

Resource Summary Report

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BUSTER

RRID:SCR_015653

Type: Tool

Proper Citation

BUSTER (RRID:SCR_015653)

Resource Information

URL: <https://www.globalphasing.com/buster/>

Proper Citation: BUSTER (RRID:SCR_015653)

Description: Software for structure refinement.

Resource Type: source code, software resource

Defining Citation: [PMID:22505257](#)

Keywords: structure refinement, statistical analysis, entropy, likelihood

Funding: VIZIER LSHG-CT-2004-511960;
SILVER FP7-HEALTH-F3-2010-260644

Availability: Commercially available, Available for download, Password required, Tutorial available

Resource Name: BUSTER

Resource ID: SCR_015653

Alternate URLs: <https://www.globalphasing.com/buster/wiki/>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260810T040643+0000

Ratings and Alerts

No rating or validation information has been found for BUSTER.

No alerts have been found for BUSTER.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 547 mentions in open access literature.

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

Peirano E, et al. (2026) Trio analysis in dystonia identifies de novo KLC1 variants in a kinesinopathy with distinct motor and neurodevelopmental features. *EBioMedicine*, 129, 106358.

Žerný J, et al. (2026) New targets and procedures for validating the valence geometry of nucleic acid structures. *Nucleic acids research*, 54(1).

Gérard SF, et al. (2026) Structural basis for carbohydrate recognition by the Gal/GalNAc lectin of *Entamoeba histolytica* involved in host cell adhesion. *PLoS pathogens*, 22(2), e1013948.

Romanyuk Z, et al. (2026) Yeast Display Technology Enables Rapid Discovery of Low-Nanomolar Macrocyclic Peptide Inhibitors of Human Angiotensin-Converting Enzyme 2. *Journal of medicinal chemistry*, 69(7), 7689.

Sng XYX, et al. (2026) Fibroblastic reticular cells direct the initiation of T cell responses via CD44. *Nature*, 651(8106), 752.

Leonard VHJ, et al. (2026) Identification and characterization of a novel inhibitor of influenza A virus that acts by blocking nucleoprotein oligomerization. *Antimicrobial agents and chemotherapy*, 70(2), e0114925.

Valderrama K, et al. (2026) Optimizing the Antibiotic Potency and Metabolic Stability of Pyridomycin Using a Semisynthetic Approach. *Journal of medicinal chemistry*, 69(3), 2496.

Wang R, et al. (2026) Peptide binding at the gasdermin D exosite reveals the structural basis for targeting the site. *Acta crystallographica. Section D, Structural biology*, 82(Pt 6), 615.

Michail C, et al. (2026) The SETD2 L1609P mutation found in leukemia disrupts methyltransferase activity and reduces histone H3K36 trimethylation. *The Journal of biological chemistry*, 302(3), 111259.

Carloni G, et al. (2026) Mechanistic insights into SteAB regulation of cell wall hydrolase RipA in *Mycobacterium tuberculosis*. *mBio*, 17(3), e0370025.

Paesen GC, et al. (2026) Structural basis for recognition of Rift Valley fever virus Gn protein by a human neutralizing monoclonal antibody with a kappa light chain. *PLoS pathogens*, 22(2), e1013926.

- Du H, et al. (2025) Targeting peptide antigens using a multiallelic MHC I-binding system. *Nature biotechnology*, 43(10), 1683.
- Kopečný DJ, et al. (2025) A monomer-dimer switch modulates the activity of plant adenosine kinase. *Journal of experimental botany*, 76(12), 3457.
- Sengupta RN, et al. (2025) Modulation of the substrate preference of a MYST acetyltransferase by a scaffold protein. *The Journal of biological chemistry*, 301(3), 108262.
- Silmon de Monerri NC, et al. (2025) Structure-based design of an immunogenic, conformationally stabilized FimH antigen for a urinary tract infection vaccine. *PLoS pathogens*, 21(2), e1012325.
- Ford J, et al. (2025) Structural basis of heme scavenging by the ChtA and HtaA hemophores in *Corynebacterium diphtheriae*. *The Journal of biological chemistry*, 301(10), 110633.
- Hladík P, et al. (2025) Phenylacetic acid metabolism in land plants: novel pathways and metabolites. *Journal of experimental botany*, 76(12), 3427.
- Majocchi S, et al. (2025) NI-3201 Is a Bispecific Antibody Mediating PD-L1-Dependent CD28 Co-stimulation on T Cells for Enhanced Tumor Control. *Cancer immunology research*, 13(3), 365.
- Griffen EJ, et al. (2025) Open-science discovery of DNDI-6510, a compound that addresses genotoxic and metabolic liabilities of the COVID Moonshot SARS-CoV-2 Mpro lead inhibitor. *bioRxiv : the preprint server for biology*.
- Günter A, et al. (2025) Small Protein Domains as Potential Spin Labels for In Vitro, Cellular, and Light-Induced Dipolar EPR Spectroscopy. *Journal of the American Chemical Society*, 147(26), 22473.