

Resource Summary Report

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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/>

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

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_3229

Alternate URLs: <https://coremarketplace.org/?FacilityID=3229&citation=1>

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260801T191242+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: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 94 mentions in open access literature.

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

Hofmann K, et al. (2025) Body image and mental health in women with polycystic ovary syndrome-a cross-sectional study. Archives of gynecology and obstetrics, 312(1), 177.

Wiedmer T, et al. (2025) Metabolic mapping of the human solute carrier superfamily. Molecular systems biology, 21(6), 560.

Hanusch B, et al. (2025) Ex Vivo Osteoclastogenesis from Peripheral Blood Mononuclear Cells Is Unchanged in Adults with Phenylketonuria, Regardless of Dietary Compliance. International journal of molecular sciences, 26(12).

Galati S, et al. (2025) Conventional and neuropsychological criteria for mild cognitive impairment show similar prognostic value for dementia across 12??years in a non-clinical setting. Scientific reports, 15(1), 19827.

Atiratana T, et al. (2025) The effects of Arabian jasmine on zebrafish behavior depends on strain, sex, and personality. bioRxiv : the preprint server for biology.

Oetzel JG, et al. (2025) A short pragmatic tool for evaluating community engagement: Partnering for Health Improvement and Research Equity. Frontiers in public health, 13, 1539864.

Beerse M, et al. (2025) Employing a single trial motor equivalent analysis for the assessment of motor learning. Experimental brain research, 243(7), 179.

Zhou S, et al. (2025) Improving children's visual health by integrating motor imagery training into physical education classes. *Frontiers in psychology*, 16, 1587481.

Urbanos G, et al. (2025) Comprehensive predictive modeling in subarachnoid hemorrhage: integrating radiomics and clinical variables. *Neurosurgical review*, 48(1), 528.

Boujelbane MA, et al. (2025) Regional variations in Mediterranean diet adherence: a sociodemographic and lifestyle analysis across Mediterranean and non-Mediterranean regions within the MEDIET4ALL project. *Frontiers in public health*, 13, 1596681.

Mulvey AG, et al. (2025) Cell Density and mRNA Expression of Inhibitory Interneurons in Schizophrenia: A Meta-Analysis. *bioRxiv : the preprint server for biology*.

Zhang H, et al. (2025) The Neurophysiological Paradox of AI-Induced Frustration: A Multimodal Study of Heart Rate Variability, Affective Responses, and Creative Output. *Brain sciences*, 15(6).

Zhang C, et al. (2025) Assessing the viability of heart rate variability as an objective and comprehensive indicator of chronic non-specific neck pain. *PloS one*, 20(7), e0326357.

Cantillo-Negrete J, et al. (2025) The ReHand-BCI trial: a randomized controlled trial of a brain-computer interface for upper extremity stroke neurorehabilitation. *Frontiers in neuroscience*, 19, 1579988.

Yu X, et al. (2025) Effect of acceptance and commitment therapy for adolescent depression: a meta-analysis. *Frontiers in psychiatry*, 16, 1506822.

Ma L, et al. (2025) Effects of virtual reality on spatiotemporal gait parameters and freezing of gait in Parkinson's disease. *NPJ Parkinson's disease*, 11(1), 148.

Bennett SD, et al. (2025) Feasibility, acceptability and preliminary effectiveness of a mental health drop-in centre for the siblings of young people attending a paediatric hospital. *Journal of child health care : for professionals working with children in the hospital and community*, 29(2), 381.

Chulvi-Medrano I, et al. (2025) Exploring the Rating of Perceived Exertion in the First Repetition (RPE-1) on Post-Activation Performance Enhancement in Trained Individuals: A Pilot Study. *Sports (Basel, Switzerland)*, 13(6).

Landfeldt E, et al. (2025) Agreement Between Child Self- and Parent Proxy-Reports of Health-Related Quality of Life in Spinal Muscular Atrophy: Preliminary Insights from a Nationwide Patient Registry in Germany. *Patient related outcome measures*, 16, 93.

Huang P, et al. (2025) Surface electromyographic characteristics of lower limb muscles in frail older adults: Protocol for an observational case - control study. *PloS one*, 20(7), e0325356.