

Project: Greenland_Ice_Sheet_cci

Topic: Publications list

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Title	Journal	Year	Authors
ESA ice sheet CCI: derivation of the optimal method for surface elevation change detection of the Greenland ice sheet – round robin results	International Journal of Remote Sensing Volume 36, - Issue 2	2015	J.F. Levinsen, K. Khvorostovsky, F. Ticconi, A. Shepherd, R. Forsberg, L.S. Sørensen, A. Muir, et al.
Mass changes in Arctic ice caps and glaciers: implications of regionalizing elevation changes	The Cryosphere, 9, 139-150, 2015. www.the-cryosphere.net/9/139/2015/doi:10.5194/tc-9-139-2015	2015	J. Nilsson, L. Sandberg Sørensen, V. R. Barletta, and R. Forsberg
Envisat-derived elevation changes of the Greenland ice sheet, and a comparison with ICESat results in the accumulation area	Remote Sensing of Environment 160	2015	L. S. Sørensen, S. B. Simonsen, R. Meister, R. Forsberg, J. F. Levinsen & T. Flament
The Sentinel-1 Mission: New Opportunities for Ice Sheet Observations	Remote Sensing	2015	T. Nagler et al.
Grounding line migration from 1992 to 2011 on Petermann Glacier, North-West Greenland	Journal of Glaciology (2016), 62(236) 1104–1114	2016	A. E. Hogg, A. Shepherd, N. Gourmelen, M. Engdhal
Implications of changing scattering properties on Greenland ice sheet volume change from Cryosat-2 altimetry	Remote Sensing of Environment	2016	S. B. Simonsen and L. S. Sørensen
The Impact of DEM Resolution on Relocating Radar Altimetry Data Over Ice Sheets	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, VOL. 9, NO. 7, JULY 2016	2016	J. F. Levinsen, S. B. Simonsen, L. Sandberg Sørensen, and R. Forsberg

Greenland and Antarctica Ice Sheet Mass Changes and Effects on Global Sea Level.	Surveys in Geophysics (2017) 38: 89. doi:10.1007/s10712-016-9398-7	2017	Forsberg, R., Sørensen, L. & Simonsen, S
Improved retrieval of land ice topography from CryoSat-2 data and its impact for volume-change estimation of the Greenland Ice Sheet	The Cryosphere. 10, 6, p. 2953-2969		Nilsson, J., Gardner, A., Sørensen, L. S. & Forsberg, R.
Application of PROMICE Q-transect in-situ accumulation and ablation measurements (2000-2017) to constrain mass balance at the Southern tip of the Greenland ice sheet	JGR-Earth Surface	2018	Hermann et al.
Intercomparison and Validation of SAR-Based Ice Velocity Measurement Techniques within the Greenland Ice Sheet CCI Project.	Remote Sensing	2018	Boncori et al.
New baseline for Greenland meltwater runoff and iceberg discharge	Nature Communications (in review)	2018	W. Colgan, K. D. Mankoff, et al.
Simulating ice thickness and velocity evolution of Upernavik Isstrøm 1849-2012 by forcing prescribed terminus positions in ISSM.	The Cryosphere	2018	Haubner, K. and Box, J. E. et al.
25 years of elevation changes of the Greenland Ice Sheet from ERS, Envisat, and CryoSat-2 radar altimetry	Earth and Planetary Science Letters. 495, p. 234-241, 2018.	2018	Sørensen, L. S., Simonsen, S. B., Forsberg, R., Khvorostovsky, K., Meister, R. & Engdahl, M. E
Intercomparison and Validation of SAR-Based Ice Velocity Measurement Techniques within the Greenland Ice Sheet CCI Project	Remote Sensing	2018	J.P. Merryman Boncori, M. Langer Andersen, J. Dall, A. Kusk et al.