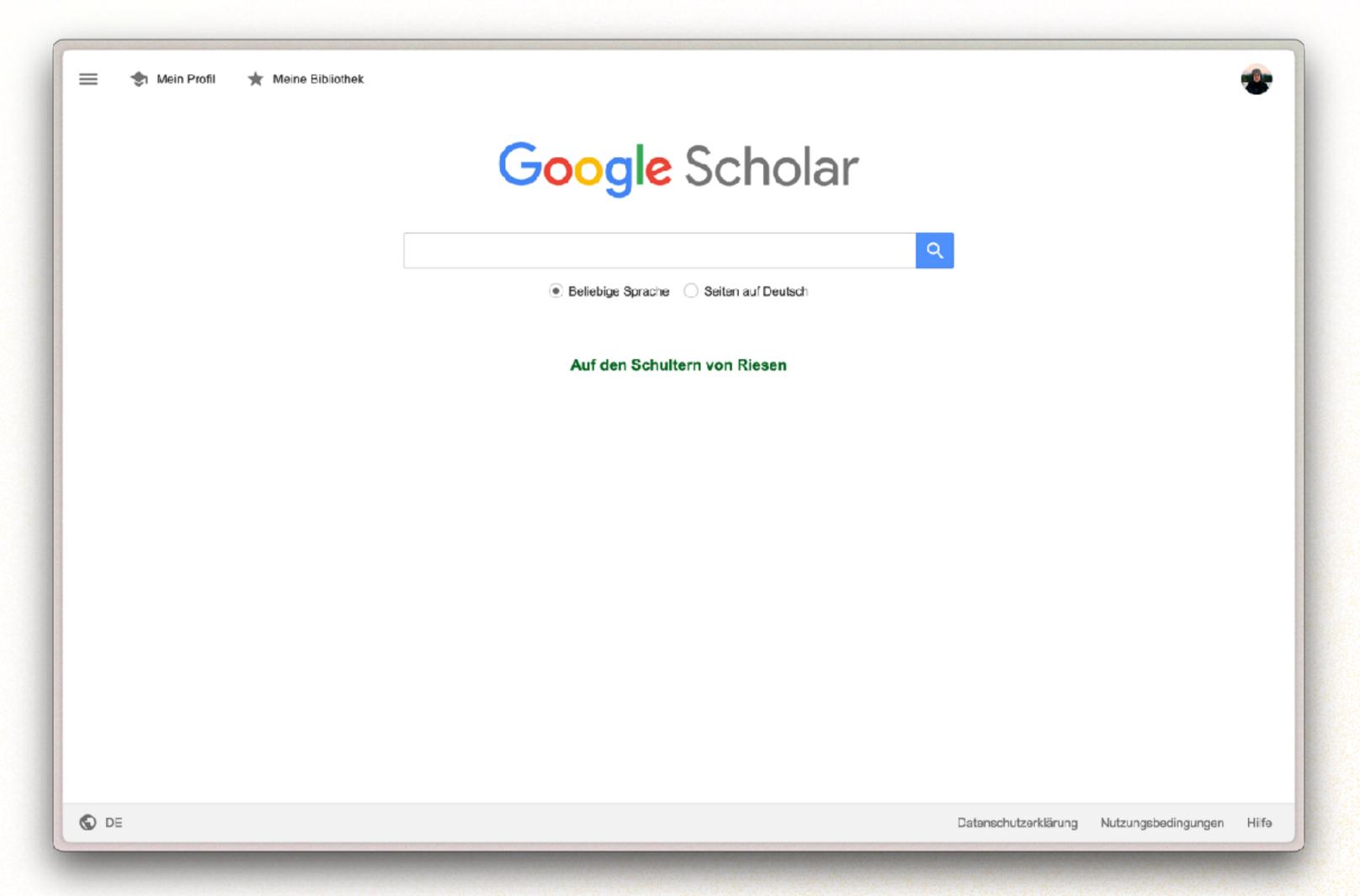
# Literature Search Tools

# Google Scholar scholar.google.com

Academic literature search engine

Filtering and citing sources



# Z-Library z-library.sk

Library with access to millions+ of books

Free access (with account)

Beware of fake sites!



# Sci-Hub sci-hub.usualwant.com

Accessing papers behind a paywall

Apparently upload of new papers on hold.

Refer also to <u>annas-archive.org</u> for searching papers.

Search for the paper best via the DOI



## Zimmerman & Forlizzi 2014. "Research Through Design in HCI."

#### Research Through Design in HCI

John Zimmerman and Jodi Forlizzi

#### Introduction

Many researchers have struggled to connect RESEARCH and DESIGN. Voices in the HCI research community coming from different disciplinary backgrounds have noted this challenge. Erik Stolterman stated that scientific research drives towards the existing and the universal, while design works in pursuit of the non-existing and in the creation of an ultimate particular (Stolterman, 2008). Design and scientific research, then, seem headed in opposite directions. Jane Fulton-Suri, reflecting on her training in social science followed by her experience working at a design consultancy, identified a gap between design with its focus on the future and social science research with its focus on the past and present. Alan Blackwell, discussing research from an engineering perspective, explained that research contributions must be novel, but not necessarily good. Design contributions, however, must be good but not necessarily novel (Blackwell, 2004). These observations reveal an uneasy tension between design and research within HCI. However, the repeated reflections and speculations on a connection hint at an underlying desire to discover a way to link these two together.

Research through Design (RtD) is an approach to conducting scholarly research that employs the methods, practices, and processes of design practice with the intention of generating new knowledge. People carrying out research using RtD generally reject the idea that research is synonymous with science. Instead, RtD frames design inquiry as a distinctly separate activity from engineering inquiry and scientific inquiry. RtD draws on design's strength as a reflective practice of continually reinterpreting and reframing a problematic situation through a process of making and critiquing artifacts that function as proposed solutions (Rittel & Webber, 1973;

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Zimmerman & Forlizzi 2014. "Research Through Design in HCI."

DOI (Digital Object Identifier)
> Unique identifier of a paper,
similar to ISBN for books

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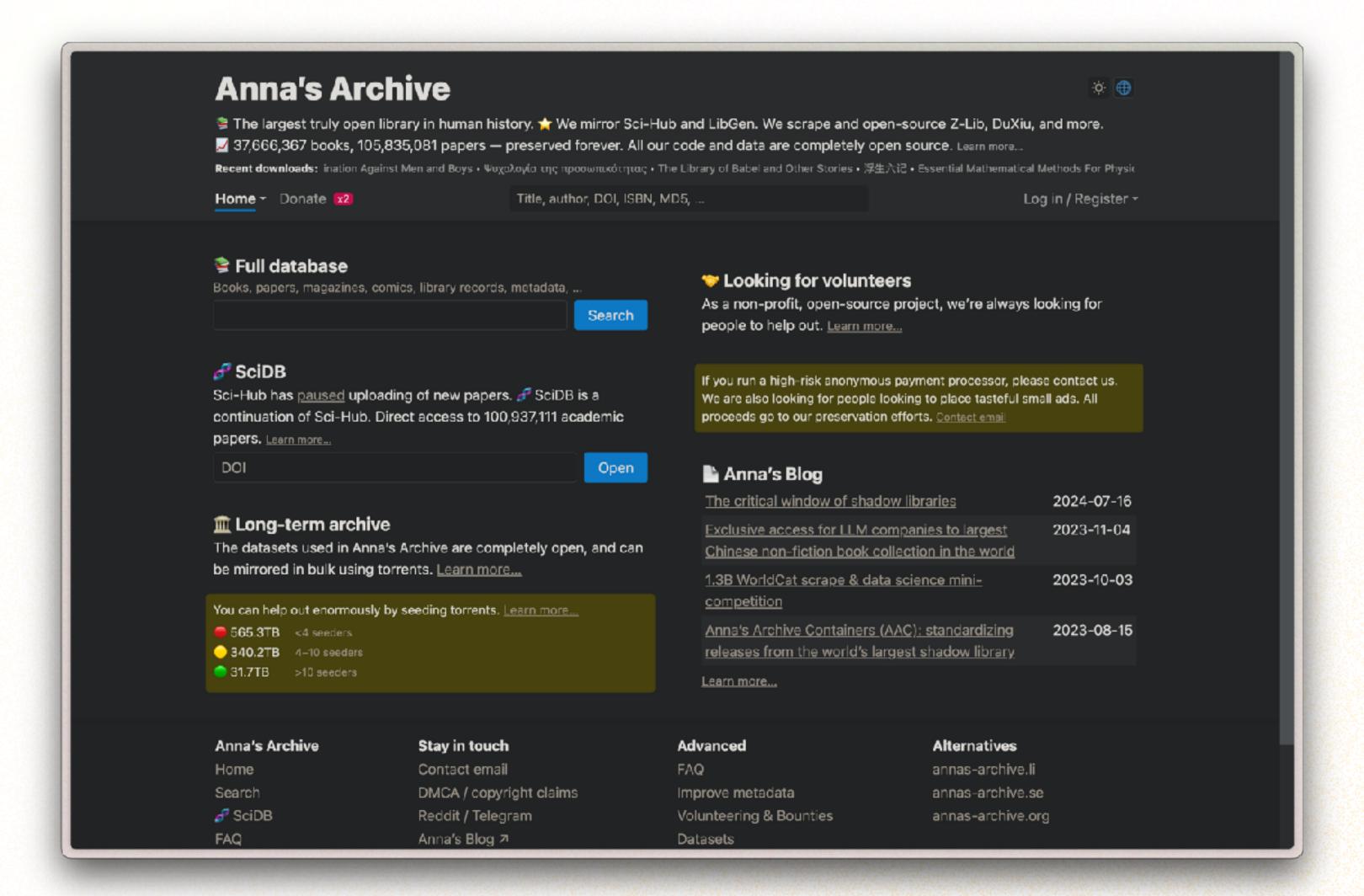
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J.S. Olson and W.A. Kellogg (eds.), *Ways* DOI 10.1007/978-1-4939-0378-8\_8, © S

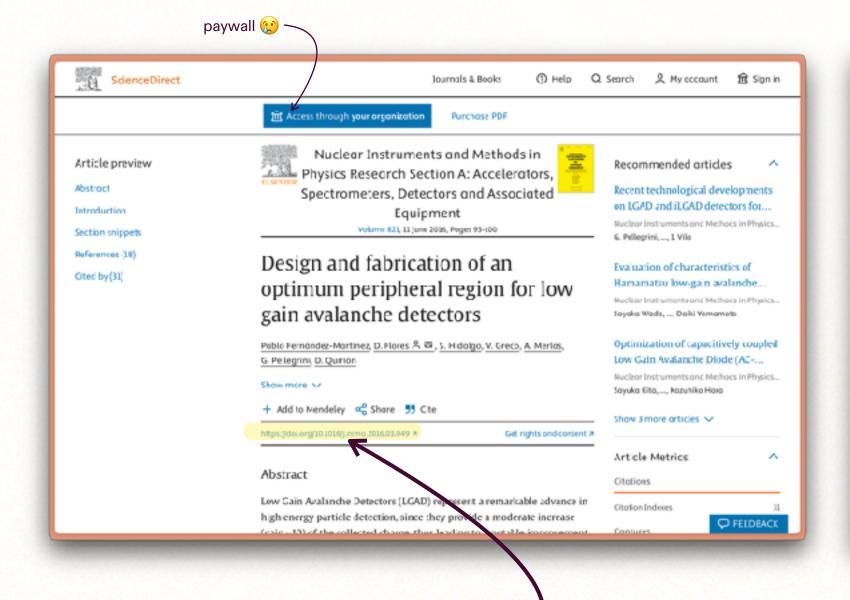
# Anna's Archive annas-archive.org

Library, scraping Sci-Hub, Z-Library, LibGen, ...

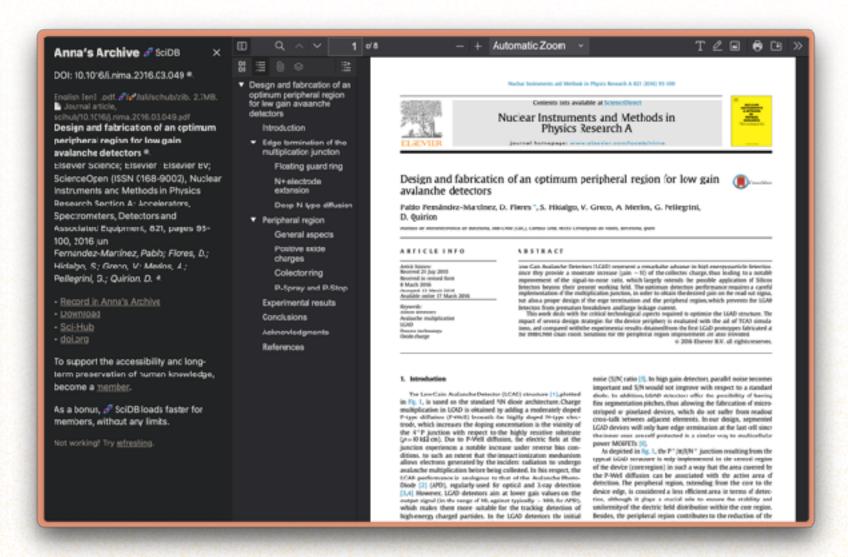
Recommended library to use



### Example







Look for the DOI -

Enter the DOI in Anna's Archive > SciDB

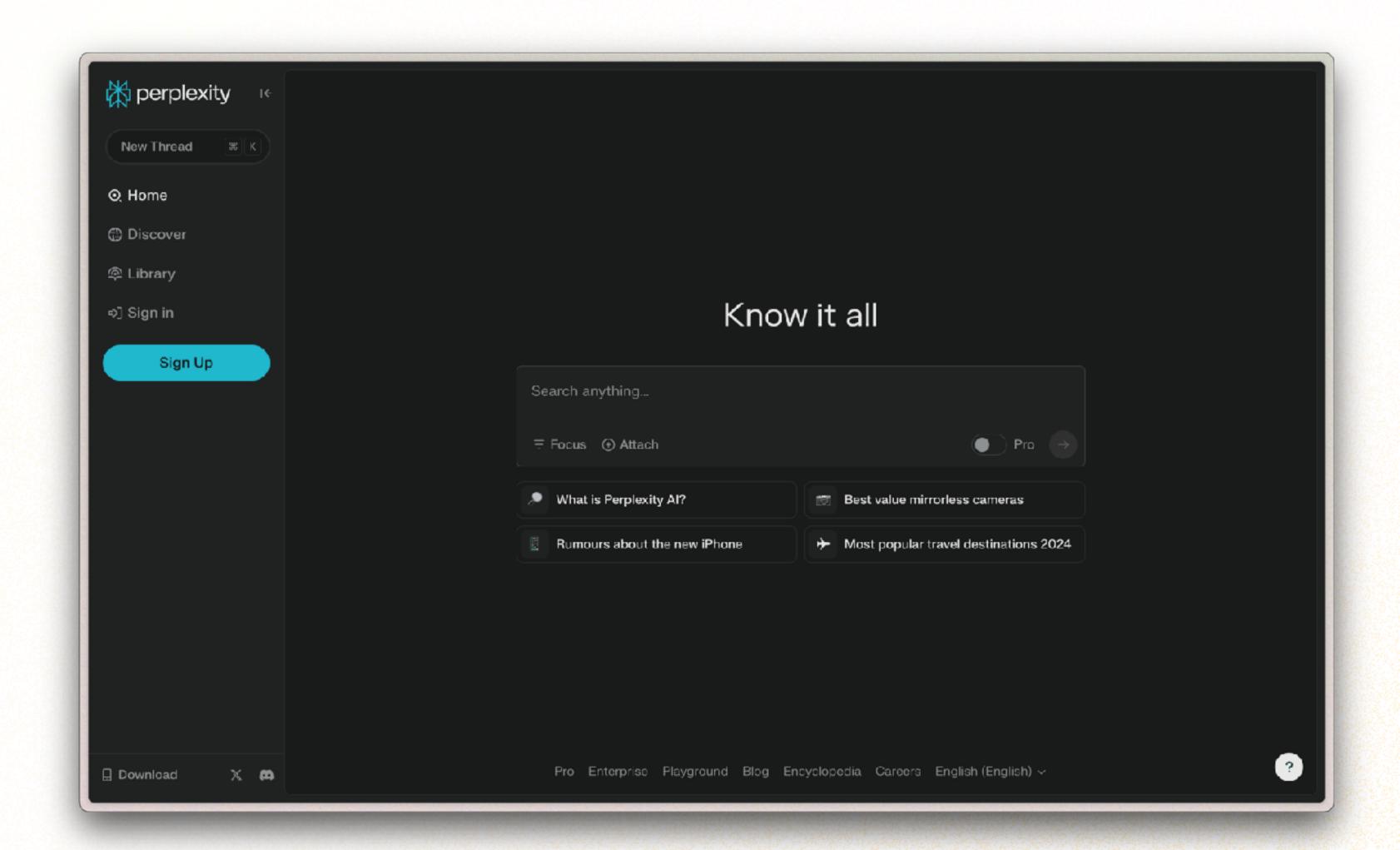
Voilà

# Al Tools

# Perplexity perplexity.ai

Initial desk research for quickly summarising content

Connections to sources

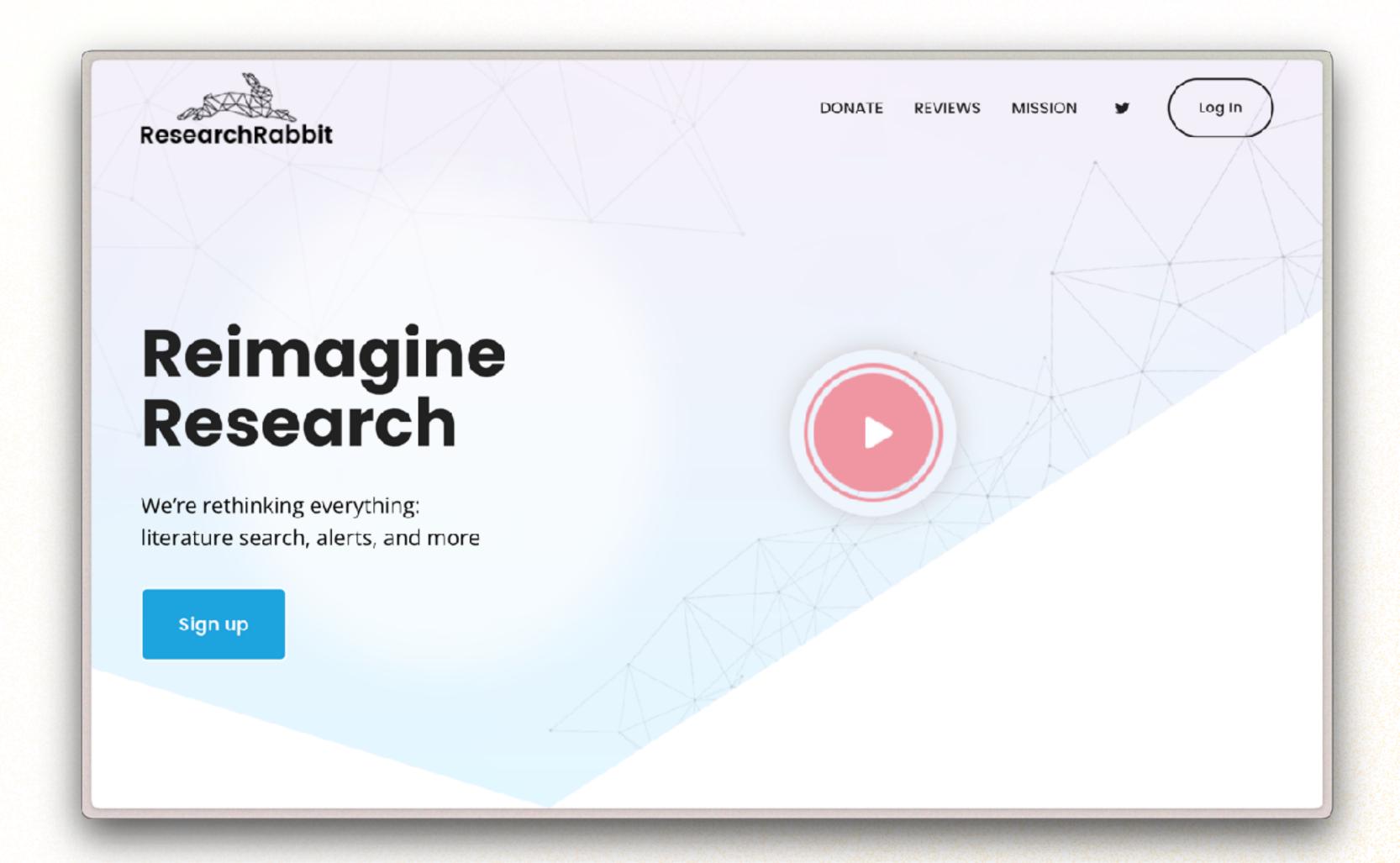


# Research Rabbit researchrabbit.ai

Initial desk research and literature review

Focus on academic literature, literature discovery and connections

Connects to Zotero

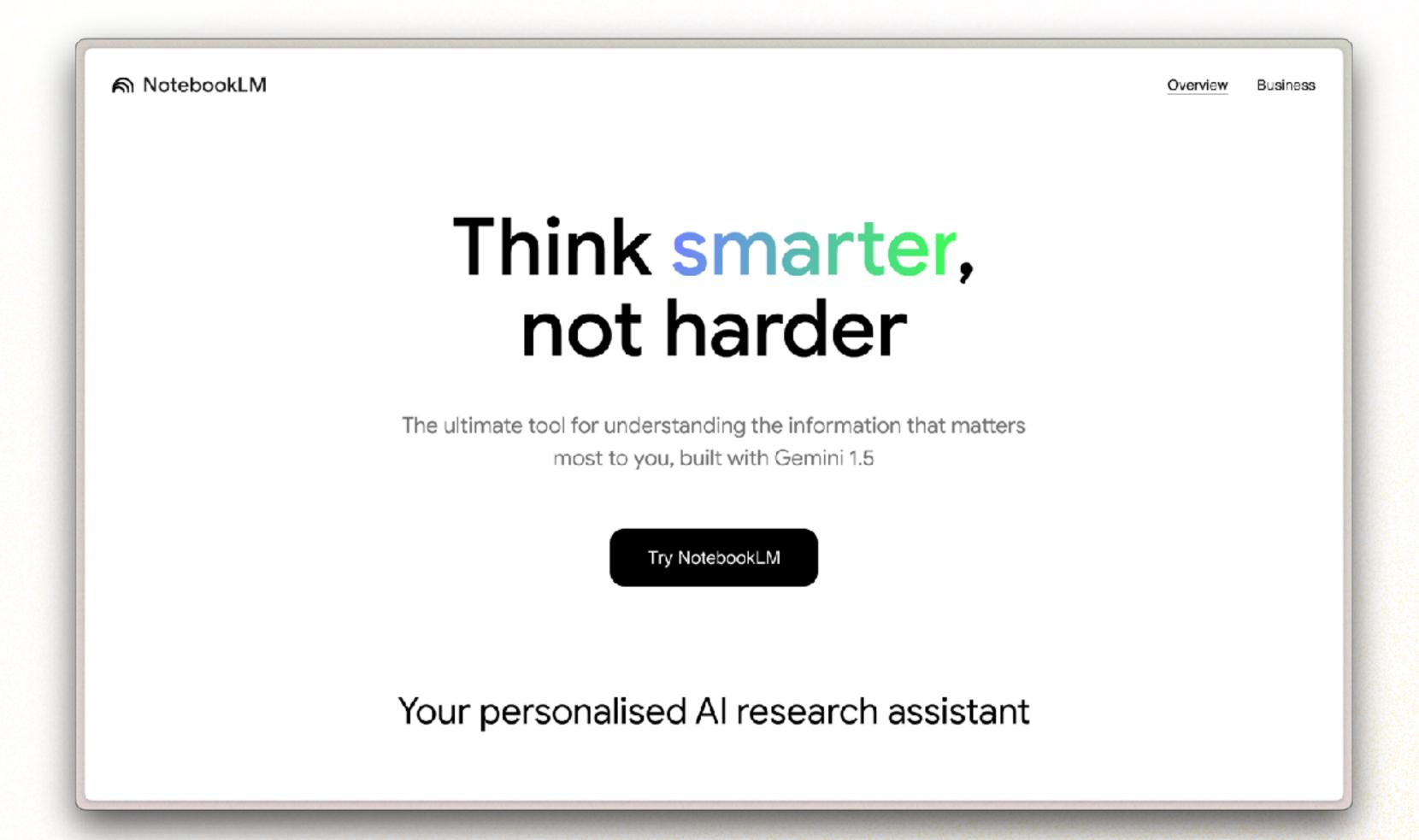


# NotebookLM notebooklm.google

Analysis tool

'Database' of your own sources

Connecting sources and specific citing



### **Content Generation**

GPT 4 - general purpose

Google Gemini - general purpose

Claude - general purpose

Mistsral - general purpose

Jasper - marketing teams

Scripe - LinkedIn Assistant

Cursor AI - Coding Assistant

### Design Generation

Motiff – UI

Uizard – UI

Galileo - Ul

make.com - workflow automation

Zapier - workflow automation

Napkin – visuals from text, storytelling

Maze - product research

Cove - whiteboard research collaborator

## Image Generation

Midjourney

Dall-E 3

Flux

Runway

Stable Diffusion

Firefly

Source: For Planet Strategy Lab - October 2024

### Sound Generation

Elevenlabs

Suno

Soundraw

# For Planet Strategy Lab: CRAFT Approach Proposal for Asking the Right Questions

Context Setting the Scene	Role New Perspectives	Action Clear Tasks	Format Diverse Forms	Trigger In-depth requirements
What are the circumstances?	What characterises the role?	Which task do you want to accomplish?	In what form is the result presented?	How do I iterate on the prompt?
When can you say that the goal is reached?	Which perspective is adopted?	Which questions do you ask?	Which 'tone of voice' do we want?	What additional data can I provide?
What is the mission?				What are the key words?
				Which mental models and

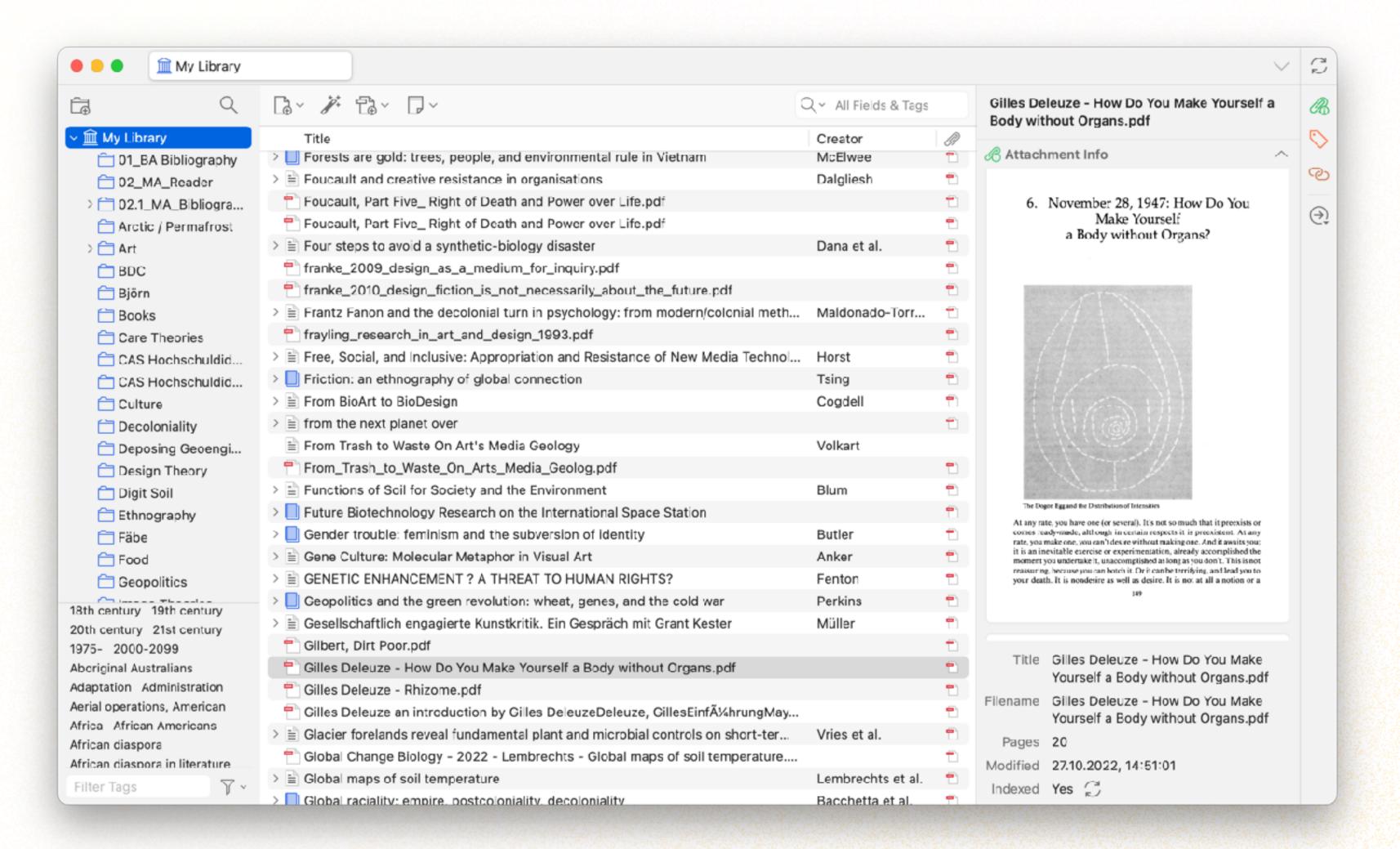
methods should be used?

# Writing and Organising Tools

# Zotero zotero.org

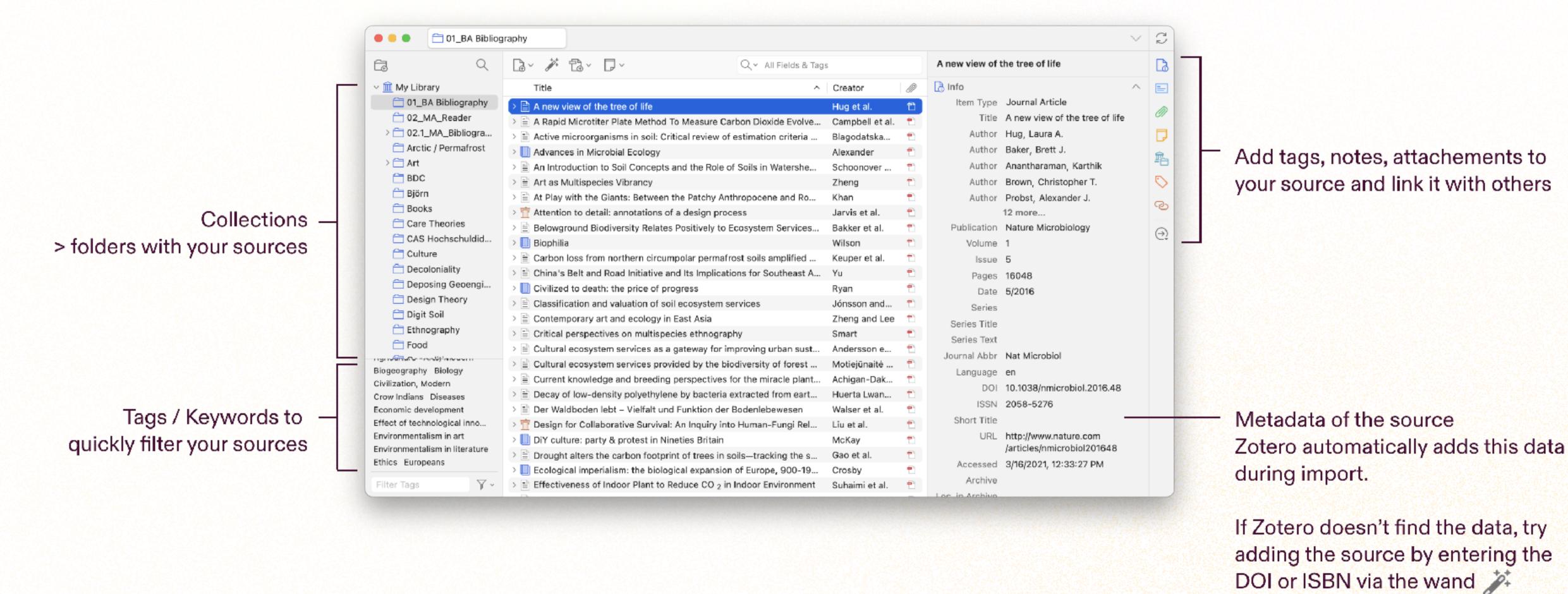
Reference management tool for organising sources, annotating and exporting citations

Open-source



in the upper toolbar

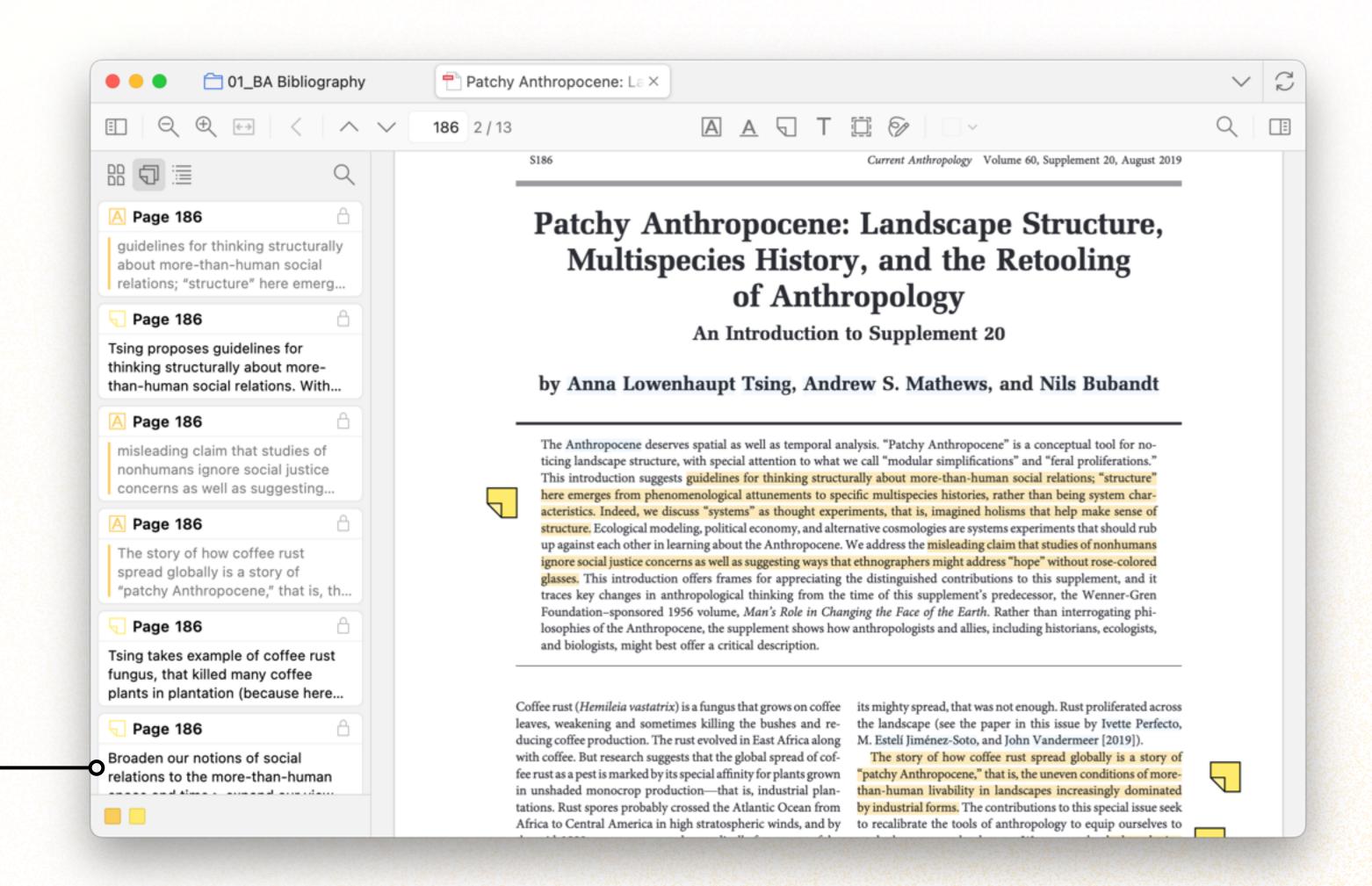
#### Overview



### Highlight, Annotate and Extract Notes

Highlight passages and add notes directly in Zotero

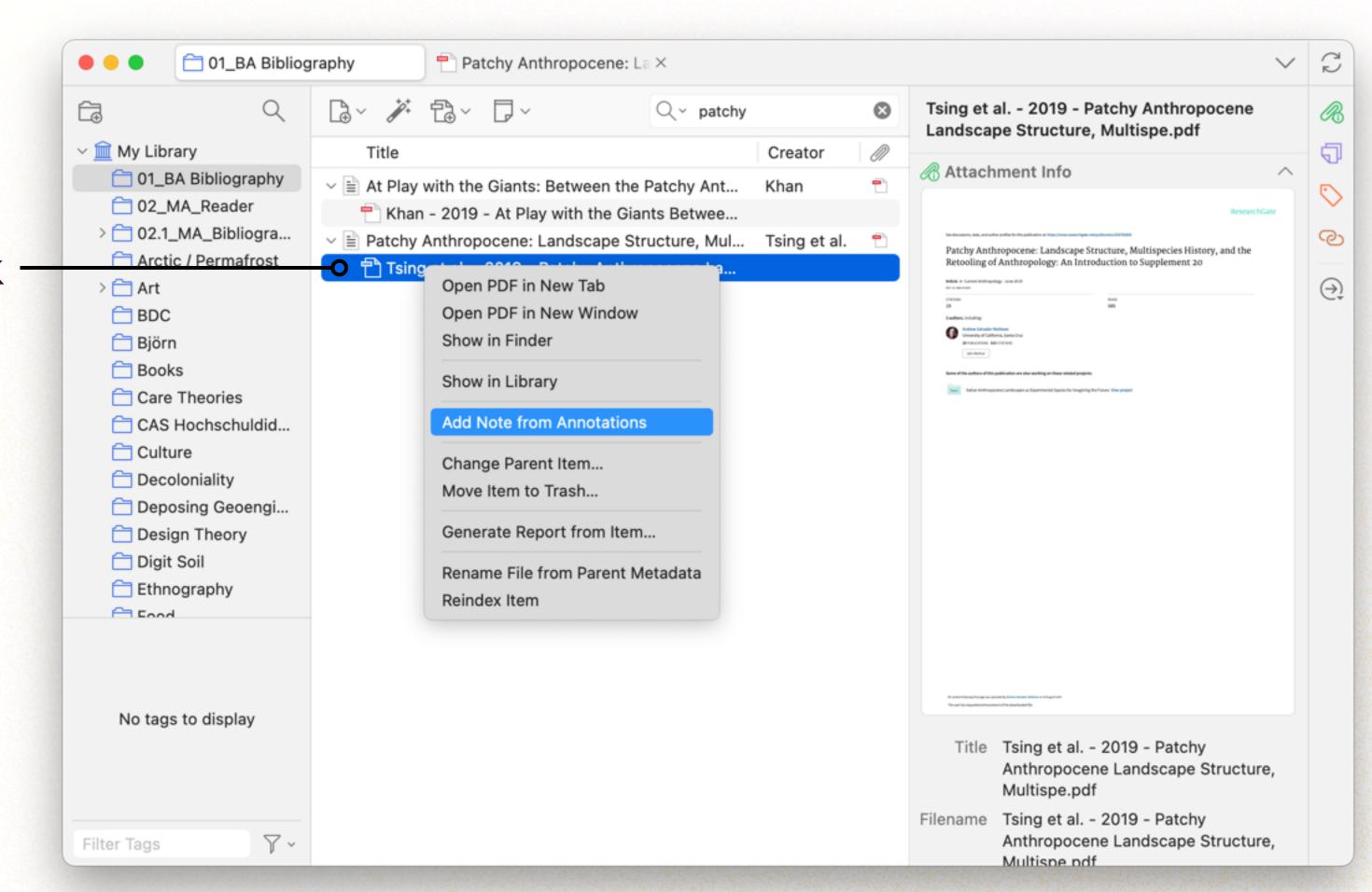
All highlights and personal notes are collected here and can be exported



### Highlight, Annotate and Extract Notes

Adding a note to the source with all your notes and highlights

Right click - > Add Note from Annotation



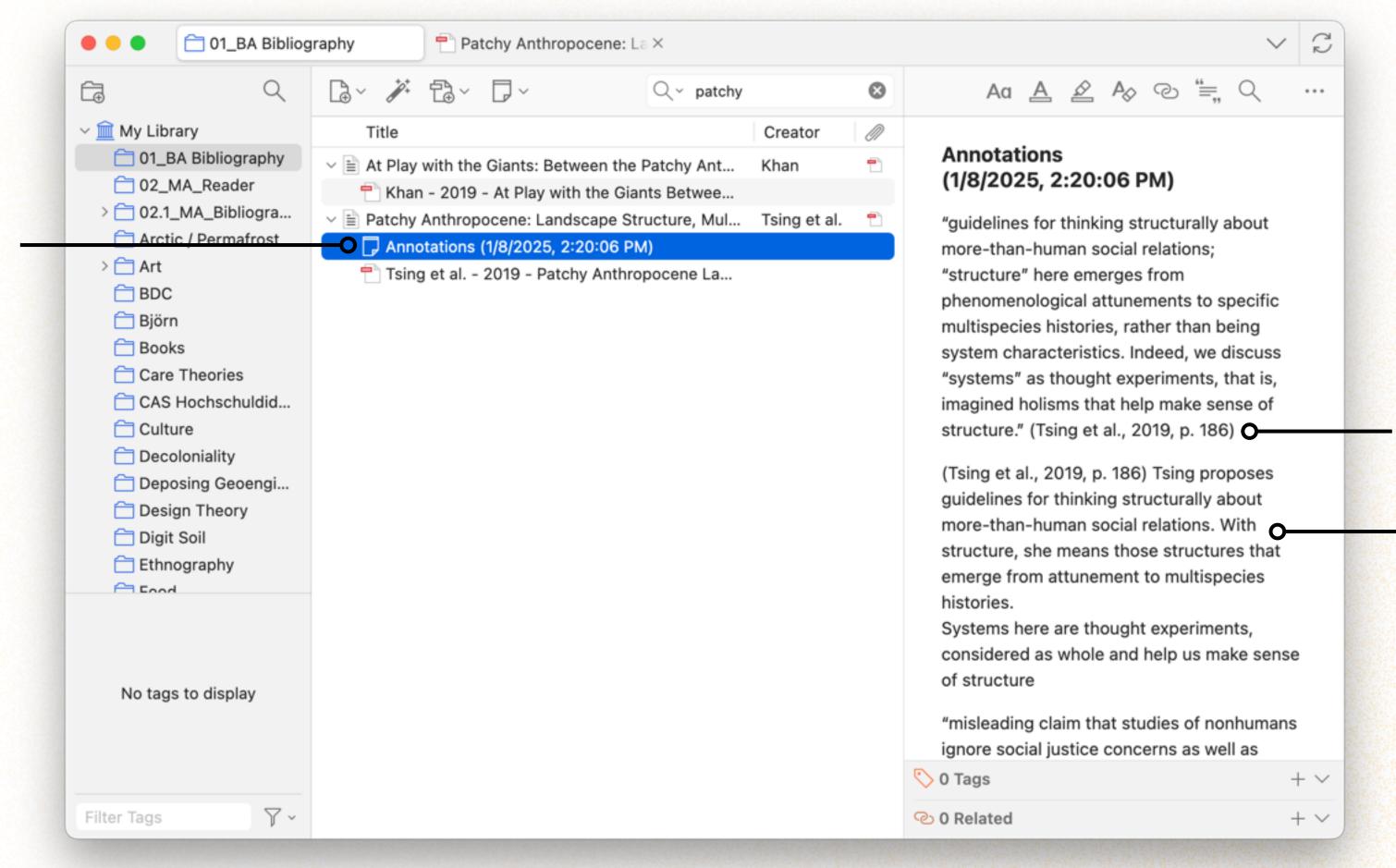
### Highlight, Annotate and Extract Notes

Adding a note to the source

with all your notes and

highlights

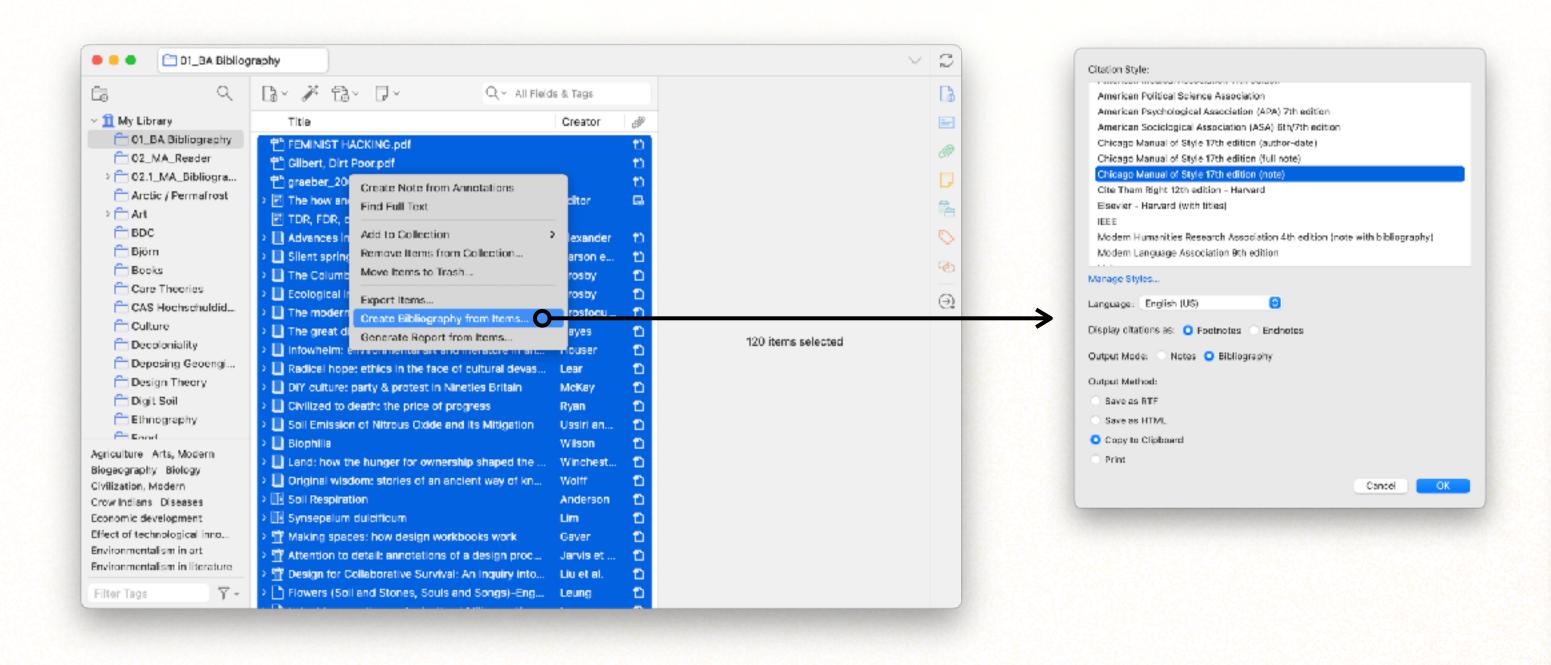
Note with your annotations created



Your annotations with correct in-text citation and page number

Example of a personal note in your own words

### **Export your Bibliography**





Right click

> create Bibliography from items...

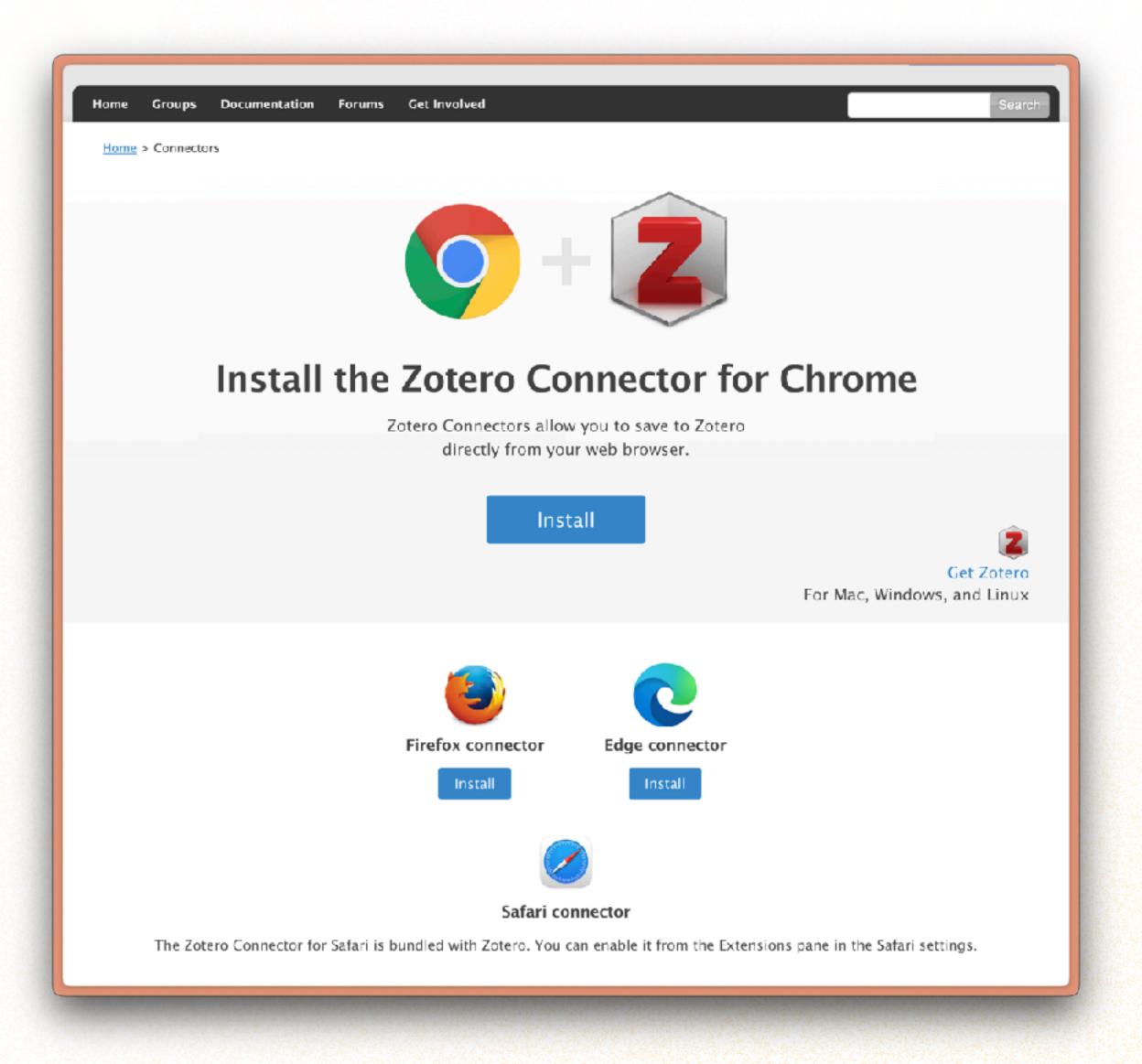
Choose citation style and output format

Paste into your writing tool

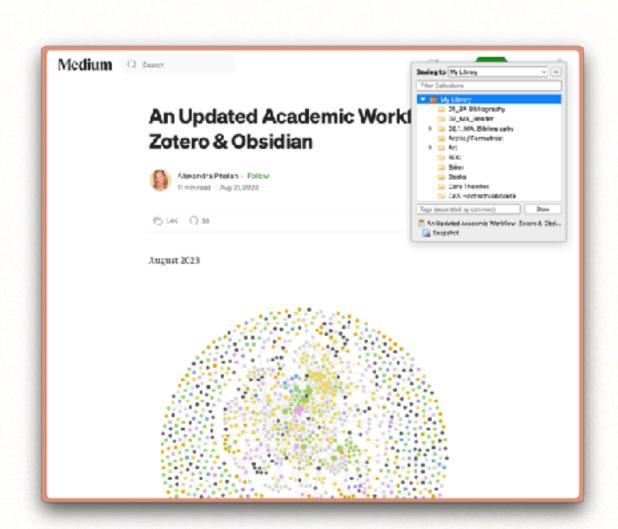
References are correctly formatted and sorted alphabetically

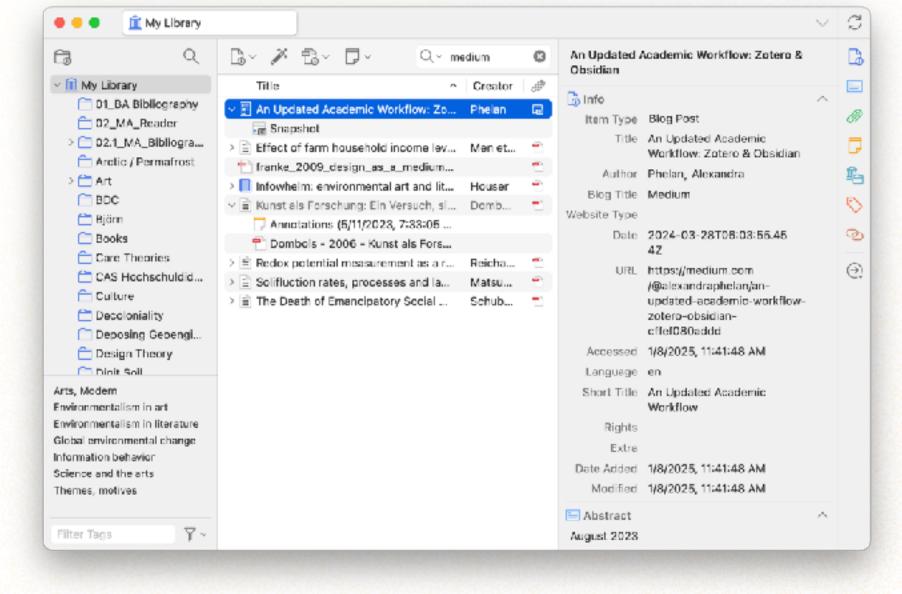
# Zotero Browser Plugin zotero.org/download/connectors

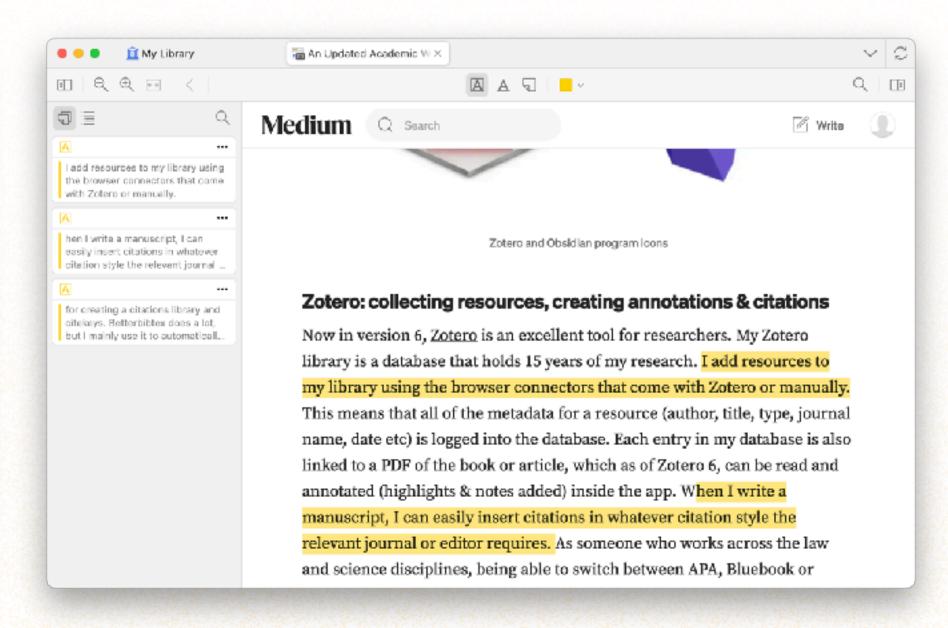
Adding webpages to your library



### Using the Zotero Browser Plugin







Save the website with the Zotero plugin

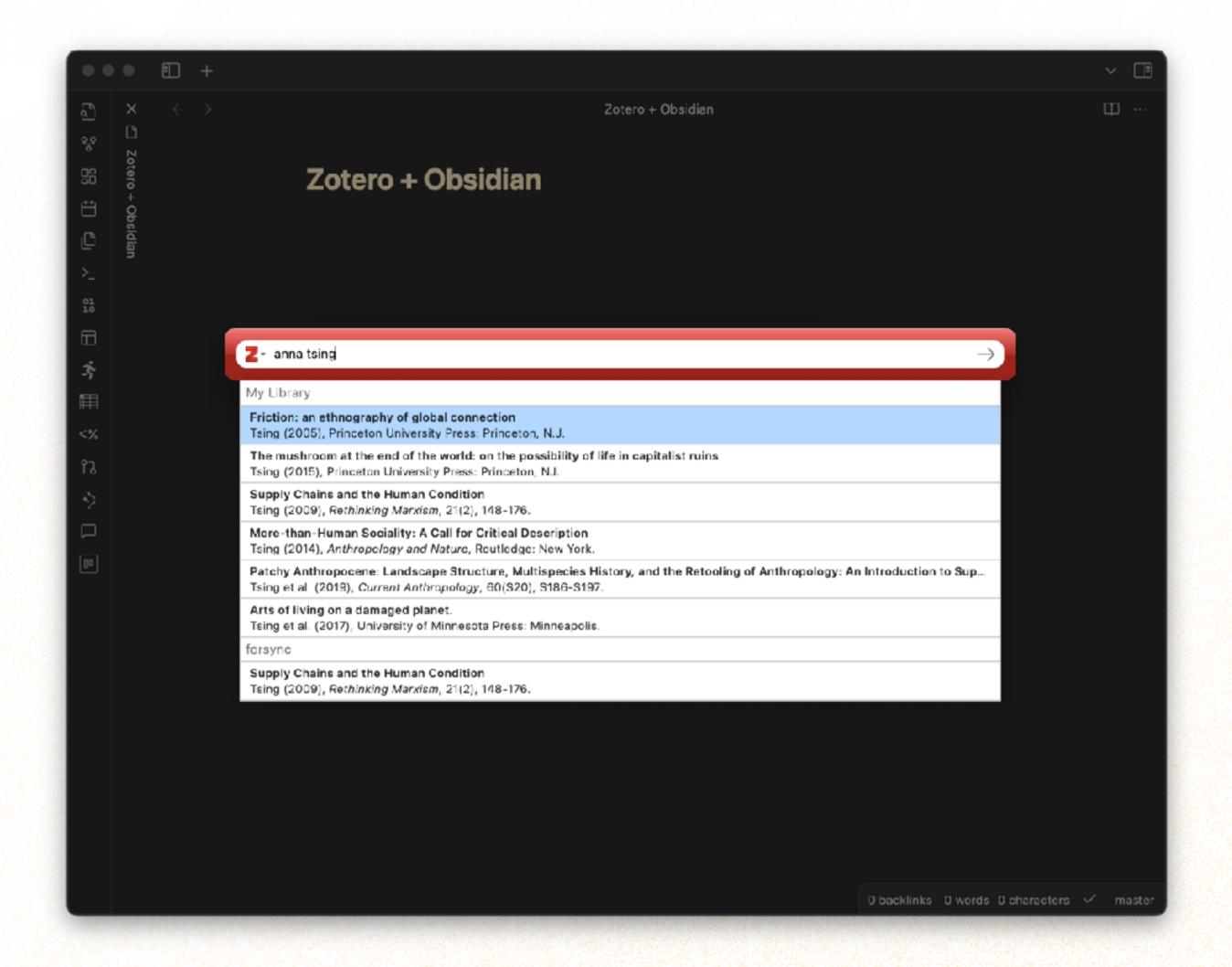
It adds a snapshot of the webpage to your library

Now you can open and annotate the article just like any other source

Zotero + Obsidian
Google Docs
Notion
Word

Connect your Zotero library directly with your writing tool, browse your library and import notes

More plugins at zotero.org/support/plugins



# Other Reference Management Tools

JabRef (Open Source)

Mendeley

Endnote

Paperpile

Citavi

# Obsidian obsidian.md

Powerful, adaptable knowledge base

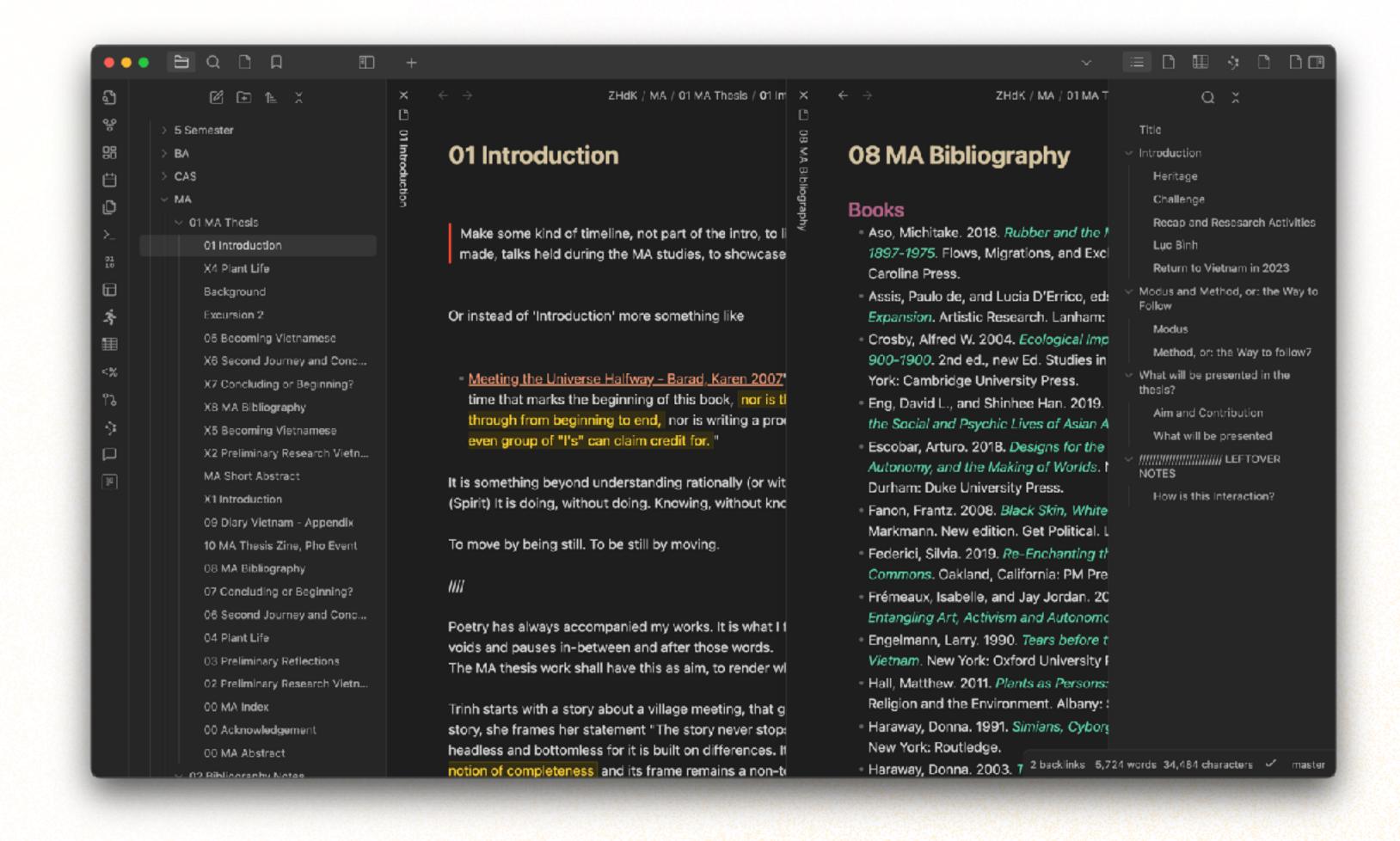
Local files based on Markdown

Linking your notes (wiki style)

Graph View (view your notes and their connections)

Embed images, pdfs and other notes

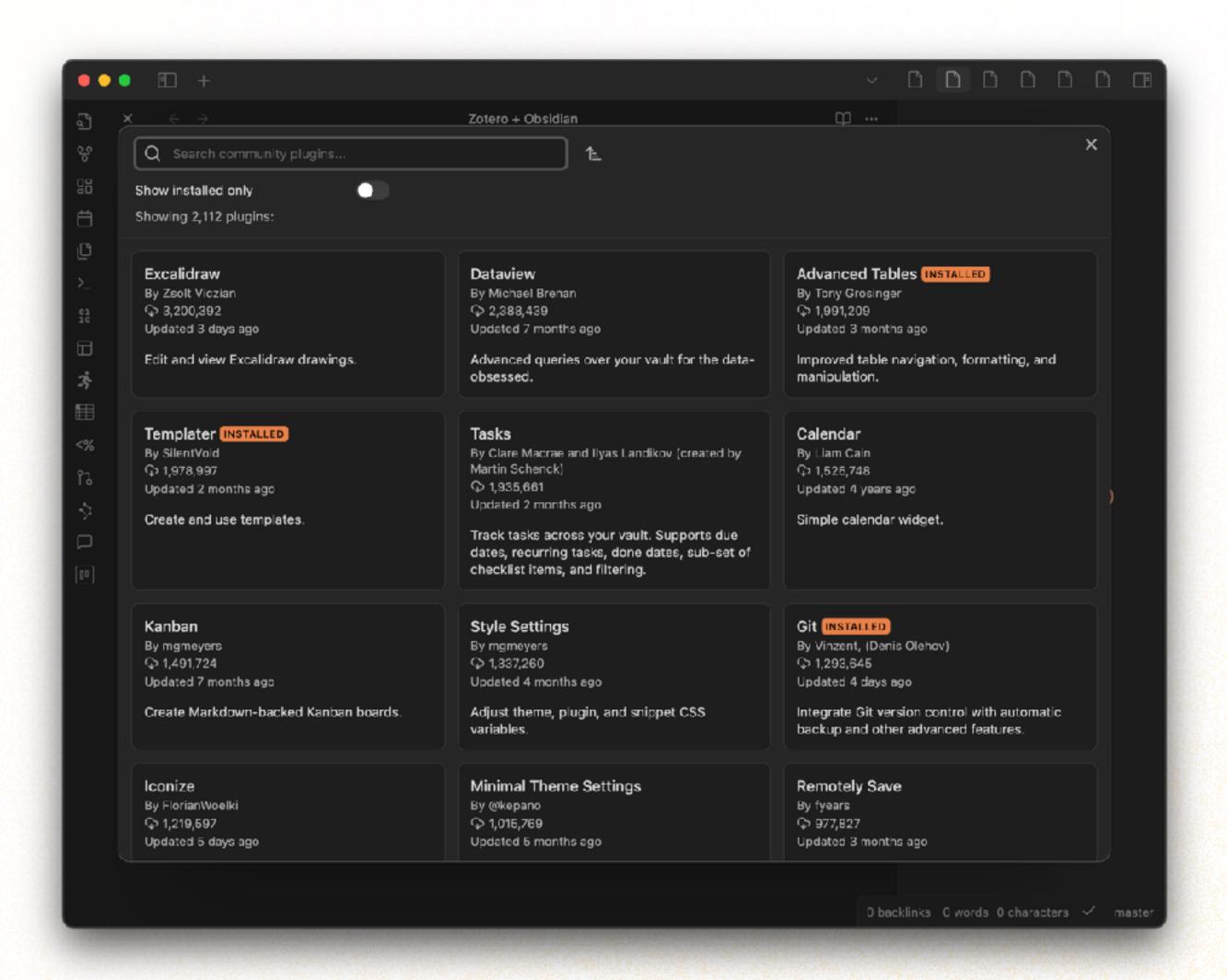
Highly customisable



### Obsidian Plugins

Large plugin developer community with plugins such as

- Github integration
- Kanban Board (Trello)
- Zotero integration
- Footnote handling
- Improved citation
- Wordsprints / writing goals
- Mindmaps
- Wordcounter
- Tasks
- API connections with Chatgpt, Claude, Gemini "chat with your notes"



# Further Writing Tools

Ulysses

iA Writer

Scrivener

Google Docs

# Design Methods designkit.org/methods

