

# Jan Wuite

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,814  
citations

471509

17  
h-index

501196

28  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2460  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Automatic delineation of cracks with Sentinel-1 interferometry for monitoring ice shelf damage and calving. <i>Cryosphere</i> , 2022, 16, 1523-1542.   | 3.9  | 4         |
| 2  | Three different glacier surges at a spot: what satellites observe and what not. <i>Cryosphere</i> , 2022, 16, 2505-2526.   | 3.9  | 7         |
| 3  | Widespread increase in dynamic imbalance in the Getz region of Antarctica from 1994 to 2018. <i>Nature Communications</i> , 2021, 12, 1133.  | 12.8 | 19        |
| 4  | Penetration of interferometric radar signals in Antarctic snow. <i>Cryosphere</i> , 2021, 15, 4399-4419.   | 3.9  | 14        |
| 5  | Continuous Monitoring of Ice Motion and Discharge of Antarctic and Greenland Ice Sheets and Outlet Glaciers by Sentinel-1 A & B. , 2021, , .   |      | 5         |
| 6  | Mass balance of the Greenland Ice Sheet from 1992 to 2018. <i>Nature</i> , 2020, 579, 233-239.   | 27.8 | 434       |
| 7  | Impact of marine processes on flow dynamics of northern Antarctic Peninsula outlet glaciers. <i>Nature Communications</i> , 2020, 11, 2969.  | 12.8 | 7         |
| 8  | Repeat Subglacial Lake Drainage and Filling Beneath Thwaites Glacier. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089658.   | 4.0  | 23        |
| 9  | Damage accelerates ice shelf instability and mass loss in Amundsen Sea Embayment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24735-24741. | 7.1  | 85        |
| 10 | Perennial snow patch detection based on remote sensing data on Tröllaskagi Peninsula, northern Iceland. <i>Jokull</i> , 2020, 69, 103-128.   | 0.1  | 2         |
| 11 | An Integrated View of Greenland Ice Sheet Mass Changes Based on Models and Satellite Observations. <i>Remote Sensing</i> , 2019, 11, 1407.   | 4.0  | 31        |
| 12 | Arctic Freshwater Fluxes from Earth Observation Data. <i>International Association of Geodesy Symposia</i> , 2019, , 97-103.   | 0.4  | 1         |
| 13 | Heterogeneous spatial and temporal pattern of surface elevation change and mass balance of the Patagonian ice fields between 2000 and 2016. <i>Cryosphere</i> , 2019, 13, 2511-2535.               | 3.9  | 40        |
| 14 | Sub-Annual Calving Front Migration, Area Change and Calving Rates from Swath Mode CryoSat-2 Altimetry, on Filchner-Ronne Ice Shelf, Antarctica. <i>Remote Sensing</i> , 2019, 11, 2761.            | 4.0  | 11        |
| 15 | Calving cycle of the Brunt Ice Shelf, Antarctica, driven by changes in ice shelf geometry. <i>Cryosphere</i> , 2019, 13, 2771-2787.  | 3.9  | 11        |
| 16 | Modelling the climate and surface mass balance of polar ice sheets using RACMO2 – Part 2: Antarctica (1979–2016). <i>Cryosphere</i> , 2018, 12, 1479-1498.   | 3.9  | 268       |
| 17 | Changing pattern of ice flow and mass balance for glaciers discharging into the Larsen A and B embayments, Antarctic Peninsula, 2011 to 2016. <i>Cryosphere</i> , 2018, 12, 1273-1291.             | 3.9  | 46        |
| 18 | Recent rift formation and impact on the structural integrity of the Brunt Ice Shelf, East Antarctica. <i>Cryosphere</i> , 2018, 12, 505-520.   | 3.9  | 24        |

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|----|--|------|-----------|
| 19 | Application of PROMICE Qa€Transect in Situ Accumulation and Ablation Measurements (2000a€2017) to Constrain Mass Balance at the Southern Tip of the Greenland Ice Sheet. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1235-1256. | 2.8  | 16        |
| 20 | Increased ice flow in Western Palmer Land linked to ocean melting. Geophysical Research Letters, 2017, 44, 4159-4167.  | 4.0  | 47        |
| 21 | Error sources and guidelines for quality assessment of glacier area, elevation change, and velocity products derived from satellite data in the Glaciers_cci project. Remote Sensing of Environment, 2017, 203, 256-275.                         | 11.0 | 109       |
| 22 | The modelled surface mass balance of the Antarctic Peninsula at 5.5a€km horizontal resolution. Cryosphere, 2016, 10, 271-285.  | 3.9  | 89        |
| 23 | Glacier Remote Sensing Using Sentinel-2. Part I: Radiometric and Geometric Performance, and Application to Ice Velocity. Remote Sensing, 2016, 8, 598.   | 4.0  | 121       |
| 24 | The Sentinel-1 Mission: New Opportunities for Ice Sheet Observations. Remote Sensing, 2015, 7, 9371-9389.  | 4.0  | 156       |
| 25 | Evolution of surface velocities and ice discharge of Larsen B outlet glaciers from 1995 to 2013. Cryosphere, 2015, 9, 957-969.   | 3.9  | 61        |
| 26 | Synergy of TanDEM-X DEM differencing and input-output method for glacier monitoring. , 2015, , .   |      | 1         |
| 27 | Mass changes of outlet glaciers along the Nordensjka€ld Coast, northern Antarctic Peninsula, based on TanDEM-X satellite measurements. Geophysical Research Letters, 2014, 41, 8123-8129.  | 4.0  | 49        |
| 28 | Nontidal ocean loading: amplitudes and potential effects in GPS height time series. Journal of Geodesy, 2012, 86, 1043-1057.   | 3.6  | 94        |
| 29 | The velocity field and flow regime of David Glacier and Drygalski Ice Tongue, Antarctica. Polar Geography, 2009, 32, 111-127.  | 1.9  | 19        |
| 30 | Evidence of past fluctuations on Stancomb-Wills Ice Tongue, Antarctica, preserved by relict flow stripes. Journal of Glaciology, 2009, 55, 239-244.  | 2.2  | 7         |