

# scite\_

## 基于引文分类的智能引文索引

Scite.ai于2018年成立，是一家位于美国布鲁克林的科技创新公司。Scite.ai致力于协助科研人员发现被验证过的研究论文及领域内的顶级专家。此外，Scite还为企业决策者验证研究规划，分析竞争对手，并精准地识别出战略性的合作伙伴和关键行业意见领袖。Scite.ai是第一个通过对海量引文的全文进行数据挖掘，提取施引文献的引文上下文施引目的引文索引。通过Scite.ai，研究人员可以显著大幅减少文献阅读的时间，确保他们的研究以及研发工作不会因建立在有争议或遭拒的研究的基础上而面临损失。



## 利用深度学习技术提取引文上下文并进行分类



Supporting

支持

Mentioning

提及

Contrasting

不支持

### 智能引文

supporting   
Confidence: 93%

"...pDox@adipocytes showed enhanced cytotoxicity compared with Dox@adipocytes, and this effect was significantly reduced by BMS309403 that inhibits FABP4 (IFABP4) ( Figure 2J). In accordance with a previous report, 26 Dox inhibited lipid accumulation in adipocytes (Figures 2K, S17A, and S17B). In addition, pDox could be efficiently encapsulated into adipocytes ( Figure 2L) and accumulated in the lipid droplets ( Figure 2M)."

Adipocytes as Anticancer Drug Delivery Depot Wen, et al. 2019 [Matter](#) Section: RA@adipocytes  
Loaded with Dox Prodrug Promoted Tumor Cell Death

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# scite\_ 使用场景

在学术研究和知识探索中，引用（Citation）是构建知识体系和学术诚信的重要环节。Scite是一个引文分析工具，它通过分析学术论文中的引用情况，帮助研究人员和读者理解引用的上下文和意义。以下是结合不同应用场景说明Scite引文重要性的几个例子：

- ❖ 研究人员在撰写论文时，需要引用先前的研究作为自己研究的基石。Scite可以帮助他们找到相关领域的权威文献，并通过分析引用的上下文，了解这些文献是如何被其他研究者使用的。**学术研究**
- ❖ 在准备文献综述时，Scite可以展示特定主题或理论的引用趋势，帮助研究人员快速把握该领域的研究动态和主流观点。**文献综述**
- ❖ Scite可以揭示论文的影响力，通过分析引用的正面或负面评价，帮助学术机构和研究人员评估论文的学术价值。**学术评价**
- ❖ Scite的分析可以帮助研究人员发现被低估或未被充分探索的研究领域，促进知识的创新和拓展。**知识发现**
- ❖ 在教育领域，Scite可以作为教学工具，帮助学生理解如何正确引用文献，以及如何通过引用来构建有说服力的论证。**教育**
- ❖ 出版社和期刊编辑可以使用Scite来评估提交论文的引用质量，作为决定是否接受论文的一个参考。**出版决策**
- ❖ 政策制定者可以利用Scite分析特定政策或研究领域的引用情况，以了解其在学术界的影响力和接受度。**政策制定**
- ❖ 企业研发部门可以通过Scite分析技术领域的引用模式，来指导新产品的研发方向或专利策略。**专利和创新**
- ❖ Scite可以帮助研究人员发现不同学科间的联系，促进跨学科的合作和知识融合。**跨学科研究**
- ❖ Scite支持对开放获取文献的引用分析，促进学术交流的透明度和开放性。**开放获取和学术交流**

Search citation statements

Context, author(s), titl...

Order By: Relevance

Paper Sections

Select...

- Discussion 106
- Introduction 98
- Methods 15
- Results 9

Citation Types

- Supporting  29
- Mentioning  321
- Contrasting  6
- Unclassified  6

Year Published



Publication Types

Select...

- Article 398
- Research Support, Non-U.S. Gov't 167
- Research Support, N.I.H., Extramural 87
- Review 58

Relationship

- Self Cite 10
- Independent 451

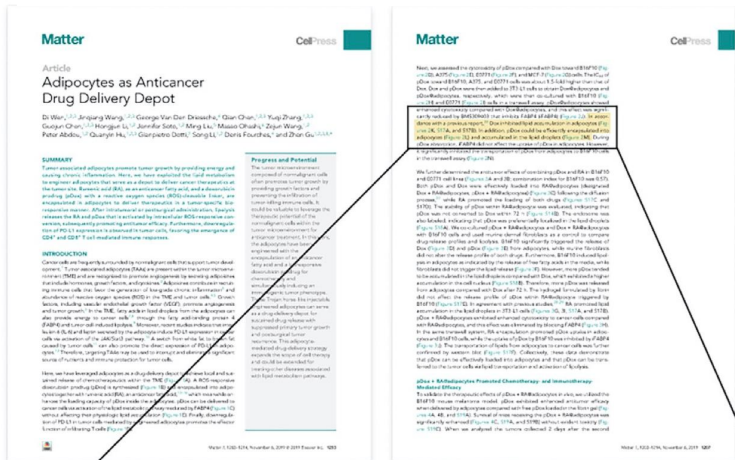
Authors

Journals

目前的引文索引依然局限于展示科学论文之间的关联性，而未能提供如引用动机等深入的背景信息。由于缺乏此类背景资料，除论文标题、作者及发表日期外有限的元数据，当前的引文分析仅限于统计作品的被引用次数，而无法全面探讨作品被引用的具体情境和方式。现实中有很多被引量高、质量低的文章。例如，1998年《柳叶刀》上Wakefield文章 Ileal-Lymphoid-nodular hyperlasia, non-specific colitis, and pervasive development disorder in Children (已撤稿，被引量超3000，但大多数是批判性引用)。

Scite.ai通过与全球出版社合作，同时利用OA资源，获得跨学科的学术文章，并对学术文章全文进行数据挖掘建立 Scite独有的Citation Statement数据库，并对其进行标引分类，帮助师生，研发人员，编辑等获取相关学术出版物的信息，快速了解领域内的学术讨论信息，更客观地评价研究质量。

## 施引文献

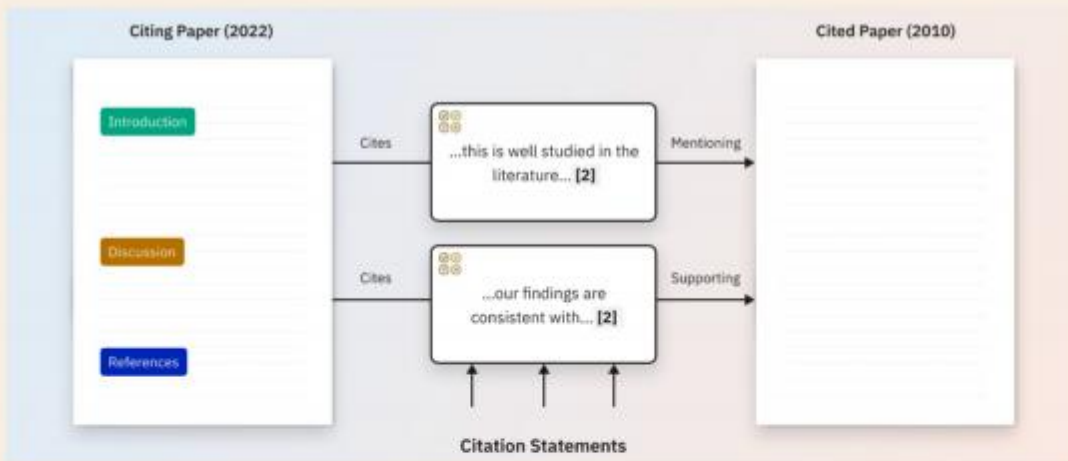


## 识别文中引文并提取相关文本

"...pDox@adipocytes showed enhanced cytotoxicity compared with Dox@adipocytes, and this effect was significantly reduced by BMS309403 that inhibits FABP4 (iFABP4) ( Figure 2J). In accordance with a previous report, 26 Dox inhibited lipid accumulation in adipocytes (Figures 2K, S17A, and S17B). In addition, pDox could be efficiently encapsulated into adipocytes ( Figure 2L) and accumulated in the lipid droplets ( Figure 2M)...."

Adipocytes as Anticancer Drug Delivery Depot Wen, et al. 2019 Matter Section: RA@adipocytes Loaded with Dox Prodrug Promoted Tumor Cell Death

# scite\_ 智能索引



一站式检索阅读

收录超过19亿文献

对超过来自全文的13  
亿引文上下文标记、索引、分类



研究者之超能力，源于研究者之手

## scite\_ 智能AI助手

可控的人工智能助力学术科学研究

Scite AI助手基于最强大的大模型技术，将机器深度学习的强大功能用于用户的研究工作流程。

Scite AI的设置让用户掌控一切，用户可以以多种方式引导Scite AI助手完成正确的任务。

assistant by scite\_

How does the structure of a protein affect its function?

Proteins are essential for the proper functioning of living organisms, and their structure plays a crucial role in their function. The structure of a protein is determined by its amino acid sequence, which in turn affects its folding and stability [6]. The interactions between charged amino acids significantly influence the structure and function of proteins [1]. The number of hydrophobic methylenes linking the backbone to the charged functionality of amino acids affects protein structure stability [1]. Protein secondary structures, such as  $\beta$ -sheet structures, are the fundamental three-dimensional building blocks of protein structures [1]. Intrinsically disordered proteins (IDPs) are a family of proteins that fail to form rigid 3-D structures under physiological conditions, either along their entire lengths or only in localized regions [2]. IDPs exist as dynamic ensembles within which atom positions and backbone Ramachandran angles exhibit extreme temporal fluctuations without specific equilibrium values [2].

What do you need help with?

References

Reference #1  
Longer charged amino acids favor  $\beta$ -strand formation in hairpin peptides  
Jingyuan Chang<sup>1</sup>, Jing-Yuan Chang<sup>2</sup>, Nian-Zhi Li<sup>3</sup> et al. 2021J Pep Sci

Interactions between charged amino acids significantly influence the structure and function of proteins. The encoded charged amino acids Asp, Glu, Arg, and Lys have different number of hydrophobic methylenes linking the backbone to the charged functionality...

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Reference #2  
Understanding protein non-folding  
Vladimir N. Uversky<sup>1</sup>, A. Keith Dunker<sup>2</sup> 2010  
*Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics*

1017 24 1112 0

This review describes the family of intrinsically disordered proteins, members of which fail to form rigid 3-D structures under physiological conditions, either along their entire lengths or only in localized regions...

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## 浏览和编辑AI的检索策略与参考文献选择过程

### 对话中的提问清单

### 您输入的问题

### 导出 Scite AI 参考的文献列表

### Scite Assistant 的回复

### 继续提问

参考文献，附带来自摘要/全文的片段，用于支撑回答中设计的观点，供读者审核确认

The screenshot displays the Scite Assistant interface. On the left, a '对话中的提问清单' (List of questions in the conversation) includes: 'How does the structure of a protein affect its function?' and 'What is a tertiary protein?'. Below this is an 'Export References' button. The main chat area shows the user's question 'How does the structure of a protein affect its function?' and the assistant's detailed response, which includes citations like 'Jones et al., 2023' and 'Rozbesky et al., 2018'. A '继续提问' (Continue asking) prompt is visible at the bottom of the chat. On the right, a search results panel shows a list of references with snippets and citation counts, such as 'The importance of a protein's structure to its function is beyond doubt...' and 'The Loss and Gain of Functional Amino Acid Residues Is a Common Mechanism Causing Human Inherited Disease'.

The screenshot shows the Scite AI search interface. At the top, there is a search bar with the text 'Search All Citation Statements Papers scite Assistant'. Below the search bar are various filters: Authors, Year, Sections, Types, Citations, Journal, Affiliation, Pub Type, Topics, Editorial Notice, and MeSH. The search results section shows '167,964,095 results (2.19 seconds)' and a 'Relevance' dropdown menu.

## scite\_ 服务

AI 助手

个性化服务

访问控制

IP/EzProxy/Email Domain

引文检索  
引文上下文检索

文献引文查验

提供实时使用统计数据

浏览器插件

可视化引文网络

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email: product@igroup.com.cn

