

Resource Summary Report

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University of Colorado Boulder High Performance Computing PetaLibrary Core Facility

RRID:SCR_019299

Type: Tool

Proper Citation

University of Colorado Boulder High Performance Computing PetaLibrary Core Facility
(RRID:SCR_019299)

Resource Information

URL: <https://www.colorado.edu/rc/resources/petalibrary>

Proper Citation: University of Colorado Boulder High Performance Computing PetaLibrary Core Facility (RRID:SCR_019299)

Description: Provides service to support storage, archival, and sharing of research data. Available at subsidized cost to any researcher affiliated with University of Colorado Boulder.

Abbreviations: PetaLibrary

Synonyms: Colorado University at Boulder High Performance Computing PetaLibrary Core Facility, High Performance Computing - CU PetaLibrary, University of Colorado at Boulder High Performance Computing PetaLibrary Core Facility

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

Keywords: USEDit, ABRF, research data support storage, research data archival, research data sharing

Funding: NSF ACI-1532235;
NSF ACI-1532236

Availability: Restricted

Resource Name: University of Colorado Boulder High Performance Computing PetaLibrary Core Facility

Resource ID: SCR_019299

Alternate IDs: ABRF_1097

Alternate URLs: <https://coremarketplace.org/?FacilityID=1097>

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260804T043715+0000

Ratings and Alerts

No rating or validation information has been found for University of Colorado Boulder High Performance Computing PetaLibrary Core Facility.

No alerts have been found for University of Colorado Boulder High Performance Computing PetaLibrary Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Zablah JE, et al. (2025) Computational Fluid Dynamic Assessment of Patients with Congenital Heart Disease from 3D Rotational Angiography. *Pediatric cardiology*, 46(2), 458.

Majee S, et al. (2025) Understanding embolus transport and source to destination mapping of thromboemboli in hemodynamics driven by left ventricular assist device. *Scientific reports*, 15(1), 12150.

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.

Winetroun JJ, et al. (2025) Prediction of carbon nanostructure mechanical properties and the role of defects using machine learning. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2415068122.

Brasher MS, et al. (2024) Disentangling differing relationships between internalizing disorders and alcohol use. *American journal of medical genetics. Part B, Neuropsychiatric genetics : the official publication of the International Society of Psychiatric Genetics*, 195(5), e32975.

Bisht R, et al. (2023) Metal-Free Arylation of Benzothiophenes at C4 by Activation as their Benzothiophene S-Oxides. *Angewandte Chemie (International ed. in English)*, 62(29), e202302418.

Shao X, et al. (2023) Voltage-Modulated Untwist Deformations and Multispectral Optical Effects from Ion Intercalation into Chiral Ceramic Nanoparticles. *Advanced materials* (Deerfield Beach, Fla.), 35(16), e2206956.

Smith O, et al. (2023) Control of stereogenic oxygen in a helically chiral oxonium ion. *Nature*, 615(7952), 430.

Wang K, et al. (2023) Efficient photon upconversion enabled by strong coupling between silicon quantum dots and anthracene. *Nature chemistry*, 15(8), 1172.

Dill RD, et al. (2023) Entangled spin-polarized excitons from singlet fission in a rigid dimer. *Nature communications*, 14(1), 1180.

Park G, et al. (2022) Fabrication of Arrays of Topological Solitons in Patterned Chiral Liquid Crystals for Real-Time Observation of Morphogenesis. *Advanced materials* (Deerfield Beach, Fla.), 34(29), e2201749.

Kawamura MY, et al. (2022) Mechanistic Aspects on [3+2] Cycloaddition (32CA) Reactions of Azides to Nitroolefins: A Computational and Kinetic Study. *Chemistry* (Weinheim an der Bergstrasse, Germany), 28(69), e202202294.

Foreman MM, et al. (2022) Ion Binding Site Structure and the Role of Water in Alkaline Earth EDTA Complexes. *The journal of physical chemistry letters*, 13(36), 8558.

Yang CK, et al. (2022) Near-Cloud Aerosol Retrieval Using Machine Learning Techniques, and Implied Direct Radiative Effects. *Geophysical research letters*, 49(20), e2022GL098274.

Mai Z, et al. (2021) Nematic Order, Plasmonic Switching and Self-Patterning of Colloidal Gold Bipyramids. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 8(22), e2102854.

Balbona JV, et al. (2021) Estimation of Parental Effects Using Polygenic Scores. *Behavior genetics*, 51(3), 264.

Lamson AR, et al. (2021) Comparison of explicit and mean-field models of cytoskeletal filaments with crosslinking motors. *The European physical journal. E, Soft matter*, 44(3), 45.

Edelmaier C, et al. (2020) Mechanisms of chromosome biorientation and bipolar spindle assembly analyzed by computational modeling. *eLife*, 9.

Liu B, et al. (2020) Unconventional Reactivity of Ethynylbenziodoxolone Reagents and Thiols: Scope and Mechanism. *Chemistry* (Weinheim an der Bergstrasse, Germany), 26(11), 2386.

North JA, et al. (2020) A nitrogenase-like enzyme system catalyzes methionine, ethylene, and methane biogenesis. *Science* (New York, N.Y.), 369(6507), 1094.