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Jade Li 李麗娟, Customer Consultant, A&G Elsevier

Mar 2024



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- 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)?

# 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

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Professions/Pharmacology, Toxicology and Pharmaceutical  
Science/Veterinary Science and Veterinary Medicine

## 生命科學

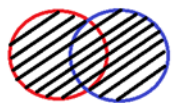
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and Molecular Biology/Environmental Science/Immunology  
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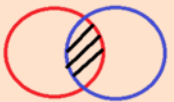
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## 布林運算子



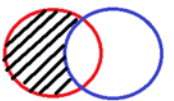
**OR**

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。

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Character 字, 字元	Example 舉例
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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。

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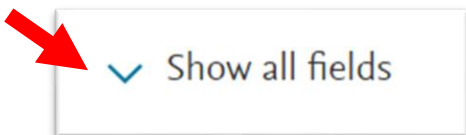
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- 2024 (416)  
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年份

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 Research articles (171,513)  
 Encyclopedia (1,792)

文獻類型

Publication title **出版品名稱**

- Sensors and Actuators B: Chemical (9,369)  
 Journal of Alloys and Compounds (5,974)

Subject areas

- Energy (46,765) **主題領域**  
 Environmental Science (46,165)  
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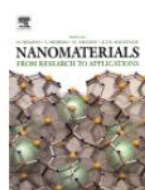
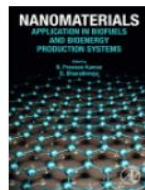
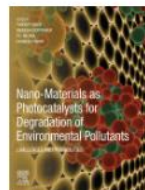
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Chemical Engineering Journal, 29 August 2023

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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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Chemical Engineering Journal, 29 August 2023 期刊名稱

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

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# 瀏覽文獻(網頁全文頁左/中)

Outline  
Highlights  
Abstract  
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Figures (18)

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  
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CAS Key Laboratory for Biomedical Effects of Nanomaterials and Nanosafety, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049,  
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CsPbBr<sub>3</sub> Perovskite Nanoparticles causes Colitis-Like Symptom via Promoting Intestinal...  
Small, Volume 19, Issue 32, 9 August 2023  
Mei, L., ..., Gu, Z.

Review

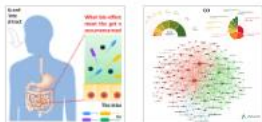
文章標題

## 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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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



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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

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### 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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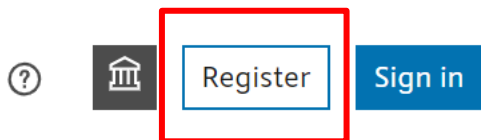
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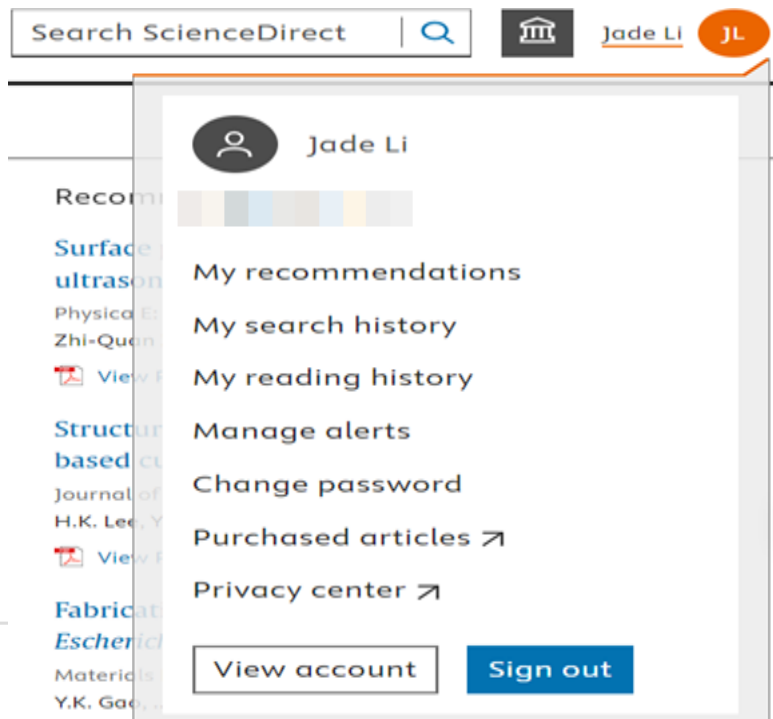
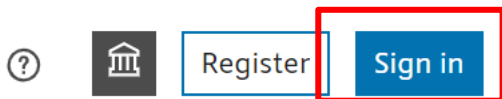
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Clinical Breast Cancer

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

SEARCH ALERT 18 May 2023

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Chemical Engineering Journal

Volume 474, 15 October 2023, 145615



Review

## Nanomaterials driven CRISPR/Cas-based biosensing strategies

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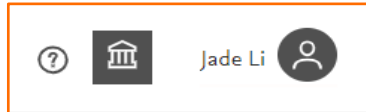
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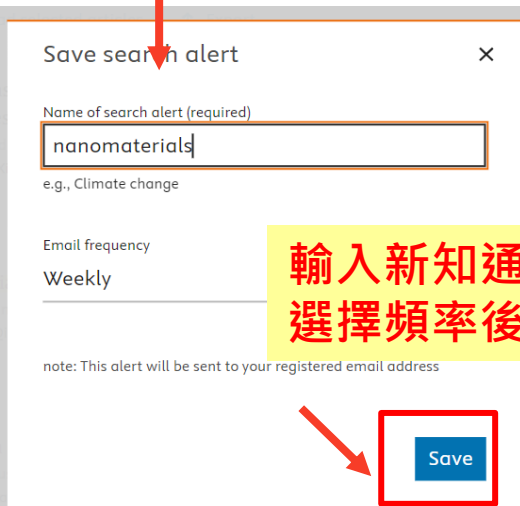
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