

Colin K Ballantyne

List of Publications by Year in descending order

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135
papers

6,739
citations

46918

47
h-index

71532

76
g-index

142
all docs

142
docs citations

142
times ranked

2516
citing authors

#	ARTICLE	IF	CITATIONS
1	Paraglacial geomorphology. <i>Quaternary Science Reviews</i> , 2002, 21, 1935-2017.	1.4	972
2	A general model of paraglacial landscape response. <i>Holocene</i> , 2002, 12, 371-376.	0.9	229
3	Reconstructing the transport history of glacial sediments: a new approach based on the co-variance of clast form indices. <i>Sedimentary Geology</i> , 1994, 91, 215-227.	1.0	204
4	Rock-slope failure following Late Pleistocene deglaciation on tectonically stable mountainous terrain. <i>Quaternary Science Reviews</i> , 2014, 86, 144-157.	1.4	156
5	Paraglacial Slope Adjustment and Resedimentation Following Recent Glacier Retreat, Fabergstolsdalen, Norway. <i>Arctic and Alpine Research</i> , 1994, 26, 255.	1.3	147
6	The Loch Lomond Readvance on the Isle of Skye, Scotland: Glacier reconstruction and palaeoclimatic implications. <i>Journal of Quaternary Science</i> , 2010, 4, 95-108.	1.1	146
7	The description and representation of particle shape. <i>Earth Surface Processes and Landforms</i> , 1993, 18, 665-672.	1.2	145
8	THE LAST ICE SHEET IN NORTH-WEST SCOTLAND: RECONSTRUCTION AND IMPLICATIONS. <i>Quaternary Science Reviews</i> , 1998, 17, 1149-1184.	1.4	145
9	Extent and deglacial chronology of the last British-Irish Ice Sheet: implications of exposure dating using cosmogenic isotopes. <i>Journal of Quaternary Science</i> , 2010, 25, 515-534.	1.1	133
10	Exposure dating and validation of periglacial weathering limits, northwest Scotland. <i>Geology</i> , 1998, 26, 587.	2.0	119
11	Palaeoclimatic reconstruction from Loch Lomond Readvance glaciers in the West Drumochter Hills, Scotland. <i>Journal of Quaternary Science</i> , 2005, 20, 577-592.	1.1	110
12	Trimlines, blockfields, mountain-top erratics and the vertical dimensions of the last British-Irish Ice Sheet in NW Scotland. <i>Quaternary Science Reviews</i> , 2012, 55, 91-102.	1.4	107
13	Bayesian modelling the retreat of the Irish Sea Ice Stream. <i>Journal of Quaternary Science</i> , 2013, 28, 200-209.	1.1	93
14	Age and significance of mountain-top detritus. <i>Permafrost and Periglacial Processes</i> , 1998, 9, 327-345.	1.5	92
15	Timing and periodicity of paraglacial rock-slope failures in the Scottish Highlands. <i>Geomorphology</i> , 2013, 186, 150-161.	1.1	92
16	The characteristics and significance of some lateglacial proglacial ramparts in upland Britain. <i>Earth Surface Processes and Landforms</i> , 1986, 11, 659-671.	1.2	80
17	The Loch Lomond Readvance on the Isle of Mull, Scotland: glacier reconstruction and palaeoclimatic implications. <i>Journal of Quaternary Science</i> , 2002, 17, 759-771.	1.1	80
18	Holocene debris cone evolution in Glen Etive, Western Grampian Highlands, Scotland. <i>Earth Surface Processes and Landforms</i> , 1988, 13, 525-531.	1.2	79

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19	Enhanced rock slope failure following ice sheet deglaciation: timing and causes. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 900-913.	1.2	77
20	The Beinn Alligin rock avalanche, NW Scotland: cosmogenic ¹⁰ Be dating, interpretation and significance. <i>Holocene</i> , 2004, 14, 448-453.	0.9	76
21	Did large ice caps persist on low ground in north-west Scotland during the Lateglacial Interstade?. <i>Journal of Quaternary Science</i> , 2012, 27, 297-306.	1.1	74
22	Glaciological constraints on protalus rampart development. <i>Permafrost and Periglacial Processes</i> , 1994, 5, 145-153.	1.5	70
23	Cosmogenic Cl-36 dating of postglacial landsliding at The Storr, Isle of Skye, Scotland. <i>Holocene</i> , 1998, 8, 347-351.	0.9	70
24	Evidence for a glacial readvance pre-dating the Loch Lomond Advance in Wester Ross. <i>Scottish Journal of Geology</i> , 1979, 15, 271-277.	0.1	67
25	Vertical dimensions and age of the Wicklow Mountains ice dome, Eastern Ireland, and implications for the extent of the last Irish Ice Sheet. <i>Quaternary Science Reviews</i> , 2006, 25, 2048-2058.	1.4	65
26	Late Holocene debris cone evolution in Glen Feshie, western Cairngorm Mountains, Scotland. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1989, 80, 17-24.	1.0	63
27	Talus accumulation and Rockwall retreat, Trotternish, Isle of Skye, Scotland. <i>Scottish Geographical Journal</i> , 1999, 115, 53-70.	0.4	63
28	A general model of autochthonous blockfield evolution. <i>Permafrost and Periglacial Processes</i> , 2010, 21, 289-300.	1.5	62
29	Exposure dating and reinterpretation of coarse debris accumulations (‘rock glaciers’) in the Cairngorm Mountains, Scotland. <i>Journal of Quaternary Science</i> , 2009, 24, 19-31.	1.1	61
30	Paraglacial debris-cone formation on recently deglaciated terrain, western Norway. <i>Holocene</i> , 1995, 5, 25-33.	0.9	59
31	Dimensions and deglacial chronology of the Outer Hebrides Ice Cap, northwest Scotland: implications of cosmic ray exposure dating. <i>Journal of Quaternary Science</i> , 2006, 21, 75-84.	1.1	59
32	Exposure-age constraints on the extent, timing and rate of retreat of the last Irish Sea ice stream. <i>Quaternary Science Reviews</i> , 2010, 29, 1844-1852.	1.4	59
33	The Development of Sorted Circles on Recently Deglaciated Terrain, Jotunheimen, Norway. <i>Arctic and Alpine Research</i> , 1982, 14, 341.	1.3	57
34	Landslides and slope failures in Scotland: A review. <i>Scottish Geographical Journal</i> , 1986, 102, 134-150.	0.4	57
35	The last ice sheet in Snowdonia. <i>Journal of Quaternary Science</i> , 2000, 15, 765-778.	1.1	56
36	The Donegal ice dome, northwest Ireland: dimensions and chronology. <i>Journal of Quaternary Science</i> , 2007, 22, 773-783.	1.1	56

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37	Readvance of the last British-Irish Ice Sheet during Greenland Interstade 1 (GI-1): the Wester Ross Readvance, NW Scotland. <i>Quaternary Science Reviews</i> , 2009, 28, 783-789.	1.4	56
38	Protales rampart development and the limits of former glaciers in the vicinity of Baosbheinn, Wester Ross. <i>Scottish Journal of Geology</i> , 1986, 22, 13-25.	0.1	55
39	Dimensions and chronology of the last ice sheet in Western Ireland. <i>Quaternary Science Reviews</i> , 2008, 27, 185-200.	1.4	54
40	Niveo-aeolian sand deposits on An Teallach, Wester Ross, Scotland. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1987, 78, 51-63.	1.0	53
41	The Late Quaternary glacial history of the Trotternish Escarpment, Isle of Skye, Scotland, and its implications for ice-sheet reconstruction. <i>Proceedings of the Geologists Association</i> , 1990, 101, 171-186.	0.6	52
42	Nunataks of the last ice sheet in northwest Scotland. <i>Boreas</i> , 1995, 24, 305-323.	1.2	51
43	Late Holocene floodplain incision and alluvial fan formation in the central Grampian Highlands, Scotland: chronology, environment and implications. <i>Journal of Quaternary Science</i> , 1999, 14, 651-671.	1.1	51
44	Chronology of glaciation and deglaciation during the Loch Lomond (Younger Dryas) Stadial in the Scottish Highlands: implications of recalibrated ^{10}Be exposure ages. <i>Boreas</i> , 2012, 41, 513-526.	1.2	51
45	Enhanced boulder weathering under late-lying snowpatches. <i>Earth Surface Processes and Landforms</i> , 1989, 14, 745-750.	1.2	50
46	Extent of the last ice sheet in northern Scotland tested with cosmogenic ^{10}Be exposure ages. <i>Journal of Quaternary Science</i> , 2008, 23, 101-107.	1.1	49
47	Desiccation Cracking and Sorted Polygon Development, Jotunheimen, Norway. <i>Arctic and Alpine Research</i> , 1983, 15, 339.	1.3	48
48	Periglacial trimlines, former nunataks and the altitude of the last ice sheet in Wester Ross, northwest Scotland. <i>Journal of Quaternary Science</i> , 1997, 12, 225-238.	1.1	48
49	A reinterpretation of the Lateglacial environmental history of the Isle of Skye, Inner Hebrides, Scotland. <i>Journal of Quaternary Science</i> , 1988, 3, 135-146.	1.1	47
50	Late Holocene erosion in upland Britain: climatic deterioration or human influence?. <i>Holocene</i> , 1991, 1, 81-85.	0.9	45
51	The structure and sedimentology of relict talus, Trotternish, northern Skye, Scotland. <i>Earth Surface Processes and Landforms</i> , 1998, 23, 545-560.	1.2	45
52	The vertical dimensions of Late Devensian glaciation on the mountains of Harris and southeast Lewis, Outer Hebrides, Scotland. <i>Journal of Quaternary Science</i> , 1995, 10, 211-223.	1.1	44
53	Loch Lomond Stadial glaciers in North Harris, Outer Hebrides, North-West Scotland: glacier reconstruction and palaeoclimatic implications. <i>Quaternary Science Reviews</i> , 2007, 26, 3134-3149.	1.4	44
54	Formation of miniature sorted patterns by shallow ground freezing: A field experiment. <i>Permafrost and Periglacial Processes</i> , 1996, 7, 409-424.	1.5	42

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55	Late Quaternary glaciation and environmental change on St. Kilda, Scotland, and their palaeoclimatic significance. <i>Boreas</i> , 1984, 13, 261-272.	1.2	42
56	Trimlines, blockfields and the vertical extent of the last ice sheet in southern Ireland. <i>Boreas</i> , 2015, 44, 277-287.	1.2	42
57	Glaciation and deglaciation of the SW Lake District, England: implications of cosmogenic ³⁶ Cl exposure dating. <i>Proceedings of the Geologists Association</i> , 2009, 120, 139-144.	0.6	41
58	Paraglacial Modification of Glacigenic Sediment. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1999, 81, 409-419.	0.6	41
59	The Holocene glacial history of LyngshalvÅrta, northern Norway: chronology and climatic implications. <i>Boreas</i> , 1990, 19, 93-117.	1.2	40
60	Gibbsitic soils on former nunataks: implications for ice sheet reconstruction. <i>Journal of Quaternary Science</i> , 1994, 9, 73-80.	1.1	39
61	Some Observations on the Morphology and Sedimentology of Two Active Protalus Ramparts, Lyngen, Northern Norway. <i>Arctic and Alpine Research</i> , 1987, 19, 167.	1.3	38
62	Holocene geomorphic activity in the Scottish Highlands. <i>Scottish Geographical Journal</i> , 1991, 107, 84-98.	0.4	38
63	Maximum altitude of Late Devensian glaciation on the Isle of Mull and Isle of Jura. <i>Scottish Journal of Geology</i> , 1999, 35, 97-106.	0.1	37
64	Measurement and theory of ploughing boulder movement. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 267-288.	1.5	36
65	The Loch Lomond Readvance on north Arran, Scotland: glacier reconstruction and palaeoclimatic implications. <i>Journal of Quaternary Science</i> , 2007, 22, 343-359.	1.1	35
66	Cosmogenic exposure age constraints on deglaciation and flow behaviour of a marine-based ice stream in western Scotland, 21â€“16Åka. <i>Quaternary Science Reviews</i> , 2017, 167, 30-46.	1.4	35
67	Palaeonunataks and the altitude of the last ice sheet in the SW Lake District, England. <i>Proceedings of the Geologists Association</i> , 1998, 109, 305-316.	0.6	33
68	The surface geometry of the Last Glacial Maximum ice sheet in the AndÃyaâ€“SkÃnland region, northern Norway, constrained by surface exposure dating and clay mineralogy. <i>Boreas</i> , 2007, 36, 227-239.	1.2	33
69	Scottish landform examples â€” 10: The tors of the Cairngorms. <i>Scottish Geographical Journal</i> , 1994, 110, 54-59.	0.4	32
70	Lateglacial Rock-Slope Failures in the Scottish Highlands. <i>Scottish Geographical Journal</i> , 2013, 129, 67-84.	0.4	32
71	The Last Scottish Ice Sheet. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2019, 110, 93-131.	0.3	32
72	Aeolian deposits on a Scottish mountain summit: characteristics, provenance, history and significance. <i>Earth Surface Processes and Landforms</i> , 1998, 23, 625-641.	1.2	31

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73	Lateglacial rock slope failures in north-west Ireland: age, causes and implications. <i>Journal of Quaternary Science</i> , 2013, 28, 789-802.	1.1	31
74	Periglacial trimlines and the extent of the Kerry-Cork Ice Cap, SW Ireland. <i>Quaternary Science Reviews</i> , 2011, 30, 3834-3845.	1.4	30
75	Deglaciation chronology of the Galloway Hills Ice Centre, southwest Scotland. <i>Journal of Quaternary Science</i> , 2013, 28, 412-420.	1.1	30
76	Avalanche impact landforms on Ben Nevis, Scotland. <i>Scottish Geographical Journal</i> , 1989, 105, 38-42.	0.4	29
77	Maximum altitude of Devensian glaciation on the Isle of Skye. <i>Scottish Journal of Geology</i> , 1996, 32, 107-115.	0.1	29
78	Beinn Fhada, Kintail: An example of large-scale paraglacial rock slope deformation. <i>Scottish Geographical Journal</i> , 2002, 118, 59-68.	0.4	29
79	Age and significance of former low-altitude corrie glaciers on Hoy, Orkney Islands. <i>Scottish Journal of Geology</i> , 2007, 43, 107-114.	0.1	29
80	Rock-slope failure at Baosbheinn, Wester Ross, NW Scotland: age and interpretation. <i>Scottish Journal of Geology</i> , 2009, 45, 177-181.	0.1	29
81	Talus structure and evolution on sandstone mountains in NW Scotland. <i>Holocene</i> , 2009, 19, 477-486.	0.9	28
82	Studies on a Gelifluction Lobe, Jotunheimen, Norway: 14 C Chronology, Stratigraphy, Sedimentology and Palaeoenvironment. <i>Geografiska Annaler, Series A: Physical Geography</i> , 1986, 68, 345.	0.6	26
83	The altitude of the last ice sheet in Caithness and east Sutherland, northern Scotland. <i>Scottish Journal of Geology</i> , 2008, 44, 169-181.	0.1	26
84	Talus rock glaciers in Scotland: Characteristics and controls on formation. <i>Scottish Geographical Journal</i> , 1996, 112, 138-146.	0.4	25
85	Loch Lomond Stadial Glaciers in the Uig Hills, Western Lewis, Scotland. <i>Scottish Geographical Journal</i> , 2006, 122, 256-273.	0.4	24
86	A 35-Year Record of Solifluction in a Maritime Periglacial Environment. <i>Permafrost and Periglacial Processes</i> , 2013, 24, 56-66.	1.5	24
87	Catastrophic Rock-Slope Failures in NW Scotland: Quantitative Analysis and Implications. <i>Scottish Geographical Journal</i> , 2016, 132, 185-209.	0.4	24
88	Nivation landforms and snowpatch erosion on two massifs in the Northern Highlands of Scotland. <i>Scottish Geographical Journal</i> , 1985, 101, 40-49.	0.4	23
89	Use of the schmidt test hammer to detect enhanced boulder weathering under late-lying snowpatches. <i>Earth Surface Processes and Landforms</i> , 1990, 15, 471-474.	1.2	21
90	Scottish landform examples 2: The landslides of Trotternish, Isle of Skye. <i>Scottish Geographical Journal</i> , 1991, 107, 130-135.	0.4	21

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91	Use of environmental magnetic measurements to validate the vertical extent of ice masses at the Last Glacial Maximum. <i>Journal of Quaternary Science</i> , 2002, 17, 193-200.	1.1	21
92	Age and significance of aeolian sediment reworking on high plateaux in the Scottish Highlands. <i>Holocene</i> , 2007, 17, 349-360.	0.9	21
93	Age and Origin of Blockfields on Scottish Mountains. <i>Scottish Geographical Journal</i> , 2014, 130, 116-141.	0.4	21
94	The structure and sedimentology of relict talus, Knockan, Assynt, N.W. Scotland. <i>Scottish Geographical Journal</i> , 1997, 113, 82-89.	0.4	19
95	Maximum altitude of Late Devensian glaciation on South Uist, Outer Hebrides, Scotland. <i>Proceedings of the Geologists Association</i> , 2001, 112, 155-167.	0.6	19
96	The Last Irish Ice Sheet: Extent and Chronology. , 2017, , 101-149.		19
97	Late Flandrian solifluction on the Fannich mountains, Ross-shire. <i>Scottish Journal of Geology</i> , 1986, 22, 395-406.	0.1	18
98	Maximum altitude of the Late Devensian ice sheet on the Isle of Rum. <i>Scottish Journal of Geology</i> , 1997, 33, 183-186.	0.1	17
99	A Scottish sturzstrom: The Beinn Alligin rock avalanche, Wester Ross. <i>Scottish Geographical Journal</i> , 2003, 119, 159-167.	0.4	17
100	The sorted stone stripes of Tingo Hill. <i>Scottish Geographical Journal</i> , 2001, 117, 313-324.	0.4	15
101	Winter-talus ridges, nivation ridges, and pro-talus ramparts. <i>Journal of Glaciology</i> , 1987, 33, 246-247.	1.1	14
102	Winter-talus ridges, nivation ridges, and pro-talus ramparts. <i>Journal of Glaciology</i> , 1987, 33, 246-247.	1.1	14
103	Deglaciation chronology of the Donegal Ice Centre, north-west Ireland. <i>Journal of Quaternary Science</i> , 2019, 34, 16-28.	1.1	14
104	Rock slope failure and debris flow, Gleann na Guiserein, Knoydart: Comment and Reply. <i>Scottish Journal of Geology</i> , 1992, 28, 77-80.	0.1	13
105	The deglaciation of the western sector of the Irish Ice Sheet from the inner continental shelf to its terrestrial margin. <i>Boreas</i> , 2020, 49, 438-460.	1.2	13
106	“Pro-talus ramparts”™ on Navajo Mountain, Utah, USA: reinterpretation as blockslope-sourced rock glaciers. <i>Permafrost and Periglacial Processes</i> , 2006, 17, 179-187.	1.5	12
107	Scottish landform example 38: The windblown sands of An Teallach. <i>Scottish Geographical Journal</i> , 2006, 122, 149-159.	0.4	12
108	Footpath morphology and terrain sensitivity on high plateaux: the Mamore Mountains, Western Highlands of Scotland. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 40-54.	1.2	12

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109	Earth Hummocks in West Dartmoor, SW England: Characteristics, Age and Origin. Permafrost and Periglacial Processes, 2012, 23, 152-161.	1.5	12
110	After the ice: Lateglacial and Holocene landforms and landscape evolution in Scotland. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2019, 110, 133-171.	0.3	12
111	Late Quaternary glaciation in the Hebrides sector of the continental shelf: cosmogenic nuclide dating of glacial events on the St Kilda archipelago. Boreas, 2017, 46, 605-621.	1.2	11
112	A Loch Lomond Readvance Glacier in Duirinish, NW Skye. Scottish Journal of Geology, 1994, 30, 183-186.	0.1	10
113	An Teallach: A late Devensian Nunatak in Wester Ross. Scottish Geographical Journal, 1999, 115, 249-259.	0.4	10
114	The conachair protalus Rampart, St Kilda. Scottish Geographical Journal, 2002, 118, 343-350.	0.4	10
115	The coastal landslides of Shetland. Scottish Geographical Journal, 2018, 134, 71-96.	0.4	10
116	A late Devensian Nunatak on the Knoydart peninsula, NW Scotland: Implications for ice-sheet reconstruction. Scottish Geographical Journal, 1999, 115, 319-328.	0.4	9
117	Exploring controls of the early and stepped deglaciation on the western margin of the British Irish Ice Sheet. Journal of Quaternary Science, 2021, 36, 833-870.	1.1	9
118	Landslides and slope failures in Scotland: A review. Scottish Geographical Journal, 1986, 102, 134-150.	0.4	9
119	Glacially moulded landslide runout debris in the Scottish Highlands. Scottish Geographical Journal, 2018, 134, 224-236.	0.4	8
120	Studies on a Gelifluction Lobe, Jotunheimen, Norway: ¹⁴ C Chronology, Stratigraphy, Sedimentology and Palaeoenvironment. Geografiska Annaler, Series A: Physical Geography, 1986, 68, 345-360.	0.6	5
121	Scottish landform examples 45: Sgriob na Caillich: a landslide-sourced medial moraine on the Isle of Jura. Scottish Geographical Journal, 2019, 135, 139-149.	0.4	5
122	Scotland's Changing Landscape. World Geomorphological Landscapes, 2021, , 97-114.	0.1	4
123	The Quaternary in Scotland. World Geomorphological Landscapes, 2021, , 53-96.	0.1	4
124	Assessment of terrain sensitivity on high plateaux: a novel approach based on vegetation and substrate characteristics in the Scottish Highlands. Plant Ecology and Diversity, 2016, 9, 219-235.	1.0	2
125	<i>The Scenery of Scotland</i> revisited: retrospective assessment of a classic geomorphological text. Scottish Geographical Journal, 2021, 137, 228-250.	0.4	2
126	Advances in periglacial geomorphology. Quaternary Science Reviews, 1989, 8, 201-202.	1.4	1

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127	Periglacial and paraglacial processes and environments - Edited by J Knight and S Harrison. Area, 2011, 43, 236-237.	1.0	1
128	Scottish landform examples 44: the Dirc MhÀ²r meltwater gorge. Scottish Geographical Journal, 2017, 133, 233-244.	0.4	1
129	Rock-Slope Failures in the North West Highlands. World Geomorphological Landscapes, 2021, , 271-287.	0.1	1
130	The Gordon Warwick Award 1990. Earth Surface Processes and Landforms, 1991, 16, 289-290.	1.2	0
131	The Far Northwest: Sutherland, Assynt and Coigach. World Geomorphological Landscapes, 2021, , 233-250.	0.1	0
132	The Islands of the Hebridean Igneous Province: Skye, Mull, RÀ¹m and Arran. World Geomorphological Landscapes, 2021, , 193-217.	0.1	0
133	The Islands of Islay, Jura, Colonsay, Tiree and Coll. World Geomorphological Landscapes, 2021, , 219-232.	0.1	0
134	Upland Landscapes and Landforms of the Southern Uplands. World Geomorphological Landscapes, 2021, , 453-465.	0.1	0
135	Wester Ross. World Geomorphological Landscapes, 2021, , 251-269.	0.1	0