Daniela Jansen

List of Publications by Year in descending order

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35 papers	1,235 citations	331670 21 h-index	377865 34 g-index
48 all docs	48 docs citations	48 times ranked	1254 citing authors

#	Article	IF	Citations
1	Airborne ultra-wideband radar sounding over the shear margins and along flow lines at the onset region of the Northeast Greenland Ice Stream. Earth System Science Data, 2022, 14, 763-779.	9.9	13
2	Complex Basal Conditions and Their Influence on Ice Flow at the Onset of the Northeast Greenland Ice Stream. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005689.	2.8	16
3	Upstream flow effects revealed in the EastGRIP ice core using Monte Carlo inversion of a two-dimensional ice-flow model. Cryosphere, 2021, 15, 3655-3679.	3.9	12
4	Preserved landscapes underneath the Antarctic Ice Sheet reveal the geomorphological history of Jutulstraumen Basin. Earth Surface Processes and Landforms, 2021, 46, 2728-2745.	2.5	13
5	A stratigraphy-based method for reconstructing ice core orientation. Annals of Glaciology, 2021, 62, 191-202.	1.4	15
6	Evidence of Cascading Subglacial Water Flow at Jutulstraumen Glacier (Antarctica) Derived From Sentinelâ€1 and ICESatâ€2 Measurements. Geophysical Research Letters, 2021, 48, e2021GL094472.	4.0	11
7	Bed topography and subglacial landforms in the onset region of the Northeast Greenland Ice Stream. Annals of Glaciology, 2020, 61, 143-153.	1.4	26
8	Using a composite flow law to model deformation in the NEEM deep ice core, Greenland â€“ Part 1: The role of grain size and grain size distribution on deformation of the upper 2207â€‰m. Cryosphere, 2020, 14, 2429-2448.	3.9	14
9	Impurity Analysis and Microstructure Along the Climatic Transition From MIS 6 Into 5e in the EDML Ice Core Using Cryo-Raman Microscopy. Frontiers in Earth Science, 2019, 7, .	1.8	18
10	Seawater softening of suture zones inhibits fracture propagation in Antarctic ice shelves. Nature Communications, 2019, 10, 5491.	12.8	11
11	Greenland Ice Sheet: Higher Nonlinearity of Ice Flow Significantly Reduces Estimated Basal Motion. Geophysical Research Letters, 2018, 45, 6542-6548.	4.0	35
12	Physical analysis of an Antarctic ice coreâ€”towards an integration of micro- and macrodynamics of polar ice. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150347.	3.4	44
13	Location and distribution of micro-inclusions in the EDML and NEEM ice cores using optical microscopy and in situ Raman spectroscopy. Cryosphere, 2017, 11, 1075-1090.	3.9	28
14	Observationally constrained surface mass balance of Larsen C ice shelf, Antarctica. Cryosphere, 2017, 11, 2411-2426.	3.9	16
15	Dynamic recrystallization during deformation of polycrystalline ice: insights from numerical simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150346.	3.4	31
16	Strain localization and dynamic recrystallization in the iceâ€“air aggregate: a numerical study. Cryosphere, 2016, 10, 3071-3089.	3.9	22
17	Small-scale disturbances in the stratigraphy of the NEEM ice core: observations and numerical model simulations. Cryosphere, 2016, 10, 359-370.	3.9	34
18	Full-field predictions of ice dynamic recrystallisation under simple shear conditions. Earth and Planetary Science Letters, 2016, 450, 233-242.	4.4	38

#	Article	IF	Citations
19	Massive subsurface ice formed by refreezing of ice-shelf melt ponds. Nature Communications, 2016, 7, 11897.	12.8	63
20	Converging flow and anisotropy cause large-scale folding in Greenland's ice sheet. Nature Communications, 2016, 7, 11427.	12.8	56
21	Brief Communication: Newly developing rift in Larsen C Ice Shelf presents significant risk to stability. Cryosphere, 2015, 9, 1223-1227.	3.9	39
22	Marine ice regulates the future stability of a large Antarctic ice shelf. Nature Communications, 2014, 5, 3707.	12.8	72
23	Surface melt and ponding on Larsen C Ice Shelf and the impact of fÃ¶hn winds. Antarctic Science, 2014, 26, 625-635.	0.9	92
24	Marine ice formation in a suture zone on the Larsen C Ice Shelf and its influence on ice shelf dynamics. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1628-1640.	2.8	43
25	Investigating englacial reflections with vibro- and explosive-seismic surveys at Halvfarryggen ice dome, Antarctica. Annals of Glaciology, 2013, 54, 189-200.	1.4	24
26	Calving Fronts of Antarctica: Mapping and Classification. Remote Sensing, 2013, 5, 6305-6322.	4.0	25
27	Basal crevasses in Larsen C Ice Shelf and implications for their global abundance. Cryosphere, 2012, 6, 113-123.	3.9	65
28	Persistent iceberg groundings in the western Weddell Sea, Antarctica. Remote Sensing of Environment, 2010, 114, 385-391.	11.0	17
29	Present stability of the Larsen C ice shelf, Antarctic Peninsula. Journal of Glaciology, 2010, 56, 593-600.	2.2	52
30	A consistent data set of Antarctic ice sheet topography, cavity geometry, and global bathymetry. Earth System Science Data, 2010, 2, 261-273.	9.9	129
31	Surface structure and stability of the Larsen C ice shelf, Antarctic Peninsula. Journal of Glaciology, 2009, 55, 400-410.	2.2	84
32	Basal melting of A-38B: A physical model constrained by satellite observations. Remote Sensing of Environment, 2007, 111, 195-203.	11.0	33
33	In situ measurement of electrical resistivity of marine sediments, results from Cascadia Basin off Vancouver Island. Marine Geology, 2005, 216, 17-26.	2.1	1
34	Model experiments on large tabular iceberg evolution: ablation and strain thinning. Journal of Glaciology, 2005, 51, 363-372.	2.2	10
35	Origin of englacial stratigraphy at three deep ice core sites of the Greenland Ice Sheet by synthetic radar modelling. Journal of Glaciology, 0, , 1-13.	2.2	5