David E Sugden

List of Publications by Year
in descending order

73 papers	3,756 citations	126708 33 h-index	128067 60 g-index
76 all docs	76 docs citations	76 times ranked	2731 citing authors

#	Article	IF	Citations
1	Blue-ice moraines formation in the Heritage Range, West Antarctica: Implications for ice sheet history and climate reconstruction. Quaternary Science Advances, 2022, 6, 100051.	1.1	4
2	Antarctic blue-ice moraines: Analogue for Northern Hemisphere ice sheets?. Quaternary Science Reviews, 2020, 249, 106620.	1.4	7
3	Climate emergency: lessons from the Covid-19 emergency?. Scottish Geographical Journal, 2020, 136, 49-56.	0.4	1
4	Testing and application of a model for snow redistribution (Snow_Blow) in the Ellsworth Mountains, Antarctica. Journal of Glaciology, 2019, 65, 957-970.	1.1	8
5	Major Ice Sheet Change in the Weddell Sea Sector of West Antarctica Over the Last 5,000 Years. Reviews of Geophysics, 2019, 57, 1197-1223.	9.0	18
6	Radarâ€Detected Englacial Debris in the West Antarctic Ice Sheet. Geophysical Research Letters, 2019, 46, 10454-10462.	1.5	18
7	Plucking enhanced beneath ice sheet margins: evidence from the Grampian Mountains, Scotland. Geografiska Annaler, Series A: Physical Geography, 2019, 101, 34-44.	0.6	5
8	The pre-glacial landscape of Antarctica. Scottish Geographical Journal, 2018, 134, 203-223.	0.4	13
9	The million-year evolution of the glacial trimline in the southernmost Ellsworth Mountains, Antarctica. Earth and Planetary Science Letters, 2017, 469, 42-52.	1.8	26
10	Controls on Last Glacial Maximum ice extent in the Weddell Sea embayment, Antarctica. Journal of Geophysical Research F: Earth Surface, 2017, 122, 371-397.	1.0	24
11	Interannual surface evolution of an Antarctic blue-ice moraine using multi-temporal DEMs. Earth Surface Dynamics, 2016, 4, 515-529.	1.0	35
12	Evidence for the stability of the West Antarctic Ice Sheet divide for 1.4 million years. Nature Communications, 2016, 7, 10325.	5.8	31
13	Mid-Holocene pulse of thinning in the Weddell Sea sector of the West Antarctic ice sheet. Nature Communications, 2016, 7, 12511.	5.8	39
14	Assessing the continuity of the blue ice climate record at Patriot Hills, Horseshoe Valley, West Antarctica. Geophysical Research Letters, 2016, 43, 2019-2026.	1.5	24
15	Late readvance and rapid final deglaciation of the last ice sheet in the Grampian Mountains, Scotland. Journal of Quaternary Science, 2016, 31, 869-878.	1.1	13
16	Sedimentological characterization of Antarctic moraines using UAVs and Structure-from-Motion photogrammetry. Journal of Glaciology, 2015, 61, 1088-1102.	1.1	60
17	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. Quaternary Science Reviews, 2014, 100, 1-9.	1.4	228
18	Reconstruction of changes in the Weddell Sea sector of the Antarctic Ice Sheet since the Last Glacial Maximum. Quaternary Science Reviews, 2014, 100, 111-136.	1.4	85

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19	Geological scatter of cosmogenic-nuclide exposure ages in the Shackleton Range, Antarctica: Implications for glacial history. Quaternary Geochronology, 2014, 19, 52-66.	0.6	17
20	James Croll (1821â€“1890): ice, ice ages and the Antarctic connection. Antarctic Science, 2014, 26, 604-613.	0.5	10
21	Climate change and Scotland: recent trends and impacts. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2012, 103, 133-147.	0.3	18
22	Introduction: Facing up to climate change. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2012, 103, 123-123.	0.3	2
23	Multi-level governance: opportunities and barriers in moving to a low-carbon Scotland. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2012, 103, 175-186.	0.3	5
24	Do blue-ice moraines in the Heritage Range show the West Antarctic ice sheet survived the last interglacial?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 335-336, 61-70.	1.0	36
25	Glacial/interglacial ice-stream stability in the Weddell Sea embayment, Antarctica. Earth and Planetary Science Letters, 2011, 307, 211-221.	1.8	50
26	Deglacial history of the West Antarctic Ice Sheet in the Weddell Sea embayment: Constraints on past ice volume change: REPLY. Geology, 2011, 39, e240-e240.	2.0	8
27	Deglacial history of the West Antarctic Ice Sheet in the Weddell Sea embayment: Constraints on past ice volume change. Geology, 2010, 38, 411-414.	2.0	138
28	The evolution of the subglacial landscape of Antarctica. Earth and Planetary Science Letters, 2010, 293, 1-27.	1.8	115
29	The chronology of the Last Glacial Maximum and deglacial events in central Argentine Patagonia. Quaternary Science Reviews, 2010, 29, 1212-1227.	1.4	123
30	Mass balance, flow and subglacial processes of a modelled Younger Dryas ice cap in Scotland. Journal of Glaciology, 2009, 55, 32-42.	1.1	20
31	The Gamburtsev mountains and the origin and early evolution of the Antarctic Ice Sheet. Nature, 2009, 459, 690-693.	13.7	150
32	Cosmogenic 10Be and 26Al exposure ages of tors and erratics, Cairngorm Mountains, Scotland: Timescales for the development of a classic landscape of selective linear glacial erosion. Geomorphology, 2006, 73, 222-245.	1.1	141
33	Geological and geomorphological insights into Antarctic ice sheet evolution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 1607-1625.	1.6	43
34	Meltwater features that suggest miocene iceâ€sheet overriding of the transantarctic mountains in victoria land, antarctica. Geografiska Annaler, Series A: Physical Geography, 2005, 87, 67-85.	0.6	80
35	Selective glacial erosion and weathering zones in the coastal mountains of Marie Byrd Land, Antarctica. Geomorphology, 2005, 67, 317-334.	1.1	108
36	Cenozoic landscape evolution of the Convoy Range to Mackay Glacier area, Transantarctic Mountains: Onshore to offshore synthesis. Bulletin of the Geological Society of America, 2004, 116, 840.	1.6	124

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37	Holocene Deglaciation of Marie Byrd Land, West Antarctica. Science, 2003, 299, 99-102.	6.0	232
38	An approach to modelling the impact of snow drift on glaciation in the Cairngorm Mountains, Scotland. Journal of Quaternary Science, 1999, 14, 313-321.	1.1	19
39	Dynamics of mountain ice caps during glacial cycles: the case of Patagonia. Annals of Glaciology, 1997, 24, 81-89.	2.8	22
40	Dynamics of mountain ice caps during glacial cycles: the case of Patagonia. Annals of Glaciology, 1997, 24, 81-89.	2.8	24
41	Reflections on the Research Assessment Exercise. Area, 1997, 29, 367-368.	1.0	3
42	Editorial: Linking Short-term Geomorphic Processes to Landscape Evolution. Earth Surface Processes and Landforms, 1997, 22, 193-194.	1.2	13
43	Editorial: Linking Short-term Geomorphic Processes to Landscape Evolution. , 1997, 22, 193.		2
44	Preservation of Miocene glacier ice in East Antarctica. Nature, 1995, 376, 412-414.	13.7	225
45	Modelling mass balance on former maritime ice caps: a Patagonian example. Annals of Glaciology, 1995, 21, 304-310.	2.8	23
46	Landscape evolution of the Dry Valleys, Transantarctic Mountains: Tectonic implications. Journal of Geophysical Research, 1995, 100, 9949-9968.	3.3	103
47	Modelling mass balance on former maritime ice caps: a Patagonian example. Annals of Glaciology, 1995, 21, 304-310.	2.8	3
48	Ice flow around large obstacles as indicated by basal ice exposed at the margin of the Greenland ice sheet. Journal of Glaciology, 1994, 40, 359-367.	1.1	38
49	Glacier Modeling and the Climate of Patagonia during the Last Glacial Maximum. Quaternary Research, 1994, 42, 1-19.	1.0	115
50	Ice flow around large obstacles as indicated by basal ice exposed at the margin of the Greenland ice sheet. Journal of Glaciology, 1994, 40, 359-367.	1.1	6
51	The Patagonian Icefields: A Glaciological Review. Arctic and Alpine Research, 1993, 25, 316.	1.3	159
52	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 155-204.	0.6	101
53	Glacial Marine Sedimentation: Paleoclimatic Significance. John B. Anderson and Gail M. Ashley (Editors). 1991. Boulder: Geological Society of America (Special Paper 261). viii + 232 p, illustrated, soft cover. ISBN 0-8137-2261-6. US$47.50.. Polar Record, 1993, 29, 340-341.	0.4	0
54	The Case for a Stable East Antarctic Ice Sheet: The Background. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 151-154.	0.6	40

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55	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 303-330.	0.6	57
56	The Case for a Stable East Antarctic Ice Sheet: The Background. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 151.	0.6	40
57	East Antarctic Ice Sheet Sensitivity to Pliocene Climatic Change from a Dry Valleys Perspective. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 155.	0.6	96
58	Miocene Glacial Stratigraphy and Landscape Evolution of the Western Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 303.	0.6	53
59	Experience in one Scottish department. Journal of Geography in Higher Education, 1992, 16, 101-102.	1.4	0
60	Antarctic ice sheets at risk?. Nature, 1992, 359, 775-776.	13.7	27
61	Geochemical stability of fine-grained silicic Holocene tephra in Iceland and Scotland. Journal of Quaternary Science, 1992, 7, 173-183.	1.1	130
62	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1991, 73, 109-121.	0.6	36
63	Do the anomalous fluctuations of SÃ³lheimajÃ¶kull reflect iceâ€divide migration?. Boreas, 1991, 20, 105-113.	1.2	34
64	Subglacial Meltwater Channel Systems and Ice Sheet Overriding, Asgard Range, Antarctica. Geografiska Annaler, Series A: Physical Geography, 1991, 73, 109.	0.6	33
65	Topography and ice sheet growth. Earth Surface Processes and Landforms, 1990, 15, 625-639.	1.2	63
66	Climate and the Initiation of Maritime Ice Sheets. Annals of Glaciology, 1990, 14, 232-237.	2.8	1
67	Climate and the Initiation of Maritime Ice Sheets. Annals of Glaciology, 1990, 14, 232-237.	2.8	11
68	Late-Glacial and Holocene Glacier Fluctuations and Environmental Change on South Georgia, Southern Ocean. Quaternary Research, 1989, 31, 210-228.	1.0	88
69	Stable Isotopes and Debris in Basal Glacier Ice, South Georgia, Southern Ocean. Journal of Glaciology, 1987, 33, 324-329.	1.1	17
70	Stable Isotopes and Debris in Basal Glacier Ice, South Georgia, Southern Ocean. Journal of Glaciology, 1987, 33, 324-329.	1.1	14
71	Limited modification of mid-latitude landscapes by ice sheets: The case of northeast Scotland. Earth Surface Processes and Landforms, 1987, 12, 531-542.	1.2	98
72	Changing Glaciers and their Role in Earth Surface Evolution. , 0, , 187-191.		0

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73	On the thickness of the Antarctic ice, and its relations to that of the glacial epoch. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 0, , 1-8.	0.3	2