

Jason Amundson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,148
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice mélange dynamics and implications for terminus stability, Jakobshavn Isbrå, Greenland. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	289
2	Rapid submarine melting driven by subglacial discharge, LeConte Glacier, Alaska. <i>Geophysical Research Letters</i> , 2013, 40, 5153-5158.	4.0	133
3	Glacier, fjord, and seismic response to recent large calving events, Jakobshavn Isbrå, Greenland. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	111
4	Direct observations of submarine melt and subsurface geometry at a tidewater glacier. <i>Science</i> , 2019, 365, 369-374.	12.6	77
5	Seasonal and interannual variations in ice mélange and its impact on terminus stability, Jakobshavn Isbrå, Greenland. <i>Journal of Glaciology</i> , 2015, 61, 76-88.	2.2	73
6	Subseasonal changes observed in subglacial channel pressure, size, and sediment transport. <i>Geophysical Research Letters</i> , 2016, 43, 3786-3794.	4.0	68
7	A unifying framework for iceberg-calving models. <i>Journal of Glaciology</i> , 2010, 56, 822-830.	2.2	61
8	Subglacial discharge at tidewater glaciers revealed by seismic tremor. <i>Geophysical Research Letters</i> , 2015, 42, 6391-6398.	4.0	60
9	Meltwater Intrusions Reveal Mechanisms for Rapid Submarine Melt at a Tidewater Glacier. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085335.	4.0	44
10	Quantifying flow and stress in ice mélange, the world's largest granular material. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5105-5110.	7.1	33
11	Dynamic jamming of iceberg-choked fjords. <i>Geophysical Research Letters</i> , 2015, 42, 1122-1129.	4.0	28
12	Outlet glacier response to forcing over hourly to interannual timescales, Jakobshavn Isbrå, Greenland. <i>Journal of Glaciology</i> , 2012, 58, 1212-1226.	2.2	25
13	Seismic Tremor Reveals Spatial Organization and Temporal Changes of Subglacial Water System. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 427-446.	2.8	22
14	Non-linear glacier response to calving events, Jakobshavn Isbrå, Greenland. <i>Journal of Glaciology</i> , 2019, 65, 39-54.	2.2	17
15	Quasi-Static Granular Flow of Ice Mélange. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2243-2257.	2.8	16
16	Granular decoherence precedes ice mélange failure and glacier calving at Jakobshavn Isbrå. <i>Nature Geoscience</i> , 2021, 14, 417-422.	12.9	16
17	Effect of Topography on Subglacial Discharge and Submarine Melting During Tidewater Glacier Retreat. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 66-79.	2.8	15
18	Tracking icebergs with time-lapse photography and sparse optical flow, LeConte Bay, Alaska, 2016-2017. <i>Journal of Glaciology</i> , 2019, 65, 195-211.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Formation, flow and break-up of ephemeral ice mÃ©lange at LeConte Glacier and Bay, Alaska. Journal of Glaciology, 2020, 66, 577-590.	2.2	11
20	Subglacial Discharge Reflux and Buoyancy Forcing Drive Seasonality in a Silled Glacial Fjord. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	11
21	A mass-flux perspective of the tidewater glacier cycle. Journal of Glaciology, 2016, 62, 82-93.	2.2	10
22	Morainal Bank Evolution and Impact on Terminus Dynamics During a Tidewater Glacier Stillstand. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005359.	2.8	5
23	Tidewater glacier response to individual calving events. Journal of Glaciology, 2022, 68, 1117-1126.	2.2	5
24	Ice thickness estimates of Lemon Creek Glacier, Alaska, from active-source seismic imaging. Journal of Glaciology, 2021, 67, 824-832.	2.2	2
25	Seismic Mapping of Subglacial Hydrology Reveals Previously Undetected Pressurization Event. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	1