Resource Summary Report

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Colorado State University Analytical Resources Core Facility

RRID:SCR_021758
Type: Tool

Proper Citation

Colorado State University Analytical Resources Core Facility (RRID:SCR_021758)

Resource Information

URL: https://www.research.colostate.edu/arc/

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Description: Core is comprised of Materials and Molecular Analysis (MMA), Imaging and Surface Science (ISS), and Bioanalysis and Omics (BIO) centers. MMA provides instrument capabilities and expertise in spectroscopic (optical, NMR, EPR), mass spectrometry, X-ray and materials (magnetic, thermal, physical) characterization of synthetic, environmental and biological materials, both at bulk and molecular scales; BIO provides analysis of complex biological samples using modern mass spectrometry based metabolomics and proteomics approaches, including supporting cheminformatics; ISS provides analysis of complex biological and inorganic samples using near and far field imaging methods, spectroscopy, and other surface analyses.

Abbreviations: ARC

Synonyms: Analytical Resources Core

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

Keywords: USEDit, ABRF, Materials Analysis, Molecular Analysis, NMR, EPR, Mass Spectrometry, Spectroscopy, Imaging, Microscopy, Surface Science, Proteomics, Metabolomics

Resource Name: Colorado State University Analytical Resources Core Facility

Resource ID: SCR_021758

Alternate IDs: ABRF_1206

Alternate URLs: https://coremarketplace.org/?FacilityID=1206

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260801T191247+0000

Ratings and Alerts

No rating or validation information has been found for Colorado State University Analytical Resources Core Facility.

No alerts have been found for Colorado State University Analytical Resources Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 90 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Lee OA, et al. (2026) A Modular Route toward Macromer-Based Dynamic Gels via Prebonded Boronic Ester Cross-Links. ACS macro letters, 15(1), 215.

Haines LA, et al. (2025) Non-Specific Particle Formation During Extracellular Vesicle Labelling With the Lipophilic Membrane Dye PKH26. Journal of extracellular vesicles, 14(5), e70079.

Madruga LYC, et al. (2025) Carboxymethyl kappa-carrageenan polyelectrolyte multilayers: anticoagulant blood-compatible coatings as sustainable alternatives to heparin for blood-contacting surfaces. Research square.

Ramirez H, et al. (2025) 8-Oxo-7,8-dihydropurines as Building Blocks to Enhance the Selectivity of an RNA Aptamer for Aminoglycosides. ACS chemical biology.

Zhao Y, et al. (2025) Organocatalyzed Atom Transfer Radical Polymerization (O-ATRP) Using a Super-Reducing Photoredox Catalyst. Angewandte Chemie (International ed. in English), 64(47), e202517641.

Lathrop JL, et al. (2025) Impact of Oxygen and Sulfur Heteroatom Core Substitution on Catalyst Properties of Phenoxazines and Their Performance in Organocatalyzed Atom Transfer Radical Polymerization (O-ATRP). Chemistry (Weinheim an der Bergstrasse, Germany), 31(50), e202501179.

Zhao Y, et al. (2025) Chemically Recyclable and Tunable Polyolefin-Like Multiblock Copolymer Adhesives. Angewandte Chemie (International ed. in English), 64(43), e202513286.

Durán Hernández O, et al. (2025) Fabrication and Characterization of Highly Porous Gyroid Scaffolds Composed of Deproteinized Bone Mineral. Journal of functional biomaterials, 16(4).

Dojan CF, et al. (2025) Additive manufacturing of carbon fiber-reinforced thermoset composites via in-situ thermal curing. Nature communications, 16(1), 4691.

Lian E, et al. (2025) Cell envelope polysaccharide modifications alter the surface properties and interactions of Mycobacterium abscessus with innate immune cells in a morphotype-dependent manner. mBio, 16(4), e0032225.

Savargaonkar AV, et al. (2025) Anti-Bacterial Properties and Hemocompatibility of Alkali Treated Nano-Structured Micro-Porous Titanium Surfaces. Biomimetics (Basel, Switzerland), 10(2).

De P, et al. (2025) Harnessing enzyme promiscuity of alditol-2-dehydrogenases for oxidation of alditols to enantiopure ketoses. PloS one, 20(6), e0325955.

Aragon J, et al. (2025) Impacts of Vincristine and Prednisolone Chemotherapy on the Canine Gut Microbiota in Dogs Undergoing Treatment for Lymphoma. Veterinary and comparative oncology, 23(3), 388.

Üngör Ö, et al. (2025) 59Co Thermal Sensitivity in Co(III) Trisdithiocarbamate Complexes. Inorganic chemistry, 64(13), 6531.

Mondol R, et al. (2025) Synthesis & Magnetic Properties of an Antimony Chelate ('XantSb2') Supported Cobalt(II): Rare Example of a 5p|3d Paramagnetic Complex. Inorganic chemistry.

Monroe L, et al. (2025) Mechanoepigenetic Targeting of Histone Methyltransferase EZH2 Increases Potential of Scalable Manufacturing in Human Derived Primary Mesenchymal Stromal Cells. bioRxiv : the preprint server for biology.

Newsome RC, et al. (2025) Microbial-derived immunostimulatory small molecule augments anti-PD-1 therapy in lung cancer. Cell reports. Medicine, 102519.

Hu Z, et al. (2025) Sustainable Structural Hot-Melt Adhesives Enabled by Functionalized Crystalline Lamellae. Advanced materials (Deerfield Beach, Fla.), e18259.

Hooker LV, et al. (2025) Capturing Unstable Carbanionic Intermediates via Halogen Transfer: Base-Promoted Oxidative Coupling Reactions of ?,?-Difluoromethylarenes. Angewandte Chemie (International ed. in English), 64(21), e202502894.

Bains AK, et al. (2025) Efficient super-reducing organic photoredox catalysis with proton-coupled electron transfer mitigated back electron transfer. Science (New York, N.Y.), 388(6753), 1294.