

Sarah Greenwood

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,580
citations

218662

26
h-index

189881

50
g-index

57
all docs

57
docs citations

57
times ranked

2376
citing authors

#	ARTICLE	IF	CITATIONS
1	European Ice Sheet Complex evolution during the Last Glacial Maximum (29â€“19 ka). , 2022, , 361-372.		1
2	Glacial landscapes of Fennoscandia. , 2022, , 37-43.		1
3	The European Ice Sheet Complex. , 2022, , 29-36.		0
4	A 725â€“year integrated offshore terrestrial varve chronology for southeastern Sweden suggests rapid ice retreat ~15 ka BP. Boreas, 2021, 50, 477-496.	2.4	7
5	Recent progress on combining geomorphological and geochronological data with ice sheet modelling, demonstrated using the last Britishâ€“Irish Ice Sheet. Journal of Quaternary Science, 2021, 36, 946-960.	2.1	20
6	Exceptions to bed-controlled ice sheet flow and retreat from glaciated continental margins worldwide. Science Advances, 2021, 7, .	10.3	19
7	Topographic Controls on Channelized Meltwater in the Subglacial Environment. Geophysical Research Letters, 2021, 48, e2021GL094678.	4.0	6
8	Geothermal evidence for groundwater flow through Quaternary sediments overlying bedrock aquifers below Lake VÃttern, Sweden. Gff, 2019, 141, 106-120.	1.2	1
9	Bathymetric properties of the Baltic Sea. Ocean Science, 2019, 15, 905-924.	3.4	28
10	Seismic and geomorphic records of Antarctic Ice Sheet evolution in the Ross Sea and controlling factors in its behaviour. Geological Society Special Publication, 2019, 475, 223-240.	1.3	11
11	A chronology of environmental changes in the Lake VÃttern basin from deglaciation to its final isolation. Boreas, 2018, 47, 609-624.	2.4	12
12	<scp>BRITICE</scp> Glacial Map, version 2: a map and <scp>GIS</scp> database of glacial landforms of the last Britishâ€“Irish Ice Sheet. Boreas, 2018, 47, 11.	2.4	107
13	Diagnosing ice sheet grounding line stability from landform morphology. Cryosphere, 2018, 12, 2707-2726.	3.9	29
14	Subglacial water storage and drainage beneath the Fennoscandian and Barents Sea ice sheets. Quaternary Science Reviews, 2018, 201, 13-28.	3.0	23
15	Holocene reconfiguration and readvance of the East Antarctic Ice Sheet. Nature Communications, 2018, 9, 3176.	12.8	36
16	Mineral dust as a driver of carbon accumulation in northern latitudes. Scientific Reports, 2018, 8, 6876.	3.3	26
17	HÃasseldala â€“ a key site for Last Termination climate events in northern Europe. Boreas, 2017, 46, 143-161.	2.4	24
18	The Bothnian Sea ice stream: early Holocene retreat dynamics of the southâ€“central Fennoscandian Ice Sheet. Boreas, 2017, 46, 346-362.	2.4	39

#	ARTICLE	IF	CITATIONS
19	Anatomy of a meltwater drainage system beneath the ancestral East Antarctic ice sheet. <i>Nature Geoscience</i> , 2017, 10, 691-697.	12.9	58
20	Antarctic ice dynamics in warm climates. <i>Nature</i> , 2017, 552, 183-184.	27.8	0
21	Past ice-sheet behaviour: retreat scenarios and changing controls in the Ross Sea, Antarctica. <i>Cryosphere</i> , 2016, 10, 1003-1020.	3.9	91
22	Controls on the early Holocene collapse of the Bothnian Sea Ice Stream. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 2494-2513.	2.8	6
23	Enigmatic ridges in Lake Vättern, Sweden. <i>Geological Society Memoir</i> , 2016, 46, 117-118.	1.7	0
24	Ice-flow and meltwater landform assemblages in the Gulf of Bothnia. <i>Geological Society Memoir</i> , 2016, 46, 321-324.	1.7	6
25	Glacial landform assemblage reveals complex retreat of grounded ice in the Ross Sea, Antarctica. <i>Geological Society Memoir</i> , 2016, 46, 353-356.	1.7	9
26	Esker systems in the Gulf of Bothnia. <i>Geological Society Memoir</i> , 2016, 46, 209-210.	1.7	4
27	Drumlins in the Gulf of Bothnia. <i>Geological Society Memoir</i> , 2016, 46, 197-198.	1.7	5
28	Postglacial tectonic structures and mass wasting in Lake Vättern, southern Sweden. <i>Geological Society Memoir</i> , 2016, 46, 119-120.	1.7	2
29	Potentials and problems of building detailed dust records using peat archives: An example from Store Mosse (the "Great Bog"), Sweden. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 156-174.	3.9	39
30	Timing of the first drainage of the Baltic Ice Lake synchronous with the onset of Greenland Stadial 1. <i>Boreas</i> , 2016, 45, 322-334.	2.4	27
31	Glacial landforms in a hard bedrock terrain, Melville Bay, northwestern Greenland. <i>Geological Society Memoir</i> , 2016, 46, 201-202.	1.7	2
32	Theoretical, contemporary observational and palaeo-perspectives on ice sheet hydrology: Processes and products. <i>Earth-Science Reviews</i> , 2016, 155, 1-27.	9.1	61
33	Do subglacial bedforms comprise a size and shape continuum?. <i>Geomorphology</i> , 2016, 257, 108-119.	2.6	85
34	Regional deglaciation and postglacial lake development as reflected in a 74m sedimentary record from Lake Vättern, southern Sweden. <i>Gff</i> , 2016, 138, 336-354.	1.2	15
35	Geotechnical and sedimentary evidence for thick-grounded ice in southern Lake Vättern during deglaciation. <i>Gff</i> , 2016, 138, 355-366.	1.2	8
36	Multiple readvances of a Lake Vättern outlet glacier during Fennoscandian Ice Sheet retreat, south-central Sweden. <i>Boreas</i> , 2015, 44, 619-637.	2.4	25

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37	Integrated use of LiDAR and multibeam bathymetry reveals onset of ice streaming in the northern Bothnian Sea. <i>Gff</i> , 2015, 137, 284-292.	1.2	15
38	Manual mapping of drumlins in synthetic landscapes to assess operator effectiveness. <i>Journal of Maps</i> , 2015, 11, 719-729.	2.0	29
39	High resolution mapping of offshore and onshore glaciogenic features in metamorphic bedrock terrain, Melville Bay, northwestern Greenland. <i>Geomorphology</i> , 2015, 250, 29-40.	2.6	19
40	Rapid Holocene thinning of an East Antarctic outlet glacier driven by marine ice sheet instability. <i>Nature Communications</i> , 2015, 6, 8910.	12.8	70
41	Major earthquake at the Pleistocene-Holocene transition in Lake Vättern, southern Sweden. <i>Geology</i> , 2014, 42, 379-382.	4.4	46
42	Ross Sea paleo-ice sheet drainage and deglacial history during and since the LGM. <i>Quaternary Science Reviews</i> , 2014, 100, 31-54.	3.0	145
43	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	3.0	228
44	Seabed corrugations beneath an Antarctic ice shelf revealed by autonomous underwater vehicle survey: Origin and implications for the history of Pine Island Glacier. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1356-1366.	2.8	46
45	Ice-flow switching and East/West Antarctic Ice Sheet roles in glaciation of the western Ross Sea. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1736-1749.	3.3	45
46	Pattern and timing of retreat of the last British-Irish Ice Sheet. <i>Quaternary Science Reviews</i> , 2012, 44, 112-146.	3.0	412
47	Dating constraints on the last British-Irish Ice Sheet: a map and database. <i>Journal of Maps</i> , 2011, 7, 156-184.	2.0	41
48	Last glacial ice-crafted debris off southwestern Europe: the role of the British-Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2010, 25, 689-699.	2.1	22
49	The sensitivity of subglacial bedform size and distribution to substrate lithological control. <i>Sedimentary Geology</i> , 2010, 232, 130-144.	2.1	25
50	Glacial landforms of extreme size in the Keewatin sector of the Laurentide Ice Sheet. <i>Quaternary Science Reviews</i> , 2010, 29, 1894-1910.	3.0	35
51	Size and shape characteristics of drumlins, derived from a large sample, and associated scaling laws. <i>Quaternary Science Reviews</i> , 2009, 28, 677-692.	3.0	192
52	Reconstructing the last Irish Ice Sheet 1: changing flow geometries and ice flow dynamics deciphered from the glacial landform record. <i>Quaternary Science Reviews</i> , 2009, 28, 3085-3100.	3.0	107
53	Reconstructing the last Irish Ice Sheet 2: a geomorphologically-driven model of ice sheet growth, retreat and dynamics. <i>Quaternary Science Reviews</i> , 2009, 28, 3101-3123.	3.0	116
54	Subglacial bedforms of the Irish Ice Sheet. <i>Journal of Maps</i> , 2008, 4, 332-357.	2.0	59

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55	Formalising an inversion methodology for reconstructing ice-sheet retreat patterns from meltwater channels: application to the British Ice Sheet. <i>Journal of Quaternary Science</i> , 2007, 22, 637-645.	2.1	93
56	Palaeoglaciology of the Last British-irish Ice Sheet: Challenges and Some Recent Developments. , 0, , 248-264.		2