

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

ARCTIC

RRID:SCR_005989

Type: Tool

Proper Citation

ARCTIC (RRID:SCR_005989)

Resource Information

URL: <http://www.nitrc.org/projects/arctic>

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Description: An end-to-end application allowing individual regional analysis of cortical thickness. This cross-platform tool can be run within Slicer3 as an external module, or directly as a command line. * Operating System: MacOS, Linux * Programming Language: C++ * Supported Data Format: ANALYZE, Nrrd, Other Format * build requires: Insight Toolkit

Abbreviations: ARCTIC

Synonyms: Automatic Regional Cortical ThIckness

Resource Type: workflow software, image analysis software, software resource, software application, data processing software

Keywords: workflow, regional analysis, cortical thickness, magnetic resonance

Availability: BSD License

Resource Name: ARCTIC

Resource ID: SCR_005989

Alternate IDs: nlx_151366

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260808T185832+0000

Ratings and Alerts

No rating or validation information has been found for ARCTIC.

No alerts have been found for ARCTIC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1786 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Naik N, et al. (2026) A framework for assessing global health impacts of polar change: An urgent call for interdisciplinary research. *Ambio*, 55(3), 529.

Wen G, et al. (2026) A? antibodies target not only amyloid plaques but also distinct brain cells and vessels. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(1), e71121.

Warret Rodrigues C, et al. (2026) Spatial overlap of sea ice-associated predators and prey in western Hudson Bay. *PloS one*, 21(2), e0328953.

Vanderlip HL, et al. (2026) Effect of Stockholm Convention Listing on Temporal Trends of Halogenated Flame Retardants in Herring Gull Eggs in Canada (2008-2023). *Archives of environmental contamination and toxicology*, 90(2), 11.

Tao C, et al. (2025) Cloud radiative effect dominates variabilities of surface energy budget in the dark Arctic. *Scientific reports*, 15(1), 2976.

Shaw RE, et al. (2025) Global meta-analysis shows action is needed to halt genetic diversity loss. *Nature*, 638(8051), 704.

Heatta MJ, et al. (2025) The use of multiple evidence base methods to enrich climate change research and knowledge in the Arctic. *Ambio*, 54(4), 603.

Kariyayama H, et al. (2025) Domain-Shuffling in the Evolution of Cyclostomes and Gnathostomes. *Journal of experimental zoology. Part B, Molecular and developmental evolution*, 344(2), 59.

Beemelmans A, et al. (2025) Development of SNP Panels from Low-Coverage Whole Genome Sequencing (lcWGS) to Support Indigenous Fisheries for Three Salmonid Species in Northern Canada. *Molecular ecology resources*, 25(3), e14040.

Haapaniemi H, et al. (2025) Genetic analysis implicates ERAP1 and HLA as risk factors for severe Puumala virus infection. *Human molecular genetics*, 34(1), 77.

Doloisio N, et al. (2025) Exploring community resilience through Arctic residents' narratives in the Republic of Sakha (Russia). *Ambio*, 54(1), 135.

Muñoz-Sánchez R, et al. (2025) GeoMIP-Pattern - a pattern scaling dataset for efficient generation of custom geoengineering scenarios. *Scientific data*, 12(1), 1343.

Kassa KI, et al. (2025) Electrophysiological Substrate and Pulmonary Vein Reconnection Patterns in Recurrent Atrial Fibrillation: Comparing Thermal Strategies in Patients Undergoing Redo Ablation. *Journal of cardiovascular development and disease*, 12(8).

Lindgren A, et al. (2025) Massive losses and gains of northern land carbon stocks since the Last Glacial Maximum. *Science advances*, 11(35), eadt6231.

Karppinen K, et al. (2025) Three bilberry bHLHs of subgroup IIIf play divergent roles in fruit anthocyanin and flavonoid biosynthesis. *Scientific reports*, 15(1), 29816.

Torn MS, et al. (2025) Large emissions of CO₂ and CH₄ due to active-layer warming in Arctic tundra. *Nature communications*, 16(1), 124.

Yan X, et al. (2025) Asynchronicity of deglacial permafrost thawing controlled by millennial-scale climate variability. *Nature communications*, 16(1), 290.

Hayoun Y, et al. (2025) Healthcare delivery in the arctic-telehealth prospects. *International journal of circumpolar health*, 84(1), 2438429.

Holman LE, et al. (2025) Ancient environmental DNA indicates limited human impact on marine biodiversity in pre-industrial Iceland. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 380(1930), 20240031.

Lee YR, et al. (2025) Comprehensive Approach for Sequential MALDI-MSI Analysis of Lipids, N-Glycans, and Peptides in Fresh-Frozen Rodent Brain Tissues. *Analytical chemistry*, 97(2), 1338.