

Alison Banwell

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,449
citations

304743

22
h-index

345221

36
g-index

52
all docs

52
docs citations

52
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Supervised classification of slush and ponded water on Antarctic ice shelves using Landsat 8 imagery. <i>Journal of Glaciology</i> , 2022, 68, 401-414.	2.2	13
2	Supervised classification of slush and ponded water on Antarctic ice shelves using Landsat 8 imagery â€“ CORRIGENDUM. <i>Journal of Glaciology</i> , 2022, 68, 415-416.	2.2	2
3	The 32-year record-high surface melt in 2019/2020 on the northern George VI Ice Shelf, Antarctic Peninsula. <i>Cryosphere</i> , 2021, 15, 909-925.	3.9	32
4	Treatment of ice-shelf evolution combining flow and flexure. <i>Journal of Glaciology</i> , 2021, 67, 885-902.	2.2	5
5	Contrasting regional variability of buried meltwater extent over 2 years across the Greenland Ice Sheet. <i>Cryosphere</i> , 2021, 15, 2983-3005.	3.9	15
6	Over-winter persistence of supraglacial lakes on the Greenland Ice Sheet: results and insights from a new model. <i>Journal of Glaciology</i> , 2020, 66, 362-372.	2.2	15
7	Observations of Buried Lake Drainage on the Antarctic Ice Sheet. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087970.	4.0	25
8	Diurnal lake-level cycles on ice shelves driven by meltwater input and ocean tidal tilt. <i>Journal of Glaciology</i> , 2020, 66, 231-247.	2.2	3
9	Lateral meltwater transfer across an Antarctic ice shelf. <i>Cryosphere</i> , 2020, 14, 2313-2330.	3.9	26
10	A Speed Limit on Ice Shelf Collapse Through Hydrofracture. <i>Geophysical Research Letters</i> , 2019, 46, 12092-12100.	4.0	58
11	Formation of pedestalled, relict lakes on the McMurdo Ice Shelf, Antarctica. <i>Journal of Glaciology</i> , 2019, 65, 337-343.	2.2	8
12	The Antarctic Peninsula Under a 1.5Â°C Global Warming Scenario. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	117
13	Direct measurements of ice-shelf flexure caused by surface meltwater ponding and drainage. <i>Nature Communications</i> , 2019, 10, 730.	12.8	48
14	Diurnal seismicity cycle linked to subsurface melting on an ice shelf. <i>Annals of Glaciology</i> , 2019, 60, 137-157.	1.4	19
15	Antarctic surface hydrology and impacts on ice-sheet mass balance. <i>Nature Climate Change</i> , 2018, 8, 1044-1052.	18.8	112
16	Seasonal evolution of supraglacial lakes on a floating ice tongue, Petermann Glacier, Greenland. <i>Annals of Glaciology</i> , 2018, 59, 56-65.	1.4	30
17	Dual-satellite (Sentinel-2 and LandsatÂ8) remote sensing of supraglacial lakes in Greenland. <i>Cryosphere</i> , 2018, 12, 3045-3065.	3.9	49
18	Controls on rapid supraglacial lake drainage in West Greenland: an Exploratory Data Analysis approach. <i>Journal of Glaciology</i> , 2018, 64, 208-226.	2.2	16

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19	Ice-shelf stability questioned. <i>Nature</i> , 2017, 544, 306-307.	27.8	14
20	A Fully Automated Supraglacial lake area and volume Tracking (â€œFASTâ€) algorithm: Development and application using MODIS imagery of West Greenland. <i>Remote Sensing of Environment</i> , 2017, 196, 113-133.	11.0	48
21	Calving and rifting on the McMurdo Ice Shelf, Antarctica. <i>Annals of Glaciology</i> , 2017, 58, 78-87.	1.4	24
22	Moulin density controls drainage development beneath the Greenland ice sheet. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 2248-2269.	2.8	62
23	Ice-shelf fracture due to viscoelastic flexure stress induced by fill/drain cycles of supraglacial lakes. <i>Antarctic Science</i> , 2015, 27, 587-597.	0.9	41
24	A model of viscoelastic ice-shelf flexure. <i>Journal of Glaciology</i> , 2015, 61, 635-645.	2.2	29
25	High-resolution modelling of the seasonal evolution of surface water storage on the Greenland Ice Sheet. <i>Cryosphere</i> , 2014, 8, 1149-1160.	3.9	44
26	Supraglacial lakes on the Larsen B ice shelf, Antarctica, and at Paakitsoq, West Greenland: a comparative study. <i>Annals of Glaciology</i> , 2014, 55, 1-8.	1.4	57
27	Annual to Daily Ice Velocity and Water Pressure Variations on Ka Roimata o Hine Hukatere (Franz Josef) Tj ETQq1 1_0,784314,rgBT /O	1.1	7
28	Modeling the response of subglacial drainage at Paakitsoq, west Greenland, to 21 st century climate change. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2619-2634.	2.8	9
29	Breakup of the Larsen B Ice Shelf triggered by chain reaction drainage of supraglacial lakes. <i>Geophysical Research Letters</i> , 2013, 40, 5872-5876.	4.0	177
30	Modeling subglacial water routing at Paakitsoq, W Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1282-1295.	2.8	59
31	Ice dynamic response to two modes of surface lake drainage on the Greenland ice sheet. <i>Environmental Research Letters</i> , 2013, 8, 034007.	5.2	88
32	Conduit roughness and dye-trace breakthrough curves: why slow velocity and high dispersivity may not reflect flow in distributed systems. <i>Journal of Glaciology</i> , 2012, 58, 915-925.	2.2	23
33	Calibration and evaluation of a high-resolution surface mass-balance model for Paakitsoq, West Greenland. <i>Journal of Glaciology</i> , 2012, 58, 1047-1062.	2.2	17
34	Measurement and modeling of ablation of the bottom of supraglacial lakes in western Greenland. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	65
35	Modeling supraglacial water routing and lake filling on the Greenland Ice Sheet. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	65
36	Quantifying the effects of glacier conduit geometry and recharge on proglacial hydrograph form. <i>Journal of Hydrology</i> , 2012, 414-415, 59-71.	5.4	22

#	ARTICLE	IF	CITATIONS
37	Enigmatic surface rolls of the Ellesmere Ice Shelf. <i>Journal of Glaciology</i> , 0, , 1-12.	2.2	0