突破研究選擇障礙:

用 Scopus & Scopus AI 精準鎖 定主題與投稿期刊

國立海洋大學

8 July 2025





Advancing human progress together

## 研究過程更有策略 達成研究目標

善用 Elsevier 研究工具,完整輔 佐研究過程 鎖定研究主題

了解優勢研究領域以及該領域研究趨勢及 熱門主題

建立研究團隊

透過相同領域及 Elsevier 指紋引擎搜尋優秀人才

評估研究團隊潛力

建立研究團隊並評估研究合作效益

擬定研究計畫

尋找研究缺口及評估研究主題趨勢

開始研究過程

搜尋優質研究及評估篩選合適投稿期刊

## 研究過程更有策略 達成研究目標

使用 Scopus & Scopus AI 搜尋及分析功能聚焦發展前瞻研究及高影響力期刊提升引用影響力

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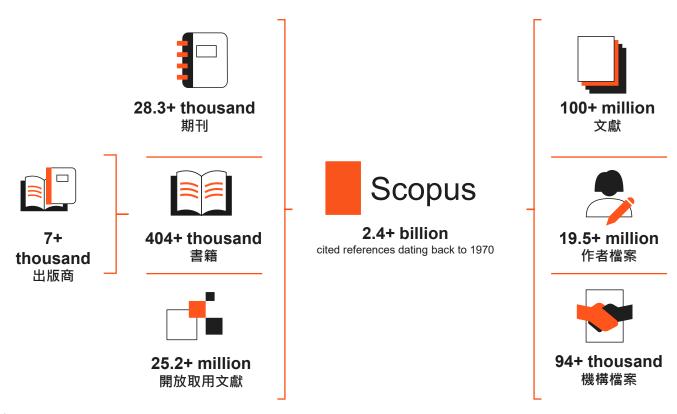
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## Scopus: 全面、多學科、可信賴的摘要和引文資料庫



## Scopus 涵蓋範圍 (March 2025)

### Global representation means global discovery across all subjects and content types

收錄約 **100.8M** 文獻: **28.7K** 期刊, **167K** 會議和 **404K** 書籍 (stand alone titles)

來自 7,000+ 出版商及 105 國家

- 每日更新——天收錄約 13,000 文獻
- **25.2M** 開放取用文獻 (Gold, Hybrid Gold, Bronze & Green)
- **2.6M** 預印本 from multiple preprint servers
- **8,188** Open Access 期刊

各學科相關期刊數量**	期刊	會議	書籍	預印本
物理科學 <b>15,744</b>	28,791** active peer-reviewed journals	<b>167K</b> conference events	<b>404K</b> stand-alone books	2.6M preprints
健康科學 15,525	<ul><li>167 trade journals</li><li>8,188 OA Journals (DOAJ/ROAD)</li><li>24.1M fully-indexed funding</li></ul>	<b>12.91M</b> conference papers	<b>3.61M</b> total book items	<ul><li>7 preprint servers:</li><li>arXiv</li><li>ChemRxiv</li><li>bioRxiv</li></ul>
社會科學 16,279	<ul> <li>acknowledgements</li> <li>Full metadata, abstracts and cited references (refs post-1970 only)</li> <li>Citations back to 1970</li> </ul>	Mainly Engineering and	Focus on Social Sciences and A&H	<ul><li>medRxiv</li><li>SSRN</li><li>TechRxiv</li><li>Research</li><li>Square</li></ul>
生命科學 8,414		Mainly Engineering and Computer Sciences		

## Scopus AI 回應有哪些?



### 總結概述

完整的參考總結概述包括 AI 對回覆信心的指引



### 擴充概述

延伸的參考概述可從多角 度探討每個查詢



### 深入主題問題

一系列的提示, 旨在幫助 您繼續探索和學習



### 概念地圖

一個可下載的視覺圖, 使 用關鍵詞提供對主題空間 的整體概覽



### 基礎論文

基礎論文列出與查詢關鍵 字詞相關之高倍引文章



### 主題專家

您所選領域中發表相關論文數 量最多的頂尖研究人員



### 新興主題

利用獨特向量計算服務協助研究 人員發現新的和正在趨勢上的研 究機會



### 對話式後續追蹤

一個自由文字欄位, 讓您能輸入追 蹤問題並持續深入探究



### 查詢紀錄

自動整理您的所有先前查詢清單, 讓您隨時恢復先前的搜尋

## 規劃研究方向及主題 您會考量什麼?

請將最符合您答案的數字打在聊天室中!

1

對主題的 興趣與熱忱 2

該主題在研究領 域的相關性與 影響力 3

原創性與新穎程度

4

研究過程 可行性 5

主題範圍與聚焦

6

經費來源

## 海大研究特色發展領域

我對智慧航運有興趣,想要 快速了解:

## 智慧航運最新的發展是什麼?



資料來源: 國立海洋大學 110 - 114 年度校務發展計畫

## 利用 Scopus AI 了解研究主題及趨勢

### 智慧航運最新的發展是什麼?

#### Hide Copilot steps ^

- Ø Performing natural language search:
  - · What are the latest developments in smart shipping?

### 

("smart shipping" OR "intelligent shipping" OR "autonomous shipping" OR "digital shipping") AND
 ("maritime" OR "shipping industry" OR "logistics" OR "transportation") AND ("technology" OR "innovation" OR "development" OR "advancement") AND ("automation" OR "autonomous" OR "robotics" OR "drones")
 AND ("sustainability" OR "efficiency" OR "optimization" OR "performance") AND ("navigation" OR "tracking" OR "communication" OR "data")

Tip: 參考 Scopus AI 使用的關鍵字,並可使用於傳統 Scopus 關鍵字搜尋聚焦想要查找的資料

## 90%

Scopus AI 用戶表示這有助於他們擬 定或精煉研究問題與目標。

Source: 2024-2025 Elsevier user experience research

- Copilot 搜尋工具支援自然語言搜尋
- 結合向量搜尋與關鍵字搜尋
- 拆解並優化查詢,提升結果的精確度
- 支援**多國語言**搜尋指令

# 利用 Summary 了解主題不同研究觀點及其資料來源

### 探索基礎文獻

#### Foundational documents

200 citations

Internet of Ships: A Survey on Architectures, Emerging Applications, and Challenges S., Aslam, Sheraz,

M.P., Michaelides, Michalis P.,

H., Herodotou, Herodotos

67 citations

Autonomous ships are on the horizon: here's what we need to know

R.R., Negenborn, Rudy R.,

F., Goerlandt, Floris,

T.A., Johansen, Tor Arne, (...),

N.P., Ventikos, Nikolaos P.

Show more documents

### 回應參考資料來源

#### References

Reference 1

Cyber Challenges amid the Digital Revolution in Maritime Transport

Kouroupis K., Sotiropoulos L.

Iuridical Tribune - Review of

Reference 2

Awareness Systems for Maritime Surveillance and Autonomous Navigation [Point of View] Forti N., D'Afflisio E., Braco P., (...),

Next-Gen Intelligent Situational

Willett P.

Reference 3

Real-time digital twin of autonomous ships based on virtual-physical mapping model Xia G., Zhou Z., Han E. (...), Lin Q. Physics of Fluids 7/2024

Show all 12 references

#### Summary

#### Latest Developments in Smart Shipping

The field of smart shipping is rapidly evolving, driven by advancements in various technologies. Here are some of the latest developments:

#### **Key Technologies and Innovations**

#### 1. Autonomous and Unmanned Vessels 自主無人船舶

- Autonomous ships and unmanned vessels are at the forefront of smart shipping. These vessels
  leverage advanced sensors, artificial intelligence (AI), and machine learning (ML) to navigate
  and operate with minimal human intervention 1 2 3 4 5 6.
- The development of digital twin systems, such as the one used in the Dolphin 1 experimental ship, allows for real-time tracking and predictive analysis of a vessel's navigational state and performance 3.

### 2. Blockchain and Smart Contracts 區塊鏈與智能合約

Blockchain technology and smart contracts are being integrated into maritime operations to
enhance transparency, security, and efficiency. These technologies facilitate the secure
transmission and storage of electronic documents, tracking of goods, and automated
payments 1 4 7.

### 3. Internet of Ships (IoS) 船舶物聯網

 The IoS paradigm connects various maritime objects, including ships, ports, and transportation infrastructure, to optimize decision-making, reduce costs, and improve safety and environmental sustainability. Edge computing is being integrated to meet the real-time and low-latency requirements of intelligent ships and other applications

## Follow-up question 追蹤問題

### **Expanded summary**

Based on the user's query, I will address the environmental benefits, safety and security improvements, economic implications, and key challenges of smart shipping technology.

### **Environmental Benefits of Smart Shipping Technology:**

- Smart shipping technology, including autonomous ships and blockchain, is expected to enhance
  environmental sustainability in maritime logistics 1 2.
- The integration of smart technologies such as artificial intelligence (AI), machine learning (ML), and big data in the shipping industry can lead to reduced running costs and improved performance, ultimately contributing to environmental benefits 3.
- The use of smart technologies like AI, big data, and ML can lead to greater investment and significant benefits for ship owners, potentially improving environmental sustainability 3.

可以列出目前現有的海運智能科技嗎?

 $\uparrow$ 

#### 可以列出目前現有的海運智能科技嗎?

Show Copilot steps 🗸

#### Summary

Based on the provided abstracts, here is a summary of the current smart technologies in the maritime industry:

#### **Current Smart Technologies in Maritime Industry**

- 1. Blockchain and Smart Contracts
- Utilized for secure and efficient transactions and operations in shipping 1.
- 2. Information Perception Technology
- Involves the use of sensors and data collection tools to monitor and manage ship operations
   1 2.
- 3. Intelligent Decision-Making and Routing
- AI and machine learning algorithms are used to optimize routes and decision-making processes 1 3.
- 4. Marine Communication Network Security
- Ensures secure communication channels to protect against cyber threats 1 4.
- 5. Autonomous Navigation
- Development of unmanned vessels and autonomous navigation systems to enhance efficiency and safety 1 2 s.
- 6. State Monitoring and Fault Diagnosis

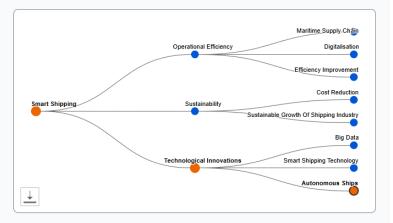
## Concept Map 概念圖

### 縱觀全局

採用大型語言模型來編織研究領域的結構,使用研究摘要中的關鍵字為每次查詢產生概念地圖,**有助全面了解此主題間的關聯,並探索尚未開發的前沿領域**。

**點擊一個節點**時,該關係會以橘色顯示,也會有關係的概述和解釋。如果點擊其他節點, 概述和解釋也會隨之更新。

#### Concept Map



#### Linked concept path summary

Smart Shipping → Technological Innovations → Autonomous Ships

The development of autonomous ships is a key focus in the maritime industry, driven by technological advances in automation, robotics, artificial intelligence, and digitalization 1. Here's a breakdown of the key points supported by the abstracts:

- Technological Advances: The maritime industry is leveraging technologies such as the Internet
  of Things, artificial intelligence, and virtualization to drive the evolution towards smart and
  autonomous shipping 2 3 4.
- Benefits of Autonomous Ships: Autonomous ships are expected to improve safety, security, cost
  efficiency, and sustainability in maritime transportation 1. They are also anticipated to bring
  about changes in ship operations, from construction to decommissioning 5.
- Challenges and Risks: While autonomous shipping offers numerous benefits, it also presents challenges such as non-navigation, cyber-piracy, and unstable communication conditions 
   6.

## **Emerging Themes**

## 有效找出研究缺口

### 每個主題都被歸到三個類別之一:

- 既有 Consistent Theme: 主題在兩個 12 個月期間的涵蓋率相似。
- 新興 Rising Theme: 雖然涵蓋程度相似, 但在最近一年該領域有所成長。
- 新穎 Novel Theme: 主題的涵蓋率相對較低,也就是說,這是一個新的主題,或是目前針對此主題的文獻不足。這表示您可以針對這潛在的「空白」來研究、募資、合作等。

### 綠色物流與永續實務 既有主題

#### Green Logistics and Sustainable Practices Consistent Theme

The consistent presence of green logistics and sustainable practices in the research landscape highlights the ongoing importance of integrating eco-friendly methods into logistics operations. This theme encompasses a wide range of studies focusing on the implementation of green logistics, the role of technology in enhancing sustainability, and the impact of these practices on supply chain performance.

### 智能物流及工業 5.0 新興主題

#### Smart Logistics and Industry 5.0 Rising Theme

The integration of advanced technologies such as IoT, AI, and blockchain into logistics operations is gaining momentum, as evidenced by the rising interest in smart logistics and Industry 5.0. This theme explores how these technologies can enhance efficiency, reduce environmental impact, and support sustainable logistics practices.

### 物聯網驅動的物流即時監控 新穎主題

#### IoT-Enabled Real-Time Monitoring in Logistics Novel Theme

The novel application of IoT-enabled real-time monitoring systems in logistics presents a unique opportunity to enhance the efficiency and sustainability of supply chain operations. This theme focuses on the use of smart sensors and digital twin frameworks to optimize cargo shipment management and improve overall logistics performance.

## **Emerging Themes**

### 利用 Potential Hypotheses (建議研究假說) 來 聚焦鎖定研究主題方向

IoT-enabled real-time monitoring systems significantly reduce the environmental impact of logistics operations by optimizing routes and reducing idle times

Show Copilot steps 🗸

#### Summary

#### **IoT-Enabled Real-Time Monitoring Systems in Logistics**

IoT-enabled real-time monitoring systems have a significant impact on reducing the environmental footprint of logistics operations by optimizing routes and reducing idle times. Here are the key ways in which these systems contribute:

#### **Route Optimization**

- Dynamic Route Adjustments: IoT systems enable real-time data collection and analysis, allowing for dynamic route optimization. This reduces unnecessary travel distances and idle times, leading to lower fuel consumption and carbon emissions 1 2 3.
- Predictive Analytics: By integrating IoT with AI, logistics operations can predict and avoid
  potential delays, further optimizing routes and reducing idle times 4 5.

#### Blockchain and Smart Contracts in Logistics Rising Theme

The application of blockchain technology and smart contracts in logistics is gaining traction, offering new opportunities for enhancing transparency, security, and efficiency in supply chain management. This theme explores the potential of these technologies to revolutionize logistics operations and support sustainable practices.

#### Show references

#### Potential Hypotheses:

- Blockchain technology can significantly improve the traceability and accountability of logistics
  operations
- Smart contracts streamline logistics processes and reduce administrative overhead, leading to more sustainable practices

#### IoT-Enabled Real-Time Monitoring in Logistics Novel Theme

The novel application of IoT-enabled real-time monitoring systems in logistics presents a unique opportunity to enhance the efficiency and sustainability of supply chain operations. This theme focuses on the use of smart sensors and digital twin frameworks to optimize cargo shipment management and improve overall logistics performance.

#### Show references

物聯網的即時監控系統、透過優化路線及減少閒置時間、顯著降低物流作業對環境的影響。

### Potential Hypotheses:

- IoT-enabled real-time monitoring systems significantly reduce the environmental impact of logistics operations by optimizing routes and reducing idle times
- The integration of digital twin frameworks in logistics enhances predictive maintenance and operational efficiency

## 從文章頁面了解研究主題 及熱門程度

## Internet of things and supply chain management: a literature review

<u>International Journal of Production Research</u> • 評論 • 2019 •

DOI: 10.1080/00207543.2017.1402140

Ben-Daya, Mohamed <sup>a</sup> ⋈; Hassini, Elkafi <sup>b</sup>; Bahroun, Zied <sup>a</sup>

<sup>a</sup> Industrial Engineering Department, American University of Sharjah, Sharjah, United Arab Emirates

#### 顯示所有資訊

1,001 99th percentile 篇引文 △

16.43

領域權重引用影響指數 (FWCI) ①

### Prominence percentile (全球熱門指標)

衡量特定研究主題在全球學術界受關注程度的指標。此百分位數基於該主題發表論文引用次數·Scopus 瀏覽次數及期刊平均 CiteScore 指數進行綜合評估。數值越高表示該主題在學術界的活躍度,代表該領域的研究動能和關注度較高,有助於研究者判斷哪些主題具備較高的發展潛力和學術價值。

## ELSEVIER

### Scopus 指標

Scopus track five key areas—usage, captures, mentions, social media, and citations—offering a broader view of research impact beyond traditional citations.

引用次數

1,001 (第99個百分位數)

領域權重引用影響指數

16.43

#### 查看引文概覽 >

### 永續發展目標

聯合國制定的一套 17 項全球目標,旨在解決社會、經濟,和環境挑戰,以推動永續的未來。 了解詳情.



目標 9: 工業、創新和基礎建設

### SciVal 主題

主題是獨特的研究領域,涵蓋自 1996 年起的所有 Scopus 出版物。 <u>了解更多。</u>

Topic name

Integration of Cyber Physical Systems in Industry 4.0 7

Prominence percentile

99.971

## 篩選發表期刊,您最 重視什麼?

請將最符合您答案的數字打在聊天室中!

1

期刊範圍 與讀者群 2

聲譽與影響力

3

資料庫收錄情況 與能見度

4

同儕評審方式

5

開放取用與訂閱制

6

接受率與競爭程度

## 評估期刊:選擇前該問自己的幾個關鍵問題!

- 1. 合不合適: Is the manuscript the **right fit** for the journal?
- 2. 補助/組織單位要求: Are there any funder/institution mandates to consider?
- 3. 閱讀群眾: Is the journal visible in the **communities** you want to reach?
- 接受率: Is there a reasonable chance of acceptance?
- 5. 收錄的資料庫: Is the journal **indexed** in all the relevant databases?
- 6. 期刊指標: What do the journal metrics reveal?
- 7. 期刊聲望: Is the journal **reputable**, including practicing robust peer review?



## 研究主題鎖定! 那我要發表在哪個期刊呢?

若為剛起步的研究學者,可以使用 Scopus AI 了解研究領域主要期刊的主要收錄內容(Focus Areas) 及其影響力(Significance)

#### 有哪些期刊著重發表海運科技相關研究主題?

Show Copilot steps 🗸

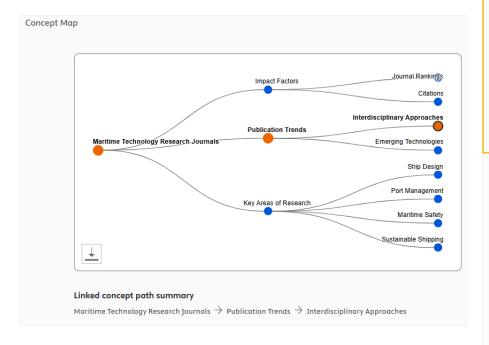
#### Summary

To identify journals that focus on publishing research related to maritime technology, several key sources can be highlighted based on the provided abstracts:

#### Key Journals in Maritime Technology Research

- 1. Maritime Policy & Management (MPM)
- Focus Areas: Shipping, port management, service, performance, efficiency, competitiveness, shipping market, industry, freight rate, economic impact, terminal studies, short sea shipping (SSS), and maritime digitalization 1 2 3 4.
- Significance: Recognized as a flagship journal in the field, MPM has been a prominent outlet for maritime research since its inception in 1973 and is included in the SSCI list 3.
- 2. International Journal of Maritime History (IJMH)
- Focus Areas: Maritime history, including historical analyses and other types of scholarship related to maritime affairs s
   6.
- Significance: Leading journal in maritime history, providing substantial heterogeneity among authors and topics
- 3. Ocean Engineering
- o Focus Areas: Maritime digitalization, including IoT, Blockchain, AI, and Neural Networks 4.

## 了解發表趨勢及跨領域研究

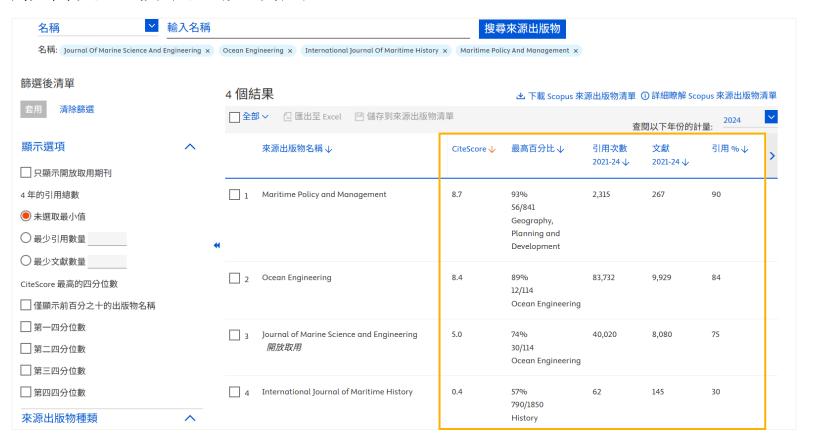


Based on the query about publication trends and interdisciplinary approaches in maritime technology research journals, the abstracts provide relevant insights:

- Maritime technology research journals show a growing focus on interdisciplinary approaches,
  particularly in the areas of digitalization, sustainability, and human resources development 1
   3 4 5.
- Interdisciplinary research in maritime technology encompasses fields such as digitalization, sustainability, human resources development, and maritime emergencies 1 2 3 4 5.
- Key interdisciplinary themes in maritime technology research include digitalization technology, sustainability, management, safety and security, and human resources development 2 3 4 5.
- The literature emphasizes the need for advanced text analytics tools and interdisciplinary research to address obstacles in the maritime industry 1 2.
- The integration of previous research efforts highlights gaps and the dynamic nature of the field, emphasizing the importance of balancing technological advances with safety and sustainability 1.
- The maritime industry's success is largely dependent on the development of its human resources, and future research should explore the impact of technology on human resources development practices s.

However, none of the abstracts specifically address publication trends in maritime technology research journals. Therefore, while the abstracts provide valuable insights into interdisciplinary approaches in maritime technology research, they do not directly address publication trends in these journals.

## 了解期刊影響力,發表量及引用%



## Scopus 期刊指標

### CiteScore

「四年期刊影響力指標」依單一期刊之當年度及過去三年的文章於當年度及過去三年的總引用次數除以當年度及過去三年的總發表篇數。 CiteScore Percentile 提供期刊所屬學科領域排名及百分比、 CiteScore Tracker 提供每月的期刊影響力指標追蹤、幫助研究者了解該期刊目前被引用的情形。



# Source Normalized Impact per Paper-SNIP

「期刊標準化影響指標」考量不同學科領域的引用情形,將其引用次數予以標準化,將原本的期刊引用指數原始值透過其所屬學科領域的引用平均值予以換算,將高引用的期刊值縮小,低引用期刊的數值放大,以利跨領域的計算。 SNIP 主要提供研究者直接比較不同學科領域的期刊。



## Scientific Journal Ranking-SJR

「期刊聲望指標」其核心概念來自 Google 的 PageRank 演算法·旨在衡量期刊目前的「文章平均聲望」。 SJR 藉由學術期刊的被引用次數與引用來源的重要性 來衡量期刊的影響力·因此被聲望高的期刊所引用· 對聲望的提升應較被一般期刊引用來得顯著·這樣的 演算方式突破傳統期刊指標單純計算引用次數而無法 反映個別引用價值的缺點。



## Publications in Top Journal Percentiles

「發表高影響力期刊」‧將全球發表在Scopus的期刊依照期刊影響指標(CiteScore, SNIP或 SJR)進行排序‧並劃分成 100 個百分位數‧百分位數越高表示期刊影響力越高‧進而找出被收錄在高影響力期刊的文章數量。系統預設值為全球前 10% 的期刊‧亦可分析全球前 1%、5% 及 25% 的期刊。

## 期刊檔案



Q 搜尋 來源出版物 SciVal >



## 來源出版物詳情

回饋 > 比較來源出版物 >

### Maritime Policy and Management

Scopus 涵蓋年度: 從 1976 到 2025

發表者: Taylor & Francis 國際標準期刊號: 0308-8839

學科類別: (Social Sciences: Geography, Planning and Development) Engineering: Ocean Engineering

> Environmental Science: Management, Monitoring, Policy and Law Social Sciences: Transportation

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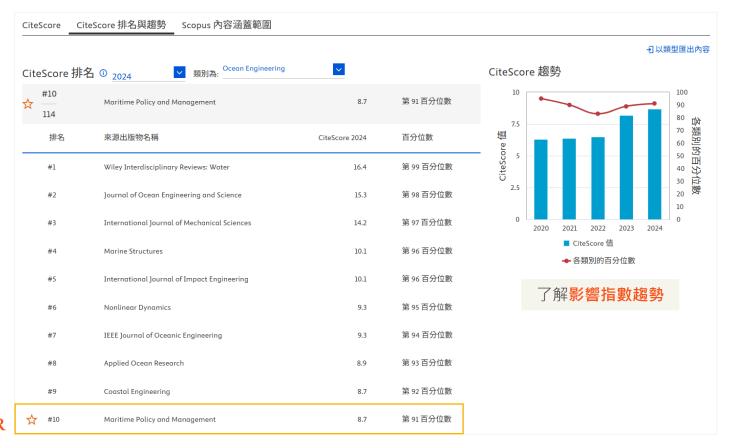
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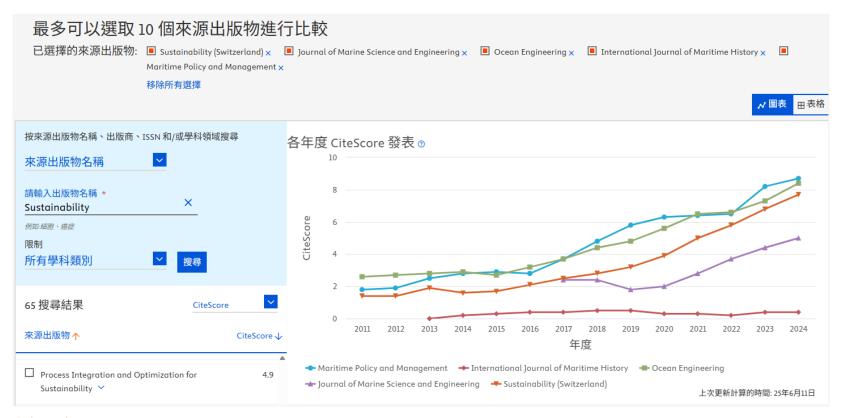
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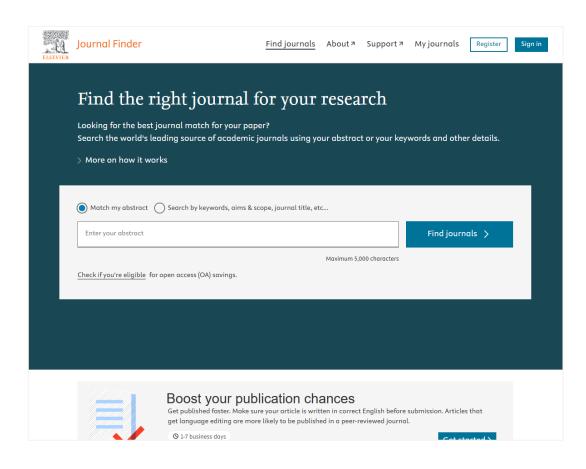


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