Resource Summary Report

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North Carolina State University High Performance Computing Services Core Facility

RRID:SCR_022168
Type: Tool

Proper Citation

North Carolina State University High Performance Computing Services Core Facility (RRID:SCR_022168)

Resource Information

URL: https://hpc.ncsu.edu/main.php

Proper Citation: North Carolina State University High Performance Computing Services Core Facility (RRID:SCR_022168)

Description: Core, available through NC State Office of Information Technology, provides entry and intermediate level computing resources and consulting support for research and instruction.

Synonyms: North Carolina State University NCSU High Performance Computing, NCSU High Performance Computing

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

Keywords: USEDit, ABRF, Information Technology, computing resources, consulting support

Resource Name: North Carolina State University High Performance Computing Services Core Facility

Resource ID: SCR_022168

Alternate IDs: ABRF_1344

Alternate URLs: https://coremarketplace.org/?FacilityID=1344

Record Creation Time: 20220421T050139+0000

Record Last Update: 20260905T133424+0000

Ratings and Alerts

No rating or validation information has been found for North Carolina State University High Performance Computing Services Core Facility.

No alerts have been found for North Carolina State University High Performance Computing Services Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Misawa R, et al. (2026) Successive Orthorhombic Distortions in Kagome Metals by Molecular Orbital Formation. Advanced materials (Deerfield Beach, Fla.), 38(8), e13015.

Montero de Hijes P, et al. (2026) Comparing the Mechanical and Thermodynamic Definitions of Pressure in Ice Nucleation. The journal of physical chemistry letters, 17(8), 2367.

Thayambath A, et al. (2026) Start small: A model for tissue-wide planar cell polarity without morphogens. PLoS computational biology, 22(2), e1013938.

Gancz A, et al. (2026) Successful fecal microbiota transplants in post-antibiotic treated recurrent Clostridioides difficile patients induce acylcarnitine and sphingolipid lipidomic shifts. Gut microbes reports, 3(1), 2648346.

Fang H, et al. (2026) Harnessing cooperative sorbate-sorbent adaptation in a flexible metal-organic framework for switchable hydrocarbon separation. Science advances, 12(13), eaee4346.

Aghaee Rad H, et al. (2026) Photochemical Reactions in A2X2 (A = Na, Rb and X = S, Se, Te): A Path toward Nonclassical Bonds in Metastable Compounds. Inorganic chemistry, 65(25), 13949.

Kriger SM, et al. (2026) Probing the molecular determinants of emission enhancement in RNA aptamer-metal complex systems. Photochemistry and photobiology.

Jovanovic M, et al. (2026) Metastable Materials with Linear Chains: Photoinduced Chemical Reactions in K2X2 (X = S, Se, Te). The journal of physical chemistry letters, 17(5), 1428.

Sonpal A, et al. (2026) Phosphoserine Charge State Drives Ion Condensation and Spatial Polyamine Presentation in Multirepeat Silaffin. The journal of physical chemistry. B, 130(28), 7134.

Srikanth V, et al. (2026) Hydrodynamic dispersion drives viral-cellular contact for gene delivery in porous media. Proceedings of the National Academy of Sciences of the United States of America, 123(29), e2603906123.

Singh A, et al. (2026) Assessing the Impacts of Conformational Fluxionality on Copper(II/I) Electron Transfer Self-Exchange. Journal of the American Chemical Society, 148(29), 31498.

Paul A, et al. (2026) Engineering Paramagnetic Spin Centers in Metal-Free Organic Frameworks. Journal of the American Chemical Society, 148(9), 10070.

Korth N, et al. (2026) Investigating GERMs: how genotype, environment, and rhizosphere microbiome interactions underlie heat response in maize and sorghum. The New phytologist, 251(4), 2152.

Korth N, et al. (2025) Investigating GERMs: How Genotype, Environment, and Rhizosphere Microbiome interactions underlie heat response in maize and sorghum. bioRxiv : the preprint server for biology.

Garnica VC, et al. (2025) Leveraging window-pane analysis with environmental factor loadings of genotype-by-environment interaction to identify high-resolution weather-based variables associated with plant disease. Frontiers in plant science, 16, 1637130.

Gancz AS, et al. (2025) Successful Fecal Microbiota Transplants in Post-antibiotic Treated Recurrent Clostridioides difficile Patients Induce Acylcarnitine and Sphingolipid Lipidomic Shifts. Research square.

Hughes LC, et al. (2025) Phylogenomic resolution of lampreys reveals the recent evolution of an ancient vertebrate lineage. Proceedings. Biological sciences, 292(2038), 20242101.

Gomez JM, et al. (2025) Highly dynamic mechanical transitions in embryonic cell populations during Drosophila gastrulation. Nature communications, 16(1), 6473.

Eaby AC, et al. (2025) An Ultramicroporous Physisorbent Sustained by a Trifecta of Directional Supramolecular Interactions. Journal of the American Chemical Society, 147(2), 1813.

Cao PD, et al. (2025) Conformational Analysis of Swallowtail Motifs in Porphyrins. The Journal of organic chemistry, 90(1), 146.