

# Jason Amundson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3736824/publications.pdf>

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  | Seismic Mapping of Subglacial Hydrology Reveals Previously Undetected Pressurization Event. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .                                   | 2.8  | 1         |
| 2  | Tidewater glacier response to individual calving events. <i>Journal of Glaciology</i> , 2022, 68, 1117-1126.                                                                                         | 2.2  | 5         |
| 3  | Subglacial Discharge Reflux and Buoyancy Forcing Drive Seasonality in a Silled Glacial Fjord. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .                                          | 2.6  | 11        |
| 4  | Ice thickness estimates of Lemon Creek Glacier, Alaska, from active-source seismic imaging. <i>Journal of Glaciology</i> , 2021, 67, 824-832.                                                        | 2.2  | 2         |
| 5  | Granular decoherence precedes ice mÃ©lange failure and glacier calving at Jakobshavn IsbrÃ©. <i>Nature Geoscience</i> , 2021, 14, 417-422.                                                           | 12.9 | 16        |
| 6  | Meltwater Intrusions Reveal Mechanisms for Rapid Submarine Melt at a Tidewater Glacier. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085335.                                               | 4.0  | 44        |
| 7  | Morainal Bank Evolution and Impact on Terminus Dynamics During a Tidewater Glacier Stillstand. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005359.                   | 2.8  | 5         |
| 8  | Formation, flow and break-up of ephemeral ice mÃ©lange at LeConte Glacier and Bay, Alaska. <i>Journal of Glaciology</i> , 2020, 66, 577-590.                                                         | 2.2  | 11        |
| 9  | Direct observations of submarine melt and subsurface geometry at a tidewater glacier. <i>Science</i> , 2019, 365, 369-374.                                                                           | 12.6 | 77        |
| 10 | Tracking icebergs with time-lapse photography and sparse optical flow, LeConte Bay, Alaska, 2016â€“2017. <i>Journal of Glaciology</i> , 2019, 65, 195-211.                                           | 2.2  | 15        |
| 11 | 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        |
| 12 | Non-linear glacier response to calving events, Jakobshavn IsbrÃ©, Greenland. <i>Journal of Glaciology</i> , 2019, 65, 39-54.                                                                         | 2.2  | 17        |
| 13 | Quantifying flow and stress in ice mÃ©lange, the worldâ€™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        |
| 14 | 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        |
| 15 | Quasiâ€“Static Granular Flow of Ice MÃ©lange. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2243-2257.                                                                        | 2.8  | 16        |
| 16 | A mass-flux perspective of the tidewater glacier cycle. <i>Journal of Glaciology</i> , 2016, 62, 82-93.                                                                                              | 2.2  | 10        |
| 17 | Subseasonal changes observed in subglacial channel pressure, size, and sediment transport. <i>Geophysical Research Letters</i> , 2016, 43, 3786-3794.                                                | 4.0  | 68        |
| 18 | Subglacial discharge at tidewater glaciers revealed by seismic tremor. <i>Geophysical Research Letters</i> , 2015, 42, 6391-6398.                                                                    | 4.0  | 60        |

| #  | ARTICLE                                                                                                                                                               | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Dynamic jamming of iceberg-choked fjords. <i>Geophysical Research Letters</i> , 2015, 42, 1122-1129.                                                                  | 4.0 | 28        |
| 20 | 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        |
| 21 | Rapid submarine melting driven by subglacial discharge, LeConte Glacier, Alaska. <i>Geophysical Research Letters</i> , 2013, 40, 5153-5158.                           | 4.0 | 133       |
| 22 | 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        |
| 23 | A unifying framework for iceberg-calving models. <i>Journal of Glaciology</i> , 2010, 56, 822-830.                                                                    | 2.2 | 61        |
| 24 | Ice mélange dynamics and implications for terminus stability, Jakobshavn Isbrå, Greenland. <i>Journal of Geophysical Research</i> , 2010, 115, .                      | 3.3 | 289       |
| 25 | Glacier, fjord, and seismic response to recent large calving events, Jakobshavn Isbrå, Greenland. <i>Geophysical Research Letters</i> , 2008, 35, .                   | 4.0 | 111       |