Resource Summary Report

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Delft High Performance Computing Centre Core Facility

RRID:SCR_025749
Type: Tool

Proper Citation

Delft High Performance Computing Centre Core Facility (RRID:SCR_025749)

Resource Information

URL: https://www.tudelft.nl/dhpc

Proper Citation: Delft High Performance Computing Centre Core Facility (RRID:SCR_025749)

Description: Provides computational services including hardware, software and expertise for complex analysis and modelling .

Abbreviations: DHPC

Synonyms: Delft High Performance Computing Centre (DHPC), , Delft High Performance Computing Centre, Delft University of Technology High Performance Computing Centre

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

Keywords: High performance computing, computational services, DelftBlue supercomputer,

Resource Name: Delft High Performance Computing Centre Core Facility

Resource ID: SCR_025749

Alternate URLs: https://www.tudelft.nl/dhpc/ark:/44463/DelftBluePhase2

Record Creation Time: 20240919T053245+0000

Record Last Update: 20260912T200451+0000

Ratings and Alerts

No rating or validation information has been found for Delft High Performance Computing Centre Core Facility.

No alerts have been found for Delft High Performance Computing Centre Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

El Sayed K, et al. (2026) Adjoint-based PDE-constrained optimization of viscoelastic floating membrane for maximum wave power absorption. Structural and multidisciplinary optimization : journal of the International Society for Structural and Multidisciplinary Optimization, 69(3), 71.

Fu S, et al. (2026) Electrochemical CO2 Reduction in the Presence of SO2 Impurities on a Nitrogen-Doped Carbon Electrocatalyst. Journal of the American Chemical Society, 148(6), 5976.

Rahbari A, et al. (2025) Molecular Simulation of Hydrogen Systems: From Properties and Methods to Applications and Future Directions. Chemical reviews, 125(24), 11878.

Ji Y, et al. (2025) Tailoring precipitates for enhanced hydrogen trapping in aluminum alloys. Nature communications, 17(1), 279.

Landgraf V, et al. (2025) Compositional flexibility in irreducible antifluorite electrolytes for next-generation battery anodes. Journal of materials chemistry. A, 13(5), 3562.

Sharma S, et al. (2025) Machine Learning-Based Predictions of Henry Coefficients for Long-Chain Alkanes in One-Dimensional Zeolites: Application to Hydroisomerization. The journal of physical chemistry. C, Nanomaterials and interfaces, 129(40), 18234.

Al-Kutubi H, et al. (2025) Decoding Structural Disorder, Synthesis Methods, and Short- and Long-Range Lithium-Ion Transport in Lithium Argyrodites (Li6-x PS5-x Br1+x). Chemistry of materials : a publication of the American Chemical Society, 37(3), 869.

Loonen S, et al. (2025) Phosphorylation Changes SARS-CoV-2 Nucleocapsid Protein's Structural Dynamics and Its Interaction With RNA. Proteins, 93(10), 1701.

Assaf EI, et al. (2025) Improving the prediction of bitumen's density and thermal expansion by optimizing artificial neural networks with Optuna and TensorFlow. MethodsX, 15, 103524.

Sharma S, et al. (2024) Prediction of Thermochemical Properties of Long-Chain Alkanes Using Linear Regression: Application to Hydroisomerization. The journal of physical

chemistry. B, 128(39), 9619.

Sharma S, et al. (2024) Computing Entropy for Long-Chain Alkanes Using Linear Regression: Application to Hydroisomerization. Entropy (Basel, Switzerland), 26(12).

Raju D, et al. (2024) Thermophysical Properties and Phase Behavior of CO2 with Impurities: Insight from Molecular Simulations. Journal of chemical and engineering data, 69(8), 2735.

Lavrinenko AK, et al. (2024) Optimizing ionic transport in argyrodites: a unified view on the role of sulfur/halide distribution and local environments. Journal of materials chemistry. A, 12(39), 26596.

Polat HM, et al. (2024) Diffusivity of CO2 in H2O: A Review of Experimental Studies and Molecular Simulations in the Bulk and in Confinement. Journal of chemical and engineering data, 69(10), 3296.

Hulikal Chakrapani T, et al. (2024) Mutual Diffusivities of Mixtures of Carbon Dioxide and Hydrogen and Their Solubilities in Brine: Insight from Molecular Simulations. Industrial & engineering chemistry research, 63(23), 10456.