

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

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

Funding:

Availability: BSD License

Resource Name: ARCTIC

Resource ID: SCR_005989

Alternate IDs: nlx_151366

Record Creation Time: 20220129T080233+0000

Record Last Update: 20250424T064802+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 1580 mentions in open access literature.

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

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

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.

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

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.

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.

Keyvan E, et al. (2025) Novel Photodynamic Inactivation Strategy for *Salmonella* Enteritidis PT4 on Eggshells: Exploiting the Antimicrobial Potential of Curcumin and Carvacrol. *Veterinary medicine and science*, 11(1), e70135.

Rivas MDG, et al. (2025) Climate change heterogeneity: A new quantitative approach. *PLoS one*, 20(1), e0317208.

Gustafson M, et al. (2025) Gyrfalcon Prey Abundance and Their Habitat Associations in a Changing Arctic. *Ecology and evolution*, 15(1), e70763.

Stewart JA, et al. (2025) Delayed onset of ocean acidification in the Gulf of Maine. *Scientific reports*, 15(1), 2039.

Tingstad A, et al. (2025) Divergent trajectories of Arctic change: Implications for future socio-economic patterns. *Ambio*, 54(2), 239.

Petit Bon M, et al. (2025) Goose grubbing and warming suppress summer net ecosystem CO₂ uptake differentially across high-Arctic tundra habitats. *Ecology*, 106(1), e4498.

Klingstedt T, et al. (2025) Dual-ligand fluorescence microscopy enables chronological and spatial histological assignment of distinct amyloid- β deposits. *The Journal of biological chemistry*, 301(1), 108032.

Kim J, et al. (2025) Methane trapping in permafrost soils: a biogeochemical dataset across Alaskan boreal-Arctic gradient. *Scientific data*, 12(1), 110.

Berns-Herrboldt EC, et al. (2025) Dynamic soil columns simulate Arctic redox biogeochemistry and carbon release during changes in water saturation. *Scientific reports*, 15(1), 3093.

Bonzanni M, et al. (2025) Adenosine deficiency facilitates CA1 synaptic hyperexcitability in the presymptomatic phase of a knockin mouse model of Alzheimer disease. *iScience*, 28(1), 111616.

Fertan E, et al. (2025) Clearance of beta-amyloid and tau aggregates is size dependent and altered by an inflammatory challenge. *Brain communications*, 7(1), fcae454.

English WB, et al. (2025) The Influence of Migration Timing and Local Conditions on Reproductive Timing in Arctic-Breeding Birds. *Ecology and evolution*, 15(1), e70610.

Bich VHT, et al. (2025) Extravascular Temperature Control for Heatstroke With Multi-Organ Failure: A Survivor's Case Report. *Clinical case reports*, 13(2), e70131.