Resource Summary Report

Generated by <u>dkNET</u> on May 8, 2025

Northwestern University Jerome B. Cohen X-ray Diffraction Core Facility

RRID:SCR_017866 Type: Tool

Proper Citation

Northwestern University Jerome B. Cohen X-ray Diffraction Core Facility (RRID:SCR_017866)

Resource Information

URL: http://xray.facilities.northwestern.edu/

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Description: Core provides general purpose x-ray equipment for diffraction and fluorescence studies. Examples of current measurements are: powder diffraction, single-crystal diffraction, thin-film reflectivity, thin-film diffraction, crystal truncation rod scattering, small angle scattering, Laue diffraction, residual stress, pole figures, EDX-ray fluorescence, x-ray standing waves, high-resolution x-ray diffraction, and grazing incidence small angle scattering.

Abbreviations: X-RAY

Synonyms: Jerome B.Cohen X-Ray Diffraction Facility

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

Keywords: X-ray, diffraction, equipment, powder, single, crystal, thin, film, reflectivity, truncation, rod, scattering, small, angle, service, core

Funding: NSF DMR 1720139; NSF ECCS 1542205; Materials Research Center of Northwestern University

Availability: Open

Resource Name: Northwestern University Jerome B. Cohen X-ray Diffraction Core Facility

Resource ID: SCR_017866

Alternate IDs: ABRF_699

Record Creation Time: 20220129T080337+0000

Record Last Update: 20250508T065808+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Jerome B. Cohen X-ray Diffraction Core Facility.

No alerts have been found for Northwestern University Jerome B. Cohen X-ray Diffraction Core Facility.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 513 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Lopes L, et al. (2025) Dopaminergic PET to SPECT domain adaptation: a cycle GAN translation approach. European journal of nuclear medicine and molecular imaging, 52(3), 851.

Hvittfeldt E, et al. (2025) Semi-standardized evaluation of extraprostatic extension and seminal vesicle invasion with [18F]PSMA-1007 PET/CT: a comparison to MRI using histopathology as reference. EJNMMI reports, 9(1), 1.

Zheng Y, et al. (2025) Neural representation of sensorimotor features in language-motor areas during auditory and visual perception. Communications biology, 8(1), 41.

Donnan KJ, et al. (2025) Tyrosine supplementation is ineffective in facilitating soccer players' physical and cognitive performance during high-intensity intermittent exercise in hot conditions. PloS one, 20(1), e0317486.

Hetzler S, et al. (2025) Biaxial Flexural Strength and Vickers Hardness of 3D-Printed and Milled 5Y Partially Stabilized Zirconia. Journal of functional biomaterials, 16(1).

Cantone M, et al. (2025) Transcranial Doppler sonography follow-up study in mild vascular cognitive impairment. PloS one, 20(1), e0317888.

Markow ZE, et al. (2025) Ultra high density imaging arrays in diffuse optical tomography for human brain mapping improve image quality and decoding performance. Scientific reports, 15(1), 3175.

Soni AK, et al. (2025) Efficacy of home based computerized adaptive cognitive training in patients with post stroke cognitive impairment: a randomized controlled trial. Scientific reports, 15(1), 1072.

Romaniuk AC, et al. (2025) Effects of dam fear and stress on metrics of puppy welfare in commercial breeding kennels. Scientific reports, 15(1), 2820.

Sanders MR, et al. (2025) Parenting, Child Maltreatment, and Social Disadvantage: A Population-Based Implementation and Evaluation of the Triple P System of Evidence-Based Parenting Support. Child maltreatment, 30(1), 177.

Szyszka PD, et al. (2025) Gaming time and impulsivity as independent yet complementary predictors of gaming disorder risk. Scientific reports, 15(1), 2854.

Ahmadi S, et al. (2025) Distinct roles of dentate gyrus and medial entorhinal cortex inputs for phase precession and temporal correlations in the hippocampal CA3 area. Nature communications, 16(1), 13.

Cano-Montoya J, et al. (2025) Interindividual Variability Response to Resistance and High-Intensity Interval Training on Blood Pressure Reduction in Hypertensive Older Adults. Journal of cardiovascular development and disease, 12(1).

Begum R, et al. (2025) Physical measures of physical functioning as prognostic factors in predicting outcomes for neck and thoracic pain: Protocol for a systematic review. PloS one, 20(1), e0316827.

Muthukuda D, et al. (2025) Effects of Cinnamomum zeylanicum (Ceylon cinnamon) extract on lipid profile, glucose levels and its safety in adults: A randomized, double-blind, controlled trial. PloS one, 20(1), e0317904.

Fry?lewicz A, et al. (2025) Diagnostic Value of Measurements of Median Nerve Diameter at the Site of the Maximal Stenosis in Carpal Tunnel Syndrome. International journal of general medicine, 18, 357.

Tharwat S, et al. (2025) Prevalence of Knee Pain and Its Relation to Depression, Anxiety, and Health-Related Quality of Life Among Maintenance Hemodialysis Patients. Journal of clinical medicine, 14(2).

Taghi MM, et al. (2025) The Effect of Task Cognitive Difficulty on Perceptual-Cognitive Indicators: Evidence on the Relationship Between Challenge Point Framework (CPF) and Cognitive Development in Table Tennis Beginners. Journal of multidisciplinary healthcare,

18, 407.

Wang F, et al. (2025) Novel Integration of Spatial and Single-Cell Omics Data Sets Enables Deeper Insights into IPF Pathogenesis. Proteomes, 13(1).

Hohn VD, et al. (2025) Neurofeedback and attention modulate somatosensory alpha oscillations but not pain perception. PLoS biology, 23(1), e3002972.