

Resource Summary Report

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National High Magnetic Field Laboratory Ion Cyclotron Resonance Core Facility

RRID:SCR_017361

Type: Tool

Proper Citation

National High Magnetic Field Laboratory Ion Cyclotron Resonance Core Facility
(RRID:SCR_017361)

Resource Information

URL: <https://nationalmaglab.org/user-facilities/icr>

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Description: Facility provides service operations for sample analysis that requires ultrahigh resolution and high mass accuracy of Fourier Transform Ion Cyclotron Resonance. Used for research in biomolecular analysis, hydrogen-deuterium exchange and environmental and petrochemical analysis. Four FT-ICR mass spectrometers feature high magnetic fields including the world-record 21 tesla and are compatible with multiple ionization and fragmentation techniques.

Abbreviations: ICR, FT-ICR

Synonyms: National High Magnetic Field Laboratory Ion Cyclotron Resonance Facility, Ion Cyclotron Resonance Facility, NHMF Laboratory Cyclotron Resonance Facility

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

Keywords: FT-ICR, ICR, Ion Cyclotron Resonance, Fourier Transform Ion Cyclotron Resonance, analysis, spectrometer, magnetic, field, tesla, ionization, fragmentation, technique

Funding: Department of Defense ;
Department of Energy ;
Florida State ;
NIH ;
NSF

Availability: Restricted

Resource Name: National High Magnetic Field Laboratory Ion Cyclotron Resonance Core Facility

Resource ID: SCR_017361

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260829T183315+0000

Ratings and Alerts

No rating or validation information has been found for National High Magnetic Field Laboratory Ion Cyclotron Resonance Core Facility.

No alerts have been found for National High Magnetic Field Laboratory Ion Cyclotron Resonance Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

LeClerc HO, et al. (2022) Hydroxyapatite catalyzed hydrothermal liquefaction transforms food waste from an environmental liability to renewable fuel. iScience, 25(9), 104916.