

Resource Summary Report

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Northwestern University Center for Atom Probe Tomography Core Facility

RRID:SCR_017770

Type: Tool

Proper Citation

Northwestern University Center for Atom Probe Tomography Core Facility
(RRID:SCR_017770)

Resource Information

URL: <https://sites.northwestern.edu/nucapt/>

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Description: Facility specializes in high resolution chemical imaging by three dimensional atom probe tomography. APT produces three-dimensional (3D) atom-by-atom elementally and isotopically resolved image with sub-nanometer spatial resolution of sample volume typically $100 \times 100 \times 300 \text{ nm}^3$, by simultaneous high resolution direct-space imaging and atom-by-atom time of flight mass spectrometry. APT is particularly suited to study nano- or nanostructured materials.

Abbreviations: NUCAPT

Synonyms: Northwestern University Center for Atom-Probe Tomography

Resource Type: access service resource, service resource, core facility

Keywords: Atom, probe, tomography, chemical, imaging, 3D, isotopic, subnanometer, spacial, resoulution, sample, volume, nanostructured, material, service, core, ABRF, USEdit

Funding: NSF DMR 0420532;
NSF DMR 1720139;
NSF ECCS 1542205;
Initiative for Sustainability and Energy (ISEN) at Northwestern University

Availability: Open

Resource Name: Northwestern University Center for Atom Probe Tomography Core Facility

Resource ID: SCR_017770

Alternate IDs: SCR_017884, ABRF_726, ABRF_311

Alternate URLs: <https://coremarketplace.org/?FacilityID=311>

Old URLs: <https://coremarketplace.org/?FacilityID=726>,
<http://arc.nucapt.northwestern.edu>

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260806T054654+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Center for Atom Probe Tomography Core Facility.

No alerts have been found for Northwestern University Center for Atom Probe Tomography Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.