

Resource Summary Report

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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: data processing software, image analysis software, software application, software resource, workflow 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: 20260912T195634+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.

Carmona-García J, et al. (2025) Photoreduction of mercuric bromides in polar ice. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2422885122.

Simson A, et al. (2025) Reusability-targeted enrichment of sea ice core data. *Scientific data*, 12(1), 465.

Tsakali N, et al. (2025) The time of emergence of Arctic warming, wetting and sea ice melting. *Scientific reports*, 15(1), 12626.

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.

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.

Steckler MR, et al. (2025) PAVC: The foundation for a Pan-Arctic Vegetation Cover database. *Scientific data*, 12(1), 1271.

Bakosova A, et al. (2025) Dbl2 interacts with helicases and an endonuclease to maintain the integrity of repetitive regions. *Scientific reports*, 15(1), 21895.

Piironen A, et al. (2025) Environmental drivers of productivity explain population patterns of an Arctic-nesting bird across a half-century. *Ecological applications : a publication of the Ecological Society of America*, 35(5), e70067.

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.

Iizuka Y, et al. (2025) Acidity-driven gas-particle partitioning of nitrate regulates its transport to Arctic through the industrial era. *Nature communications*, 16(1), 4272.

Scheinkman R, et al. (2025) Arctic & Antarctic dermatology: a narrative review of cutaneous conditions of polar explorers and researchers. *Archives of dermatological research*, 317(1), 664.

Tedstone A, et al. (2025) Concurrent superimposed ice formation and meltwater runoff on Greenland's ice slabs. *Nature communications*, 16(1), 4494.

Maekawa K, et al. (2025) Long-term systemic androgen deprivation partially modulates neuroinflammation in male AppNL-G-F/NL-G-F mice. *Scientific reports*, 15(1), 14702.

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

Pais RC, et al. (2025) Assessing cognitive flexibility in mice using a custom-built touchscreen chamber. *Frontiers in behavioral neuroscience*, 19, 1536458.

Jermilova U, et al. (2025) Assessing mercury exposure to water and fish of the Mackenzie watershed using a Bayesian network analysis. *Integrated environmental assessment and management*, 21(2), 396.