

# 使用 指南

您的大英百科學術版  
Britannica Academic 入門指南。



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# 欢迎

[academic.eb.com](http://academic.eb.com)



## 歡迎訂閱大英百科學術版

Britannica Academic

大英百科學術版為進行全面的跨領域研究提供了所有必要條件。在不同領域的諾貝爾獎得主，歷史學家，專業顧問，教授和其他著名專家的貢獻下，大英百科學術版以客觀公正的國際視角和洞察力提供無可比擬的可靠資訊。

您可以輕鬆存取備受讚譽的  
《大英百科全書》和韋氏大詞  
典以及許多其他研究工具所提  
供的大量文章和多媒體。

# 首頁

## 搜尋欄目

在搜尋欄位在輸入關鍵字進行搜尋。高級搜尋Advanced Search讓您讓用參數來優化搜尋。您可以輸入一個或多個可用的高級搜尋參數。大英百科的搜尋引擎將會查找與您指定的所有參數相符的內容。

## 存取內容

使用文章和媒體瀏覽按類別瀏覽內容。

## My Research

輕鬆編輯，整理，保存和分享您喜歡的資料內容。

## 研究工具

世界地圖集 (World Atlas) 使您可以瀏覽世界各國的統計數據和相關內容。使用「比較國家」(Compare Countries) 來發現任何兩個國家之間的異同。

「全球資料集」(World Factbook) 提供了區域性的統計和分析數據。

The screenshot shows the Britannica Academic homepage with a dark background and white text. At the top left is the Britannica Academic logo. At the top right are links for 'Your Britannica Resources', 'Help', and 'My Research'. The main heading is 'Welcome to Britannica Academic'. Below this is a search bar with a search icon and a 'Search' button. To the left of the search bar is a blue circle with the number '1'. Below the search bar are four filter buttons: 'ARTICLES', 'VIDEOS', 'PRIMARY SOURCES', and 'JOURNALS/PERIODICALS'. Below these is an 'Advanced Search' section with four input fields: 'With all these words...', 'With any of these words...', 'With these words near each other...', and 'With the exact phrase...'. Below the search bar are three navigation buttons: 'Go to Articles', 'Go to Images/Videos', and 'Go to Biographies'. Below these are three images: a person holding a tablet, a microscopic view of a cell, and a man speaking at a podium. Below the images is a blue circle with the number '2'. Below the images is the 'My Research' section with a blue circle with the number '3'. It includes 'Favorites' (Save articles, media, and other sources for quick access later. Sign-in required.) and 'Resource Packs' (Order favorites and add notes to keep your research organized. Sign-in required.). Below this is the 'Research Tools' section with a red circle with the number '4'. It includes five tools: 'World Atlas' (Search thousands of maps, flags, articles, and statistics in this interactive World Atlas.), 'Compare Countries' (A unique geography tool that gives you quick facts on any two countries or territories side-by-side.), 'Original Sources' (Access thousands of primary source documents, complete books, and authentic images.), 'Database Resources' (Expand your inquiry with a curated list of top academic research sites.), and 'The World Factbook' (Reference wide-ranging statistics and analysis about world entities from every region of the globe.). Below this is the 'Popular Topics' section with eight topic cards: 'immigration' (Statue of Liberty), 'computer' (old computer monitor), 'Martin Luther King, Jr.' (Martin Luther King Jr. speaking), 'Buddhism' (Buddha statue), 'DNA' (DNA double helix), 'Michelangelo's Creation of Adam' (Michelangelo's Creation of Adam), 'child' (child smiling), and 'mountain' (mountain landscape).

# 首頁

## 雜誌/刊物

點擊查詢數千則雜誌和學術期刊文章。

## 韋氏高校大辭典 Merriam-Webster's Collegiate Dictionary

全美最大，最全面的權威英語詞典。

## 原始文獻

透過點擊造訪推薦的原始文獻，包括信件，演講，歷史文件和其他原始資料的數字記錄。

## 新聞

透過權威媒體的每日新聞源，隨時關注全球頭條新聞。

## Access our extensive library of up-to-date journals and periodicals

Search all journals and periodicals

6

Definitions and Synonyms from  
**Merriam-Webster**

Search Merriam-Webster Collegiate

Dictionary  Thesaurus

Merriam-Webster is America's leading and most-trusted provider of language information, and the Collegiate® Dictionary is the standard reference for professional and academic writing.

Learn more at M.W.com

### Featured Primary Sources

Find letters, speeches, and other primary source materials.

Truman Doctrine  
Treaty of Versailles  
Karl Marx and Friedrich Engels's The Communist Manifesto  
Covenant of the League of Nations  
Declaration of Rights for Women  
Code of Hammurabi



### ON THIS DAY: "Union"

In 1938 in a controlled plebiscite in Austria, soon after Adolf Hitler's invasion of the country, 99.7 percent of Austrians approved the **Anschluss**—the political unification of Austria and Germany.

READ MORE

## News from New York Times

- New Questions on How a Key Agency Shared Inflation Data
- March's Hot Inflation Report is a Political Blow to Biden
  - Arizona Abortion Ban: What We Know
- Arizona Abortion Ruling Impact on 2024 Presidential Voters Is Unclear
  - Arizona's 1864 Abortion Law, and New Boeing Allegations

## News from BBC News

- 'No joy, only pain' as Palestinians mark Eid in Gaza
- Children seeking gender care let down by weak evidence, review says
- Biden pressure on Israel not enough, say dissenting US officials
  - Tesco says price pressures easing as profits soar
- Post Office 'brushed off' concerns over IT system, inquiry told

# 瀏覽文章和媒體

## Article Browse



Animals



Arts and Literature



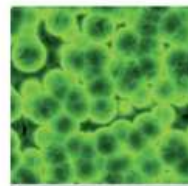
Earth and Geography



History



Life Processes



Living Things (Other)



Philosophy and Religion



Plants



Science and Mathematics



Society



Sports and Recreation



Technology

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在主頁點選文章瀏覽(Article Browse)或媒體瀏覽(Media Browse)可讓您以主題和子主題深入來探索Britannica Academic的內容。

# 人物傳記

## Biography Browse

### ERA

Click to select an era...

### NATIONAL/CULTURAL ASSOCIATION

Click to select an association...

### KNOWN FOR

Click to select an activity...

### GENDER

male

female

Clear All Filters

DISPLAYING 1 - 10 OF 34,810 RESULTS.

### Aakjær, Jeppe

(born Sept. 10, 1866, Aakjær, Den.—died April 22, 1930, Jenle), poet and novelist, leading exponent of Danish regional literature and of the literature of social



### Aaliyah

American rhythm and blues singer and actress (born Jan. 16, 1979, Brooklyn, N.Y.—died Aug. 25, 2001, Abaco Islands, The Bahamas), , was considered on the verge of



### Aalto, Alvar

(born Feb. 3, 1898, Kuortane, Fin., Russian Empire—died May 11, 1976, Helsinki, Fin.), Finnish architect, city planner, and furniture designer whose international reputation



### Aaron

(flourished 14th century bce), the traditional founder and head of the Israelite priesthood, who, with his brother Moses, led the Israelites out of Egypt. The figure of Aaron

### Aaron ben Elijah

(born 1328/30, Nicomedia, Ottoman Empire [modern İzmit, Turkey]—died 1369), theologian of Constantinople (now Istanbul), the only scholar to seek a philosophical basis for



### Aaron, Hank

(born February 5, 1934, Mobile, Alabama, U.S.—died January 22, 2021, Atlanta, Georgia),

---

點擊「傳記」(Biographies) 標籤，按性別，時代，國籍及其專業領域搜尋和瀏覽名人傳記。您也可以透過主頁上的「傳記」(Biographies) 鏈接進入。

# 全球數據集

## The World Factbook

COUNTRIES COMPARISONS

### Table of Contents

- Introduction
- Geography
- People and Society
- Environment
- Government
- Economy
- Energy
- Communications
- Transportation
- Military and Security
- Transnational Issues

← Browse all countries

## Antarctica

### Introduction

#### Background

Speculation over the existence of a "southern land" was not confirmed until the early 1820s when British and American commercial operators and British and Russian national expeditions began exploring the Antarctic Peninsula region and other areas south of the Antarctic Circle. Not until 1840 was it established that Antarctica was indeed a continent and not merely a group of islands or an area of ocean. Several exploration "firsts" were achieved in the early 20th century, but generally the area saw little human activity. Following World War II, however, the continent experienced an upsurge in scientific research. A number of countries have set up a range of year-round and seasonal stations, camps, and refuges to support scientific research in Antarctica. Seven have made territorial claims, but most countries do not recognize these claims. In order to form a legal framework for the activities of nations on the continent, an Antarctic Treaty was negotiated that neither denies nor gives recognition to existing territorial claims; signed in 1959, it entered into force in 1961. Also relevant to Antarctic governance are the Environmental Protocol to the Antarctic Treaty and the Convention for the Conservation of Antarctic Marine Living Resources.

### Geography

#### Location

continent mostly south of the Antarctic Circle

## The World Factbook

COUNTRIES COMPARISONS

### Comparisons



#### Geography

##### Area

Area compares the sum of all land and water areas, delimited by international boundaries and/or coastlines.

Compare world area data



#### People and Society

##### Population growth rate

Population growth rate compares the average annual percent change in population resulting from a surplus or deficit of births over deaths and the balance of migrants entering and leaving a country. The rate may be positive or negative.

Compare world population growth rate data



#### Economy

##### Real GDP Growth Rate

GDP - real growth rate compares GDP growth on an annual basis adjusted for inflation and expressed as a percent.

Compare world GDP growth rate data



#### Energy

##### Carbon Dioxide Emissions from Consumption of Energy

Carbon dioxide emissions from consumption of energy is the total amount of carbon dioxide, measured in metric tons, released by burning fossil fuels in the process of producing and consuming energy.

## Comparison: Carbon dioxide emissions from consumption of energy

Carbon dioxide emissions from consumption of energy is the total amount of carbon dioxide, measured in metric tons, released by burning fossil fuels in the process of producing and consuming energy.

Rank	Country	Metric Tons (Mt) and Date of Information
1	<a href="#">China</a>	11.07 billion Mt (2017 est.)
2	<a href="#">United States</a>	5.242 billion Mt (2017 est.)
3	<a href="#">India</a>	2.383 billion Mt (2017 est.)
4	<a href="#">Russia</a>	1.847 billion Mt (2017 est.)
5	<a href="#">Japan</a>	1.268 billion Mt (2017 est.)
6	<a href="#">Germany</a>	847.6 million Mt (2017 est.)
7	<a href="#">Korea, South</a>	778.4 million Mt (2017 est.)
8	<a href="#">Saudi Arabia</a>	657.1 million Mt (2017 est.)
9	<a href="#">Canada</a>	640.6 million Mt (2017 est.)
10	<a href="#">Iran</a>	638.3 million Mt (2017 est.)
11	<a href="#">South Africa</a>	572.3 million Mt (2017 est.)
12	<a href="#">Indonesia</a>	540.7 million Mt (2017 est.)
...	<a href="#">Brazil</a>	

"全球資料集" (The World Factbook) 涵括了250多個單獨的國家/地區的資料頁面。

透過點擊「Comparisons」來存取跨越多個資訊類別的「對照」索引。

# 文章頁面與閱讀工具

## 收藏與分享

點選分享圖示將文章分享至電子郵件。點擊星標將資源收藏到My Research賬戶。

## 產生引文出處 Cite

為文章生成引文。有四種標準格式可選：MLA, APA, 哈佛或芝加哥格式手冊。

## 朗讀文章

透過文字轉語音工具朗讀文章。

The screenshot shows an article page for 'bacteria'. At the top, there is a blue header with the word 'bacteria' in white. Below the header, there are navigation icons (back, star, print, email, share, volume, plus, minus) and a menu with options: 'ARTICLE', 'IMAGES & VIDEOS', 'RELATED', and 'ARTICLE HISTORY'. The main content area is divided into two columns. The left column is titled 'Table of Contents' and lists: 'Introduction', 'The bacterial cell', 'Bacterial reproduction', 'Ecology of bacteria', 'Evolution of bacteria', 'Biosynthesis, nutrition, and growth of bacteria', 'Classification of bacteria', and 'Additional Reading'. The right column is titled 'Introduction' and features a small image of bacteria. Below the image is a caption: 'Ray Butler, MSc/Centers for Disease Control and Prevention (CDC)'. The main text of the introduction begins with 'Bacteria, singular bacterium, any of a group of microscopic single-celled organisms that live in enormous numbers in almost every environment on Earth, from deep-sea vents to deep below Earth's surface to the digestive tracts of humans.' A second paragraph starts with 'Bacteria lack a membrane-bound nucleus and other internal structures and are therefore ranked among the unicellular life-forms called prokaryotes. Prokaryotes are the dominant living creatures on Earth, having been present for perhaps three-quarters of Earth history and having adapted to almost all available ecological habitats. As a group, they display exceedingly diverse metabolic capabilities and can use almost any organic compound, and some inorganic compounds, as a food source. Some bacteria can cause diseases in humans, animals, or plants, but most are harmless and are beneficial ecological agents whose metabolic activities sustain higher life-forms. Other bacteria are symbionts of plants and invertebrates, where they carry out important functions for the host, such as nitrogen fixation and cellulose degradation. Without prokaryotes, soil would not be fertile, and dead organic material would decay much more slowly. Some bacteria are widely used in the preparation of foods, chemicals, and antibiotics. Studies of the metabolic processes of bacteria continue to yield new insights.' A tooltip at the bottom right of the screenshot reads: 'This is the double-click dictionary. Double-click any word to see its definition and Spanish translation.' Two blue arrows point from the 'Table of Contents' and the 'Introduction' section to the text below.

## 文章目錄

透過點擊“目錄”中的子主題鏈接轉跳到文章的任何部分。

## 影像與影片

點擊文章中的任何圖像或視頻將在疊加窗口中打開它。

# 媒體工具: 影像與視頻



## 收藏與分享



點擊星標將媒體儲存到My Research，或者透過電子郵件共享圖片。

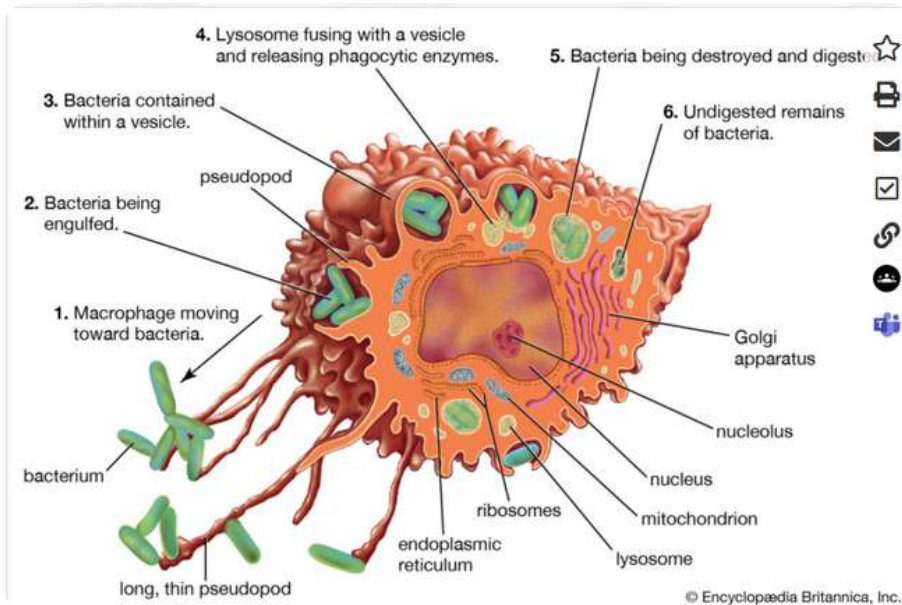
## 產生引文出處



點選圖示為圖片或影片生成引文。

## 媒體播放器

點選開啟隱藏式字幕 (CC) 或全螢幕播放影片。



## 列印或下載



按一下印表機圖示以列印圖像。您也可以下載影片。

## 複製連結



點擊複製媒體連結。

# 文章作者查詢

## bacteria



### Table of Contents

- Introduction
- The bacterial cell
- Bacterial reproduction
- Ecology of bacteria
- Evolution of bacteria
- Biosynthesis, nutrition, and growth of bacteria
- Classification of bacteria
- ▶ Additional Reading

(2015); Joanne W. Wiley, Linda W. Sherwood, and Christopher J. Woollerton, *Prescott's Microbiology*, 10th ed. (2015); and Lucy Shapiro and Richard Losick (eds.), *Cell Biology of Bacteria* (2011).

Thomas D. Brock, *The Emergence of Bacterial Genetics* (1990), describes the historical development of bacterial genetics and molecular biology. Additional coverage of the molecular and genetic features of bacteria is found in Larry Snyder et al., *Molecular Genetics of Bacteria*, 4th ed. (2013). Clive Edwards (ed.), *Microbiology of Extreme Environments* (1990); and Charles Gerday and Nicolas Glansdorff (eds.), *Physiology and Biochemistry of Extremophiles* (2007), are detailed explorations of microorganisms that live in extreme environments.

Bacteria in the human body and their role in human health and disease are discussed in Julian Marchesi (ed.), *The Human Microbiota and Microbiome* (2014).

Robert J. Kadner

EB Editors

### Article Contributors

Robert J. Kadner - Professor of Microbiology, School of Medicine, University of Virginia, Charlottesville. Coauthor of *Essentials of Medical Microbiology*.

Kara Rogers - Kara Rogers is the senior editor of biomedical sciences at Encyclopædia Britannica, where she oversees a range of content from medicine and genetics to microorganisms. She joined Britannica in 2006 and has been a member of the National Association of Science Writers since 2009.



捲動到文章末尾點擊Article Contributors查看文章貢獻者以及他們在主題方面做過的相關研究與貢獻。透過Additional Reading查看額外閱讀和參考建議，幫助您進一步進行研究。

# 研究工具

## 關鍵字搜尋

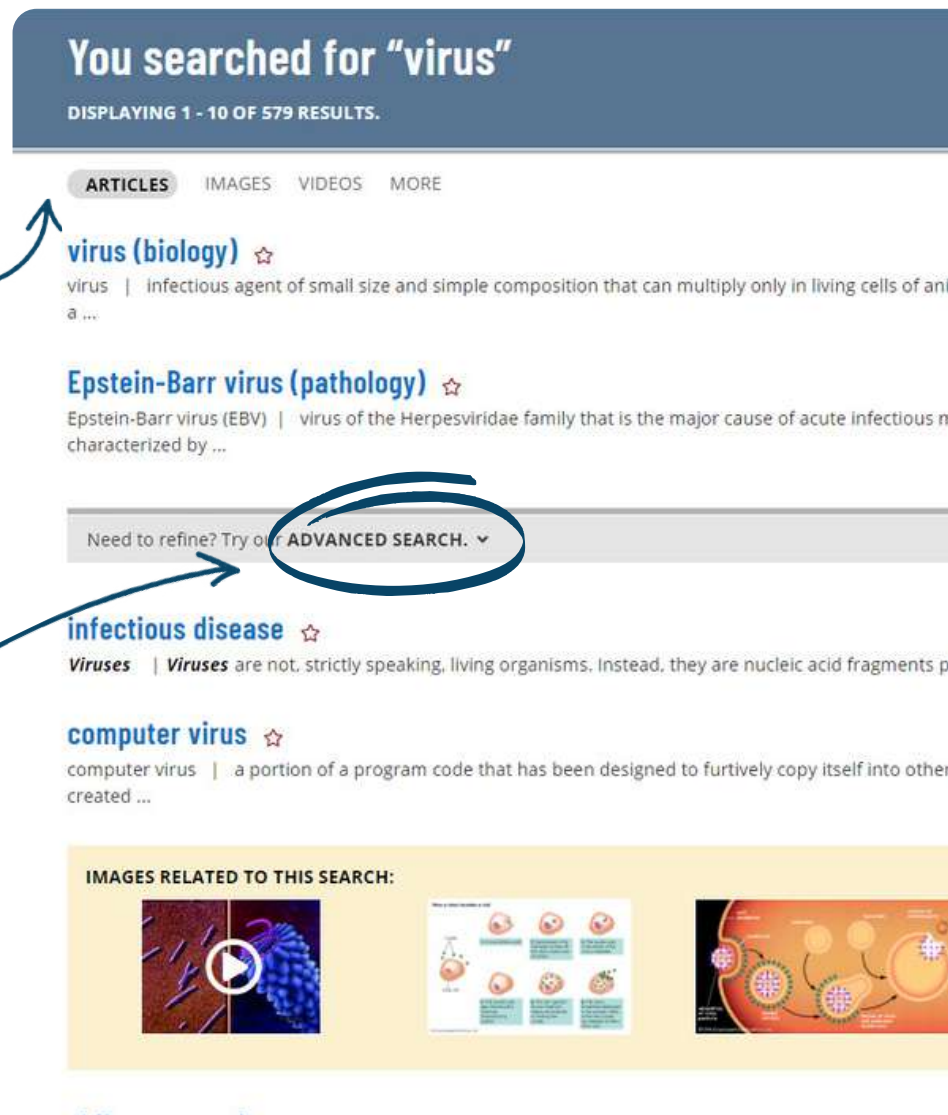
在搜尋框中鍵入關鍵字，例如“virus”，開始搜尋。

## 過濾搜尋結果

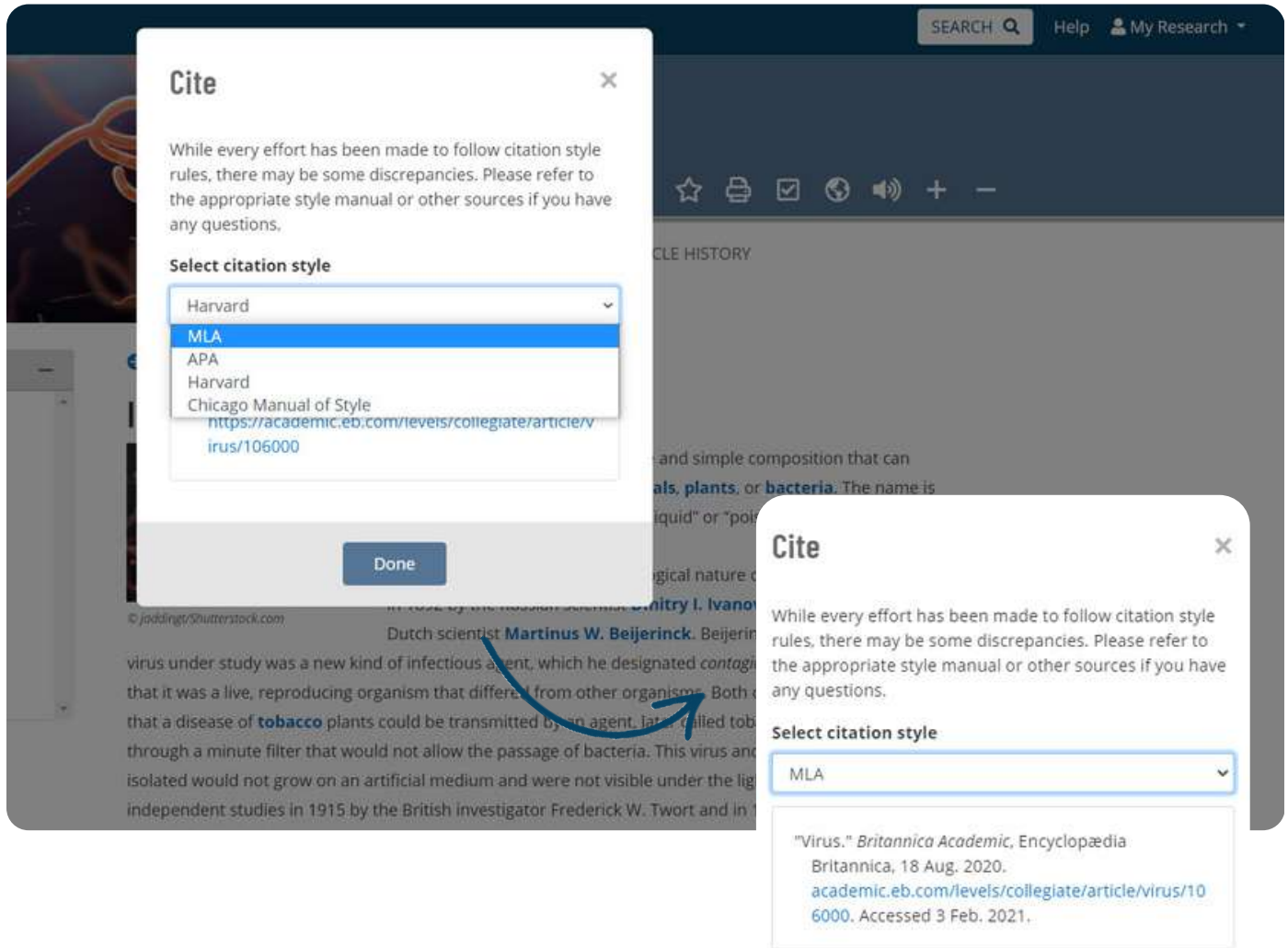
透過頁面上方選單內按內容類型篩選搜尋結果，例如 文章(articles)，圖像(images)，視訊(videos)，字典(dictionary)，期刊雜誌(journals/periodicals)，原始文獻與電子書(primary sources/e-books) 或年度回顧(Year in Review)。

## 進階搜尋

使用「高級搜尋」進一步優化搜尋結果。



# 引文工具



引文工具可以依照多個規範格式為您生成引用文章或媒體出處。點選工具欄中的引用(Cite)圖示開啟引用彈跳窗，從下拉菜單中選擇一個格式。複製生成的引文並根據需要貼上到另一個文檔中。

- MLA
- APA
- Chicago Manual of Style
- Harvard

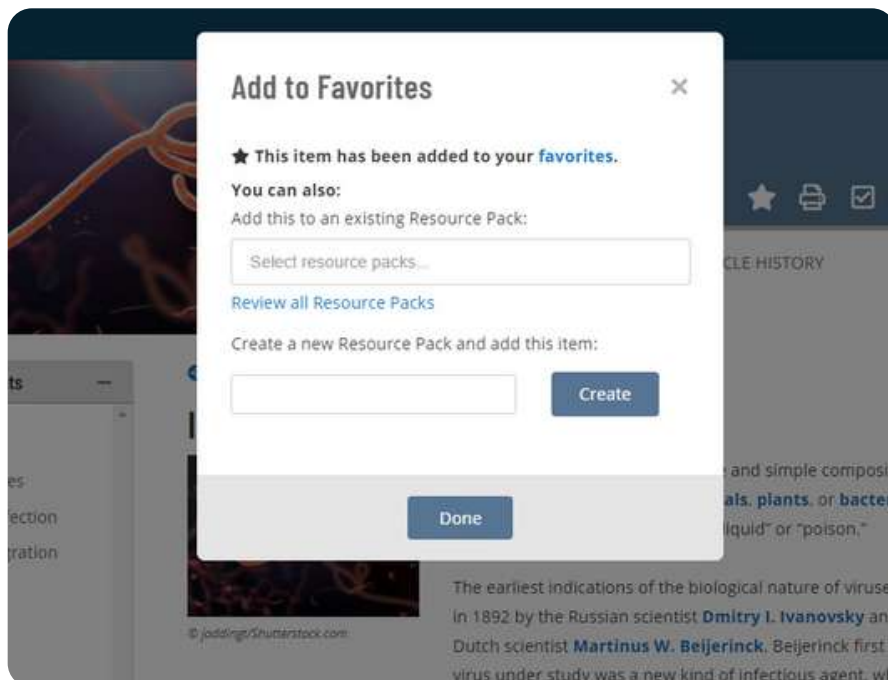
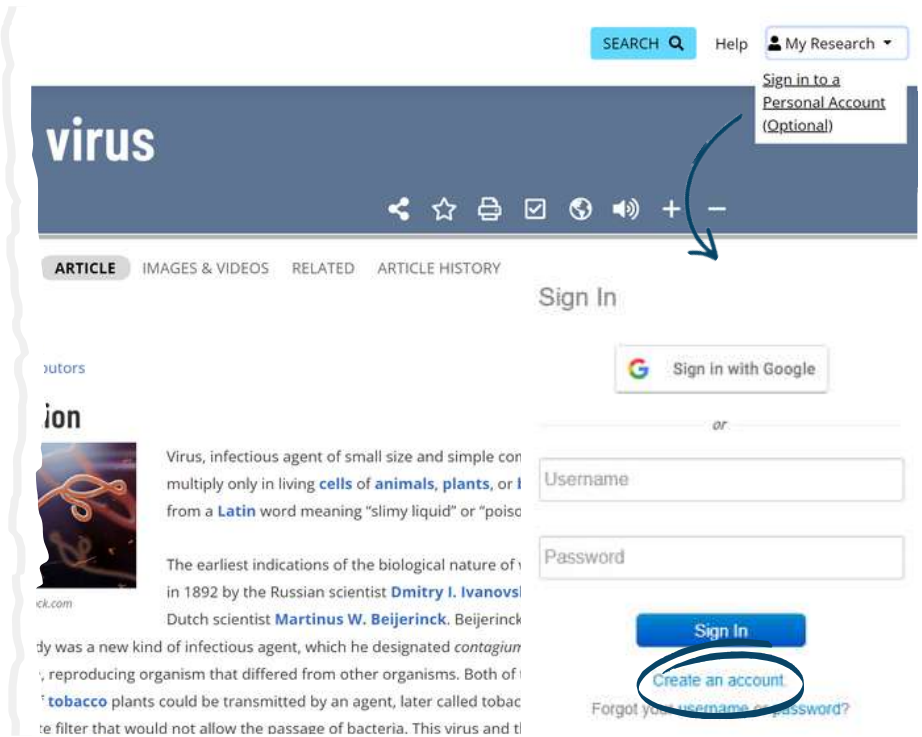
# My Research: 建立個人帳號

## 登入

點選任一頁面右上角的「Sign In to a Personal Account」登入個人帳號。

## 建立帳號

在登入窗口中，點選「Create an account」。輸入您的詳細訊息，然後建立帳戶。



## 添加內容

點選文章或媒體工具欄中的星星圖示“收藏(Favourite)”將文章加入My Research。出現提示時，您可以選擇將內容儲存到現有的資源包，或透過輸入資源包(或文件夾)名稱來建立新的資源包。

# My Research: 整理資料內容

## My Research

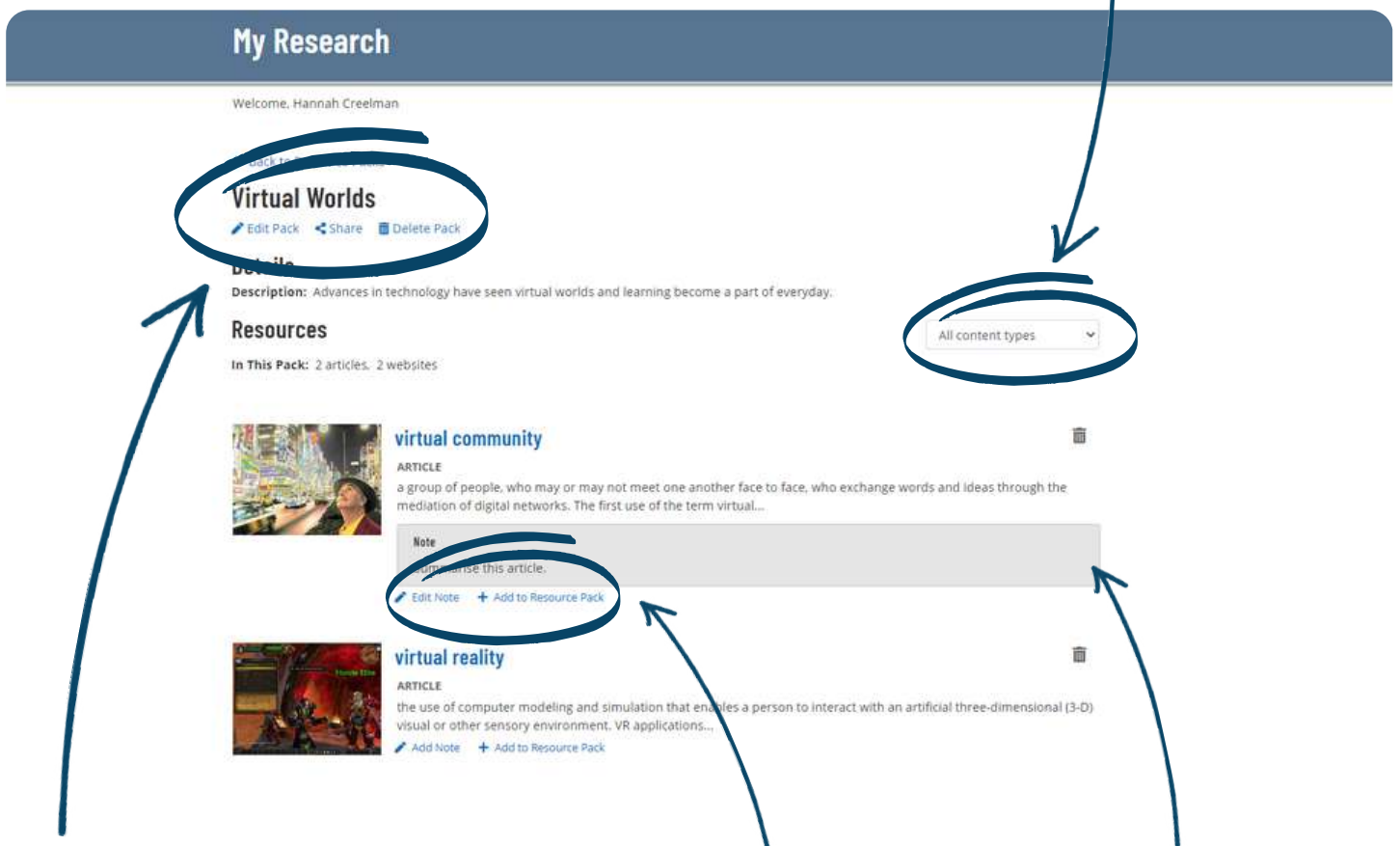
透過點選任意页面右上角的My Research 進入My Research帳號页面。

## 分享資源包

通過生成的連結或電子郵件分享您的資源包。

## 篩選內容

點選"Filter by content type"依類型篩選您的收藏內容，例如圖片。



## 資源包 Resource Packs

點擊查看所有已收藏內容或創建一個新的資源包。

## 整理資料內容

將任何收藏內容拖曳到左側的任意資源包中。

## 新增備註 Notes

為已收藏的內容加上備註。

# 英語為非母語用戶

## 字典 Dictionary

雙擊文章中的任意單字查看字典定義。由韋氏大字典提供英語註解。

## 朗讀文章 Read Aloud

透過文字轉語音工具朗讀文章。



## 支持所有英语能力

Britannica Academic大英百科学术版具有一系列內置工具，为英语为非常用用户提供多方面阅读支持。

# 好奇想問？ ASK Britannica 一問便知

安全、可信，專為研究打造。

ASK Britannica 是一款智慧搜尋工具，提供經專家驗證的知識，為您的學術問題帶來準確且可引用的答案。輸入您的問題，輕鬆開始。快速獲得清晰、可信的解答，內容皆源自 Britannica 的權威資料庫。杜絕錯誤資訊、不代寫報告、不走捷徑。只給您清晰、自信且可信的學習體驗。

盡在 Britannica Academic



# Teach Britannica

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**The Research Process**  
A guide to academic research. Learn to navigate key stages of conducting scholarly work, from crafting questions to sharing results.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Strategies for Deep Reading**  
A guide to deep reading and analysis. Learn techniques for engaging with complex texts, from preliminary skimming to in-depth critical analysis.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Crafting Effective Research Questions**  
A guide to crafting focused, effective research questions, from topic exploration to question refinement.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Mastering Collegiate-Level Note-Taking**  
A guide to enhancing learning and retention through key strategies, from pre-class prep to post-lecture review.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Source Credibility, Reliability, and Bias**  
A guide to evaluating sources for credibility, reliability, and bias. Learn to apply informational literacy to enhance research skills.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Primary and Secondary Sources**  
A guide to identifying, evaluating, and effectively utilizing primary and secondary sources in collegiate research and academic writing.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**The Right Cite**  
A guide to enhancing academic writing by mastering research citations. Learn to distinguish, select, and apply common citation styles.

**ACADEMIC TOOLKIT**  
ACADEMIC RESEARCH  
UNIVERSITY

**Mastering the Literature Review**  
A guide to mastering the literature review process. Learn to conduct a comprehensive and effective literature review for your research project.

Teach Britannica作為針對大學師生推出的一站式開放資源中心，囊括了由大英百科的教育專家精心整合的學術工具包（Academic Toolkits）和輔助材料，旨在幫助大學生培養成功完成高等教育研究所需的關鍵研究技能。點擊主選單中的大英百科圓形圖標，隨時訪問Teach Britannica。



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