Resource Summary Report

Generated by NIF on Aug 1, 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: image analysis software, workflow software, software application, software resource, 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: 20260801T190304+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 1775 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

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.

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.

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.

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

McLaughlin A, et al. (2025) Examining avian influenza virus exposure in seabirds of the northwest Atlantic in 2022 and 2023 via antibodies in eggs. Conservation physiology, 13(1), coaf010.

Beemelmanns 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.

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

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.

Gutiérrez CG, et al. (2025) Atmospheric emission assessment for LNG carriers: a state-of-the-art semi-empirical methodology. Environmental science and pollution research international, 32(9), 5419.

Andersson E, et al. (2025) Soluble cerebral A? protofibrils link A? plaque pathology to changes in CSF A?42/A?40 ratios, neurofilament light and tau in Alzheimer's disease model mice. Nature aging, 5(3), 366.

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.

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

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

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

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.

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.

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.

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