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

Sept 2023



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- 甚麼是ScienceDirect(SDOL)?
- 文獻搜尋(快速搜尋)/進階搜尋
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# 內容涵蓋四大主題, 24個子主題

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October 2, 2023

By Alison Bert, DMA, Ian Evans

Selected research by Physics Laureates

Anne L'Huillier

*Chemical Physics*

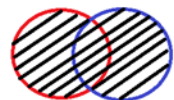
- [Theory of attosecond delays in laser-assisted photoionization](#) (2013)

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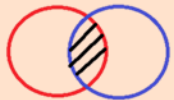
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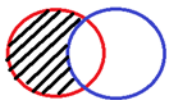
**OR**

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



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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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Spelling variations 拼字的不同	Both British and American spelling variants are supported. A search for colour returns color, and vice versa
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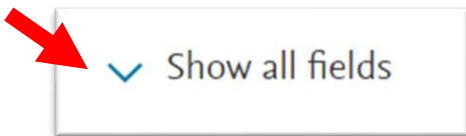
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- ☐ Sensors and Actuators B: Chemical (9,369)
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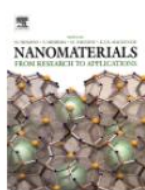
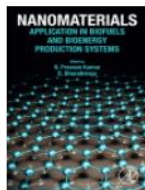
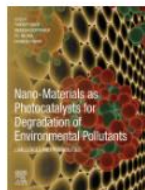


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Advanced Industrial and Engineering Polymer Research, Available online 9 September 2023  
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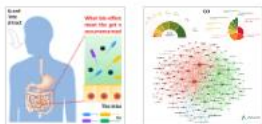
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Highlights

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Table 1



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Chemical Engineering Journal

Volume 435, Part 3, 1 May 2022, 134976



Zhanjun Gu

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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>1</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.

### 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

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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Small, Volume 19, Issue 32, 9 August 2023  
Mei, L., ..., Gu, Z.

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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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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

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Haili Yan, ..., Hui Zhang

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書名

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ACOPS Yearbook 1986–87

Advisory Committee on Pollution of the Sea, London

Book • 1987

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期刊名

Journal • Contains *open access*

Acta Oecologica

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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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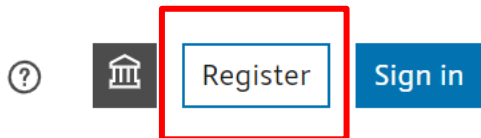
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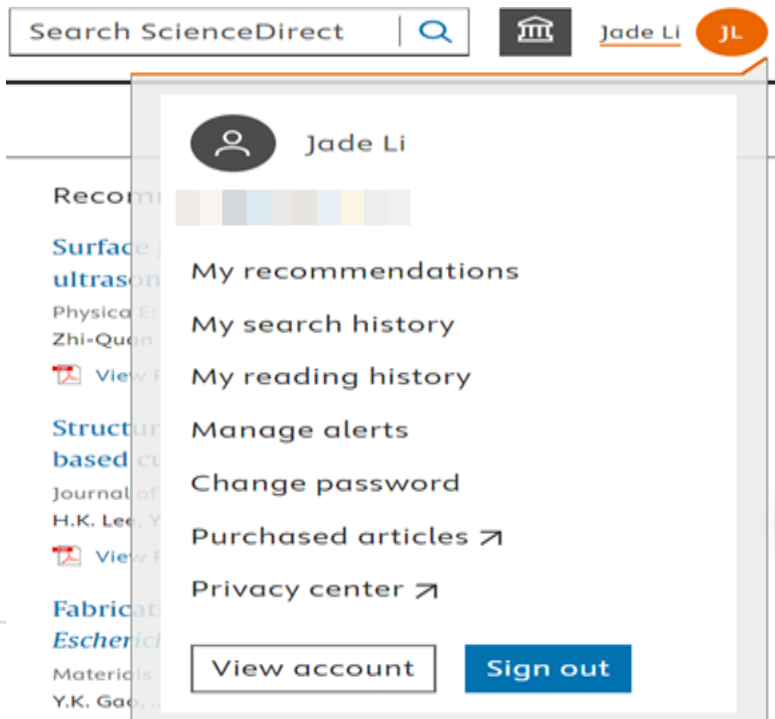
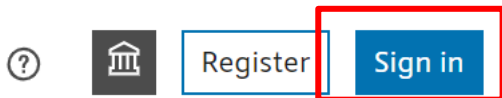
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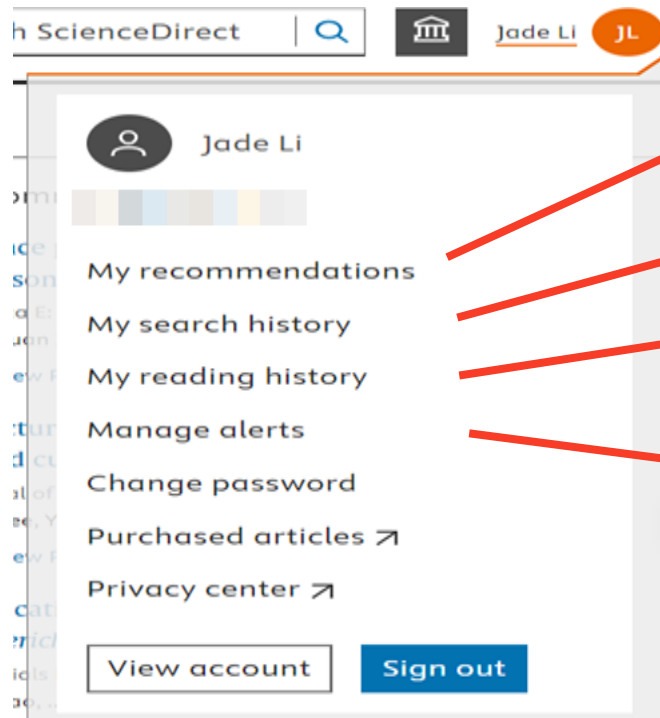


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Chemical Engineering Journal

Volume 474, 15 October 2023, 145615



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analogów tiosemikarbazonowych  
chelatorów żelaza  
Maciej Serda, Fernando Gertum Becker et al.  
Uniwersytet śląski, 7, 1, 2013

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