Resource Summary Report

Generated by RRID on Apr 28, 2025

SHELX

RRID:SCR_014220 Type: Tool

Proper Citation

SHELX (RRID:SCR_014220)

Resource Information

URL: http://shelx.uni-ac.gwdg.de/SHELX/

Proper Citation: SHELX (RRID:SCR_014220)

Description: A set of software programs that utilizes dual spaces algorithms for the determination of small and macromolecular crystal structures by single crystal X-ray and neutron diffraction. Libraries, extra files and environment variables are not required for the executables. SHELX is intended to be run on a command prompt but may be called from GUIs such as shelXle, Olex2, Oscail or WinGX, or hkl2map.

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

Defining Citation: DOI:10.1107/S2053273314026370

Keywords: standalone software, image reconstruction software, image analysis software, crystal structure, crystal xray, neutron diffraction, bio.tools

Funding:

Availability: Free for academic use, For-profit users must pay for a yearly license, Available for download, Available on Linux, Available on Windows, Available on MacOSX

Resource Name: SHELX

Resource ID: SCR_014220

Alternate IDs: biotools:shelx

Alternate URLs: https://bio.tools/shelx

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250428T053810+0000

Ratings and Alerts

No rating or validation information has been found for SHELX .

No alerts have been found for SHELX .

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 505 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>RRID</u>.

Stoian C, et al. (2025) Heavier Diferrocenylpnictogenium Ions. Chemistry (Weinheim an der Bergstrasse, Germany), 31(1), e202403555.

Voigt J, et al. (2025) An aperiodic chiral tiling by topological molecular self-assembly. Nature communications, 16(1), 83.

Takeyama T, et al. (2025) A Series of AnVIO22+ Complexes (An = U, Np, Pu) with N3O2-Donating Schiff-Base Ligands: Systematic Trends in the Molecular Structures and Redox Behavior. Inorganic chemistry, 64(3), 1313.

Namoto K, et al. (2024) NIBR-LTSi is a selective LATS kinase inhibitor activating YAP signaling and expanding tissue stem cells in vitro and in vivo. Cell stem cell, 31(4), 554.

Moi R, et al. (2024) Amine Functionalization of Channels of Metal-Organic Frameworks for Effective Chemical Fixation of Carbon Dioxide: A Comparative Study with Three Newly Designed Porous Networks. ChemistryOpen, 13(9), e202400110.

Bai S, et al. (2024) Calix[2]azolium[2]benzimidazolone hosts for selective binding of neutral substrates in water. Nature communications, 15(1), 6616.

Bodzioch A, et al. (2024) Electronic and Magnetic Interactions in 6-Oxoverdazyl Diradicals: Connection through N(1) vs C(3) Revisited. The Journal of organic chemistry, 89(9), 6306.

Cheng PM, et al. (2024) Bottom-up construction of chiral metal-peptide assemblies from

metal cluster motifs. Nature communications, 15(1), 9034.

Adams MC, et al. (2024) The crystal structure of bacteriophage ? RexA provides novel insights into the DNA binding properties of Rex-like phage exclusion proteins. Nucleic acids research, 52(8), 4659.

Wang Y, et al. (2024) Cross-catenation between position-isomeric metallacages. Nature communications, 15(1), 1363.

Mirocki A, et al. (2024) Crystallization from solution versus mechanochemistry to obtain double-drug multicomponent crystals of ethacridine with salicylic/acetylsalicylic acids. Scientific reports, 14(1), 1834.

Ziani Z, et al. (2024) Optical modulation of cell nucleus penetration and singlet oxygen release of a switchable platinum complex. iScience, 27(1), 108704.

Xing C, et al. (2024) Integrating Full-Color 2D Optical Waveguide and Heterojunction Engineering in Halide Microsheets for Multichannel Photonic Logical Gates. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(17), e2310262.

Beloglazkina EK, et al. (2024) The Copper Reduction Potential Determines the Reductive Cytotoxicity: Relevance to the Design of Metal-Organic Antitumor Drugs. Molecules (Basel, Switzerland), 29(5).

Bokhove M, et al. (2024) The structure of the rat vitamin B12 transporter TC and its complex with glutathionylcobalamin. The Journal of biological chemistry, 300(5), 107289.

Alcorlo M, et al. (2024) Molecular and structural basis of oligopeptide recognition by the Ami transporter system in pneumococci. PLoS pathogens, 20(6), e1011883.

Al-Matarneh CM, et al. (2024) New Library of Iodo-Quinoline Derivatives Obtained by an Alternative Synthetic Pathway and Their Antimicrobial Activity. Molecules (Basel, Switzerland), 29(4).

Gilhula JC, et al. (2024) Advances in heavy alkaline earth chemistry provide insight into complexation of weakly polarizing Ra2+, Ba2+, and Sr2+ cations. Science advances, 10(1), eadj8765.

Li H, et al. (2024) Precise recognition of benzonitrile derivatives with supramolecular macrocycle of phosphorylated cavitand by co-crystallization method. Nature communications, 15(1), 5315.

Mahana Y, et al. (2024) Structural evidence for protein-protein interaction between the noncanonical methyl-CpG-binding domain of SETDB proteins and C11orf46. Structure (London, England : 1993), 32(3), 304.