

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: image analysis software, software resource, software application, data processing software, 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: 20260728T043225+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 [nidm-terms](#) .

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.

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.

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 β protofibrils link A β plaque pathology to changes in CSF A β 42/A β 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.