

Resource Summary Report

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Phaser

RRID:SCR_014219

Type: Tool

Proper Citation

Phaser (RRID:SCR_014219)

Resource Information

URL: <https://www.phenix-online.org/documentation/reference/phaser.html>

Proper Citation: Phaser (RRID:SCR_014219)

Description: Crystallographic software which solves structures using algorithms and automated rapid search calculations to perform molecular replacement and experimental phasing methods.

Resource Type: image analysis software, software resource, data acquisition software, software application, image reconstruction software, data processing software

Defining Citation: [PMID:19461840](#)

Keywords: crystallographic software, molecular replacement, experimental phasing method, data acquisition software, image analysis software, image reconstruction software

Availability: Available through Phenix, Available through CCP4, Acknowledgement requested

Resource Name: Phaser

Resource ID: SCR_014219

Alternate URLs:

http://www.phaser.cimr.cam.ac.uk/index.php/Phaser_Crystallographic_Software

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260728T043435+0000

Ratings and Alerts

No rating or validation information has been found for Phaser.

No alerts have been found for Phaser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2572 mentions in open access literature.

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

Bista S, et al. (2026) Targeting of interaction between BB0323-BB0238 informs new paradigms in Lyme disease therapeutics. PLoS pathogens, 22(1), e1013805.

Yudenko A, et al. (2025) Structural basis of signaling complex inhibition by IL-6 domain-swapped dimers. Structure (London, England : 1993), 33(1), 171.

Pearson LA, et al. (2025) Characterisation of RNA guanine-7 methyltransferase (RNMT) using a small molecule approach. The Biochemical journal, 482(4).

De Silva A, et al. (2025) Suppressing Tymovirus replication in plants using a variant of ubiquitin. PLoS pathogens, 21(1), e1012899.

Li Y, et al. (2025) Structural insights into calcium-dependent CIB2-TMC1 interaction in hair cell mechanotransduction. Communications biology, 8(1), 306.

Loyau J, et al. (2025) Biparatopic binding of ISB 1442 to CD38 in trans enables increased cell antibody density and increased avidity. mAbs, 17(1), 2457471.

Liaci AM, et al. (2025) Extended receptor repertoire of an adenovirus associated with human obesity. PLoS pathogens, 21(1), e1012892.

Li Z, et al. (2025) Structure-Guided Engineering of a Versatile Urethanase Improves Its Polyurethane Depolymerization Activity. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(13), e2416019.

Youle RL, et al. (2025) Structural and functional characterization of the extended-diKH domain from the antiviral endoribonuclease KHNYN. The Journal of biological chemistry, 301(4), 108336.

Kaplan E, et al. (2025) APH Inhibitors that Reverse Aminoglycoside Resistance in Enterococcus casseliflavus. ChemMedChem, 20(8), e202400842.

Kuge M, et al. (2025) Structural Insights into Broad-Range Polyphosphate Kinase 2-II Enzymes Applicable for Pyrimidine Nucleoside Diphosphate Synthesis. Chembiochem : a European journal of chemical biology, 26(5), e202400970.

Anraku Y, et al. (2025) Structural and virological identification of neutralizing antibody footprint provides insights into therapeutic antibody design against SARS-CoV-2 variants. Communications biology, 8(1), 483.

Ahmed SF, et al. (2025) The structural basis of substrate selectivity of the acinetobactin biosynthetic adenylation domain, BasE. *The Journal of biological chemistry*, 301(4), 108413.

Benjamin JS, et al. (2025) 23ME-01473, an Fc Effector-Enhanced Anti-ULBP6/2/5 Antibody, Restores NK Cell-Mediated Antitumor Immunity through NKG2D and FcγRIIIa Activation. *Cancer research communications*, 5(3), 476.

Luo Q, et al. (2025) Surface lipoprotein sorting by crosstalk between Lpt and Lol pathways in gram-negative bacteria. *Nature communications*, 16(1), 4357.

Esakova OA, et al. (2025) Structural basis for catalysis by human lipoyl synthase. *Nature communications*, 16(1), 6355.

Fischer C, et al. (2025) Structural insights into the nirmatrelvir-resistant SARS-CoV-2 Mpro L50F/E166A/L167F triple mutant-inhibitor-complex reveal strategies for next generation coronaviral inhibitor design. *RSC medicinal chemistry*, 16(10), 5032.

Wang DP, et al. (2025) Structural insights into polymerase-catalyzed FAD capping of hepatitis C virus RNA. *Nature communications*, 16(1), 7298.

Dzimianski JV, et al. (2025) Assessing the structural boundaries of broadly reactive antibody interactions with diverse H3 influenza hemagglutinin proteins. *Journal of virology*, e0045325.

Hoffpauir ZA, et al. (2025) Identification of the phosphatase essential for riboflavin biosynthesis in *Aquifex aeolicus*. *The Journal of biological chemistry*, 301(5), 108443.