Resource Summary Report

Generated by dkNET on Apr 15, 2025

Cambridge Crystallographic Data Centre (CCDC)

RRID:SCR_014707
Type: Tool

Proper Citation

Cambridge Crystallographic Data Centre (CCDC) (RRID:SCR_014707)

Resource Information

URL: http://www.ccdc.cam.ac.uk

Proper Citation: Cambridge Crystallographic Data Centre (CCDC) (RRID:SCR_014707)

Description: Institution which compiles and distributes small molecule crystallography data from the Cambridge Structural Database (CSD), a repository of experimentally determined organic and metal-organic crystal structures. CCDC also produces associated knowledge-based application software for structural chemists. Structures deposited with CCDC are made publically available for download at the point of publication or at consent from the depositor.

Abbreviations: CCDC

Synonyms: CCDC, Cambridge Crystallographic Data Center, Cambridge Crystallographic Data Centre (CCDC)

Resource Type: service resource, storage service resource, data repository

Keywords: crystallography, institutions, small molecule crystallography, crystal structure, organic crystal structure, metal-organic crystal structure, software

Funding:

Availability: Publicly available

Resource Name: Cambridge Crystallographic Data Centre (CCDC)

Resource ID: SCR_014707

License URLs: http://www.ccdc.cam.ac.uk/TermsAndConditions/

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250412T055825+0000

Ratings and Alerts

No rating or validation information has been found for Cambridge Crystallographic Data Centre (CCDC).

No alerts have been found for Cambridge Crystallographic Data Centre (CCDC).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 603 mentions in open access literature.

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

Yin J, et al. (2025) Unconventional hexagonal open Prussian blue analog structures. Nature communications, 16(1), 370.

Mukhia M, et al. (2025) Scalable ultrasound-assisted synthesis of hydroxy imidazole N-oxides and evaluation of their anti-proliferative activities; mechanistic insights into the deoximation of dioximes. RSC advances, 15(2), 938.

Guo Y, et al. (2025) A cost-effective and innovative detector for iron ions. RSC advances, 15(4), 2645.

Wang S, et al. (2025) Design of an abiotic unimolecular three-helix bundle. Chemical science, 16(3), 1136.

Poole S, et al. (2025) Design and in vitro anticancer assessment of a click chemistry-derived dinuclear copper artificial metallo-nuclease. Nucleic acids research, 53(1).

Reusser E, et al. (2025) Enhancing activity and selectivity of palladium catalysts in ketone ?-arylation by tailoring the imine chelate of pyridinium amidate (PYA) ligands. Catalysis science & technology, 15(3), 867.

Li Z, et al. (2025) An unusual chiral-at-metal mechanism for BINOL-metal asymmetric catalysis. Nature communications, 16(1), 735.

Koshenskova KA, et al. (2025) «Green-Ligand» in Metallodrugs Design-Cu(II) Complex with Phytic Acid: Synthetic Approach, EPR-Spectroscopy, and Antimycobacterial Activity. Molecules (Basel, Switzerland), 30(2).

Wang YM, et al. (2024) Single-atom tailored atomically-precise nanoclusters for enhanced electrochemical reduction of CO2-to-CO activity. Nature communications, 15(1), 1843.

Parker MA, et al. (2024) Size-tunable silicon nanoparticles synthesized in solution via a redox reaction. Nanoscale, 16(16), 7958.

Geoghegan BL, et al. (2024) X-ray absorption and emission spectroscopy of N2S2 Cu(II)/(III) complexes. Dalton transactions (Cambridge, England : 2003), 53(18), 7828.

Félix G, et al. (2024) Luminescent Ln3+-based silsesquioxanes with a ?-diketonate antenna ligand: toward the design of efficient temperature sensors. Frontiers in chemistry, 12, 1379587.

O'Brie AM, et al. (2024) Synthesis, Structure and Anticancer Activity of a Dinuclear Organoplatinum(IV) Complex Stabilized by Adenine. bioRxiv : the preprint server for biology.

Bojarska J, et al. (2024) An experimental and computational investigation of the cyclopentene-containing peptide-derived compounds: focus on pseudo-cyclic motifs via intramolecular interactions. Royal Society open science, 11(10), 40962.

Tanuhadi E, et al. (2024) Stabilization of reactive rare earth alkyl complexes through mechanistic studies. Chemical science, 16(1), 280.

Chen X, et al. (2024) Preclinical evaluation of the SARS-CoV-2 Mpro inhibitor RAY1216 shows improved pharmacokinetics compared with nirmatrelvir. Nature microbiology, 9(4), 1075.

Ruan LJ, et al. (2024) 3?-Hydroxybufadienolides in Bufo gallbladders: structural insights and biotransformation. Natural products and bioprospecting, 14(1), 19.

Peng Y, et al. (2024) Interaction-selective molecular sieving adsorbent for direct separation of ethylene from senary C2-C4 olefin/paraffin mixture. Nature communications, 15(1), 625.

Pósa V, et al. (2024) A Comparative Study on the Complexation of the Anticancer Iron Chelator VLX600 with Essential Metal Ions. Inorganic chemistry, 63(5), 2401.

Juang YP, et al. (2024) Discovery of 5-Hydroxy-1,4-naphthoquinone (Juglone) Derivatives as Dual Effective Agents Targeting Platelet-Cancer Interplay through Protein Disulfide Isomerase Inhibition. Journal of medicinal chemistry, 67(5), 3626.