

Resource Summary Report

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Pennsylvania State University Materials Characterization Lab Core Facility

RRID:SCR_012386

Type: Tool

Proper Citation

Pennsylvania State University Materials Characterization Lab Core Facility
(RRID:SCR_012386)

Resource Information

URL: <https://www.mri.psu.edu/materials-characterization-lab>

Proper Citation: Pennsylvania State University Materials Characterization Lab Core Facility (RRID:SCR_012386)

Description: Fully-staffed, open access, analytical research facility at Penn State's Materials Research Institute. Provided services include Surface Analysis (XPS, AFM, AES), Electron Microscopy (TEM, SEM, FIB, EPMA), X-ray Scattering (XRD and SAXS), Molecular Spectroscopy (FTIR, Raman, UV-VIS-NIR), Electrical Testing, Optical Microscopy, Thermal Analysis, Mechanical Testing, and Sample Preparation.

Abbreviations: PSU MCL

Synonyms: , Penn State Materials Characterization Lab, Materials Characterization Lab, Pennsylvania State University Materials Characterization Lab

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

Keywords: ABRF, Surface Analysis, Electron Microscopy, X-ray Scattering, Molecular Spectroscopy, Electrical Testing, Optical Microscopy, Thermal Analysis, Mechanical Testing, Sample Preparation,

Resource Name: Pennsylvania State University Materials Characterization Lab Core Facility

Resource ID: SCR_012386

Alternate IDs: SciEx_12838, ABRF_3112

Alternate URLs: <https://coremarketplace.org/?FacilityID=3112&citation=1>

Old URLs: <http://www.scienceexchange.com/facilities/materials-characterization-lab>

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260912T200341+0000

Ratings and Alerts

No rating or validation information has been found for Pennsylvania State University Materials Characterization Lab Core Facility.

No alerts have been found for Pennsylvania State University Materials Characterization Lab Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Tillinger D, et al. (2026) Multi-Material Droplet-Based Hydrogel Threads for Extrusion 3D Printing. *Small methods*, 10(5), e00928.

Tillinger D, et al. (2026) Electric-Fish-Inspired Thin Hydrogel Electrocytes Achieve High Power Density and Environmental Robustness. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(9), e19348.

Kim SY, et al. (2026) Phenanthrenequinone, a Nonvolatile, Nonhalogenated Solid Additive, for Enhancing Thermal Stability in Organic Solar Cells. *ACS materials Au*, 6(4), 671.

Spangler RW, et al. (2026) Millimeter-Scale Single-Crystal α -MoO₃ Nanosheets Grown by Alkali Salt-Assisted Chemical Vapor Deposition. *ACS nano*, 20(28), 20379.

Skrodzki D, et al. (2026) A Dual-Pronged Hafnia-Prodrug-Lipid Nanoplatfrom Coupling Radiosensitization and DNA Homologous Recombination Inhibition. *ACS nano medicine*, 1(6), 1456.