

# 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	Mass balance of the Greenland Ice Sheet from 1992 to 2018. <i>Nature</i> , 2020, 579, 233-239.	27.8	434
2	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
3	The Sentinel-1 Mission: New Opportunities for Ice Sheet Observations. <i>Remote Sensing</i> , 2015, 7, 9371-9389.	4.0	156
4	Glacier Remote Sensing Using Sentinel-2. Part I: Radiometric and Geometric Performance, and Application to Ice Velocity. <i>Remote Sensing</i> , 2016, 8, 598.	4.0	121
5	Error sources and guidelines for quality assessment of glacier area, elevation change, and velocity products derived from satellite data in the Glaciers_cci project. <i>Remote Sensing of Environment</i> , 2017, 203, 256-275.	11.0	109
6	Nontidal ocean loading: amplitudes and potential effects in GPS height time series. <i>Journal of Geodesy</i> , 2012, 86, 1043-1057.	3.6	94
7	The modelled surface mass balance of the Antarctic Peninsula at 5.5 km horizontal resolution. <i>Cryosphere</i> , 2016, 10, 271-285.	3.9	89
8	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
9	Evolution of surface velocities and ice discharge of Larsen B outlet glaciers from 1995 to 2013. <i>Cryosphere</i> , 2015, 9, 957-969.	3.9	61
10	Mass changes of outlet glaciers along the Nordenskiöld Coast, northern Antarctic Peninsula, based on TanDEM-X satellite measurements. <i>Geophysical Research Letters</i> , 2014, 41, 8123-8129.	4.0	49
11	Increased ice flow in Western Palmer Land linked to ocean melting. <i>Geophysical Research Letters</i> , 2017, 44, 4159-4167.	4.0	47
12	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
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	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
15	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
16	Repeat Subglacial Lake Drainage and Filling Beneath Thwaites Glacier. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089658.	4.0	23
17	The velocity field and flow regime of David Glacier and Drygalski Ice Tongue, Antarctica. <i>Polar Geography</i> , 2009, 32, 111-127.	1.9	19
18	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

#	ARTICLE	IF	CITATIONS
19	Application of PROMICE Qa€Transect in Situ Accumulation and Ablation Measurements (2000â€“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	Penetration of interferometric radar signals in Antarctic snow. Cryosphere, 2021, 15, 4399-4419.	3.9	14
21	Sub-Annual Calving Front Migration, Area Change and Calving Rates from Swath Mode CryoSat-2 Altimetry, on Filchner-Ronne Ice Shelf, Antarctica. Remote Sensing, 2019, 11, 2761.	4.0	11
22	Calving cycle of the Brunt Ice Shelf, Antarctica, driven by changes in ice shelf geometry. Cryosphere, 2019, 13, 2771-2787.	3.9	11
23	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
24	Impact of marine processes on flow dynamics of northern Antarctic Peninsula outlet glaciers. Nature Communications, 2020, 11, 2969.	12.8	7
25	Three different glacier surges at a spot: what satellites observe and what not. Cryosphere, 2022, 16, 2505-2526.	3.9	7
26	Continuous Monitoring of Ice Motion and Discharge of Antarctic and Greenland Ice Sheets and Outlet Glaciers by Sentinel-1 A & B. , 2021, , .		5
27	Automatic delineation of cracks with Sentinel-1 interferometry for monitoring ice shelf damage and calving. Cryosphere, 2022, 16, 1523-1542.	3.9	4
28	Perennial snow patch detection based on remote sensing data on TrÃ¶llaskagi Peninsula, northern Iceland. Jokull, 2020, 69, 103-128.	0.1	2
29	Synergy of TanDEM-X DEM differencing and input-output method for glacier monitoring. , 2015, , .		1
30	Arctic Freshwater Fluxes from Earth Observation Data. International Association of Geodesy Symposia, 2019, , 97-103.	0.4	1