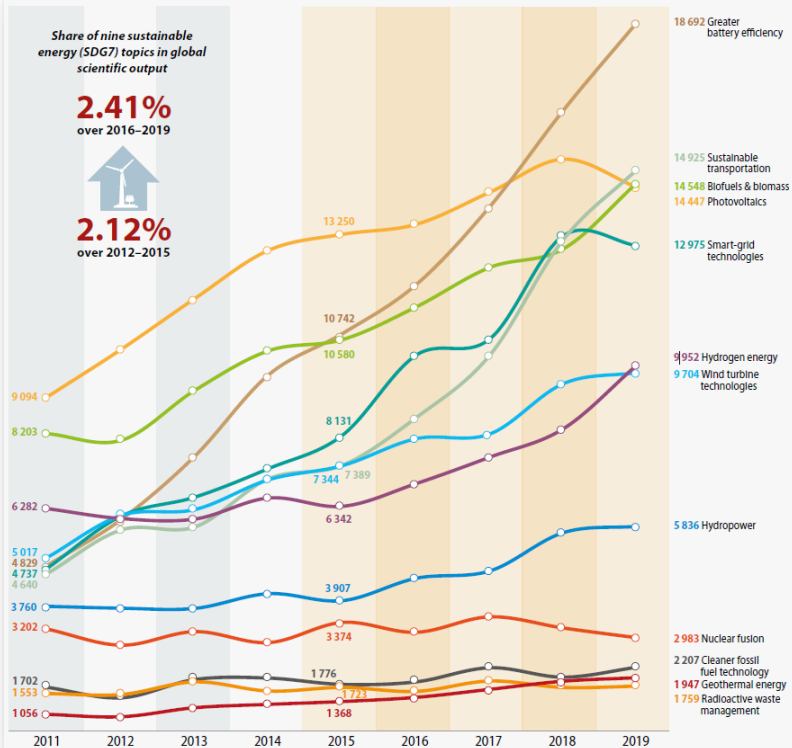




# Scopus AI

# 全球科技竞争加剧，科研效率重要性增强

Global publications on selected energy and innovation topics, 2011–2019



联合国教科文组织科学报告：  
争分夺秒，实现更智能的发展

# 不可逆转的趋势已经到来

中国青年报：

面向全国高校学生发起关于AI工具使用的  
问卷调查显示：

84.88%受访者曾使用过AI工具。

其中16.30%受访者经常使用AI工具，

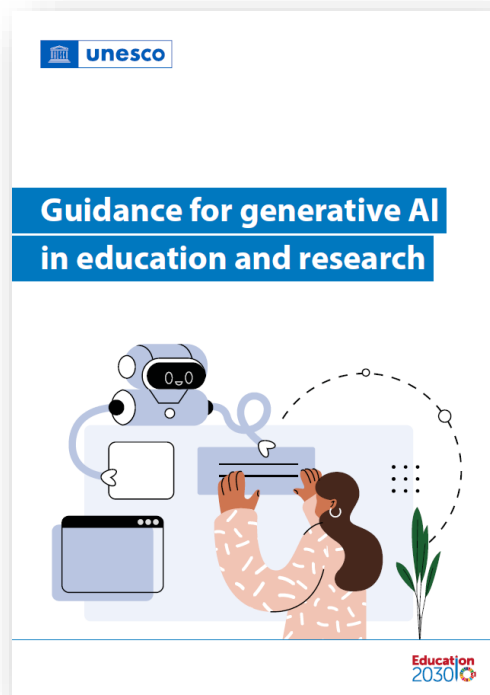
57.49%受访者偶尔使用。

渗透速率惊人！



# 围绕生成式AI的争论

- 加剧数字贫困
- 超越国家监管适应
- 未经同意使用内容
- AI生成的内容造成信源不准确
- 缺乏对现实世界的了解
- 产生深度贗品



联合国教科文组织  
《生成式人工智能在教育和研究中的应用指南》

# Scopus AI-基于可信数据



Scopus

检索 来源出版物 SciVal 帮助 通知 菜单

## 开始浏览

一站式发掘最可靠、最相关的最新研究。

文献 作者 研究人员发现 Organizations Scopus AI **Beta**

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What would you like to learn more about?



Crafting your queries:

Focus your queries on a research area or topic. Asking about people or institutions isn't supported yet.

Experiment with different query formats: hypotheticals, comparisons, statements, questions or combinations.

Provide clear context and background information.

Search examples:

↳ How does the diversity of personalities within a team impact the level of creativity exhibited by the team?

↳ How does seismology inform civil engineering designs?

↳ What are the different types of immunotherapy treatments being used for cancer?

- 受信任的内容
- 数据的使用许可
- 减少数据垃圾
- 与文献计量指标结合

# Scopus AI Demo



Scopus

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What would you like to learn more about?



# 基于Scopus AI的检索方式

## 1.设计一个想要了解的科学问题

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What would you like to learn more about?

What are the specific mechanisms by which traditional Chinese herbal medicine treats chronic heart failure?

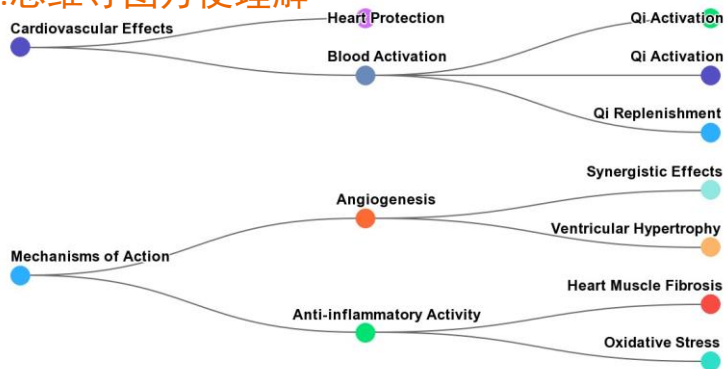
中草药治疗慢性心力衰竭的机制是什么?

What are the specific mechanisms by which traditional Chinese herbal medicine treats chronic heart failure?

## 2.得到科学问题的初步总结

Traditional Chinese herbal medicine treats chronic heart failure through specific mechanisms that target the underlying causes of the condition. Several studies have explored the efficacy and mechanisms of action of Chinese herbs in treating heart failure. [1](#) [2](#) [3](#) The major causes of heart failure according to

## 3.思维导图方便理解



## 4.扩展总结

Expanded summary

Traditional Chinese herbal medicine has shown potential in treating chronic heart failure through various mechanisms. Here are the key findings from the relevant literature:

1. **Active compounds:** Chinese medicinal herbs contain diverse compounds that have been found to treat CHF through multiple molecular mechanisms. Astragalus Radix, Ginseng Radix et Rhizoma, and Notoginseng Radix et Rhizoma. These herbs, along with compound formulations like Qiangxin capsules, play a significant role in the prevention and treatment of CHF.

2. **Effects on the cardiovascular system:** Traditional Chinese medicine (TCM) improves the cardiovascular system in the treatment of CHF by improving energy metabolism, and reducing oxidative stress and inflammation. Effects include cardiac hypertrophy, antifibrotic, anti-inflammatory, antioxidant, and pro-inflammatory cytokines.

3. **Anti-inflammatory and antioxidant effects:** Traditional Chinese medicine (TCM) has anti-inflammatory effects in the treatment of CHF. It can suppress inflammation and inhibit inflammatory responses in patients or experimental models. Additionally, it has antioxidant effects that help mitigate oxidative stress and improve calcium cycling.

In conclusion, traditional Chinese herbal medicine treats chronic heart failure through various mechanisms, including the action of active compounds, effects on the cardiovascular system, anti-inflammatory effects, and antioxidant effects. These findings provide a theoretical basis for the clinical application of TCM in the treatment of CHF.

## 5.参考文献-查找全文

Summary references

Reference 1 • 69 citations

A review of chinese herbal medicine for the treatment of chronic heart failure

Wang, Y. [1](#), Wang, Q. [2](#), Li, C. [3](#), (...), Wang, W. [4](#) *Current Pharmaceutical Design* [2017](#)

[Show abstract](#)

Reference 2 • 0 citations

Role and Mechanism of Chinese Medicinal Materials and Their Compound Formulas with Effects of Replenishing Qi, Activating Blood, and Dispelling Stasis in Prevention and Treatment of Heart Failure

Chen, J. [1](#), Miu, X. [2](#), Ding, M. [3](#), (...), He, X. [4](#) *Chinese Journal of Experimental Traditional Medical Formulae* [2022](#)

[Show abstract](#)

Reference 3 • 6 citations

The traditional Chinese medicines treat chronic heart failure and their main bioactive constituents and mechanisms

## 6.扩展问题, 或者提问下一个问题

What are the specific herbal compounds in traditional Chinese medicine that have shown potential in treating chronic heart failure?

How does traditional Chinese herbal medicine affect the cardiovascular system to improve symptoms of chronic heart failure?

Are there any clinical studies or trials that have investigated the efficacy of traditional Chinese herbal medicine in the treatment of chronic heart failure?



ELSEVIER

# Scopus AI对文献检索方式的变革

- 传统的检索方式：
  - 通过关键词构建检索式
  - 看Review，再看Article
  - 看高被引论文
  - 看最新文献
  - 查找全文
- 基于生成式AI的检索方式：
  - 设计一个想要了解的科学问题
  - 得到科学问题的答案
  - 思维导图方便理解
  - 扩展答案
  - 参考文献-查找全文
  - 扩展问题，或者下一个问题



# Scopus收录范围

期刊数量 (按学科分布)

自然科学  
14,558

医学  
15,167

社会科学  
14,553

生命科学  
7,818

## 期刊

**28,153** 活跃的同行评议期刊  
**6,618** 金色OA期刊(DOAJ/ROAD)  
**20.7M** 基金信息  
**1.91 M** 预印本记录  
**23.27M** 开放获取文献

## 会议录

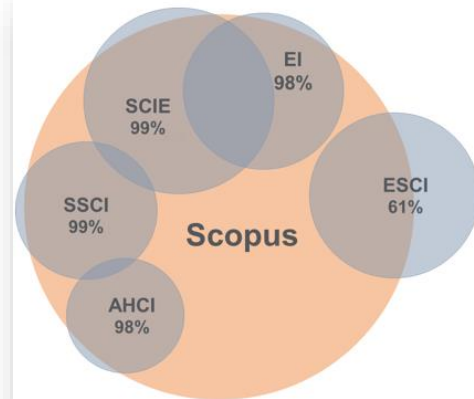
**152 K** 会议录  
**11.9M** 会议文献  
特别覆盖工程、计算机等领域

## 图书

**74.3K** 系列丛书  
**327K** 独立图书  
**2.84M** 图书记录  
集中在社会科学与人文艺术

## 专利

**50.1M** 专利记录  
五大专利组织:  
• WIPO  
• EPO  
• USPTO  
• JPO  
• UK IPO

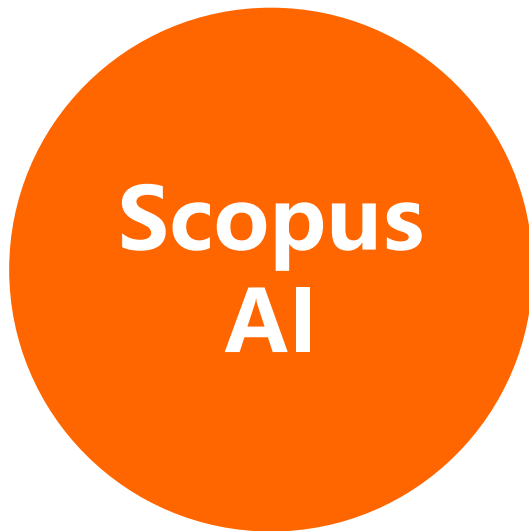


- 全球最大的同行评议摘要&引文数据库
- 全学科、全回溯、不分库
- 多维指标：政策、专利、临床引用，SDG分类，研究主题等

# Scopus AI对于科技查新过程的颠覆

## 科技查新面临的挑战

- 每个查新课题都需要专业知识辅助进行判断，超出查新工作者的知识范围
- 需要通过检索式精准定义科学问题
- 查找和阅读相关文献需要大量的时间
- 短时间内难以形成课题相关的知识脉络，故对于创新性较难评价



## 全新方式

- Scopus AI能够在任意的研究领域生成高质量答案
- 模糊提问的情形下，Scopus AI仍然能够定位到想要提问的科学问题
- 在不阅读文献的情况下即可了解某个研究领域的科研进展
- Scopus AI输出的答案是具有脉络性的，有利于对研究的创新性进行评价
- 不生成不知道的答案

# Scopus AI辅助文献调研（基金、课题申请）

项目基本信息	科学问题属性	单位信息	人员信息	资金预算表	正
*项目名称:	2023年测试——面上项目				
*英文名称:					
*申请代码1:	<input type="text"/>				申请
附注说明:	<input type="text"/>				
*开始日期:	2024-01-01	*结			
*中文摘要: (建议400字以内, 含标点符号)	<input type="text"/>				
*英文摘要: (建议4000字符以内, 含标点符号)	<input type="text"/>				
*中文关键词:	<input type="text"/>				
*英文关键词:	<input type="text"/>				
中/英文关键词顺序请保持一致					

## 科学问题属性

- **“鼓励探索, 突出原创”:** 科学问题源于科研人员的灵感和新思想, 且具有鲜明的首创性特征, 旨在通过自由探索产出从无到有的原创性成果。
- **“聚焦前沿, 独辟蹊径”:** 科学问题源于世界科技前沿的热点、难点和新兴领域, 且具有鲜明的引领性或开创性特征, 旨在通过独辟蹊径取得开拓性成果, 引领或拓展科学前沿。
- **“需求牵引, 突破瓶颈”:** 科学问题源于国家重大需求和经济主战场, 且具有鲜明的需求导向、问题导向和目标导向特征, 旨在通过解决技术瓶颈背后的核心科学问题, 促使基础研究成果走向应用。
- **“共性导向, 交叉融通”:** 科学问题源于多学科领域交叉的共性难题, 具有鲜明的学科交叉特征, 旨在通过交叉研究产出重大科学突破, 促进分科知识融通发展为知识体系。

请阐明选择该科学问题属性的理由 (800字以内):



## Scopus

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How it works

What would you like to learn more about?



# Scopus AI助力凝练科研方向



## 基础问题 (对科学问题的概览)

- What is the frontier research of quantum computing?
- What are the challenges facing quantum computing?
- .....



## 延伸问题 (追踪细节)

- What algorithms are used in quantum computing?
- Tell me something about quantum hardware
- What are the different types of fault tolerance techniques used in quantum computing
- .....



## 对策问题 (汇总结论)

- List some promising algorithms of quantum computing
- What is the promising research on fault tolerance techniques?
- .....



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What would you like to learn more about?  
量子计算机的前沿研究是什么

↳ 量子计算机的前沿研究是什么

The frontier research in quantum computing focuses on several key areas . 1 2 Here are some key points to consider:

1. **Quantum algorithms:** Researchers are exploring new algorithms that can take advantage of the unique properties of quantum systems, such as superposition and entanglement, to solve complex problems more efficiently . 1
2. **Quantum hardware:** Developing and improving the hardware components of quantum computers, such as qubits and quantum gates, is a crucial area of research . 1
3. **Error correction and fault tolerance:** Due to the inherent fragility of quantum systems, error correction techniques and fault-tolerant designs are being investigated to ensure the reliability and scalability of quantum computers . 2

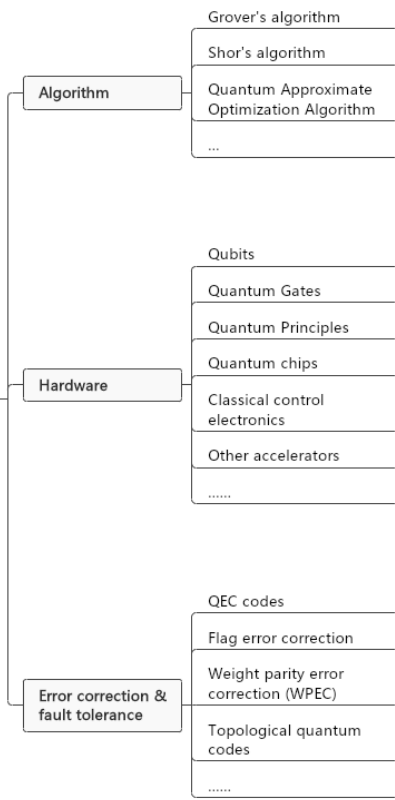
Overall, the frontier research in quantum computing encompasses the development of quantum algorithms, hardware improvements, and error correction techniques to advance the capabilities and practicality of quantum computers . 1 2

Show 2 references

```
graph LR; QC[Quantum Computing] --- QS[Quantum Supremacy]; QC --- QEC[Quantum Error Correction]; QC --- QG[Quantum Gates]; QC --- QA[Quantum Algorithms]; QC --- QB[Quantum Bits (Qubits)]; QG --- CG[CNOT Gate]; QG --- HG[Hadamard Gate]; QA --- GA[Grover's Algorithm]; QA --- SA[Shor's Algorithm]; QB --- E[Entanglement]; QB --- S[Superposition]
```



Quantum computing



设计一系列科学问题

快速获取科研资讯

凝练科研方向