

Resource Summary Report

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ATSAS

RRID:SCR_015648

Type: Tool

Proper Citation

ATSAS (RRID:SCR_015648)

Resource Information

URL: <https://www.embl-hamburg.de/biosaxs/software.html>

Proper Citation: ATSAS (RRID:SCR_015648)

Description: Software toolkit for small-angle scattering data analysis from biological macromolecules.

Synonyms: Data Analysis Software ATSAS

Resource Type: software application, software toolkit, software resource, data processing software

Defining Citation: [PMID:28808438](#)

Keywords: macromolecule, small-angle scattering, ab initio method, rigid body modeling, pbd oriented tool, mixture, flexible system

Resource Name: ATSAS

Resource ID: SCR_015648

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260729T044358+0000

Ratings and Alerts

No rating or validation information has been found for ATSAS.

No alerts have been found for ATSAS.

Data and Source Information

Usage and Citation Metrics

We found 1326 mentions in open access literature.

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

Ahmed FH, et al. (2026) Disordered N-termini enhance the thermostability of SGNH-hydrolase family polyesters. *Protein science : a publication of the Protein Society*, 35(1), e70402.

Braun M, et al. (2026) Computational enzyme design by catalytic motif scaffolding. *Nature*, 649(8095), 237.

Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. *Journal of neurochemistry*, 169(1), e16274.

Paissoni C, et al. (2025) A conformational fingerprint for amyloidogenic light chains. *eLife*, 13.

Inoue R, et al. (2025) Revealing an origin of temperature-dependent structural change in intrinsically disordered proteins. *Biophysical journal*, 124(3), 540.

Monsen RC, et al. (2025) Early events in G-quadruplex folding captured by time-resolved small-angle X-ray scattering. *Nucleic acids research*, 53(3).

Malard F, et al. (2025) Molecular basis for the calcium-dependent activation of the ribonuclease EndoU. *Nature communications*, 16(1), 3110.

Martín-González A, et al. (2025) Selective cargo and membrane recognition by SNX17 regulates its interaction with Retriever. *EMBO reports*, 26(2), 470.

Van Veghel MHW, et al. (2025) Identifying recovery trajectories following primary total shoulder arthroplasty: a cohort study of 3,358 patients from the Dutch Arthroplasty Register. *Acta orthopaedica*, 96, 226.

Nirwal S, et al. (2025) The structure of the MutL-CTD:processivity-clamp complex provides insight regarding strand discrimination in non-methyl-directed DNA mismatch repair. *Nucleic acids research*, 53(4).

Pesce G, et al. (2025) Dissecting Henipavirus W proteins conformational and fibrillation properties: contribution of their N- and C-terminal constituent domains. *The FEBS journal*, 292(3), 556.

Petersen AB, et al. (2025) Mode of Action of AlgE1: A Modular Mannuronate C-5 Epimerase. *Biochemistry*, 64(14), 3030.

Zhang L, et al. (2025) Probing molecular mechanisms of emulsifier-modulated lipid crystallization via ultrasonic phase velocity. *Ultrasonics sonochemistry*, 120, 107442.

Jiang X, et al. (2025) RNA Binding Sensitivity of Nonstructural Protein 8 Revealed by Small-Angle Neutron Scattering and Alphafold2 Prediction. *ACS nano*, 19(42), 36876.

Rawlinson SM, et al. (2025) Conformational dynamics, RNA binding, and phase separation regulate the multifunctionality of rabies virus P protein. *Nature communications*, 16(1), 9491.

Jadhav S, et al. (2025) Dynamic assembly of a large multidomain ribozyme visualized by cryo-electron microscopy. *Nature communications*, 16(1), 10195.

Kodesia A, et al. (2025) Structural and biophysical insights into RomR, MglB, and MglC interactions involved in regulating cell polarity in *Myxococcus xanthus*. *The Journal of biological chemistry*, 301(12), 110907.

Hobbs B, et al. (2025) A low-complexity linker as a driver of intra- and intermolecular interactions in DNAJB chaperones. *Nature communications*, 16(1), 5070.

Dayan A , et al. (2025) Characterization of DnaB-DnaG Interaction in *M. tuberculosis* Using Small-Angle X-ray Scattering-Based Dissociation Assay. *Chembiochem : a European journal of chemical biology*, 26(14), e202500289.

Yu J, et al. (2025) Molecular determinants of picornavirus 3C protease binding to phosphoinositide-enriched lipid membranes. *The Journal of biological chemistry*, 301(9), 110543.