

ELICIT 微教學

Elicit 主頁功能介紹

The screenshot shows the Elicit homepage interface. At the top left, there are 'Notebooks' and 'Library' tabs. A green callout box points to these tabs with the text '你傳上來過的pdf的所有紀錄' (All records of PDFs you have uploaded). Below this, another green callout box explains: '把它當作你的搜尋紀錄或是 chatgpt 的交談紀錄' (Treat it as your search records or chatgpt conversation records).

The main content area features three primary action blocks, each highlighted with a red box and a green callout:

- Find papers:** A search bar with the text 'Ask a research question' and a search button. Callout: '論文搜尋區塊，可以搜尋論文的題目或是特定議題' (Paper search block, can search for paper titles or specific topics).
- Extract data from PDFs:** A button with an upload icon. Callout: '上傳論文的區塊' (Upload paper block).
- List of concepts:** A button with a list icon. Callout: '概念以及問題的搜尋區塊，可以搜尋較白話或是概念性的問題，類似一般的搜尋引擎，可以幫你找到相關問題的研究' (Concept and question search block, can search for more colloquial or conceptual questions, similar to a general search engine, can help you find research related to the questions).

At the bottom, a 'Recent' section is highlighted with a red box and a green callout box pointing to it: '以前的所有紀錄' (All previous records). This section lists several entries, each showing '1 paper uploaded' and 'Extract data from PDFs' with a timestamp.

Find paper

搜尋到的論文的資料
(論文題目, 第一作者, 出版處, citations, DOI複製)

Mamba: A Comprehensive Study

Share

🗑️

搜尋的研究方向或是題目

Summary of top 4 papers

📄 Copy

對幾篇不同論文的總結

Recent research has explored the potential of Mamba, a selective structured state space model, in various deep learning applications. Mamba offers linear-time sequence modeling and outperforms Transformers in language tasks while being computationally efficient (Gu & Dao, 2023). Its success has led to applications in computer vision, where it shows promise as a visual foundation model across image, video, and multi-modal tasks (Xu et al., 2024). In time series forecasting, Mamba has demonstrated good performance (Wu et al., 2024). For medical image segmentation, LightM-UNet integrates Mamba with UNet, achieving superior results while significantly reducing parameter and computation costs compared to existing models (Liao et al., 2024). These studies highlight Mamba's versatility and efficiency across different domains, suggesting its potential to become a powerful alternative to traditional CNN and Transformer architectures in various deep learning tasks.

篩選以及排序工具

Sort: Most relevant

Filters

Export as

UPGRADE

要增加得更多篩選項目, 可以手動輸入

摘要總結

Abstract summary

Mamba is a linear-time sequence modeling architecture that outperforms Transformers on various modalities including language.

Manage Columns

Search or create a column

Describe what kind of data you want to extract

e.g. Limitations, Survival time

ADD COLUMNS

Find paper

<input type="checkbox"/> VMamba: Visual State Space Model 🔍 Yue Liu +7 📄 arXiv.org 2024 · 203 citations DOI	VMamba is a generic vision backbone model that aims to reduce the computational complexity of Vision Transformers to linear while retaining their advantageous features.
<input type="checkbox"/> MambaDFuse: A Mamba-based Dual-phase Model for Multi-modality Image Fusion 🔍 Zhe Li +4 📄 arXiv.org 2024 · 5 citations DOI	MambaDFuse is a deep learning model for multi-modality image fusion that uses a dual-level feature extractor and dual-phase fusion module.
<input type="checkbox"/> A Survey on Visual Mamba 🔍 Hanwei Zhang +5 📄 Applied Sciences 2024 · 14 citations DOI	This paper surveys the use of Mamba, a state space model with selection mechanisms and hardware-aware architectures, in computer vision tasks.
<input type="checkbox"/> MambaStock: Selective state space model for stock prediction 🔍 Zhuangwei Shi 📄 arXiv.org 2024 · 5 citations DOI	MambaStock, a Mamba-based deep learning model, outperforms previous methods in predicting future stock prices.

[Load more](#)

Describe what kind of data you want to extract

e.g. Limitations, Survival time

ADD COLUMNS

- + Summary
- + Main findings
- + Methodology
- + Intervention
- + Outcome measured
- + Limitations

[Show more](#)

要增加得更多篩選項目，可以手動輸入，和一些預設項目

進行更多操作，下一頁介紹

[+ Add a new step](#)

0 papers selected

Find paper

<input checked="" type="checkbox"/>	Mamba: Linear-Time Sequence Modeling with Selective State Spaces Albert Gu +1 arXiv.org 2023 · 740 citations DOI	Mamba is a linear-time sequence modeling architecture that outperforms Transformers on various modalities including language.
<input type="checkbox"/>	Visual Mamba: A Survey and New Outlooks Rui Xu +5 2024 · 11 citations	This paper provides a comprehensive review of the visual Mamba approach, a recent selective structured state space model with advantages over convolutional neural networks and Transformers.
<input type="checkbox"/>	win Mamba for Time Series Forecasting Zexue Wu +2 arXiv.org 2024 · 1 citation DOI	The paper proposes a Dual Twin Mamba model for time series forecasting.
<input type="checkbox"/>	LightM-UNet: Mamba Assists in Lightweight UNet for Medical Image Segmentation Weibin Liao +5 arXiv.org 2024 · 18 citations	LightM-UNet integrates the lightweight Mamba model with UNet for efficient medical image segmentation.
<input checked="" type="checkbox"/>	VMamba: Vis Yue Liu arXiv.org 2024 · 203 citations	nal complexity of Vision
<input type="checkbox"/>	MambaDEE: A Mamba-based Dual-phase Model for Multi-modalit	... a dual-level feature extractor

- Create a new table from selected papers (2 papers)
- Summarize abstracts for selected papers (2 papers)
- Chat with papers (Beta) (2 papers)
- Ask a new question and find papers
- Extract data from uploaded papers
- Get a list of concepts

+ Add a new step 2 papers selected

勾選要使用的論文

有勾選論文之後就能針對論文使用前三項功能了，但是不確定對於論文的回答會不會有幻覺的問題

Elicit

- 很適合作為個人研究書庫的管理工具。
- 也很適合作為個人研究的 AI 問答工具。
- 整體較為簡潔，尤其在回答論文相關問題時，能減少幻覺的情況。儘管如此，實際使用效果會受到多種因素影響，因此我們建議根據個人的研究需求進行實際測試，並根據結果做進一步評估。