

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/>

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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: access service resource, core facility, 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: 20260905T133414+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 49 mentions in open access literature.

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

Hebron DP, et al. (2026) Bis-hydroxylation of Homocitrulline Catalyzed by a Multinuclear Nonheme Iron-Dependent Oxidative Enzyme during RiPP Biosynthesis. *bioRxiv* : the preprint server for biology.

Kang KM, et al. (2026) Inactivation of ornithine aminotransferase by (1R,4S)-4-Amino-3-(trifluoromethyl)cyclopent-2-ene-1-carboxylic acid via a stable quinonoid intermediate. *Medicinal chemistry research : an international journal for rapid communications on design and mechanisms of action of biologically active agents*, 35(4), 792.

Zhao X, et al. (2026) Supramolecular Modulation of Photoinduced Charge Transfer: Tuning Between Tunneling and Incoherent Hopping. *Angewandte Chemie (International ed. in English)*, 65(27), e6007000.

Best SL, et al. (2026) First Reported Human Cases of Urolithin A Renal Calculi. *Kidney international reports*, 11(6), 106515.

Lewis JA, et al. (2026) Nonionic peptide amphiphiles and their supramolecular co-assemblies tune charge density and bioactivity. *Journal of materials chemistry. B*, 14(20), 6252.

Chauvin IM, et al. (2026) Discovery of Suomilide and Cyanopeptolin Analogues by ¹⁵N Stable Isotope Labeling and Genome Mining of Cyanobacteria. *Journal of natural products*, 89(2), 573.

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

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

Bindi J, et al. (2026) Human Transthyretin with a Tailored Gd(III) Complex as a High-Relaxivity MRI Contrast Agent. *Inorganic chemistry*, 65(17), 9680.

Madsen KE, et al. (2026) A miniaturized implantable electrochemical platform for continuous monitoring of metabolites in deep tissue. *Science advances*, 12(22), eadz8930.

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

Christenson GN, et al. (2026) Vibronic Dynamics Localize Charge in Photoexcited CoFe Prussian Blue Analogue Nanoparticles. *The journal of physical chemistry letters*, 17(10), 2871.

Ragosta MC, et al. (2026) The modulation of AUF1 regulates the R-loop resolution activating the immune response in DDR. *iScience*, 29(6), 115900.

Acharyya P, et al. (2026) Deterministic Control of Sn³⁺ Valence and Electronic Phase Evolution in AgSnSe₂. *Journal of the American Chemical Society*, 148(6), 6602.

Chiu J, et al. (2026) High-Curvature Features Improve Targeting of Nanoconstructs with Small-Molecule Ligands. *Nano letters*, 26(13), 4394.

Wang F, et al. (2026) Mechanism-Based Inactivation of Human Ornithine Aminotransferase by Ethynyl- and Nitrile-Substituted Cyclopentene Analogues of α -Aminobutyric Acids. *Journal of the American Chemical Society*, 148(28), 30301.

Liu X, et al. (2026) Programmable Stepwise Heteroepitaxial Growth of Colloidal Crystals With Different Phases. *Advanced materials (Deerfield Beach, Fla.)*, 38(38), e73583.

Hegarty J, et al. (2026) Structure-Property Relationships for Moisture-Swing Direct Air Capture. *Environmental science & technology*, 60(16), 12145.

Hart DR, et al. (2026) Covalent Adaptable Networks from Commodity Polybutadiene and Rubber Waste. *JACS Au*, 6(1), 631.

Metlushko A, et al. (2026) Design of Neuronal Supramolecular Scaffolds Integrating Cell Signaling and Electrical Conductivity. *ACS biomaterials science & engineering*, 12(4), 2285.