

An aerial photograph of a two-lane asphalt road winding through a dense, green forest. A dark-colored car is visible on the road, moving away from the viewer. The road has a double yellow line in the center and white lines on the edges. The text is overlaid on the left side of the image.

# International Tables for Crystallography

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An Overview of Content and Features

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A close-up photograph of a young green seedling with two leaves growing out of dark, rich soil. A hand is visible in the upper right corner, with a single drop of water falling from the thumb towards the plant. The background is softly blurred, showing other similar seedlings.

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**International Tables for Crystallography**

Journal of Applied Crystallography | Volume 16, Issue 2

First published: 01 April 1983

Chapter

Topics on space groups treated in Volumes A1 and E of **International Tables for Crystallography**



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Reference works

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Reference Work

**International Tables for Crystallography**

First published: 1 January 2006

A close-up photograph of a hand watering a small green seedling in dark soil. A water droplet is suspended in the air above the plant. The word 'Content' is overlaid on the left side of the image.

# Content

## Features

- Extensive and hyperlinked **cross-references**
- **Easy-to-use** interface allows for simple searching and browsing
- Perform **complex searches** using wildcards or Boolean operators
- **HTML** and **PDF** formats available for browsing and printing
- Accessible from a variety of **devices**



A close-up photograph of a young green seedling with two leaves growing out of dark, rich soil. A single drop of water is suspended just above the soil surface, falling from a finger visible in the upper right corner. The background is softly blurred, showing other similar seedlings.

# International Tables for Crystallography

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## **The definitive resource for crystallography**

*International Tables for Crystallography* is the definitive resource and reference work for crystallography and structural science.

The online version of *International Tables for Crystallography* provides access to a fully interactive symmetry database and all nine volumes in the series in pdf and richly linked html format.

## About International Tables for Crystallography

This series, first established in 1935, has grown over the decades to become the **definitive reference work for crystallography** and structural science.

The wide range of articles in the series and the numerous tables of data **assist in the use of crystallographic methods in all sciences** concerned with the structure and properties of materials, from physics and materials science to chemistry, biology and biochemistry.

Emphasis is placed on **symmetry, diffraction methods and techniques of crystal-structure determination**, and the physical and chemical properties of crystals.

The data are accompanied by **discussions of theory, practical explanations and examples**, all of which are useful for teaching.



## About the International Union of Crystallography

- The **International Union of Crystallography** (IUCr) is a scientific union adhering to the International Council of Science (ICSU).
- Its objectives are to promote international co-operation in crystallography and to contribute to all aspects of crystallography, to promote international publication of crystallographic research, to facilitate standardization of methods, units, nomenclature and symbols, and to form a focus for the relations of crystallography to other sciences.
- The IUCr publishes eight academic journals in association with Wiley (Acta Crystallographica Sections A to F, Journal of Applied Crystallography and Journal of Synchrotron Radiation).

### Features

- Together the online volumes comprise the equivalent of over 7000 pages of content, including 1100 tables of symmetry-group data for crystal-structure analysis.
- Early view versions of chapters for new volumes and new editions of volumes that are in preparation are also available.
- The symmetry database provides additional information and can be used to generate specific data 'on the fly'.
- In addition to the full text of the series, the online site, designed by the **International Union of Crystallography**, supports many innovative features and additional resources.
- Users can navigate within and across the volumes to view a full chapter, a section or sub-section, or a single figure or table.



## **Content available online**

- Symmetry database
- Volume A: Space-group symmetry, 6e
- Volume A1: Symmetry relations between space groups, 2e
- Volume B: Reciprocal space, 3e
- Volume C: Mathematical, physical and chemical tables, 3e
- Volume D: Physical properties of crystals, 2e
- Volume E: Subperiodic groups, 2e
- Volume F: Crystallography of biological macromolecules, 2e
- Volume G: Definition and exchange of crystallographic data
- Volume H: Powder diffraction
- Volume I: X-ray absorption spectroscopy and related techniques (early view chapters)

## Updates and references

- Cross-references are included between chapters of related interest.
- Extensive linking between sub- and supergroups within the symmetry-group tables is also provided.
- The advanced search facility enables sophisticated searches to be performed across all the volumes, across selected volumes and across Crystallography Journals Online.
- With new editions of Volumes B and E added in 2010, a new edition of Volume A1 and the Symmetry Database added in 2011, a new edition of Volume F added in 2012, a new edition of Volume D added in 2014, a new edition of Volume A added in 2016, the first edition of Volume H added in 2019, and early view chapters for Volume I added in 2020, **the online version of *International Tables for Crystallography* truly represents the most up-to-date, dynamic and comprehensive reference work available to crystallographers**, and to all those who use crystallography across a wide range of fields.



A close-up photograph of a hand watering small green seedlings in dark soil. A single drop of water is suspended in the air above one of the plants. The text 'Key Functionalities' is overlaid on the left side of the image.

# Key Functionalities

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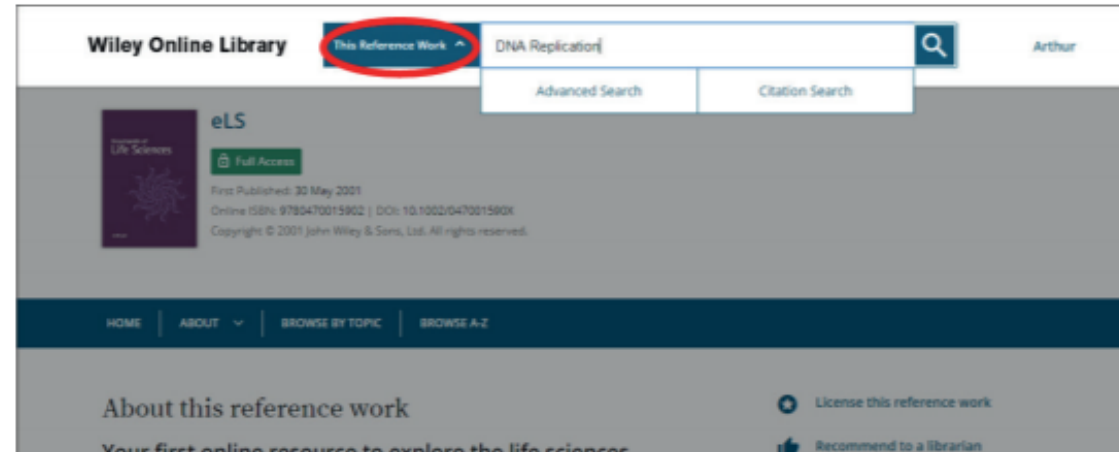
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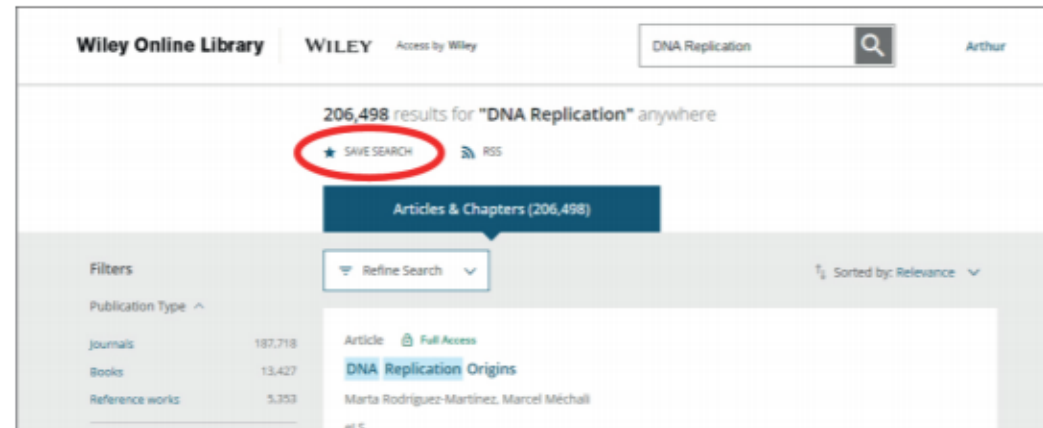


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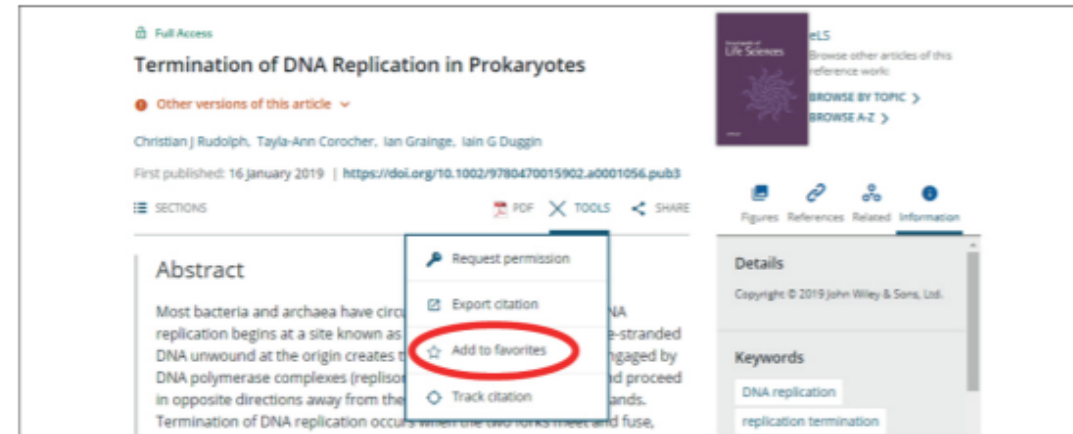




# Summary

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# Summary

## 5 Citation Tool

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The screenshot displays a Wiley article page for "Termination of DNA Replication in Prokaryotes". The article is by Christian J Rudolph, Tayla-Ann Corocher, Ian Grainge, and Iain G Duggin, published on 16 January 2019. The DOI is <https://doi.org/10.1002/9780470015902.a0001056.pub3>. The page includes a "Full Access" label, a "Request permission" button, and a "Tools" menu. The "Tools" menu is open, showing options: "Request permission", "Export citation" (highlighted with a red circle), "Add to favorites", and "Track citation". The article abstract is visible, starting with "Most bacteria and archaea have circular DNA...". The page also features a "Details" section with copyright information (Copyright © 2019 John Wiley & Sons, Ltd.) and a "Keywords" section with "DNA replication" and "replication termination".



A close-up photograph of a young green seedling with two leaves growing out of dark, rich soil. A hand is visible in the upper right corner, with a single drop of water falling from the thumb towards the plant. The background is softly blurred, showing other similar seedlings.

Thank you!