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# ScienceDirect(SDOL) 資料庫簡介與應用

Jade Li 李麗娟, Customer Success Manager, A&G Elsevier  
May 2025



# 今日大綱

- 甚麼是**ScienceDirect(SDOL)**?
- 文獻搜尋(快速搜尋)/進階搜尋
- 如何找尋期刊/電子書?
- 整理編輯/個人化設定

- 甚麼是ScienceDirect(SDOL)?

# 研究者流程

Research cycle

Content library

## RESEARCH PREPARATION

- > Funding
- > Research design
- > Research data management
- > Research collaborations
- > Sex and Gender Equity in Research (SAGER) Guidelines

## WRITING FOR RESEARCH

- > Fundamentals of manuscript preparation
- > Writing skills
- > Technical writing skills
- > Book writing

## PUBLICATION PROCESS

- > Fundamentals of publishing
- > Research metrics
- > Finding the right journal
- > Ethics
- > Open science
- > How to publish in premium journals
- > Publishing in the Chemical Sciences

## NAVIGATING PEER REVIEW

- > Certified Peer Reviewer Course
- > Fundamentals of peer review
- > Becoming a peer reviewer
- > Going through peer review

## COMMUNICATING YOUR RESEARCH

- > Social impact
- > Ensuring visibility
- > Inclusion and Diversity for Researchers



Source: <https://researcheracademy.elsevier.com>

# 內容涵蓋**四**大主題, **24**個子主題

## 物理科學 與工程學

Chemical Engineering/Chemistry/Computer Science  
Earth and Planetary Sciences/Energy/Engineering  
Materials Science/Mathematics/Physics and Astronomy

## 醫學

Medicine and Dentistry/Nursing and Health  
Professions/Pharmacology, Toxicology and Pharmaceutical  
Science/Veterinary Science and Veterinary Medicine

## 生命科學

Agricultural and Biological Sciences/Biochemistry, Genetics  
and Molecular Biology/Environmental Science/Immunology  
and Microbiology  
Neuroscience

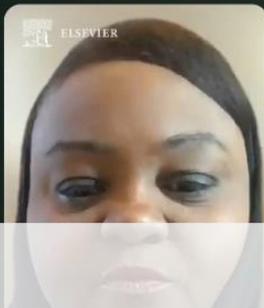
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Arts and Humanities/Business, Management and  
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Finance/Psychology/Social Sciences

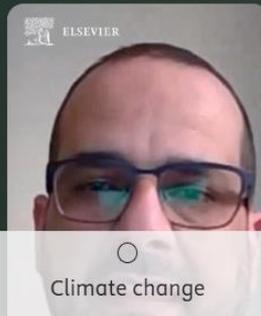
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Confidence in research



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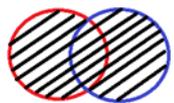
The Lancet 200

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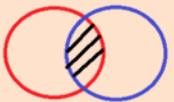
- 文獻搜尋(快速搜尋)/進階搜尋

## 布林運算子



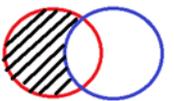
**OR**

必須出現至少一個字詞，例如 liver OR cirrhosis  
有時為同義語的檢索



**AND**

必須出現兩個字詞，例如"Cognitive architecture" AND robots



**NOT**

排除一個字詞，例如 lung NOT cancer 或 lung -cancer  
目的為排除某類文獻的可能性

- 布林邏輯的使用順序是 NOT, AND, OR
- 可用括號清楚標示集合概念, 如 a OR (b AND c)

“”

搜尋完整相似詞組，例如：輸入"heart attack"，將會搜尋heart attack、heart-attack、heart attacks 之結果。

# 搜尋相關須知

Character 字, 字元	Example 舉例
Spelling variations 拼字的不同	Both British and American spelling variants are supported. A search for colour returns color, and vice versa
Greek letters and character equivalents 希臘字母與同等符號	To search the Greek letter $\Omega$ , enter omega. This matches documents containing the word omega as well as the symbols $\Omega$ (uppercase omega) and $\omega$ (lowercase omega).
Subscript and superscript 下標與上標	Enter subscripted and superscripted characters on the same line as the other characters. To search for the chemical notation "H <sub>2</sub> O," enter H2O.
Accented characters 重音字符	To search for the name Fürst, enter Fürst or Furst.
Non-alphanumeric characters 非字母數字字符	Characters such as bullets, arrows, daggers, and plus signs are ignored. 項目符號如箭頭等則會忽略。

# 快速搜尋(首頁上)

## 快速搜尋

Search for peer-reviewed journal articles and book chapters (including open access content)

Find articles with these terms

In this journal or book title

Author(s)

Search 

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**In this Journal or book title** 期刊/書名(輸入刊/書名其中一關鍵字, 系統會列出相關刊名)

**Author(s)** 作者



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搜尋所有欄位除參考資料外

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Find articles with these terms

In this journal or book title

期刊或書名

Year(s)

年份(或區間)

Search tips 

搜尋小撇步

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Issue(s)

期

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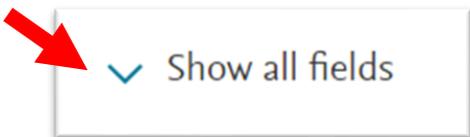
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顯示所有欄位

搜尋

Search 

# 進階搜尋(首頁上)



於文章標題, 摘要, 關鍵字內搜尋

Title, abstract or author-specified keywords

Title 於文章標題內搜尋

References 於參考資料內搜尋

ISSN or ISBN 期刊/書 編碼



Search tips 

可於搜尋小撇步查看文獻類型定義

# 進階搜尋(限制搜尋)

37,235 results

 Set search alert

Years

- 2025 (18,135)
- 2024 (45,134)
- 2023 (37,235)

年份

Article type 

- Review articles (39,718)
- Research articles (221,872)
- Encyclopedia (2,181)

文獻類型

Publication title

出版品名稱

- Sensors and Actuators B: Chemical (10,625)
- Chemical Engineering Journal (8,347)

Subject areas

主題領域

- Materials Science (121,890)
- Chemistry (90,715)

Access type

- Open access & Open archive (40,923)  
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nanomaterial



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# 搜尋結果頁面

Find articles with these terms



Advanced search

Suggested publications:

推薦相關主題的出版品



排序方式: 相關性/日期

313,523 results

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Refine by:

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- 2024 (45,134)
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sorted by *relevance* | date

- 1 **Functional inorganic nanomaterials** for renal cell carcinoma treatment: Advancements and trends  
 Chinese Chemical Letters, Available online 21 February 2025  
 Yuanyi Zhou, Lili Wang, ... Mingshan Zhu  
 View PDF | Abstract | Graphical Abstract | Extracts | Figures | Export
- 2 **The role of nanomaterials** in tailoring electromembrane extraction performance: A review  
 Talanta, 1 July 2025  
 Wajid Ali Khan, Muhammad Balal Arain, ... Grzegorz Boczkaj  
 View PDF | Abstract | Graphical Abstract | Extracts | Figures | Export

搜尋結果

Suggested topics

- Nanomaterial in Chemistry
- Nanomaterial in Engineering
- Nanomaterial in Physics and Astronomy

相關主題, 可點選查詢該術語與其相關書籍



Display: 25 | 50 | 100 results per page 顯示每頁篇數

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點選文章, 瀏覽文獻

Review article ● Full text access

1 **Nanomaterials** driven CRISPR/Cas-based biosensing strategies 文章標題

Chemical Engineering Journal, 29 August 2023 期刊名稱

Ying Huang, Qian Wen, ... Haiyan Zhong 作者名稱

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觀看PDF檔 摘要 擷取關鍵字 圖 匯出書目資料

Review article ● Open access

2 Mechanism of polymer composite-based **nanomaterial** for biomedical applications

Advanced Industrial and Engineering Polymer Research, Available online 9 September 2023

Nadeem Hussain Solangi, Rama Rao Karri, ... Shaukat Ali Mazari

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# 瀏覽文獻(網頁全文頁左/中)

Outline  
Highlights  
Abstract

大綱  
可快速檢  
視想看的  
內容



期刊名稱, 點選可看期刊資訊

Chemical Engineering Journal

Volume 435, Part 3, 1 May 2022, 134976



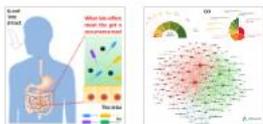
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Zhanjun Gu  
View in Scopus

CAS Key Laboratory for Biomedical Effects of Nanomaterials and Nanosafety, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049,  
More documents by Zhanjun Gu  
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Cited by (7) 引用文獻

Figures (18) 圖



## Review 文章標題 Recent advances in understanding the effects of nanomaterials on gut microbiota

作者

Jiani Xie<sup>a, b, 1</sup>, Maoru Zhao<sup>b, c, 1</sup>, Chengyan Wang<sup>b, c</sup>, Yuan Yong<sup>a</sup>, Zhanjun Gu<sup>b, c, d, e</sup>

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Highlights 文章重點

- Nanomaterials can interact with gut microbiota and induce its alterations.
- Nanomaterials' physicochemical properties are crucial to cause the alterations.

快速查看參考文獻並檢視全文

J.C. Clemente, L.K. Ursell, L.W. Parfrey, R. Knight  
The impact of the gut microbiota on human health: an integrative view  
Cell, 148 (6) (2012), pp. 1258-1270

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Google Scholar

### 1. Introduction

Gut microbiota, a diverse microbial ecosystem, is located in the human digestive tract [1].  
[2]. Considerable evidence has demonstrated that the gut microbiota plays an indispensable role in the maintenance of human health which influences, modulates, and



# 瀏覽文獻(網頁全文頁中)

Review

## Recent advances in understanding the effects of nanomaterials on gut microbiota

Jiani Xie<sup>a b 1</sup>, Maoru Zhao<sup>b c 1</sup>, Chengyan Wang<sup>b c</sup>, Yuan Yong<sup>f</sup>, Zhanjun Gu<sup>b c d e</sup>  

In recent years, nanomaterials with special size-dependent chemical, electronic, and optical properties have been applied in many fields, such as food, agriculture, and medicine [10], [11], [12], [13], [14], [15], [16]. Such widespread **nanomanufacturing** and nanoapplications in human life have brought extensive public attention to the effects of nanomaterials on gut microbiota because they represent increased opportunities for

快速查詢專有名詞定義, 相關術語, 並透過專業書籍深入了解

### Nanomanufacturing System

'Nanomanufacturing' is defined as the intentional synthesis, generation or control of nanomaterials, or fabrication steps in the nanoscale for commercial purpose applied to produce nano-objects or nanostructured materials.

From: *Nanoengineering*, 2015

#### Recommended articles



#### Hexagonal $\text{Na}_x\text{WO}_3$ nanocrystals with reversible valence states for microwave...

Chemical Engineering Journal, Volume 446, Part 2, 2...  
Haili Yan, ..., Hui Zhang

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#### 推薦文章

參考依據為研究者在閱讀該篇文章後的短時間內所閱讀的其他文章. 根據頻率, 整體受歡迎度, 與該文章的聲望.

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Environmental Science



Subdomain



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教科書

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手工具書

Reference works

參考工具書

Book series

叢書

A

Abatement of Environmental Pollutants

書名

Trends and Strategies

Book • 2019

ACOPS Yearbook 1986–87

Advisory Committee on Pollution of the Sea, London

Book • 1987

Acta Ecologica Sinica

期刊名

Journal • Contains *open access*

Acta Oecologica

Journal • Contains *open access*

Activated Carbon

Book • 2006

Adapting to Climate Change in Europe

Exploring Sustainable Pathways - from Local Measures to Wider Policies

Book • 2018

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# 期刊資訊



## Chemical Engineering Journal

Supports open access

### 期刊影響力指標

21.7

CiteScore

15.4

Impact Factor

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## Ultrananocrystalline Diamond

書名

Book • Second Edition • 2012

出版年份



作者

Edited by:  
Olga A. Shenderova and Dieter M. Gruen

↓ About the book

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↓ By table of contents

下載整個章節

Book description

Ultrananocrystalline Diamond: Synthesis, Properties, and Applications is a unique practical reference handbook. Written by the leading experts worldwide it introduces the science o ... [read full description](#)

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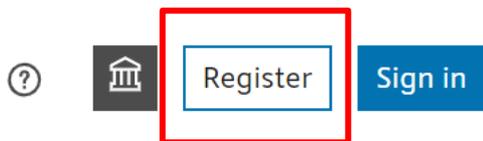
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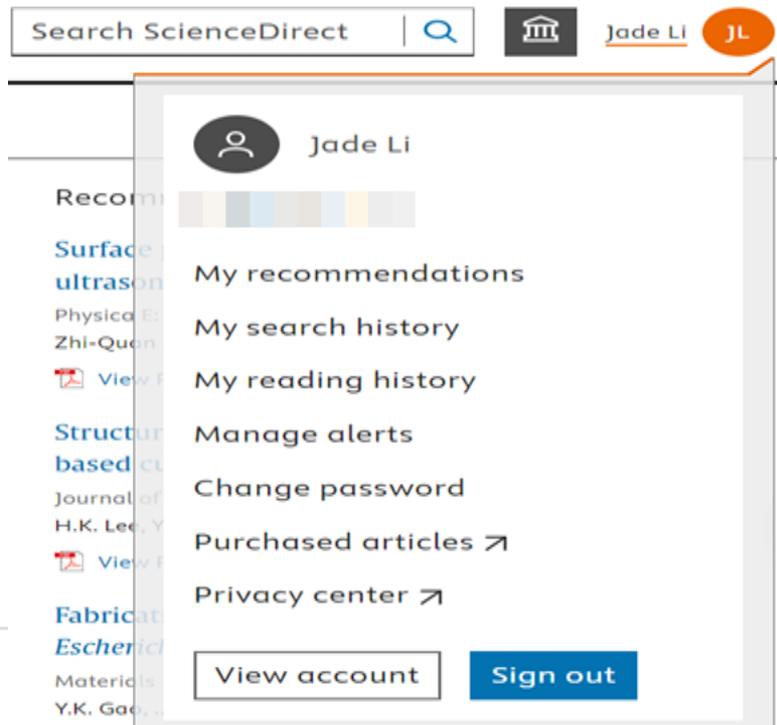
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JOURNAL ALERT 6 June 2023

Clinical Breast Cancer

Frequency: As published. Last sent: 14 September 2023 to jade.li@elsevier.com. [View journal](#)

SEARCH ALERT 18 May 2023

chatbot

Frequency: Monthly. Last sent: 5 September 2023 [View online](#)



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Chemical Engineering Journal, 29 August 2023

Ying Huang, Qian Wen, ... Haiyan Zhong

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Advanced Industrial and Engineering Polymer Research, Available online 9 September 2023

Nadeem Hussain Solangi, Rama Rao Karri, ... Shaukat Ali Mazari

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Chemical Engineering Journal

Volume 474, 15 October 2023, 145615



Review

## Nanomaterials driven CRISPR/Cas-based biosensing strategies

[Ying Huang](#), [Qian Wen](#), [Ying Xiong](#), [Yanni Chen](#), [Wang Li](#), [Jiali Ren](#), [Haiyan Zhong](#)

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Chemical Engineering Journal, 29 August 2023  
Ying Huang, Qian Wen, ... Haiyan Zhong

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Review

## Nanomaterials driven CRISPR/Cas-based biosensing strategies

[Ying Huang](#), [Qian Wen](#), [Ying Xiong](#), [Yanni Chen](#), [Wang Li](#), [Jiali Ren](#), [Haiyan Zhong](#)

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Review

## Nanomaterials driven CRISPR/Cas-based biosensing strategies

Ying Huang, Qian Wen, Ying Xiong, Yanni Chen, Wang Li, Jiali Ren, Haiyan Zhong

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	AUTHORS	YEAR	TITLE	SOURCE	ADDED	FILE
<input type="checkbox"/>	Huang Y, Wen Q, Xiong ...	2023	Nanomaterials driven CRISPR/Cas-based biosensing strategies	Chemical Engine...	6:50 PM	

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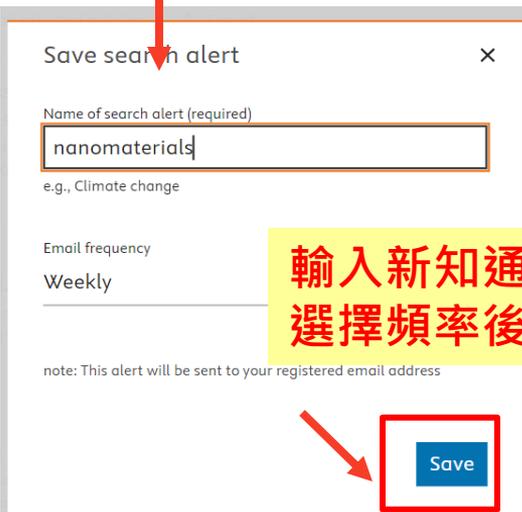
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?

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nanomaterials

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<https://view.highspot.com/viewer/659b609b8fb429b3201ce1a6>



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