

Thomas Ingeman-Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,895
citations

566801

15
h-index

642321

23
g-index

42
all docs

42
docs citations

42
times ranked

2857
citing authors

#	ARTICLE	IF	CITATIONS
1	Permafrost is warming at a global scale. <i>Nature Communications</i> , 2019, 10, 264.	5.8	1,039
2	The thermal state of permafrost in the nordic area during the international polar year 2007–2009. <i>Permafrost and Periglacial Processes</i> , 2010, 21, 156-181.	1.5	257
3	The Arctic in the Twenty-First Century: Changing Biogeochemical Linkages across a Paraglacial Landscape of Greenland. <i>BioScience</i> , 2017, 67, 118-133.	2.2	60
4	A new cycle of jökulhlaups at Russell Glacier, Kangerlussuaq, West Greenland. <i>Journal of Glaciology</i> , 2011, 57, 238-246.	1.1	52
5	CR1Dmod: A Matlab program to model 1D complex resistivity effects in electrical and electromagnetic surveys. <i>Computers and Geosciences</i> , 2006, 32, 1411-1419.	2.0	45
6	Direct current (DC) resistivity and induced polarization (IP) monitoring of active layer dynamics at high temporal resolution. <i>Cold Regions Science and Technology</i> , 2015, 119, 16-28.	1.6	45
7	Permafrost degradation risk zone assessment using simulation models. <i>Cryosphere</i> , 2011, 5, 1043-1056.	1.5	43
8	Consequences of permafrost degradation for Arctic infrastructure – bridging the model gap between regional and engineering scales. <i>Cryosphere</i> , 2021, 15, 2451-2471.	1.5	42
9	Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes. <i>Quaternary Science Reviews</i> , 2013, 67, 39-58.	1.4	39
10	Firn data compilation reveals widespread decrease of firn air content in western Greenland. <i>Cryosphere</i> , 2019, 13, 845-859.	1.5	37
11	Ice-Dammed Lake Drainage Evolution at Russell Glacier, West Greenland. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	29
12	Towards Circumpolar Mapping of Arctic Settlements and Infrastructure Based on Sentinel-1 and Sentinel-2. <i>Remote Sensing</i> , 2020, 12, 2368.	1.8	27
13	Firn cold content evolution at nine sites on the Greenland ice sheet between 1998 and 2017. <i>Journal of Glaciology</i> , 2020, 66, 591-602.	1.1	24
14	Stable oxygen isotope variability in two contrasting glacier river catchments in Greenland. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1197-1210.	1.9	19
15	Drivers of Firn Density on the Greenland Ice Sheet Revealed by Weather Station Observations and Modeling. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2563-2576.	1.0	19
16	Effect of electrode shape on grounding resistances – Part 1: The focus-one protocol. <i>Geophysics</i> , 2016, 81, WA159-WA167.	1.4	15
17	Numerical modelling of complex resistivity effects on a homogenous half-space at low frequencies. <i>Geophysical Prospecting</i> , 2006, 54, 261-271.	1.0	13
18	Effect of electrode shape on grounding resistances – Part 2: Experimental results and cryospheric monitoring. <i>Geophysics</i> , 2016, 81, WA169-WA182.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Thawing Permafrost in Arctic Coastal Communities: A Framework for Studying Risks from Climate Change. Sustainability, 2021, 13, 2651.	1.6	12
20	Iceâ€margin and meltwater dynamics during the midâ€Holocene in the Kangerlussuaq area of west Greenland. Boreas, 2017, 46, 369-387.	1.2	10
21	Greenland Geothermal Heat Flow Database and Map (Version 1). Earth System Science Data, 2022, 14, 2209-2238.	3.7	9
22	Development of Bearing Capacity of Fine Grained Permafrost Deposits in Western Greenland Urban Areas Subject to Soil Temperature Changes. , 2012, , .		6
23	Comparison of Geoaoustic Models for Unfrozen Water Content Estimation. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019766.	1.4	6
24	Highâ€frequency induced polarization measurements of hydrocarbonâ€bearing rocks. , 2011, , .		5
25	The effect of electrode contact resistance and capacitive coupling on complex resistivity measurements. , 2006, , .		4
26	Adaptive capacity to manage permafrost degradation in Northwest Greenland. Polar Geography, 2022, 45, 58-76.	0.8	4
27	Surface Geophysical Measurements for Locating and Mapping Ice-Wedges. , 2012, , .		3
28	Optimization in the Use of Air Convection Embankments for the Protection of Underlying Permafrost. , 2012, , .		3
29	Towed transient electromagnetic survey results at Ilulissat, Greenland for water vulnerability and infrastructure planning. , 2021, , .		2
30	Mapping Ice-Bonded Permafrost with Electrical Methods in Sisimiut, West Greenland. , 2006, , .		1
31	Spectral Induced Polarization Measurements of Hydrocarbon-bearing Rocks and Fluids. , 2012, , .		0
32	Direct Current (DC) Resistivity and Induced Polarization (IP) Monitoring of Active Layer Dynamics at High Temporal Resol. , 2015, , .		0