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: core facility, service resource, access 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: 20260731T043119+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 37 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

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.

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.

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

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

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.

Mishra A, et al. (2025) Tuning the 2LMCT Deactivation of Cyclometalated Iron Carbene Complexes with Electronic Substituent Effects. Chemistry (Weinheim an der Bergstrasse, Germany), 31(47), e01985.

Persson S, et al. (2025) Iron N-Heterocyclic Carbene Photoactive Complexes with Rigid Phenylethynyl Substituents as Ligand ??-System Extensions. Inorganic chemistry, 64(24), 12120.

Magar RT, et al. (2025) Kinetic trapping for the production of a long-lived 3MLCT excited state in Fe(II) complexes. Chemical communications (Cambridge, England), 61(98), 19489.

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

Barrios N, et al. (2025) Density Functional Theory Study of the Cellobiose Model System for Unveiling Cellulose-Water Interactions to Enhance Dewatering and Drying. The journal of physical chemistry. A, 129(23), 5018.

Choi J, et al. (2025) DFT-Based Calculation of the Vibrational Sum Frequency Generation Spectrum of Noncentrosymmetric Domains Interspersed in an Amorphous Matrix. The journal of physical chemistry. B, 129(25), 6138.

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.

Mostrom M, et al. (2025) PHAST-MBD: Implementing Many-Body Dispersion in the PHAST 2.0 Potential, Results for Noble Gases. Journal of chemical theory and computation, 21(12), 6061.

Fosu EA, et al. (2025) Fullerene Promotes CO2 Reduction to Methanol by a Cobalt(II) Phthalocyanine Electrocatalyst. Inorganic chemistry, 64(24), 12390.

Hogan A, et al. (2025) The PHAST 2.0 Force Field for General Small Molecule and Materials Simulations. Journal of chemical theory and computation, 21(12), 6034.

Barakat M, et al. (2025) Cobalt(II) Phthalocyanine Substituents Tune the Electrocatalytic CO2 Conversion to Methanol. Inorganic chemistry, 64(42), 20896.

McMillan AS, et al. (2024) Metagenomic, metabolomic, and lipidomic shifts associated with fecal microbiota transplantation for recurrent Clostridioides difficile infection. mSphere, 9(10), e0070624.

Trostle P, et al. (2024) A Gaussian-process approximation to a spatial SIR process using moment closures and emulators. Biometrics, 80(3).

Lannan J, et al. (2024) Fishnet mesh of centrin-Sfi1 drives ultrafast calcium-activated contraction of the giant cell Spirostomum ambiguum. bioRxiv : the preprint server for biology.

Gage JL, et al. (2024) Maize inbreds show allelic variation for diel transcription patterns. bioRxiv : the preprint server for biology.