

Resource Summary Report

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University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility

RRID:SCR_025127

Type: Tool

Proper Citation

University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility (RRID:SCR_025127)

Resource Information

URL: <https://researchservices.pitt.edu/facilities/materials-characterization-lab>

Proper Citation: University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility (RRID:SCR_025127)

Description: Facility maintains large array of instrumentation for production and analysis of complex materials, including nanoparticles, thin films, polymers, ceramics, and molecular electronics. Oversees operations of Department Biological Instrumentation Cluster which provides access to specialized equipment used in molecular biology and biological chemistry.

Abbreviations: MCL

Synonyms: University of Pittsburgh Dietrich School Materials Characterization Laboratory

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

Keywords: ABRF, production and analysis of complex materials, nanoparticles, thin films, polymers, ceramics, molecular electronics,

Resource Name: University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility

Resource ID: SCR_025127

Alternate IDs: ABRF_2672

Alternate URLs: <https://coremarketplace.org/?FacilityID=2672&citation=1>

Record Creation Time: 20240320T053304+0000

Record Last Update: 20260818T043757+0000

Ratings and Alerts

No rating or validation information has been found for University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility.

No alerts have been found for University of Pittsburgh Dietrich School Materials Characterization Laboratory Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Lucht BM, et al. (2026) Axially Chiral Bifluorenylidene Radical Anions with Long Spin-Lattice Relaxation Times at Room Temperature in Fluid Solution. Journal of the American Chemical Society, 148(22), 22921.

Harding PA, et al. (2026) Zeolitic imidazolate frameworks (ZIF-8) as a carrier in a topical ocular delivery system for the treatment of ocular diseases. PloS one, 21(4), e0346473.

Westbay JH, et al. (2026) Synthesis and characterization of an injectable telechelic material for the epiretinal delivery of retinal gene therapies. Journal of materials chemistry. B, 14(12), 3703.

Kundu S, et al. (2026) Interactions of the DNA Nanostructure with Silane-Based Self-Assembled Monolayers. Langmuir : the ACS journal of surfaces and colloids, 42(14), 9754.

Zhang Z, et al. (2026) Harnessing albumin as a carrier for the delivery of anti-HIV drugs to the lymphatic system. Acta biomaterialia, 209, 521.

Kundu S, et al. (2026) Intrinsic Wettability of Talc. Langmuir : the ACS journal of surfaces and colloids, 42(9), 6637.

Shiby E, et al. (2025) Interplay between Chiro-Optical and Spin Transport Properties in Chiral CdSe Quantum Dots. ACS nano.

Mandato A, et al. (2025) Q-Band Double Quantum Coherence ESR for Sensitive Nitroxide-Based Distance Measurements. The journal of physical chemistry. B, 129(28), 7108.

Eckhart KE, et al. (2021) Tunable, bacterio-instructive scaffolds made from functional graphenic materials. Biomaterials science, 9(7), 2467.

Mandal A, et al. (2016) MAS ^1H NMR Probes Freezing Point Depression of Water and Liquid-Gel Phase Transitions in Liposomes. *Biophysical journal*, 111(9), 1965.

Gao Y, et al. (2014) Total Synthesis and Biological Studies of TMC-205 and Analogues as Anticancer Agents and Activators of SV40 Promoter. *ACS medicinal chemistry letters*, 5(8), 863.