology</i> , 2008, 97, 218-236.	2.6	28
32	Rapid sediment entrainment and englacial deposition during jÁrkuhlaups. <i>Journal of Glaciology</i> , 2000, 46, 349-351.	2.2	24
33	Structural controls on englacial esker sedimentation: SkeiÁarÁrjÁrkull, Iceland. <i>Annals of Glaciology</i> , 2009, 50, 85-92.	1.4	23
34	Observations on the Drainage of an Ice-Dammed Lake in West Greenland. <i>Journal of Glaciology</i> , 1990, 36, 72-74.	2.2	21
35	Flash flood at SÁlheimajÁrkull heralds the reawakening of an Icelandic subglacial volcano. <i>Geology Today</i> , 2000, 16, 102-106.	0.9	20
36	Effects of ice-front collapse and flood generation on a proglacial river channel near kangerlussuaq (SÁndre StrÁmfjord), west greenland. <i>Hydrological Processes</i> , 1995, 9, 213-226.	2.6	19

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37	GPR-Derived Sedimentary Architecture and Stratigraphy of Outburst Flood Sedimentation Within a Bedrock Valley System, Hraundalur, Iceland. <i>Journal of Environmental and Engineering Geophysics</i> , 2007, 12, 127-143.	0.5	19
38	A Younger Dryas (Loch Lomond Stadial) j��kulhlaup deposit, Fort Augustus, Scotland. <i>Boreas</i> , 1998, 27, 231-242.	2.4	19
39	Landscape reaction, response, and recovery following the catastrophic 1918 Katla j��kulhlaup, southern Iceland. <i>Geophysical Research Letters</i> , 2014, 41, 4214-4221.	4.0	19
40	Subglacial j��kulhlaup deposition, Jotunheimen, Norway. <i>Sedimentary Geology</i> , 1994, 91, 131-144.	2.1	17
41	Sedimentary architecture of large-scale, j��kulhlaup-generated, ice-block obstacle marks: Examples from Skei��arsandur, SE Iceland. <i>Sedimentary Geology</i> , 2010, 227, 1-10.	2.1	17
42	Considerations When Applying Large-Scale PIV and PTV for Determining River Flow Velocity. <i>Frontiers in Water</i> , 2021, 3, .	2.3	15
43	Response of glacier flow and structure to proglacial lake development and climate at Fjallsj��kull, south-east Iceland. <i>Journal of Glaciology</i> , 2019, 65, 321-336.	2.2	14
44	Late Devensian meltwater movement and storage within the Ochil Hills, central Scotland. <i>Scottish Journal of Geology</i> , 1995, 31, 65-78.	0.1	13
45	Discussion of ��Field evidence and hydraulic modeling of a large Holocene j��kulhlaup at J��kuls��; �� Fj��llum channel, Iceland�� by Douglas Howard, Sheryl Luzzadder-Beach and Timothy Beach, 2012. <i>Geomorphology</i> , 2013, 201, 512-519.	2.6	13
46	High-energy sedimentation, Creag Aoil, Spean Bridge, Scotland: implications for meltwater movement and storage during Loch Lomond Stadial (Younger Dryas) ice retreat. <i>Journal of Quaternary Science</i> , 2003, 18, 415-430.	2.1	12
47	Extraordinary melt-water run-off near S��ndre Str��mfjord, West Greenland. <i>Journal of Glaciology</i> , 1990, 36, 353.	2.2	11
48	7. Icelandic j��kulhlaup impacts. <i>Developments in Quaternary Sciences</i> , 2005, , 153-203.	0.1	10
49	Ice��margin and meltwater dynamics during the mid��Holocene in the Kangerlussuaq area of west Greenland. <i>Boreas</i> , 2017, 46, 369-387.	2.4	10
50	Controls on j��kulhlaup-transported buried ice melt-out at Skei��arsandur, Iceland: Implications for the evolution of ice-marginal environments. <i>Geomorphology</i> , 2020, 360, 107164.	2.6	10
51	Supraglacial lake drainage near Sendre Str��mjord, Greenland. <i>Journal of Glaciology</i> , 1993, 39, 431-433.	2.2	9
52	11 Volcanogenic J��kulhlaups (Glacier Outburst Floods) from M��rdalsj��kull: Impacts on Proglacial Environments. <i>Developments in Quaternary Sciences</i> , 2010, 13, 181-207.	0.1	9
53	Most recent observations of the drainage of an ice-dammed lake at Russell Glacier, West Greenland, and a new hypothesis regarding mechanisms of drainage initiation. <i>Journal of Glaciology</i> , 1993, 39, 701-703.	2.2	6
54	Subglacial hydraulic scouring and deposition during surge-related outburst floods, Bering Glacier, Alaska. <i>Quaternary Science Reviews</i> , 2010, 29, 2261-2270.	3.0	5

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55	Ground-penetrating radar (GPR) investigations of a large-scale buried ice-marginal landsystem, Skeiðarárírsandur, SE Iceland. <i>Boreas</i> , 2022, 51, 824-846.	2.4	4
56	Sediment budgets and rates of sediment transfer across cold environments in Europe: introduction and background to the European Science Foundation network of sedimentary source-to-sink fluxes in cold environments (Sediflux). <i>Geografiska Annaler, Series A: Physical Geography</i> , 2007, 89, 1-3.	1.5	3
57	Most recent observations of the drainage of an ice-dammed lake at Russell Glacier, West Greenland, and a new hypothesis regarding mechanisms of drainage initiation. <i>Journal of Glaciology</i> , 1993, 39, 701-703.	2.2	3
58	Supraglacial lake drainage near Sendre Strömfjord, Greenland. <i>Journal of Glaciology</i> , 1993, 39, 431-433.	2.2	2
59	Observations on the Drainage of an Ice-Dammed Lake in West Greenland. <i>Journal of Glaciology</i> , 1990, 36, 72-74.	2.2	1
60	Extraordinary melt-water run-off near Sendre Strömfjord, West Greenland. <i>Journal of Glaciology</i> , 1990, 36, 353-353.	2.2	0