

Resource Summary Report

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Northwestern University Integrated Molecular Structure Education and Research Center Core Facility

RRID:SCR_017874

Type: Tool

Proper Citation

Northwestern University Integrated Molecular Structure Education and Research Center Core Facility (RRID:SCR_017874)

Resource Information

URL: <http://imserc.facilities.northwestern.edu/>

Proper Citation: Northwestern University Integrated Molecular Structure Education and Research Center Core Facility (RRID:SCR_017874)

Description: Core provides access to NMR, mass spectrometry, X-Ray crystallography instruments and education on use of instrumentation needed for molecular structure characterization.

Abbreviations: IMSERC

Synonyms: Integrated Molecular Structure Education and Research Center at Northwestern

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

Keywords: ABRF

Availability: Open

Resource Name: Northwestern University Integrated Molecular Structure Education and Research Center Core Facility

Resource ID: SCR_017874

Alternate IDs: ABRF_722

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260731T043016+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Integrated Molecular Structure Education and Research Center Core Facility.

No alerts have been found for Northwestern University Integrated Molecular Structure Education and Research Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Cavaliere JP, et al. (2026) Amphiphilic Polymeric Micelle Spherical Nucleic Acids (SNAs) as Drug Delivery Vehicles. *Bioconjugate chemistry*, 37(1), 83.

Kamin AA, et al. (2026) Permanently porous cycloparaphenylene nanohoops via supramolecular engineering. *Chemical science*, 17(2), 1167.

Frimpong SO, et al. (2026) Tailoring a 3D Covalent Organic Framework Toward Facile Functionalization. *Small (Weinheim an der Bergstrasse, Germany)*, 22(3), e11087.

Kulaksizoglu A, et al. (2026) Discovering Complex Metal Chalcogenide Nanostructures through Nanoreactor-Mediated Synthesis. *Journal of the American Chemical Society*, 148(1), 1692.

Kong XJ, et al. (2026) Torsional Flexibility Tuning of Hexa-Carboxylate Ligands to Unlock Distinct Topological Access to Zirconium Metal-Organic Frameworks. *Journal of the American Chemical Society*.

Huang YW, et al. (2025) Propylene-Ethylene Copolymer Covalent Adaptable Networks Synthesized by Resonance-Stabilized, Radical-Based Reactive Processing with Excellent Elevated-Temperature Creep Resistance. *ChemSusChem*, 18(20), e202501137.

Chan RR, et al. (2025) Programming Defects and Cavities into Colloidal Crystals Engineered With DNA. *Advanced materials (Deerfield Beach, Fla.)*, e03522.

Feng Z, et al. (2025) Silylative Amide to Nitrile Conversion Mediated by Simple Lanthanide-Organoamides: Scope and Mechanism. *Angewandte Chemie (International ed. in English)*, e202513996.

Zhang R, et al. (2025) Double-Walled Mesoporous Hydrogen-Bonded Organic Frameworks with High Methane Storage Capacity. *Journal of the American Chemical Society*, 147(19), 16412.

Huang C, et al. (2025) Electrostatically Enhanced Buried Interface Binding of Self-Assembled Monolayers for Efficient And Stable Inverted Perovskite Solar Cells. *Advanced materials* (Deerfield Beach, Fla.), e08740.

Vijayan V, et al. (2025) Structure-specific Mini-Prion Model for Alzheimer's Disease Tau Fibrils. *bioRxiv : the preprint server for biology*.

Kayaalp Nalbant E, et al. (2025) A novel therapy to ameliorate nitrogen mustard-induced limbal stem cell deficiency using lipoprotein-like nanoparticles. *NPJ Regenerative medicine*, 10(1), 14.

Wang J, et al. (2025) Surface Charge Heterogeneity and Mechanisms of Organic Binding Modes on an Iron Oxyhydroxide. *Environmental science & technology*, 59(51), 27853.

Tang X, et al. (2025) Solvent-Directed Assembly of π -Stacked 3D Metal-Organic Frameworks with Tunable Conductivity Enhanced by C60 Encapsulation. *Journal of the American Chemical Society*, 147(24), 20899.

Koocher NZ, et al. (2025) Tunable Negative Thermal Expansion in Layered Perovskite Ba₃Zr₂S₇. *Inorganic chemistry*, 64(22), 10761.

Brown TK, et al. (2025) Sulfonated PEDOT-Modified Decellularized Arteries as Electroactive Scaffolds for Vascular Tissue Engineering. *Journal of biomedical materials research. Part A*, 113(12), e70002.

Lee S, et al. (2025) Examining Metal Identity and Proximity Effects on Acetylene Hydrogenation with Azolate-Based MOFs. *ACS applied materials & interfaces*, 17(50), 67989.

Lai Q, et al. (2025) Stable single-site organonickel catalyst preferentially hydrogenolyses branched polyolefin C-C bonds. *Nature chemistry*.

Kelch SE, et al. (2025) Mechanisms of water retention at carbohydrate-clay interfaces. *PNAS nexus*, 4(8), pgaf259.

Claman AC, et al. (2025) Modular Supramolecular Assembly through Clickable Hemilabile Ligands via the Weak-Link Approach. *Inorganic chemistry*, 64(42), 21244.