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

Mar 2025



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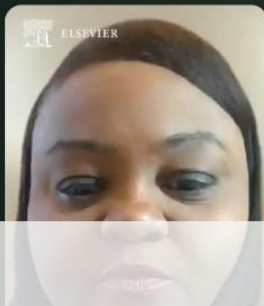
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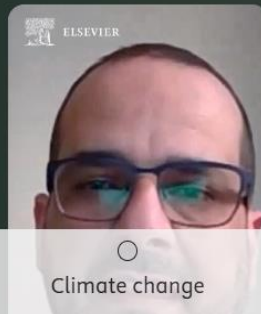
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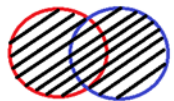
David Baker

- Preclinical proof of principle for orally delivered Th17 antagonist miniproteins ↗, *Cell* (August 2024)
- Modulation of FGF pathway signaling and vascular differentiation using designed oligomeric assemblies ↗, *Cell* (July 2024)

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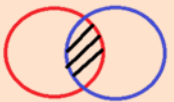
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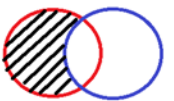
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“”

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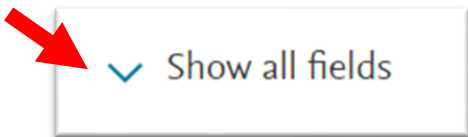
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- ☐ Sensors and Actuators B: Chemical (10,625)
- ☐ Chemical Engineering Journal (8,347)

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Talanta, 1 July 2025
Wajid Ali Khan, Muhammad Balal Arain, ... Grzegorz Boczkaj
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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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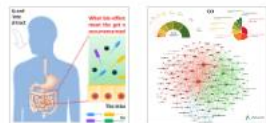
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Highlights

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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^{a, b, 1}, Maoru Zhao^{b, c, 1}, Chengyan Wang^{b, c}, Yuan Yong¹, Zhanjun Gu^{b, c, d, e}

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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,

More documents by Zhanjun Gu
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Small, Volume 19, Issue 32, 9 August 2023
Mei, L., ..., Gu, Z.

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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Review

Recent advances in understanding the effects of nanomaterials on gut microbiota

Jiani Xie^{a b 1}, Maoru Zhao^{b c 1}, Chengyan Wang^{b c}, Yuan Yong^f, Zhanjun Gu^{b c d e}  

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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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

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Journal • Contains *open access*

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Book • Second Edition • 2012

出版年份



作者

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

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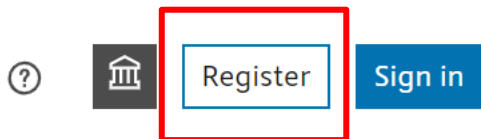
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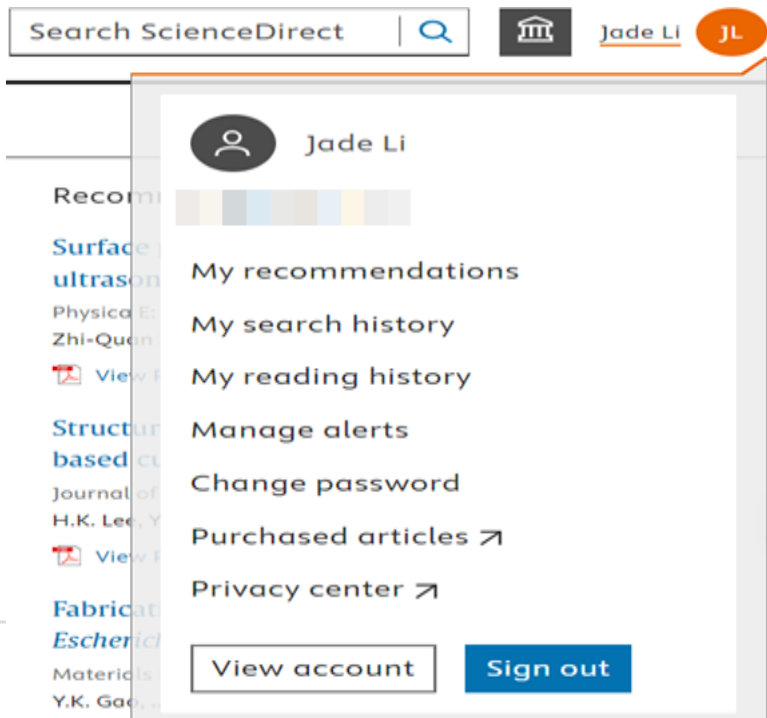
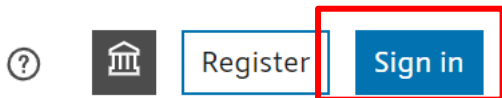
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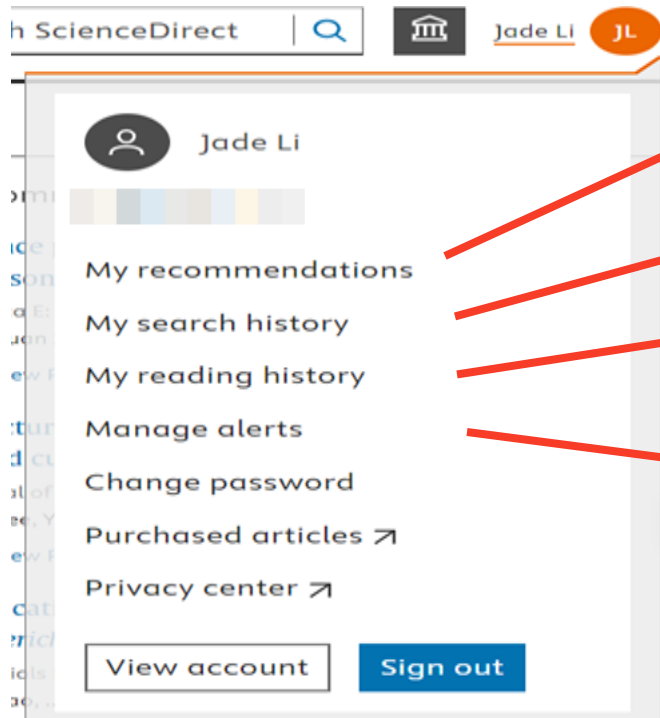
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Chemical Engineering Journal

Volume 474, 15 October 2023, 145615



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Nanomaterials driven CRISPR/Cas-based biosensing strategies

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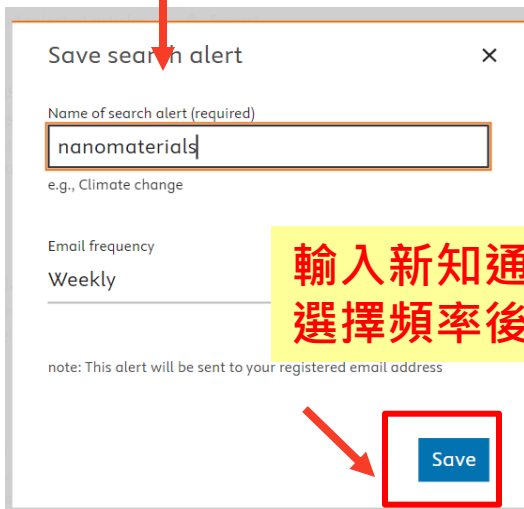
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