Resource Summary Report

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Boise State University Fabrication, Characterization, and Testing Core Facility

RRID:SCR_024733
Type: Tool

Proper Citation

Boise State University Fabrication, Characterization, and Testing Core Facility (RRID:SCR_024733)

Resource Information

URL: https://www.boisestate.edu/bri/fact-core-facility/

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Description: Core contains instrumentation and expertise for fabrication, characterization, and testing of biomedical devices, sensors, and systems. Core administratively combines 4 existing engineering cores: the Idaho Microfabrication Laboratory (IML); Boise State Center for Materials Characterization (BSCMC); Research Machining and Engineering (RME) center; and Biomechanics and Mechanobiology (BMMB) facility.Offers variety of instruments including 3D printers, deposition and photolithography tools, profilometers, SEM, TEM, light microscopy, confocal microscopy, cell culture. Offers services including design, machining, imaging, etc.

Abbreviations: FaCT

Synonyms: Boise State University BSU FaCT Core, , BSU FaCT Core

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

Keywords: ABRF, fabrication, characterization, testing, biomedical devices, sensors and systems, engineering core,

Availability: Open

Resource Name: Boise State University Fabrication, Characterization, and Testing Core Facility

Resource ID: SCR_024733

Alternate IDs: ABRF_2547

Alternate URLs: https://coremarketplace.org/?FacilityID=2547&citation=1

Old URLs: https://www.boisestate.edu/brc-cobre/convergent-engineering-and-biomolecular-sciences-cebs/

Record Creation Time: 20231204T190628+0000

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Ratings and Alerts

No rating or validation information has been found for Boise State University Fabrication, Characterization, and Testing Core Facility.

No alerts have been found for Boise State University Fabrication, Characterization, and Testing Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Ackley J, et al. (2026) Structural Design of Bismuth Telluride Nanoplates through Process Variables. Chemistry of materials : a publication of the American Chemical Society, 38(6), 2649.

Smith DB, et al. (2026) How to Apply Social Network Analysis to Evaluate Professional Development Programs in Biomedical Research. Current protocols, 6(3), e70330.

Crockett LM, et al. (2026) A novel optically gated thin-film transistor sensor for real-time chemical differentiation using machine-learning analysis. Biosensors & bioelectronics: X, 30.

Barnes P, et al. (2026) Non-uniform cycling of Li metal batteries: Impacts to life and performance. Journal of power sources, 681.

Saxena S, et al. (2025) Probing the Compositional and Structural Effects on the Electrochemical Performance of Na(Mn-Fe-Ni)O2 Cathodes in Sodium-Ion Batteries. Battery energy.

Khadka NK, et al. (2025) Mechanical Properties of Eye Lens Cortical and Nuclear Membranes and the Whole Lens. Investigative ophthalmology & visual science, 66(1), 27.

Pratap A, et al. (2025) Multifunctional E-Tattoos Based on Electrospun PVBVA Fibers Coated with Ti3C2Tx MXene for Energy Harvesting, Energy Storage, and Biometric

Sensing. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e18697.

Efaw CM, et al. (2025) Pressure effects on lithium anode/nickel-manganese-cobalt oxide cathode pouch cells through fixture design. Device, 3(4).

Okebiorun M, et al. (2025) Trypan Blue Image-Guided Removal of Surface-Based Bacterial Biofilms from Chicken Tissue Using Cold Atmospheric Pressure Plasma. Plasma (Basel, Switzerland), 8(3).

Bland Miller LG, et al. (2025) Spatial mapping of the localized corrosion behavior of a magnesium alloy AZ31B tungsten inert gas weld. Journal of magnesium and alloys, 13(1), 193.

Hu J, et al. (2025) Single Crystalline Na0.67Ni0.33Mn0.67O2 Positive Electrode Material via Molten Salt Synthesis for Sodium Ion Batteries. ACS applied energy materials, 8(8), 4941.

Kouchi FR, et al. (2025) StableTi3C2Tx MXene Ink Formulation and High-Resolution Aerosol Jet Printing for High-Performance MXene Supercapacitors. Small methods, e2500499.

Saxena S, et al. (2025) Compositional Tuning of Fe/Mn and Fe/Ni Ratios in P3-Type Cathodes Enables High Energy Density Sodium-Ion Batteries. Materials today. Energy, 53.

Pieczulewski N, et al. (2025) Achieving 0.05 ?-mm contact resistance in non-alloyed Ti/Au ohmics to ?-Ga2O3 by removing surface carbon. APL materials, 13(6), 061122.

Dagar N, et al. (2025) Synthesis, Structure, and Electrochemical Behaviour of O3-type NaNi1/3Mn1/3Al1/3O2. Electrochimica acta, 541.

Dagar N, et al. (2025) Ti-substitution Facilitating Anionic Redox and Cycle Stability in P2-type Na2/3Mn2/3Ni1/3O2 Na-ion Battery Cathode. Energy & fuels : an American Chemical Society journal, 39(6), 3348.

Ragunath BS, et al. (2025) Multilayered Ti3C2Tx MXene as a highly active electrocatalyst for hydrogen evolution reaction. International journal of hydrogen energy, 187.

Thelven JM, et al. (2025) "Three-Color" Chemical Selectivity between Oxide, Nitride, and Silicon: Area-Selective Deposition of Metal Oxide and Polymer on SiN and Si-H versus SiO2. Advanced materials technologies.

Roy SK, et al. (2025) Tunable and robust optical and structural properties of a cooperative squaraine-dye aggregate-DNA DX-DAE tile system. Nanoscale, 17(32), 18646.

Ragunath BS, et al. (2025) A Rapid and Facile Synthesis of Ti3AlC2 MAX phase by a Probe Sonication. Small methods, e01026.