

# Crash Course Thesis

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7. May 2026

# Content

## **Part 1:** 12:15 – 13:00

- Search Strategies & Identification and Evaluation of Sources (Christine Verhoustraeten)
- Reference Management (Merula Stout)

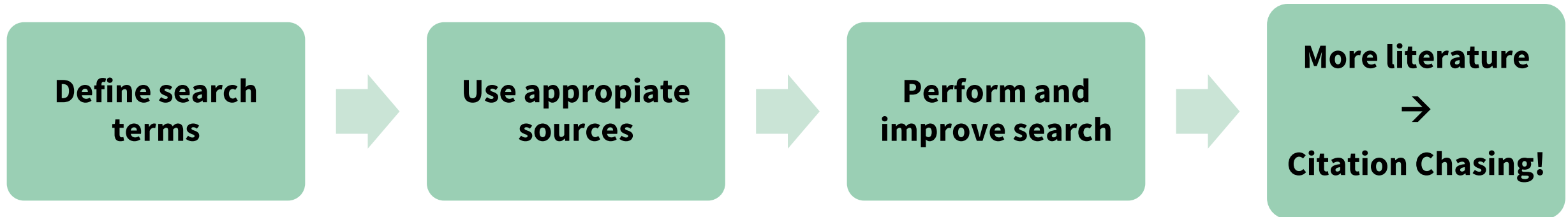
## **Part 2:** 13:15 – 14:00

- Citing (Merula Stout)
- Writing Tips (Anna C. Véron)
- Use of AI (Marco E. Weber)

# 1

# Search Strategies & Identification and Evaluation of Sources

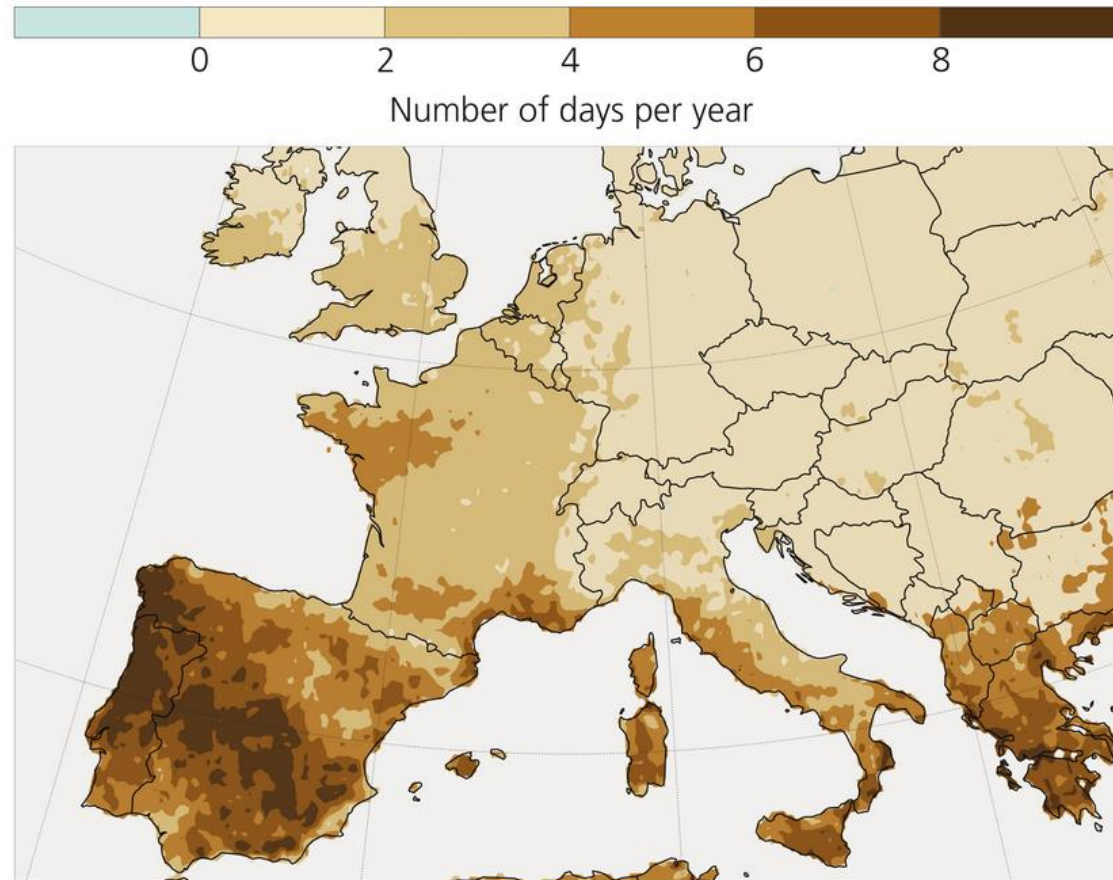
# Finding Literature in 4 Steps



# Example topic: The impact of climate change on dry periods in Switzerland

## Change in the longest dry period in summer

Expected change around 2060 without climate change mitigation, in comparison to 1981–2010 (30-year averages).



## Longer dry periods

Our country is situated at the edge of a zone around the Mediterranean that is experiencing more extensive dry periods. By the middle of this century, the longest dry period in summer is expected to increase by about two days. However, depending on how far the dry belt extends, it could be up to nine days longer.

National Centre for Climate Services. (2025, October 10). *Dry summers*. <https://www.nccs.admin.ch/nccs/en/home/climate-change-and-impacts/swiss-climate-change-scenarios/key-messages/dry-summer.html>

# Define Search Terms for your Search

Sources for finding synonyms/related terms:

- key papers, relevant papers
- AI Chatbots
- Wikipedia

The impact of **climate change** on **dry periods** in **Switzerland**

## Climate Change

Climate change  
Climatic change  
Global warming

## Dry Periods

Dry periods  
Dry spells  
Rain-free periods  
Droughts  
Dry phases  
Precipitation deficits

## Switzerland

Switzerland  
Swiss  
Alpine state

Klimaänderung  
Klimaveränderung  
Klimawechsel  
Globale Erwärmung

Dürre  
Dürreperioden  
Trockenheit  
Trockenphasen  
Trockenzeiten  
Hitzephasen

Schweizerisch  
Eidgenossenschaft  
Confoederatio Helvetica  
Alpenland

# Sources in the Natural Sciences

## Multi-disciplinary literature databases

Web of Science  
Scopus

Open Alex

## Subject-specific literature databases

By subject

## Library catalogues

swisscovery  
KVK

## Search engines

Google Scholar  
Base

## Patent databases

Espacenet  
Google Patents

## Newspaper archives

Factiva  
Nexis Uni

## AI Tools

Consensus  
Scite.ai

**Link to subject-specific sources**

**<https://www.ub.uzh.ch/en/unterstuetzung-erhalten/fachliche-unterstuetzung.html>**



# Appropriate sources for the example topic: Google Scholar & Web of Science

Google Scholar search results for "climate change dry periods switzerland". The search bar shows the query and a magnifying glass icon. Below the search bar, it indicates "Ungefähr 936'000 Ergebnisse (0,26 Sek.)" and "Mein Profil". The results list includes filters for "Artikel" and "Zeitraum wählen...".

Beliebige Zeit  
Seit 2026  
Seit 2025  
Seit 2022  
Zeitraum wählen...

Nach Relevanz  
sortieren  
Nach Datum sortieren

Beliebige Sprache  
Seiten auf Deutsch

Alle Typen

An empirical perspective for understanding **climate change** impacts in **Switzerland**  
PD Henne, M Bigalke, U Büntgen... - ... **environmental change**, 2018 - Springer  
... **climate change** impact projections for hydrological systems, alpine meadows, forests and agriculture in **Switzerland**. ... ecological and cultural significance in **Switzerland**. Furthermore, our ...  
☆ Speichern Zitieren Zitiert von: 44 Ähnliche Artikel Alle 13 Versionen

[PDF] unibe.ch  
UZH ZB full text

An analysis of regional **climate change** in **Switzerland**  
M Beniston, M Rebetez, F Giorgi... - Theoretical and applied ..., 1994 - Springer  
... **period** from 1901 to 1992 for four locations in **Switzerland** (Zurich, Lugano, Davos, an has been made. The study has highlighted the fact that **climate change** ... regional **clima**  
☆ Speichern Zitieren Zitiert von: 253 Ähnliche Artikel Alle 10 Versionen

[PDF] unine.ch

Seasonality and magnitude of floods in **Switzerland** under future cli

Web of Science search interface showing the "Advanced Search" tab. The search bar contains "Search in: Web of Science Core Collection" and "Editions: All". Below the search bar, there are tabs for "FIELD SEARCH", "QUERY BUILDER", "CITED REFERENCES", and "STRUCTURE". The "FIELD SEARCH" tab is active, showing a search query: "climate change" OR "global warming" OR "climatic change". Below this, there are two more search entries: "dry periods" OR "dry spells" OR "rain-free periods" OR droughts OR "dry phases" OR "pe" and "switzerland or swiss".

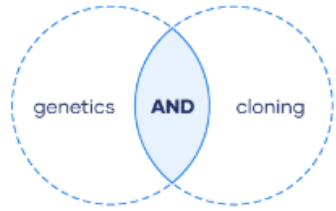
## Web of Science

- Good for comprehensive searches
- Allows complex search strings
- Specific title, abstract search possible

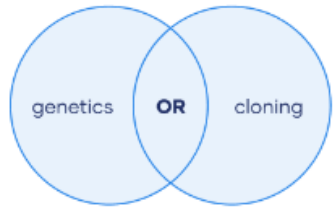
## Google Scholar

- Good for an initial overview
- Few or no hits in subject-specific literature databases
- Full-text search in paper possible

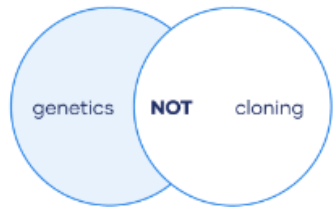
# Search Techniques I



Both terms appear in the search results  
→ Blank space = AND



Minimum one or both terms appear in the search results  
→ Use it for the synonym search



Only the first term appear in the search results  
→ Publications with both terms don't appear  
→ Use it to exclude f. ex. specific publication years or publication types

When searching with two different operators, use parentheses!

"climate change" **AND** ("dry periods" **OR** droughts)

# Search Techniques II

Technique	Explanation	Example (for Web of Science)
Truncation	Extending search term by using truncation mark for one or more letters	dry* = dry, drying, dryer
Phrase Search	Search the terms in a specific order	"climate change"
Field Search	Search the term/s in a specific field like title, abstract, author, source etc.	TI=(dry)
<b>Not possible in all search engines, AI tools Commonly found in the advanced search of literature databases</b>		
Proximity Searching	Search terms are one or more words apart	climate NEAR/3 change
<b>Not possible in search engines, AI Tools</b>		

**Each information source has it's own search techniques!**  
**Check out the help pages!**

# Perform Search → Build search strings with the search terms

The impact of **climate change** on **dry periods** in **Switzerland**

## Search Concept

## Search Strings

---

### Climate Change

"climate change" OR "global warming" OR "climatic change"

---

### Dry Periods

"dry period\*" OR "dry spell\*" OR "rain free period\*" OR "dry phase\*" OR drought\* OR "percipitation deficit\*"

---

### Switzerland

switzerland OR swiss OR "alpine state"

---

# Perform Search → Run search concepts separately

(Applies only to information sources with an Advanced Search)

0/3 Combine Sets Export Clear History

<input type="checkbox"/>	3	switzerland OR swiss OR "alpine state" (Topic)	134,657	Add to query			
<input type="checkbox"/>	2	"dry period*" OR "dry spell*" OR "rain free period*" OR "dry phase*" OR drought* OR "percipitation deficit*" (Topic)	203,516	Add to query			
<input type="checkbox"/>	1	"climate change" OR "global warming" OR "climatic change" (Topic)	582,509	Add to query			

Combine search concepts

No. hits per search concept → no. realistic?

Possibility to edit search

# Perform Search → Combine search concepts

(Applies only to information sources with an Advanced Search)

0/4 Combine Sets ▾ Export ▾ Clear History

<input type="checkbox"/> 4	#1 AND #2 AND #3	291	<span>Add to query ▾</span>	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>
<input type="checkbox"/> 3	switzerland OR swiss OR "alpine state" (Topic)	134,657	<span>Add to query ▾</span>	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>
<input type="checkbox"/> 2	"dry period*" OR "dry spell*" OR "rain free period*" OR "dry phase*" OR drought* OR "percipitation deficit*" (Topic)	203,516	<span>Add to query ▾</span>	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>
<input type="checkbox"/> 1	"climate change" OR "global warming" OR "climatic change" (Topic)	582,509	<span>Add to query ▾</span>	<a href="#">🔗</a>	<a href="#">✎</a>	<a href="#">🔔</a>

# Improve Search

Too many hits

- Use filters (specific publication type, publication year, etc.)
- Use other search techniques  
→ Proximity Search / Phrase Search

<b>dry period</b> (Topic)	124,059
<b>dry NEAR/3 period</b> (Topic)	23,020
<b>"dry period"</b> (Topic)	7,137

Not enough hits

- Check no. search concepts
- Edit search string → Use additional search terms (expand synonym search)
- Use other search techniques → truncation
- Citation Chasing

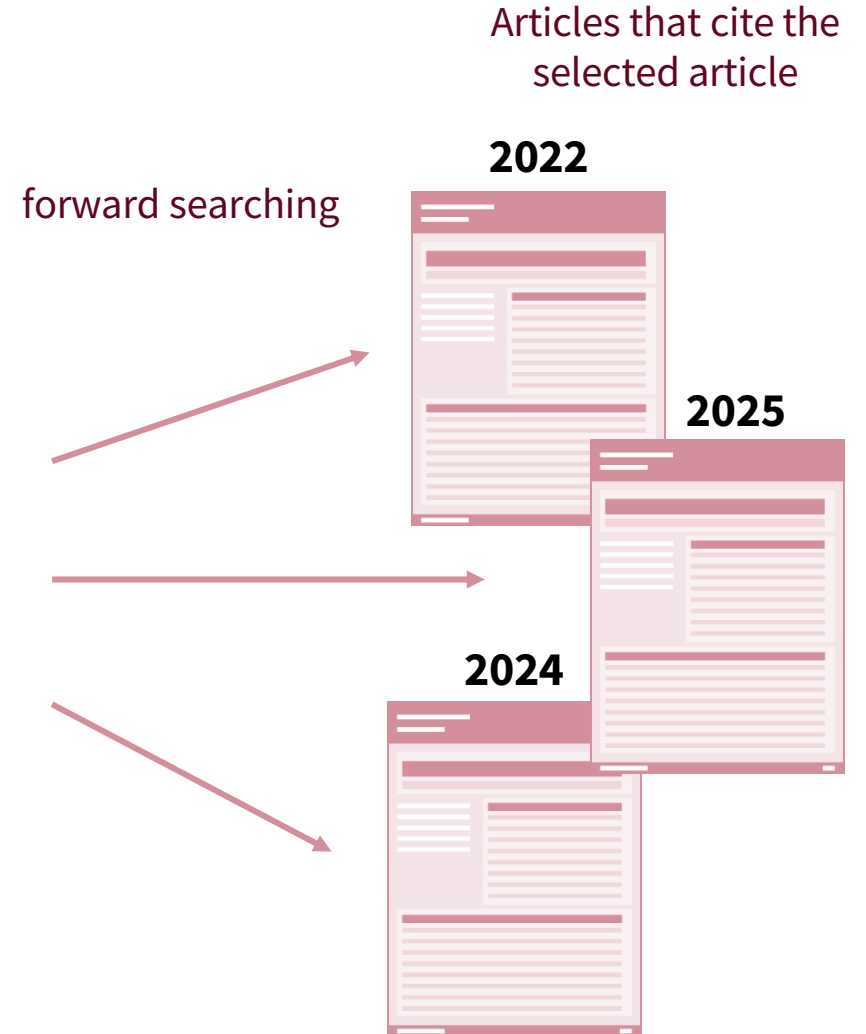
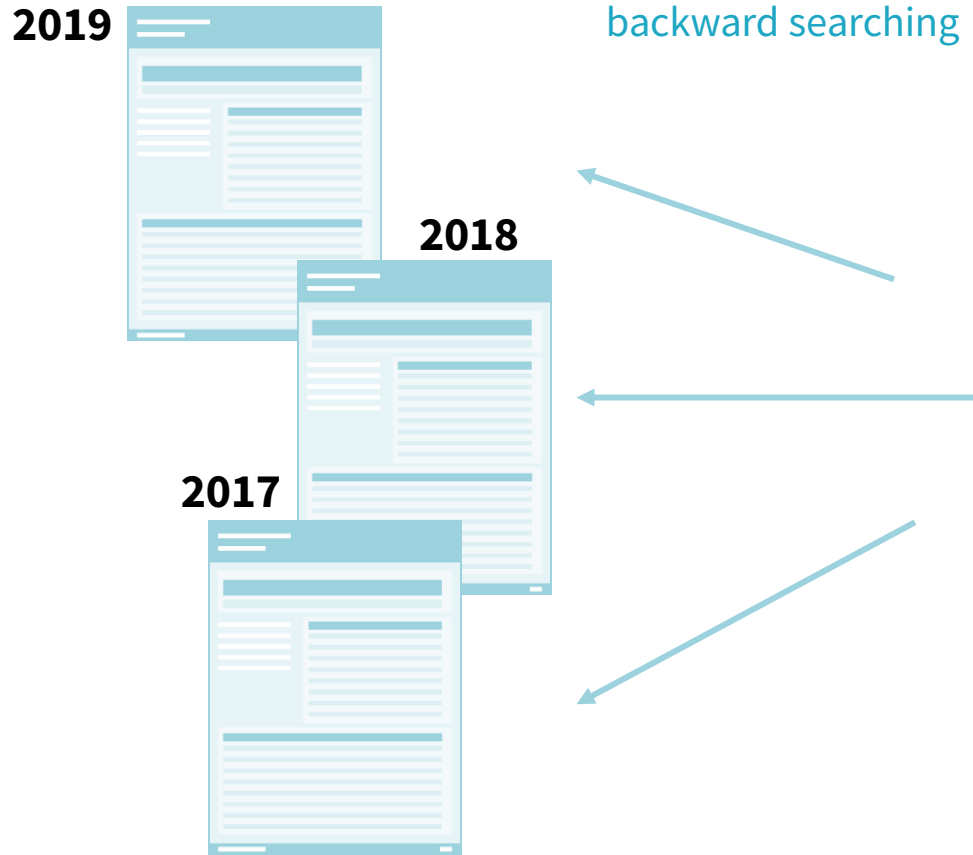
Results not relevant

- Adjust/Refine search terms
- Check search techniques

# Citation Chaining

Appropriate information sources: Google Scholar, Web of Science or Scite.ai

Articles cited in the selected article (→ in the reference list of the «chosen article»)



→ This way, I can find even more relevant literature

## Evaluating Sources with CRAAP

**C** **Currency** - the timeliness of information  
When was the information published or posted? Has the information been revised or updated?  
Is the information current or out of date? Are the links functional?

**R** **Relevance** - the importance of the information for your needs  
Does the information relate to your topic or answer your question? Who is the intended audience?  
Is the information at an appropriate level? Have you looked at a variety of sources?

**A** **Authority** - the source of the information  
Who is the author/ publisher/ source/ sponsor? Are the author's credentials or organisational affiliations given, and what are they? What are the author's qualifications?

**A** **Accuracy** - the reliability, truthfulness, & correctness of the content  
Where does the information come from? Is it supported by evidence? Has it been reviewed? Can you verify any of the information in another source? Does the language seem unbiased?

**P** **Purpose** - the reason the information exists  
What is the purpose of the information? Do the author's sponsors make their intentions clear? Is this information fact/ opinion/ propaganda? Is it objective, impartial & unbiased?



# What is a credible source?

- Peer Review?
- Authors incl. institution?
- Journal?
- Publisher?
- Reference list?
- Conflict of interest? e.g. selling a product
- Who funded the study?

Regional Environmental Change (2026) 26:59  
https://doi.org/10.1007/s10113-026-02538-6

RESEARCH



## Future climate change impacts on forests in the Canton of Bern, Switzerland

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Received: 11 March 2025 / Accepted: 29 January 2026 / Published online: 2 March 2026  
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### Abstract

Rapid anthropogenic climate change is projected to change forest composition and productivity in the coming decades to centuries. Forest managers and decision-makers therefore need regional-scale forest projections to assess climate change impacts and mitigate adverse effects by anticipatory forest management. Here, we simulate future forest composition in the Canton of Bern (Switzerland) under different climate and management scenarios, using the dynamic vegetation model LANDCLIM. Our aim is to identify climate-change sensitive areas and tree species affected by increasing summer drought, in order to assess the potential of adaptive forest management to maintain current ecosystem services in today's forests. Our results consistently show a decline of *Picea abies* under future climatic changes, either due to drought-induced mortality in lowland plantations or competitive replacement by temperate trees in its natural habitat. Our results also suggest that *Fagus sylvatica* can persist in favorable sites at low elevations, contradicting recent projections of a total disappearance on the Swiss Plateau. Additionally, our results support palaeoecological findings suggesting that *Abies alba* is well adapted to global warming conditions under low browsing intensity. Other trees that will thrive under higher temperatures and drier summers are *Tilia cordata*, *Tilia platyphyllos*, *Ulmus glabra*, *Carpinus betulus*, *Quercus robur*, *Quercus petraea*, *Quercus pubescens* and *Acer pseudoplatanus*. Warmer temperatures will also allow Mediterranean evergreen and deciduous species to establish first populations on the warmest and driest sites. Our results demonstrate that overall, Swiss forests might increase in biomass, suggesting that they can act as a net carbon sink. However, special attention must be given to southern exposed slopes and areas with shallow soils. There, climate change will have the most drastic and immediate effects with dieback of *Fagus sylvatica* and a shift to more drought-tolerant species.

**Keywords** Dynamic vegetation model · *Picea abies* · *Fagus sylvatica* · *Abies alba* · LandClim · Forest management

### Introduction

Global emission scenarios project a surface temperature increase of 1.4–4.4 °C by the end of this century (Lee et al. 2021). While global warming can promote tree growth by prolonging the growing season and expanding their range, it can also negatively affect forests by increasing evapotranspiration and causing more extreme events such as droughts, fires, and floods (Seneviratne et al. 2021; Vitasse et al. 2021). Hence, anthropogenic climate change is regarded as one of the leading causes of forest compositional change,

jeopardizing future provision of various ecosystem functions and services (Jia et al. 2022). Since humans rely on the benefits and services forests provide, gaining knowledge on future forest compositional changes is crucial for human well-being (Millennium Ecosystem Assessment 2005; Mina et al. 2017). Simulating future forest composition by using vegetation models represents a valuable option to project changes and implement early mitigation strategies. While these projections mainly exist on a local or global scale (e.g., Pretzsch et al. 2008; Elkin et al. 2013; Zimmermann et al. 2014; Buras and Menzel 2019), it is important to gain knowledge on the upcoming changes on a regional scale to facilitate the implementation of mitigation and adaptation management strategies.

In Switzerland, temperatures have increased by around 2.1 °C since pre-industrial times, which is twice the rise in the average global temperature of 1.1 °C (CH 2018 2018). With continuously rising greenhouse gas emissions and no implementation of mitigation strategies, Switzerland is

Communicated by José Valentin Roces-Díaz

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Springer

# Checklist for unserious papers / journals

## Questions to ask yourself

- Where do your group members / other researchers in your field publish?
- From which journals are the papers cited?
- How does the layout of the paper look like? Is it professional?
- How is the peer review process? Is the timeline realistic?

## The journal

- Title is very generic and often includes words such as International, Global, World, American, European, Advanced Journal of...
- ISSN does not exist (existing ISSNs can be found at [portal.issn.org](https://portal.issn.org)), for Open Access journal is it list in [DOAJ](https://doaj.org)
- Very wide range of topics from A to Z
- Editorial board members are from fields that don't match the journal

## Website

- Poor grammar and layout
- Written to appeal to authors, not readers
- Suspicious contact information (postal address does not exist; email addresses from free providers)
- Texts and downloadable material often copied from reputable journals

→ **A single feature is not necessarily a clear indication of a fake journal.**

Adapted from: University Library Graz. (n.d.). *Checklist for Recognizing Fake Journals (Predatory Journals)*. Retrieved 6 May 2026, from <https://ub.uni-graz.at/en/research-publish/fake-journals-predatory-publishing/checklist-for-recognizing-fake-journals-predatory-journals/>



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Our philosophy is to map new frontiers in emerging and developing technology ;  
We enforced to encourage the global research teams and personnel who engaged  
We are publishing non-profit peer-reviewed International Journals of Pharmaceu  
We started with a Mission to encourage contribution to Research in Sciences & T  
Presently we are handling the emerging Pharmaceutical field. The title of our Int

### International Journal of Pharmaceutical Sciences Review and Research (Int

International Journal of Pharmaceutical Sciences Review and Research (Int J Pha

The journal will cover topics related to Pharmaceutical Sciences (Pharmaceut  
development, nutraceutical product development, cosmetic product developm  
Biotechnology of Pharmaceutical Interest, quality assurance, herbal technology, ;

### Our International Journal of Pharmaceutical Sciences Review and Research

Elsevier-Scopus SCImago Impact factor 2016 = 0.65

Scopus SCImago Journal Rank (SJR) 2018: 0.18

Index copernicus value: ICV 2016: 92.89, ICV 2017: 71.72

SJIF 2018 = 6.857 (Scientific Journal Impact Factor Value for 2018)

Our journal was indexed in the following:

## CURRENT ISSUE

### Vol. 10 No. 1 (2025): In Progress

PUBLISHED: 2025-01-01

## ARTICLES

### Isoeugenol's biotransformation to vanillin using microorganisms

Rupa Verma, Abhijit Dutta

1-11



### Preparation of carbon quantum dots biofilm and adsorption of heavy metal Cu<sup>2+</sup>

Jianting WEI

12-21



### Spectroscopic determination of neodymium (III), praseodymium (III), samarium (III) and Terbium (III) in aqueous and micelle media using 2,2'- ((1E,1'E) - (1,4 phenylenebis (Azanylylidene)) Bis (Methanylylidene)) diphenol (BSPPD) as ligand

Uwanta, Emmaie Jimmy, Nicholas, Eno-obong Sunday, Ikpe, Edidiong Emmanuel, Ukoha, Pius Onyeoziri

22-33



MAKE A SUBMISSION



ISSN: 2616-5244

## RELATED JOURNALS

Scientific  
Modelling and Research

## MOST READ ARTICLES

Spectroscopic determination of  
neodymium (III), praseodymium (III)

# 2

## Reference Management

# Reference Management Software

- Systematically organize literature and sources
- Clearly structure notes and excerpts
- Easily integrate citations into texts
- Generate a bibliography with a single click
- Cognitive aid: establish cross-references more quickly through overview



Easy searching, organizing and using my literature references

The screenshot shows the Zotero application window. On the left is a sidebar with a folder tree including 'GEO186'. The main area displays a table of library entries:

Title	Year	Creator	Library Catalogue
Alps-wide high-resolution 3D modelling re...	2025	Henz et al.	Copernicus Online Journals
Beyond the powers of seduction: tracing b...	2025	Hilbrandt	tandfonline.com (Atypon)
Evolution, sedimentation and thermal stat...	2024	Hardmeie...	Wiley Online Library
Identifying Subsurface Connectivity From ...	2024	Bishop et al.	Wiley Online Library
Machine learning-based multimodal data f...	2025	Meyer et al.	Taylor and Francis+NEJM
Making climate finance: toward everyday, ...	2025	Kear et al.	tandfonline.com (Atypon)
Naturgefahren im Zusammenhang mit Gle...	2024	Huggel	www.zora.uzh.ch
Research articles in the GPT era	2024	Adams et ...	josis.org
Spatial Information Science in 2023	2023	Adams et ...	josis.org
Value of water level class observations for ...	2025	Clerc-Sch...	Taylor and Francis+NEJM
Variability and temporal stability of throug...	2025	Verdone e...	ScienceDirect

The right pane shows the 'Info' tab for the selected article:

**Alps-wide high-resolution 3D modelling reconstruction of glacier geometry and climatic conditions for the Little Ice Age**

Item Type: Journal Article  
Title: Alps-wide high-resolution 3D modelling reconstruction of glacier geometry and climatic conditions for the Little Ice Age  
Author: Henz, Andreas  
Author: Reinthaler, Johannes  
Author: Nussbaumer, Samuel U.  
Author: Leger, Tancrede P. M.  
Author: Kamleitner, Sarah  
Author: Juvet, Guillaume  
Author: Vieli, Andreas  
Publication: The Cryosphere  
Volume: 19  
Issue: 11



Literaturverwaltungsprogramme, UB Zürich <https://www.ub.uzh.ch/de/literatur-suchen-nutzen/mit-literatur-arbeiten/Literaturverwaltungsprogramme.html>.

# Reference Management Software: Zotero



**Operating System:** Windows, Mac, Linux

## Advantages



- Intuitive
- Good import quality from library catalogues/data bases
- Open Source
- Plugins for Word

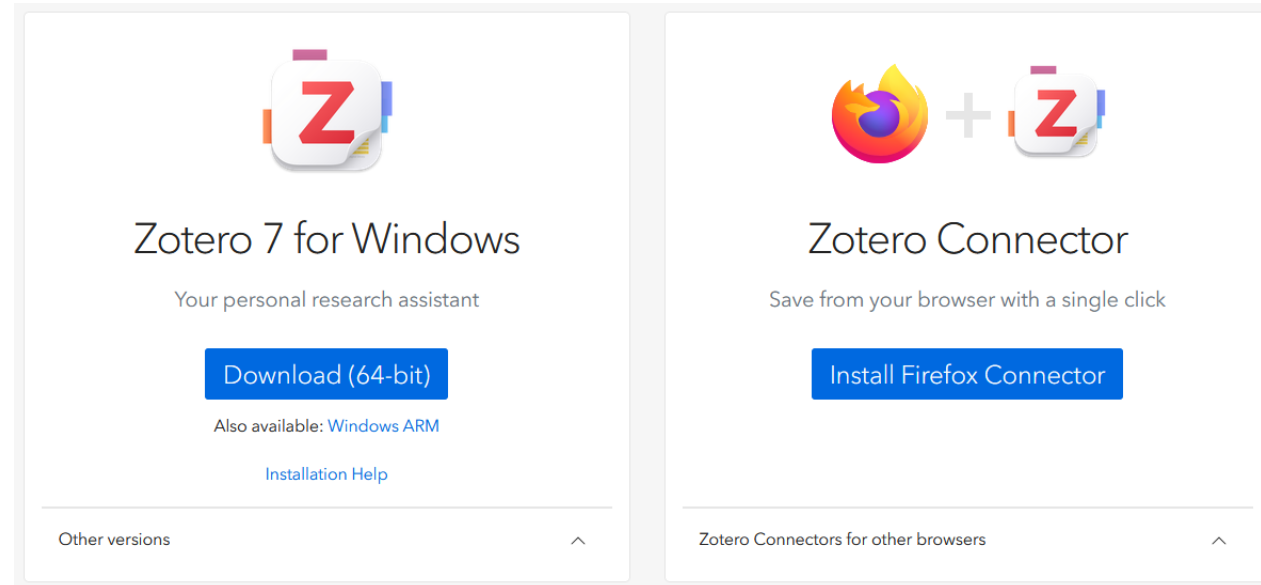
## Disadvantages



- Low free online storage space (300 MB)

# Zotero: Download and Installation

- **Download Zotero** and **Browser Extension (Zotero Connector)**: <https://www.zotero.org/download/>



Not recommended for Safari

# Zotero Registration


<https://www.zotero.org/user/register>

## Register

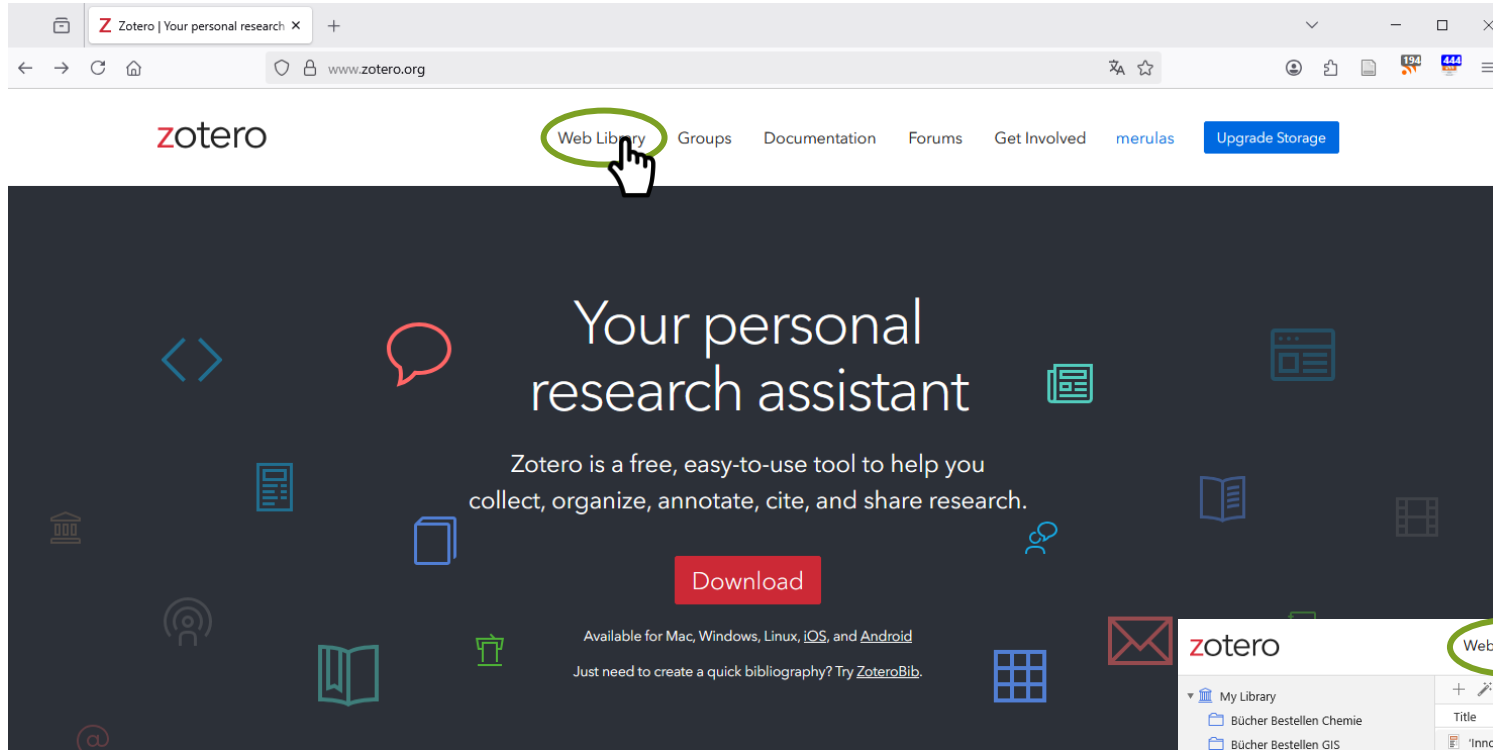
If you haven't already created a Zotero account, please take a few moments to register now. It's a **free** way to [sync and access your library from anywhere](#), and it lets you join [groups](#) and [back up all your attached files](#).

https://www.zotero.org/<username>  
Username must be at least 3 characters and may only use upper and lower case letters, numbers, ., \_ or -

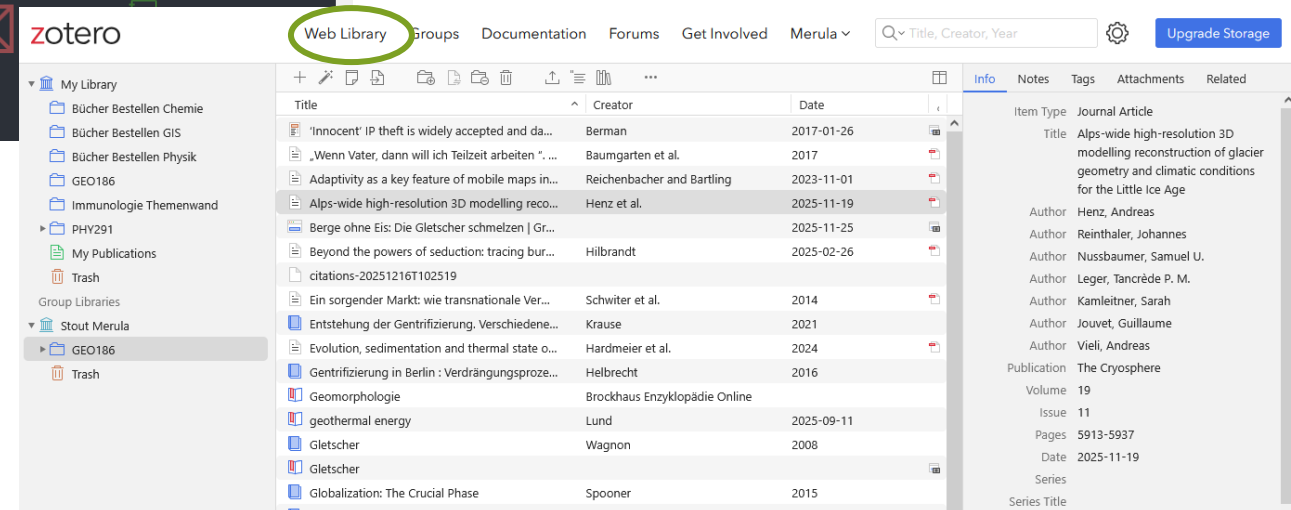
Value is required and can't be empty

Erfolg!   
Cloudflare  
Privatsphäre  
Nutzungsbedingungen

# Web-based user interface (Zotero web client)



- It is possible to add and/or edit data via the website (Web Library), but this is better done using the desktop version.
- The personalised Zotero website contains all data stored in the Zotero desktop client, provided that the data are automatically synchronized.



# Web-based user interface: Documentation

The screenshot shows the Zotero web interface. The top navigation bar includes 'Web Library', 'Groups', 'Documentation' (circled in green with a hand cursor), 'Forums', 'Get Involved', and 'Merula'. A search bar on the right contains the text 'Title, Creator, Year'. Below the navigation bar is a toolbar with various icons for document management. The main content area is divided into a table of items and a right-hand sidebar for item details.

Title	Creator	Date
'Innocent' IP theft is widely accepted and da...	Berman	2017-01-26
„Wenn Vater, dann will ich Teilzeit arbeiten “. ...	Baumgarten et al.	2017
Adaptivity as a key feature of mobile maps in...	Reichenbacher and Bartling	2023-11-01
Alps-wide high-resolution 3D modelling reco...	Henz et al.	2025-11-19
Berge ohne Eis: Die Gletscher schmelzen   Gr...		2025-11-25
Beyond the powers of seduction: tracing bur...	Hilbrandt	2025-02-26
citations-20251216T102519		
Ein sorgender Markt: wie transnationale Ver...	Schwiter et al.	2014
		2021
		2024

The right-hand sidebar shows details for the selected item:

- Item Type: Journal Article
- Title: Alps-wide high-resolution 3D modelling reconstruction of glacier geometry and climatic conditions for the Little Ice Age
- Author: Henz, Andreas
- Author: Reinthaler, Johannes
- Author: Nussbaumer, Samuel U.
- Author: Leger, Tancredè P. M.
- Author: Kamleitner, Sarah
- Author: Jouvet, Guillaume
- Author: Vieli, Andreas

A 'Documentation' modal window is open in the foreground, containing the following content:

**Quick Links**

- [Installation](#)
- [Quick Start Guide](#)
- [Getting Help](#)
- [Zotero Storage Subscriptions](#)
- [Frequently Asked Questions](#)
- [Version History](#)
- [System Requirements](#)
- [For Developers](#)

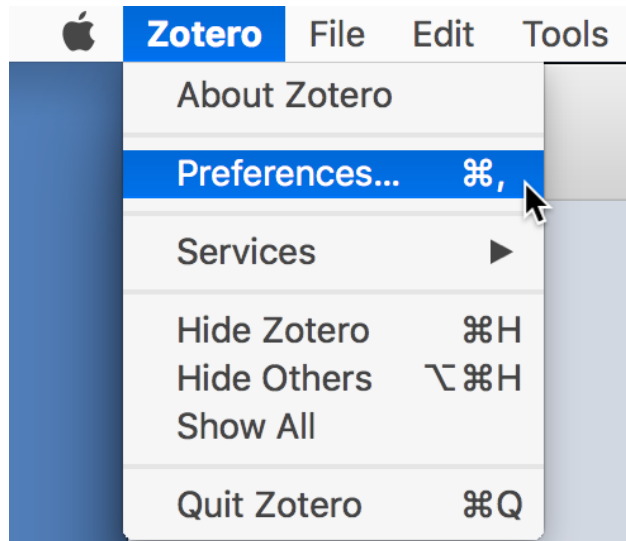
**Using Zotero**

- Getting Stuff Into Your Library**
  - [Adding Items](#)
  - [Adding Files](#)
  - [Feeds](#)
  - [Retrieve PDF Metadata](#)
  - [Importing from Other Reference Managers](#)
- Organizing Your Library and Taking Notes**
  - [Collections and Tags](#)
  - [Searching](#)

# Settings in Zotero Desktop App

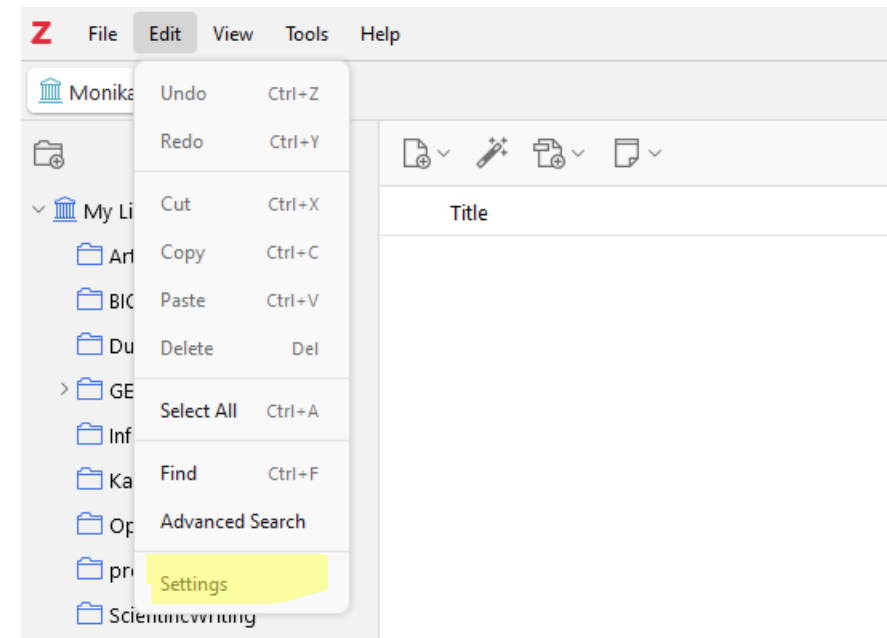
## Mac OS

→ Über «Zotero» auf «**Preferences**»



## Windows

→ Über «Edit» auf «**Settings**»



# Settings: Appearance, Language, File Handling, Resolver...

Zotero Settings

General

Search

General

Appearance and Language

Color Scheme:  Automatic  Light  Dark

Language: English (UK) ▾

Item Pane Header: Title ▾

File Handling

- Automatically attach associated PDFs and other files when saving items
- Automatically retrieve metadata for PDFs and ebooks
- Automatically take snapshots when creating items from web pages

«automatically take snapshots» and «automatically attach PDFs»  
If they are enabled, all files linked to a bibliographic entry are also included. This is generally useful, but it consumes a lot of storage space.

With the URL resolver, you can access UZH-licensed journal articles from off campus.

General

Search

General

Enable automatic hyphenation

Locate

Library Lookup can find a resource online using your library's OpenURL resolver.

Resolver: Zurich University ▾

Base URL: https://slsp-uzb.primo.exlibrisgroup.com/openurl/41SLSP\_UZB/41SLSP\_UZB:UZB

Under “Resolver,” search for Zurich University, and the link will then be inserted automatically.

Title	Creator	Year	Loc. in Ar...
Gletscher	Wagnon	2008	
The Neighborhood Story Project: PAR as Narra...	Thurber	2024	
Globalization: The Crucial Phase	Spooner	2015	
Warum sind Pflegefachmänner und Elektrikerin...	Schwiter et ...	2014	
Migration und Ankommen: die Chancen der Flü...	Pries	2016	
Simulating silver fir provenance responses to c...	Oggioni et ...	2026	
geothermal energy	Lund	2025	
Remote Sensing	Lindensch...	2024	
Entstehung der Gentrifizierung. Verschiedene ...	Krause	2021	
Extreme flood deposits in the Roya Valley duri...	Kerverdo e...	2026	
Gentrifizierung in Berlin : Verdrängungsprozess...	Helbrecht	2016	

Gentrifizierung in Berlin : Verdrängungsprozesse und Bleibestrategien

verarrangungsprozesse und Bleibestrategien

Author Helbrecht, Ilse

Series Urban Studies

Series Number

Volume

# of Volumes

Edition 1st ed.

Date 2016

Publisher transcript Verlag

Place Bielefeld

Original Date

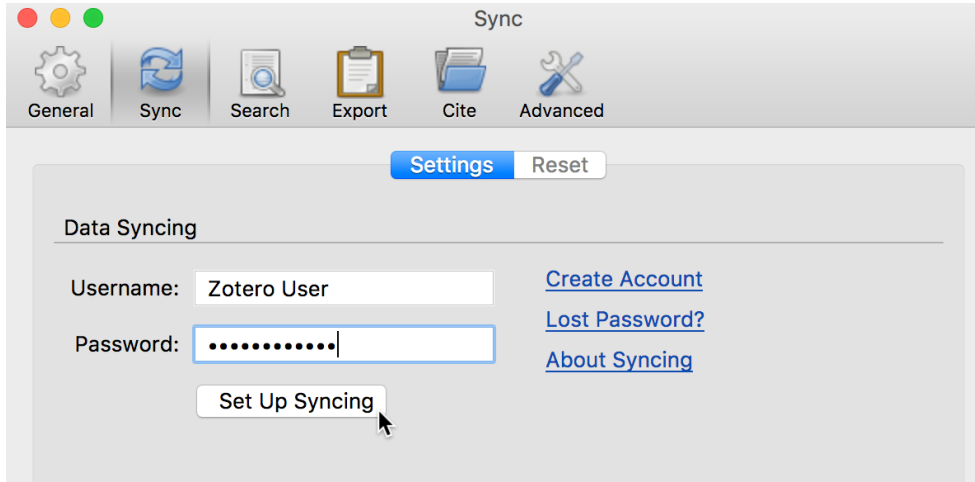
Original Publisher

Original Place

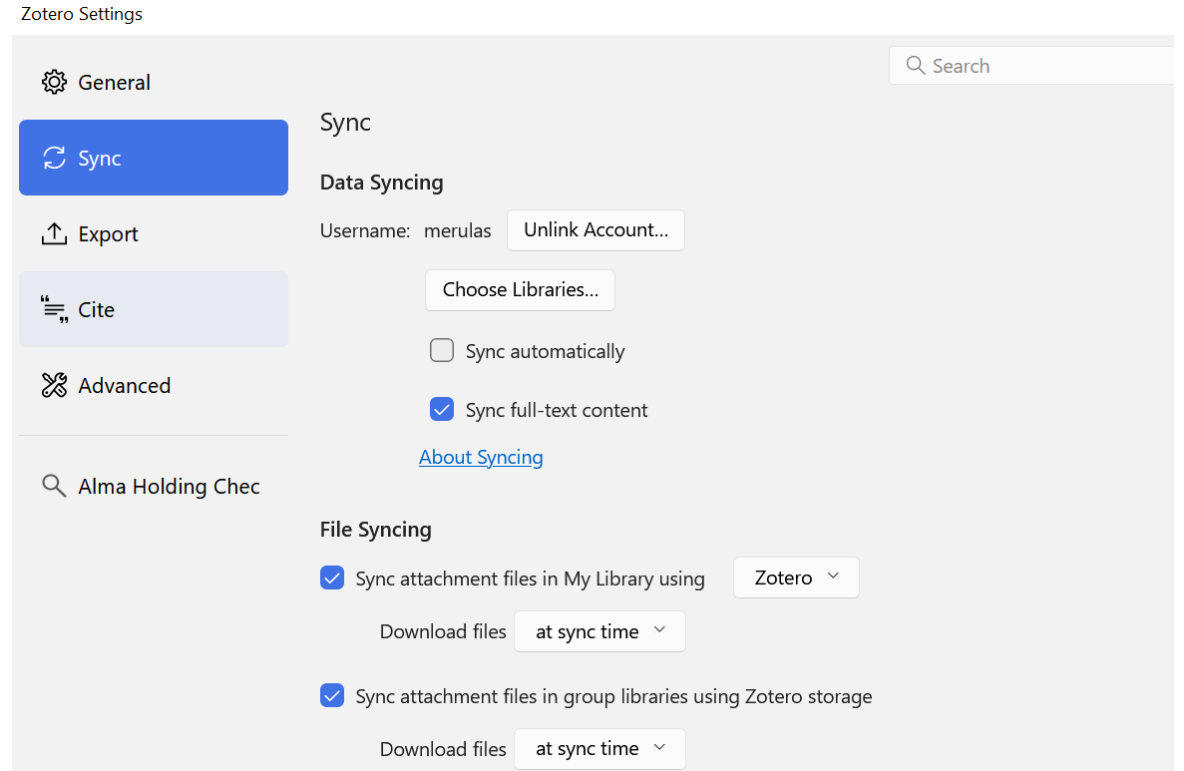
Click here to be forwarded

# Settings: Data synchronizing of Zotero-Desktop and Zotero-Web

## Mac OS



## Windows



# Citation Style

- Which citation style does my discipline usually use?
- Which citation style is required by the journal in which I intend to publish?

Zotero Settings

General

Sync

Export

**Cite**

Advanced

Alma Holding Check

Cite

Style Manager

Title	Updated
American Chemical Society	13/11/2022
American Institute of Physics 4th edition	27/03/2024
American Medical Association 11th edition	26/08/2025
American Physical Society	10/02/2025
American Political Science Association	16/03/2024
<b>American Psychological Association 7th edition</b>	<b>22/01/2025</b>
American Sociological Association 6th/7th edition	30/06/2025
Chicago Manual of Style 18th edition (author-date)	07/09/2025

[Get additional styles...](#)

Citation Options

Include URLs of paper articles in references

When this option is disabled, Zotero includes URLs when citing journal, magazine, and newspaper articles only if the article does not have a page range specified.

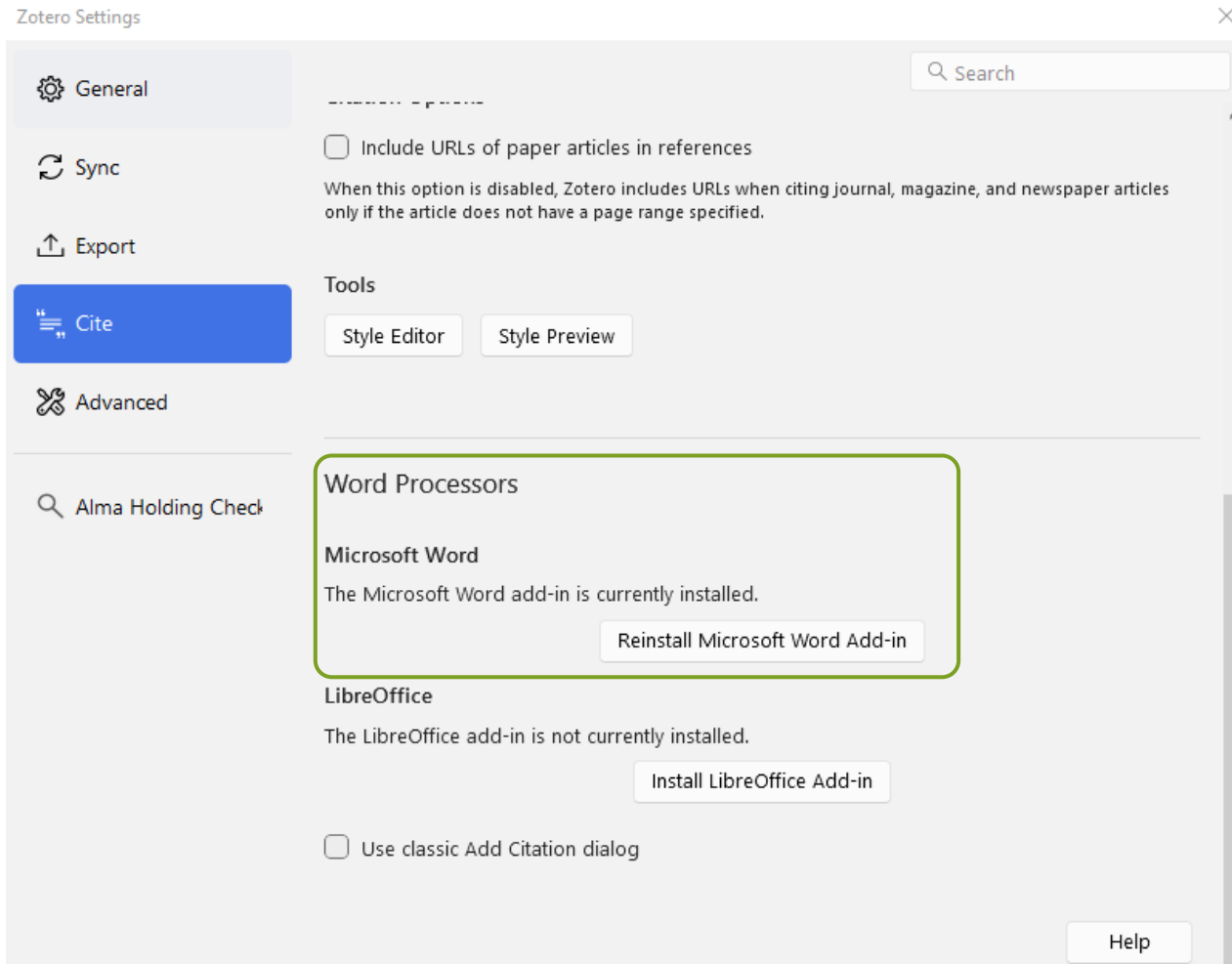
Tools

Style Editor

Style Preview

# Word or LibreOffice Plugin

- Word Plugin is automatically added upon installation
- In case this does not happen and you cannot see this button: [word\\_processor\\_plugin\\_installation \[Zotero Documentation\]](#)



Zotero Settings

General

Sync

Export

Cite

Advanced

Alma Holding Check

Word Processors

Microsoft Word

The Microsoft Word add-in is currently installed.

Reinstall Microsoft Word Add-in

LibreOffice

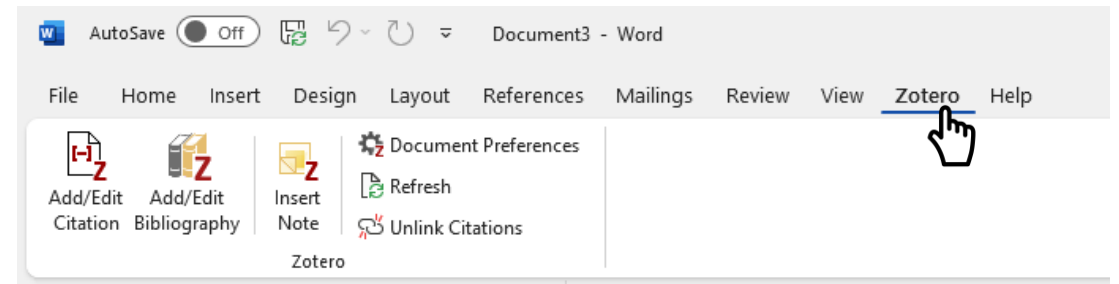
The LibreOffice add-in is not currently installed.

Install LibreOffice Add-in

Use classic Add Citation dialog

Help

## In Microsoft Word:



AutoSave Off

Document3 - Word

File Home Insert Design Layout References Mailings Review View **Zotero** Help

Add/Edit Citation Add/Edit Bibliography Insert Note

Document Preferences Refresh Unlink Citations

Zotero

# Data storage location

Zotero Settings ×

General ⚙️

Sync ↻

Export ↑

Cite ☰

**Advanced ⚙️**

Alma Holding Check 🔍

Zotero will use relative paths for linked file attachments within the base directory, allowing you to access files on different computers as long as the file structure within the base directory remains the same.

Base directory:  Choose...

Revert to Absolute Paths...

### Data Directory Location

Data directory:

Show Data Directory Use Custom Location...

### Database Maintenance

Check Database Integrity Reset Translators... Reset Styles...

# User interface Zotero desktop app

Synchronisation  
with Online Version

The screenshot displays the Zotero desktop application interface. On the left, a sidebar shows a tree view of collections, with 'GEO186' selected. The main pane shows a list of items with columns for Title, Creator, and Year. The item 'Machine learning-based multimodal data fusion for the Swiss land use statistics' is selected. On the right, a detailed view of this item is shown, including its title, authors (Meyer, Adrian; Milani, Gillian; Lack, Natalie; Schönholzer, Maria; Jordan, Denis), publication (European Journal of Remote Sensing), volume (58), issue (1), pages (2508420), date (2025-05-23), and DOI (10.1080/22797254.2025.2508420). A red arrow points to the 'Synchronisation with Online Version' button in the top right corner of the application window.

Title	Creator	Year
> Alps-wide high-resolution 3D modelling reconstruction of glacie...	Henz et al.	2025
> Beyond the powers of seduction: tracing bureaucratic agency in...	Hilbrandt	2025
> Evolution, sedimentation and thermal state of the emerging pro...	Hardmeier et al.	2024
> Identifying Subsurface Connectivity From Observations: Experim...	Bishop et al.	2024
> Literaturverwaltungsprogramme		
> Machine learning-based multimodal data fusion for the Swiss la...	Meyer et al.	2025
> Making climate finance: toward everyday, historically informed, ...	Kear et al.	2025
> Naturgefahren im Zusammenhang mit Gletscherschmelze und Kl...	Huggel	2024
> Research articles in the GPT era	Adams et al.	2024
> Spatial Information Science in 2023	Adams et al.	2023
> Value of water level class observations for parameter set selecti...	Clerc-Schwarzenba...	2025
> Variability and temporal stability of throughfall along a hillslope	Verdone et al.	2025

**Machine learning-based multimodal data fusion for the Swiss land use statistics**

Info

Item Type: Journal Article

Title: Machine learning-based multimodal data fusion for the Swiss land use statistics

Author: Meyer, Adrian

Author: Milani, Gillian

Author: Lack, Natalie

Author: Schönholzer, Maria

Author: Jordan, Denis

Publication: European Journal of Remote Sensing

Volume: 58

Issue: 1

Pages: 2508420

Date: 2025-05-23

Series:

Series Title:

Series Text:

Journal Abbr:

Language:

DOI: 10.1080/22797254.2025.2508420

ISSN: null

Short Title:

# User interface Zotero desktop app

The screenshot displays the Zotero desktop application interface. At the top, there are two tabs: 'Collections' (highlighted in blue) and 'Reference Entries' (highlighted in pink). Below the tabs, the main window is divided into three sections:

- Left Panel (Collections):** Shows a tree view of collections. The 'GEO186' collection is selected and highlighted. Other collections include 'My Library', 'PHY291', 'My Publications', and 'Stout Merula'.
- Center Panel (Reference Entries):** A table listing reference entries. The entry 'Machine learning-based multimodal data fusion for the Swiss la...' by Meyer et al. (2025) is selected and highlighted in blue. The table has columns for Title, Creator, and Year.
- Right Panel (Info):** A detailed view of the selected entry. It shows the title 'Machine learning-based multimodal data fusion for the Swiss land use statistics', authors (Meyer, Adrian; Milani, Gillian; Lack, Natalie; Schönholzer, Maria; Jordan, Denis), publication 'European Journal of Remote Sensing', volume 58, issue 1, pages 2508420, and date 2025-05-23.

Title	Creator	Year
> Alps-wide high-resolution 3D modelling reconstruction of glacie...	Henz et al.	2025
> Beyond the powers of seduction: tracing bureaucratic agency in...	Hilbrandt	2025
> Evolution, sedimentation and thermal state of the emerging pro...	Hardmeier et al.	2024
> Identifying Subsurface Connectivity From Observations: Experim...	Bishop et al.	2024
> Literaturverwaltungsprogramme		
> Machine learning-based multimodal data fusion for the Swiss la...	Meyer et al.	2025
> Making climate finance: toward everyday, historically informed, ...	Kear et al.	2025
> Naturgefahren im Zusammenhang mit Gletscherschmelze und Kl...	Huggel	2024
> Research articles in the GPT era	Adams et al.	2024
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**Machine learning-based multimodal data fusion for the Swiss land use statistics**

Info

Item Type: Journal Article

Title: Machine learning-based multimodal data fusion for the Swiss land use statistics

Author: Meyer, Adrian

Author: Milani, Gillian

Author: Lack, Natalie

Author: Schönholzer, Maria

Author: Jordan, Denis

Publication: European Journal of Remote Sensing

Volume: 58

Issue: 1

Pages: 2508420

Date: 2025-05-23

Series:

Series Title:

Series Text:

Journal Abbr:

Language:

DOI: 10.1080/22797254.2025.2508420

ISSN: null

Short Title:

# User interface Zotero desktop app

The screenshot displays the Zotero desktop application interface. At the top, there are three tabs: 'Collections' (highlighted in blue), 'Reference Entries' (highlighted in pink), and 'Item panel' (highlighted in green). The 'Reference Entries' tab is active, showing a list of items in a table with columns for Title, Creator, and Year. The item 'Machine learning-based multimodal data fusion for the Swiss land use statistics' by Meyer et al. (2025) is selected and highlighted in blue. The 'Item panel' on the right shows the metadata for this selected item, including its title, authors (Meyer, Adrian; Milani, Gillian; Lack, Natalie; Schönholzer, Maria; Jordan, Denis), publication (European Journal of Remote Sensing), volume (58), issue (1), pages (2508420), date (2025-05-23), and DOI (10.1080/22797254.2025.2508420).

Title	Creator	Year
> Alps-wide high-resolution 3D modelling reconstruction of glacie...	Henz et al.	2025
> Beyond the powers of seduction: tracing bureaucratic agency in...	Hilbrandt	2025
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> Literaturverwaltungsprogramme		
> Machine learning-based multimodal data fusion for the Swiss la...	Meyer et al.	2025
> Making climate finance: toward everyday, historically informed, ...	Kear et al.	2025
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> Research articles in the GPT era	Adams et al.	2024
> Spatial Information Science in 2023	Adams et al.	2023
> Value of water level class observations for parameter set selecti...	Clerc-Schwarzenba...	2025
> Variability and temporal stability of throughfall along a hillslope	Verdone et al.	2025

**Item panel metadata:**

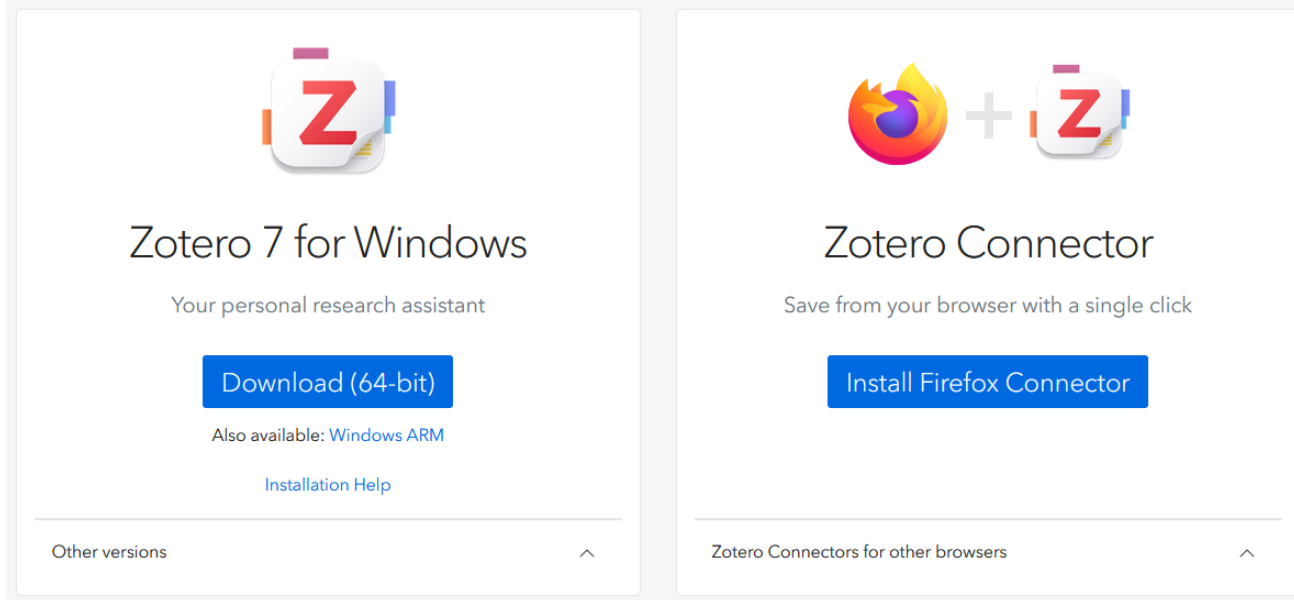
- Item Type: Journal Article
- Title: Machine learning-based multimodal data fusion for the Swiss land use statistics
- Author: Meyer, Adrian
- Author: Milani, Gillian
- Author: Lack, Natalie
- Author: Schönholzer, Maria
- Author: Jordan, Denis
- Publication: European Journal of Remote Sensing
- Volume: 58
- Issue: 1
- Pages: 2508420
- Date: 2025-05-23
- Series:
- Series Title:
- Series Text:
- Journal Abbr:
- Language:
- DOI: 10.1080/22797254.2025.2508420
- ISSN: null
- Short Title:

Metadata of reference (title, author, journal, year, page numbers, DOI)

DOI = digital object identifier  
Always remains the same (as opposed to URLs, which sometimes don't work anymore)

# Import References: Zotero Connector

- **Download Zotero** and **browser extension (Zotero Connector)**: <https://www.zotero.org/download/>



The screenshot displays two side-by-side panels from the Zotero website. The left panel is titled 'Zotero 7 for Windows' and features the Zotero logo (a red 'Z' on a white notepad icon). Below the title, it says 'Your personal research assistant'. A prominent blue button reads 'Download (64-bit)'. Underneath, it notes 'Also available: Windows ARM' and provides a link for 'Installation Help'. At the bottom left, there is a link for 'Other versions' with an upward arrow. The right panel is titled 'Zotero Connector' and features the Firefox logo (a colorful flame) followed by a plus sign and the Zotero logo. Below the title, it says 'Save from your browser with a single click'. A prominent blue button reads 'Install Firefox Connector'. At the bottom left, there is a link for 'Zotero Connectors for other browsers' with an upward arrow.

# Zotero: Add references via Zotero connector

- **Download Zotero** and **browser extension (Zotero connector)**: <https://www.zotero.org/download/>

→ You can add Literature while browsing on the internet to Zotero

1. Click on icon

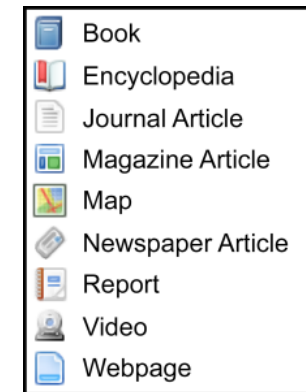


2. «Save to Zotero»

→ Import reference & add to desired collection

3. Check entry and edit if necessary

The icon looks different depending on the type of resource:

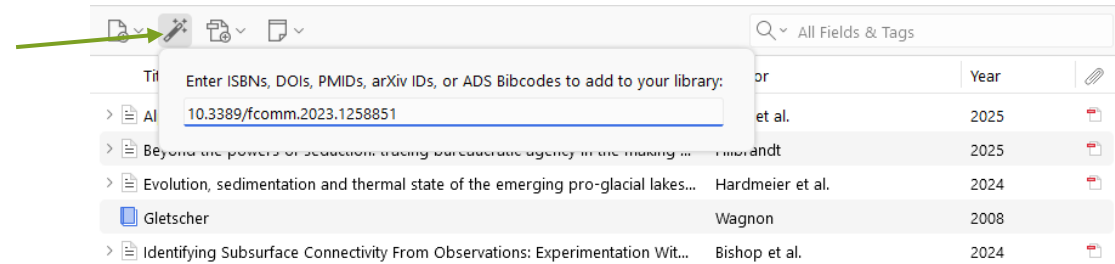


**Always check the imported data and make sure it is correct. Especially with older literature, automatic extraction may be less reliable and errors in the imported data will later appear in your bibliography.**

# Zotero: Add references via magic wand tool

If you know the identifier (ISBN, DOI, PubMed ID oder arXiv ID, etc.) you can add the reference with the magic wand tool

1. Click on «Add items by identifier»
2. Insert identifier and click enter
  - Import reference
  - Add to desired collection
3. Check entry and correct if necessary



# Import PDF files: parent item

## Add the file as a separate reference

Drag the PDF file into desired collection (into the middle column with references) → the entry and metadata are retrieved automatically  
Alternatively: Add File... → Select the PDF → metadata are added automatically

**1.** A context menu is shown with the following options: Add File..., Add Link to File..., Attach File..., Attach Link to File..., Attach Web Link... The 'Add File...' option is highlighted.

**2.** A file explorer window titled 'Select a File' is shown. The current directory is 'Downloads'. A file named 'ica-proc-5-3-2023.pdf' is selected. The file size is 11.12.2025 10:49. The 'Dateiname' field contains 'ica-proc-5-3-2023.pdf' and the file type is 'All Files (\*.\*)'. The 'Öffnen' button is highlighted.

**3.** A metadata panel for the file 'The visual complexity of bike maps' is shown. The metadata includes:

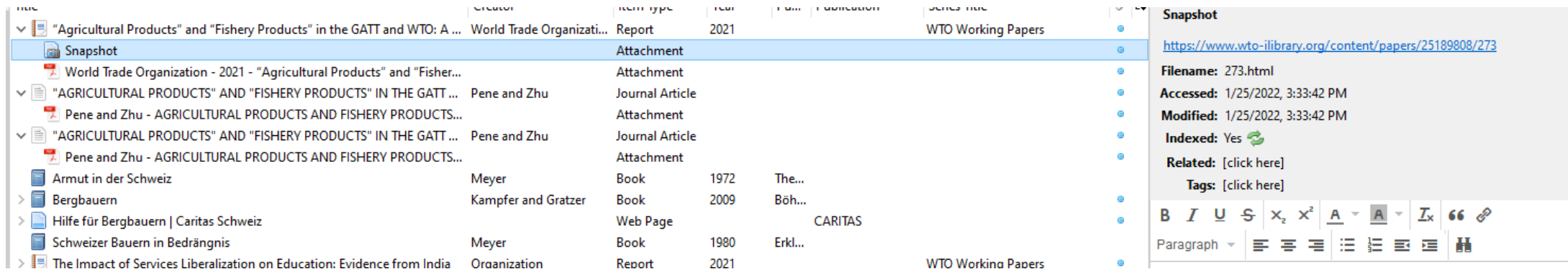
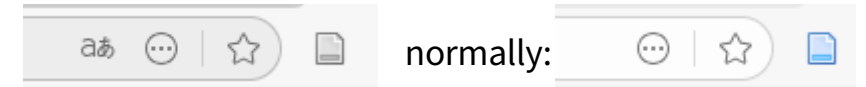
- Item Type: Journal Article
- Title: The visual complexity of bike maps
- Author: Büchel, Donat
- Author: Reichenbacher, Tumasch
- Publication: Proceedings of the ICA
- Volume: 5
- Issue
- Pages: 1-8
- Date: 2023-08-07
- Series
- Series Title
- Series Text
- Journal Abbr: Proc. Int. Cartogr. Assoc.
- Language: en
- DOI: 10.5194/ica-proc-5-3-2023

# Import of information from websites

Some websites do not contain information that Zotero can recognize.

On these sites, the «Save» button shows a gray webpage icon.

1. By clicking «Save» Zotero imports the page as a webpage item with a title, a URL, and an access date.
2. Check the reference and edit it if necessary

The screenshot shows the Zotero library interface. On the left, a list of items is displayed with columns for title, creator, item type, year, and publication. The first item is a report from the World Trade Organization (2021) titled '"Agricultural Products" and "Fishery Products" in the GATT and WTO: A ...'. Below it is a 'Snapshot' item, which is an attachment of the report. Other items include journal articles by Pene and Zhu, books by Meyer and Kampfer and Gratzner, and a web page from Caritas. On the right, a detailed view of the 'Snapshot' item is shown, including the URL 'https://www.wto-ilibrary.org/content/papers/25189808/273', the filename '273.html', the access date '1/25/2022, 3:33:42 PM', and the modified date '1/25/2022, 3:33:42 PM'. The view also shows that the item is indexed and has related and tag links.

When «Automatically take snapshots when creating items from web pages» is enabled in the «General» tab of the Zotero settings, a copy (snapshot) of the website is saved on your computer and added as a child item.

# Import of websites, tricks for finding data

## Citing of websites

How can I find author/organization and title of a website?

«Display page info»

Instead of the author you could also state the name of the organization, the project or the company that runs the website



Depends on browser → check how to do it with your browser

You may need to adapt the reference in Zotero if it is not completely correct after import!



```
25 <link rel="schema.dcterms" href="https://purl.org/dc/terms/" />
26 <meta name="dcterms.creator" content="Sarah Hill" lang="en" />
27 <meta name="dcterms.created" content="2017-05-04" lang="en" />
28 <meta name="dcterms.modified" content="2017-05-04" lang="en" />
29 <meta name="dcterms.description" content="Advice on why, when and how to reference corr
30 <meta name="dcterms.format" content="text/html" lang="en" />
```

Sarah Hill, *Referencing Explained*, <https://library.leeds.ac.uk/info/1402/referencing/47/referencing-explained>.

# Edit entries

## Check data and edit entries

- Editing items
- Verify and edit records = correct metadata

### Verify and Edit Your Records

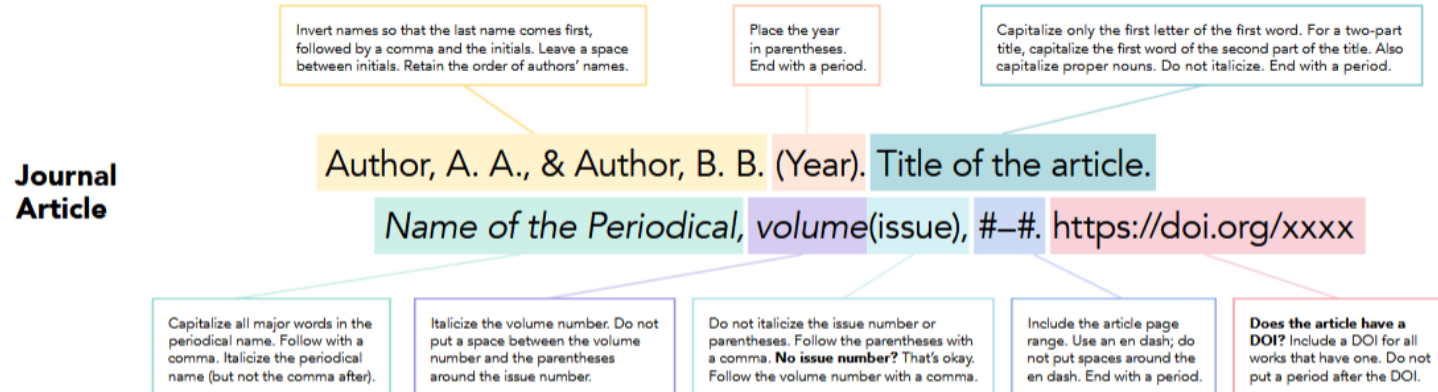
When using Zotero — or any other reference manager — for citing, you should always check items for accuracy after saving them to your library.

Zotero will accurately import metadata supplied by most bibliographic databases, library catalogs, publisher sites, and webpages. It will even make adjustments to the metadata to compensate for known quirks (e.g., author names in all upper case) in what the supplier provides.

That said, sometimes the metadata that Zotero receives is incomplete or incorrect. For example, one major academic search site often provides the wrong serial name with otherwise correct metadata. Another scholarly research site's metadata can omit some of the authors' names or present them in the wrong order. Even major publishers sometimes omit important metadata fields.

Zotero Documentation (2025, February 27) *Adding Items to Zotero*.  
[https://www.zotero.org/support/adding\\_items\\_to\\_zotero](https://www.zotero.org/support/adding_items_to_zotero)

Example: American Psychological Association (APA) 7<sup>th</sup> (Reference Quick Guide (apa.org))

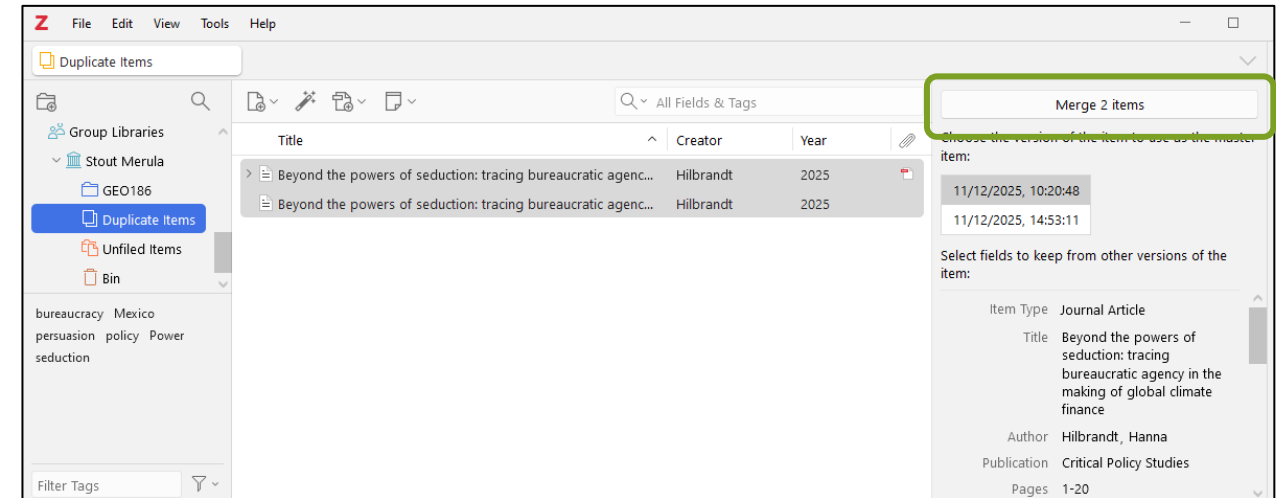
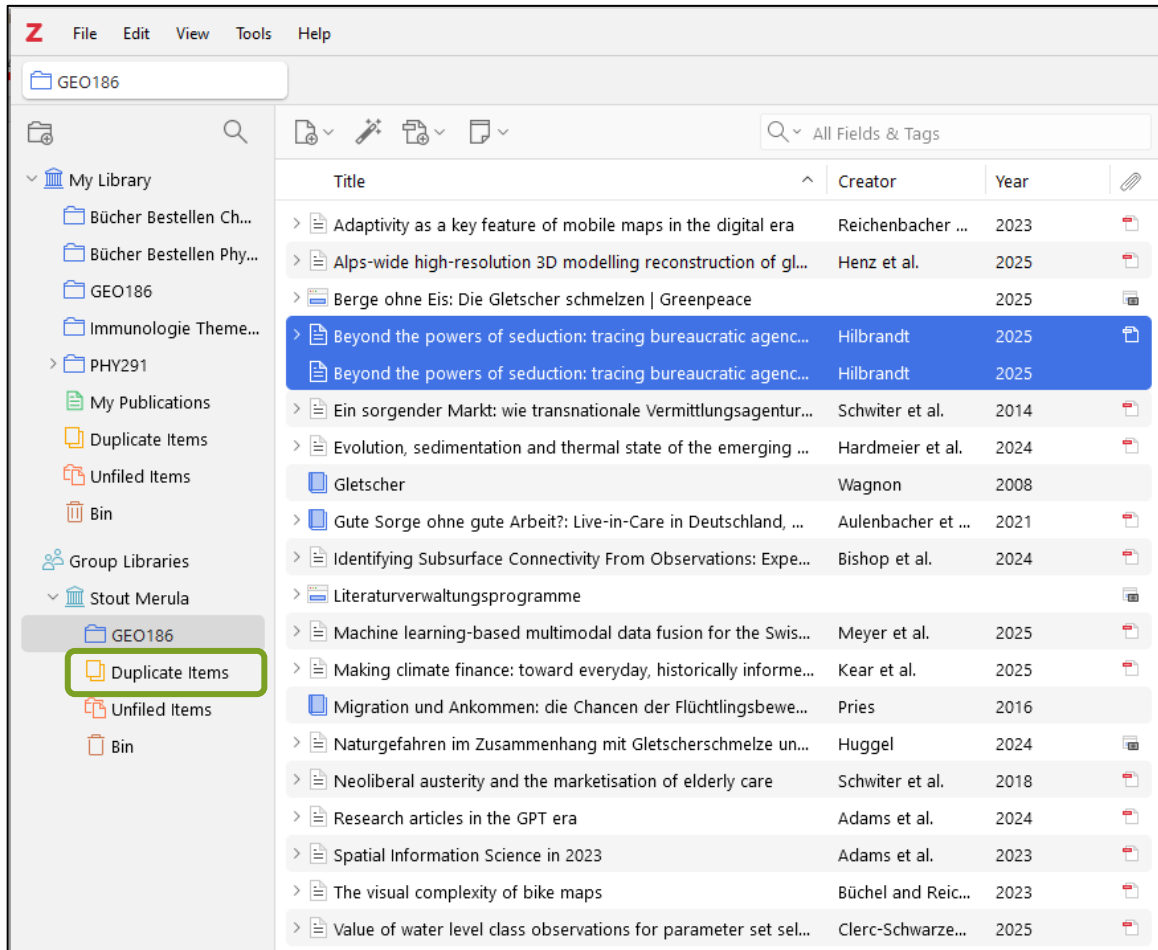


# Summary: importing references

- [adding items to zotero](#) [Zotero Documentation]
- [Zotero Connector \(Browser Add-on\)](#)
- [Objekt via ISBN/DOI aufnehmen \(mit Zauberstab-Icon\)](#)
- [PDFs \(pulling citations from desktop into Zotero = drag and drop\)](#)
- [Mehrere Einträge aus Online-Katalogen gleichzeitig übernehmen](#)
- [Webseiten aufnehmen](#)
- [Lokale Aufnahme von Objekten](#)

# Organising references: remove duplicate items

→ In the folder “Duplicate Items”



It is always better to merge duplicates instead of deleting an entry → data could be lost otherwise

More information: [Duplicate detection](#)

# Zotero Reader & Note Editor

Notes that were added to the PDF

Built-in tool to read and edit PDFs

Use notes for citations (add item notes / item notes from your annotations to your references)

The screenshot displays the Zotero Reader & Note Editor interface. At the top, a menu bar includes File, Edit, View, Go, Tools, and Help. Below the menu, a toolbar contains various icons for navigation and editing. The main window shows a PDF document titled "Remote sensing of the Earth's soil color in s...". The document content includes an abstract and an introduction section. Annotations are visible in the form of yellow sticky notes and highlighted text. A sidebar on the left shows a list of pages with their respective annotations. A sidebar on the right shows a list of notes, including item notes and annotations.

File Edit View Go Tools Help

Unfiled Items Remote sensing of the Ear X

2 / 15

Mark up tools: highlight and comment text

ARTICLE INFO

Edited by Jing M. Chen

Keywords:  
Soil spectroscopy  
Spectral library  
Color space models  
Remote sensing  
Landsat  
Soil spatio-temporal monitoring

Abstract

Soil color is a key indicator of soil properties and conditions, exerting influence on both agronomic and environmental variables. Conventional methods for soil color determination have come under scrutiny due to their limited accuracy and reliability. In response to these concerns, we developed an innovative system that leverages 35 years of satellite imagery in conjunction with in-situ soil spectral measurements. This approach enables the creation of a global soil color map with a fine spatial resolution of 30 m x 30 m. The system initially identifies bare earth areas worldwide using reflectance bands acquired from Landsat 4 through Landsat 8 between 1985 and 2020. Soil color was quantified using the CIE-XYZ coordinates, utilizing 8005 soil spectral measurements within the visible range (380–780 nm) as ground truth data. We established transfer functions to convert Landsat reflectance bands to standardized XYZ color coordinates. These transfer functions were subsequently applied to images of bare surfaces, covering approximately 38.5% of the Earth's surface. We validated the resulting global soil color map using statistical indices derived from an independent set of ground-truth spectral data, demonstrating a high degree of agreement. By creating the world's first global soil color map, we have set a baseline for future spatial and temporal monitoring of soil conditions, thus enhancing our understanding and management of our planet's vital soil resources.

1. Introduction

Soil color is a fundamental indicator of soil characteristics and conditions, reflecting soil's chemical, physical, and biological properties and processes (Ibáñez-Asensio et al., 2013; Ketterings and Bigham, 2000; Schmidt and Ahn, 2021). Key factors influencing soil color include organic matter (which darkens the soil), calcium carbonates (resulting in a white hue), iron oxide (which can give a red or yellow color), and the size distribution of particles and aggregates (leading to a range of dark and bright colors). Additionally, water affects soil color both directly—by absorbing light energy (Ishida et al., 1991) — and indirectly, by influencing other soil properties, such as iron reduction (Schwertmann, 2015). Soil color is a useful indicator for understanding (Mouazen et al., 2007; Stiglitz et al., 2016). It has been shown (Shields et al., 1966) that the three indices of the Munsell color system (i.e., the hue, value and chroma) correlate with spectral reflectance in the visible spectrum. Using this principle, several studies (Gholizadeh et al., 2020; Mouazen et al., 2007; Ramos et al., 2020) have used visible and infrared reflectance spectra to estimate soil color.

Almost all optical sensors mounted on satellite platforms record the data within the visible region of the electromagnetic spectrum. These spectral bands aid in image identification via the RGB composites (Escadafal, 1993). In fact, the visible bands of Landsat sensors have been used for estimating soil color since the 1990s (Escadafal et al., 1989; Mattikalli, 1997). For instance, Singh et al. (2004) mapped soil color using AVHRR data for modeling water erosion. Soil color maps obtained

Page 2

we developed an innovative system that leverages 35 years of satellite imagery in conjunction with in-situ...

Page 2

key factors influencing soil color

Page 2

Key factors influencing soil color include organic matter (which darkens the soil), calcium carbonate...

Page 3

Great figure explaining the concept

Item Notes

Remote sensing of the Earth's soil color in s...

Annotations(12/09/2024, 10:49:55)

"we developed an innovative system that leverages 35 years of satellite imagery in conjunction with in-situ soil spectral measurements. This approach enables the creation of a global soil color map with a fine spatial resolution of 30 m x 30 m." (Rizzo et al., 2023, p. 2)(Rizzo et al., 2023, p. 2) key factors influencing soil color include organic matter (which darkens the soil), calcium carbonates (resulting in a white hue), i

10:49

Remote sensing of the Earth's soil color in s...

Great figure explaining the concept

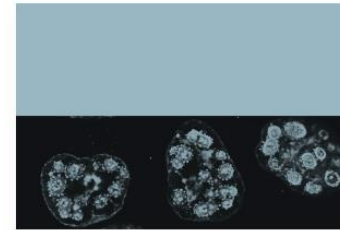
10:45

All Notes

# Library Guides

Collection of information and writing resources etc <https://www.ub.uzh.ch/en/unterstuetzung-erhalten/fachliche-unterstuetzung.html>

The screenshot shows the University Library Zurich website. The top navigation bar includes 'Library University of Zurich' and 'University Library Zurich'. Below this, there are links for 'Home', 'Contact', and 'Deutsch', along with a search icon. The main navigation menu includes 'Search & Find', 'Locations & Opening Hours', 'Subjects & Support', 'Courses & Events', 'Open Science', 'About UB', and 'UBlog'. The 'Subjects & Support' menu is expanded, showing options like 'Subjects', 'Book Librarian', 'Tutorials', and 'Systematic Review Services'. A hand cursor is pointing to 'Subjects'. Below the menu, there is a grid of subject categories: 'Social Sciences', 'Mathematics and Informatics', 'Theology and Religious Studies', 'Linguistics, Literature and Communication', 'History and Cultural Studies', 'Law and Economics', 'Natural Sciences' (highlighted in blue), 'Medicine and Healthcare', and 'All disciplines'. A search bar labeled 'Search discipline' is also visible.



## Information Resources

- Identification Key
- Library Catalogues
- E-Books
- E-Journals
- Special Databases
- Lab protocols
- Literature Databases
- Preprint Repositories
- Subject Gateways
- Academic Search Engines

## Student Resources

- Subject and Textbooks
- Educational Tools Medicine
- Link Collection AI Tools
- Getting started with your studies

## Locations

- UB Sciences (Irchel)



## Writing & Publishing

- ↓ Academic Writing Guide (IEU Institute)
- Citation Guide (TU Munich)
- Manchester Academic Phrasebank
- MNF Guidelines on AI Tools
- ↓ Fact Sheet on Plagiarism
- Reference Management Software
- Publication Funding Open Access
- Data Repositories

## How to

- Animal Research - 3Rs Best Practices
- CAMARADES Switzerland (Support for Animal Systematic Review)
- Tips for Systematic Literature Search

## Order Journal Articles

No access to the PDF? Orders of copies of individual articles are free of charge for UZH students and staff (up to a value of CHF 50)



## Quicklinks

- PubMed
- Scite.ai
- Web of Science
- ZORA
- Departments Faculty of Science

The graphic features a gold, scalloped border. Inside, the text 'il Menu' is written in a cursive font. Below the text is an illustration of a hand holding a stack of books. To the right of the graphic, there is a list of links:

- ↓ Discover our Menu (PDF, 615 KB)
- Book an Appointment
- Courses
- Walk-In Writing Support
- Systematic Review Services

# In case you need help: book an appointment



## Support and Courses

- ↓ [Discover our Menu \(PDF, 615 KB\)](#)
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- [Systematic Review Services](#)

or [naturwissenschaften@ub.uzh.ch](mailto:naturwissenschaften@ub.uzh.ch)

Contact form for expert advice

Subject specifications

Subject

Life Sciences

Type

Literature Management

Questions or thematics \*

Personal details

Name Surname \*

E-Mail \*

The form is titled 'Contact form for expert advice'. It has a section for 'Subject specifications' with two dropdown menus: 'Subject' (set to 'Life Sciences') and 'Type' (set to 'Literature Management'). Below this is a text area for 'Questions or thematics \*'. The 'Personal details' section includes a 'Name Surname \*' field and an 'E-Mail \*' field.

**Merula Stout**



**Anna Véron**



**Marco Weber**



**Barbara Schneider**



**Christine Verhoustraeten**

# Crash Course Thesis

Christine Verhoustraeten, MSc

Dr. Merula Stout

Dr. Anna C. Véron

Dr. Marco E. Weber

7. May 2026

# Content

## **Part 1:** 12:15 – 13:00

- Search Strategies & Identification and Evaluation of Sources (Christine Verhoustraeten)
- Reference Management (Merula Stout)

## **Part 2:** 13:15 – 14:00

- Citing (Merula Stout)
- Writing Tips (Anna C. Véron)
- Use of AI (Marco E. Weber)

# 3

## Citing

# When, why and what?

## When and what?

- Whenever you use an idea from someone else's work (journal article, textbook, website), you should cite the original author  
→ regardless of whether you have paraphrased, translated, summarized, or quoted directly.

## Why?

- To mention works that support or contradict your results
- Allows others to trace the sources you used.
- Refers to established methods, measurements, techniques, or theories without having to describe them in detail
- Helps prevent plagiarism by making clear which ideas are yours and which belong to someone else  
→ reusing content without citation is academic misconduct and can lead to expulsion and the revocation of academic degrees.

Sarah Hill, *Referencing Explained*, <https://library.leeds.ac.uk/info/1402/referencing/47/referencing-explained>.

# What is plagiarism?

“intellectual theft, because one presents statements or ideas of others as if they were one’s own and does not indicate this” – Uni Münster. *Was ist ein Plagiat*. <https://www.uni-muenster.de>.

1. Copying **entire texts from other authors**, regardless of whether the author is aware or not.
2. **Incomplete or missing source citation** in the text.

**Common knowledge** does not need to be cited. It is regarded as common knowledge if it is a widely accepted fact that educated readers know or can find out easily in an encyclopedia or dictionary.

Plagiarism guideline of the UZH: [Information Sheet Plagiarism](#)



Poorvu Center for Teaching and Learning. Understanding and Avoiding Plagiarism: Common Knowledge. <https://poorvucenter.yale.edu/understanding-and-avoiding-plagiarism-common-knowledge> [accessed 23.01.2026]

Image: Berman, B. (2017, January 26). ‘Innocent’ IP theft is widely accepted and dangerously viral – Why? <https://ipclosup.com/2017/01/26/innocent-ip-theft-is-widely-accepted-and-dangerously-viral-why/>

# Citing

## In general:

- Find out which citation style is required.
- Check the citation rules (e.g. <https://apastyle.apa.org/> or <https://citationsy.com/styles/nature> or [https://www.chicagomanualofstyle.org/tools\\_citationguide.html](https://www.chicagomanualofstyle.org/tools_citationguide.html) or ...),
- **Only references cited in the text should be included in the bibliography!**

## Which citation style?

- Ask your supervisor or check what is common in your discipline
- Commonly used citation styles:
  - **APA:** often used in social and health sciences
  - **Vancouver:** often used in health sciences
  - **IEEE:** mainly used in engineering, computer science or other technology disciplines
  - **Discipline-specific:** certain citation styles are preferred depending on the field e.g. ACS (American Chemical Society) in chemistry or APS (American Physical Society) in physics ([Subject-specific Resources - Citation Style Guide McGill Library](#))

Veronica Bergsten. (2025). Guides: Citation Style Guide: Citation Styles. *McGill Library*. <https://libraryguides.mcgill.ca/citations/styles>

# Examples of citation styles

Different Journals require different citation styles → check before submitting

Authors (different formats), Title, Journal, Volume, Issue, Pages, Year.

## APS (American Physical Society):

[1] J. V. Barth, H. Brune, G. Ertl, and R. J. Behm, Scanning tunneling microscopy observations on the reconstructed Au(111) surface: Atomic structure, long-range superstructure, rotational domains, and surface defects, *Phys. Rev. B* **42**, 9307 (1990).

## AIP (American Institute of Physics)

J.V. Barth, H. Brune, G. Ertl, and R.J. Behm, “Scanning tunneling microscopy observations on the reconstructed Au(111) surface: Atomic structure, long-range superstructure, rotational domains, and surface defects,” *Phys. Rev. B* **42**(15), 9307–9318 (1990).

*(alphabetically sorted)*

Or

<sup>1</sup> J.V. Barth, H. Brune, G. Ertl, and R.J. Behm, *Phys. Rev. B* **42**(15), 9307–9318 (1990)

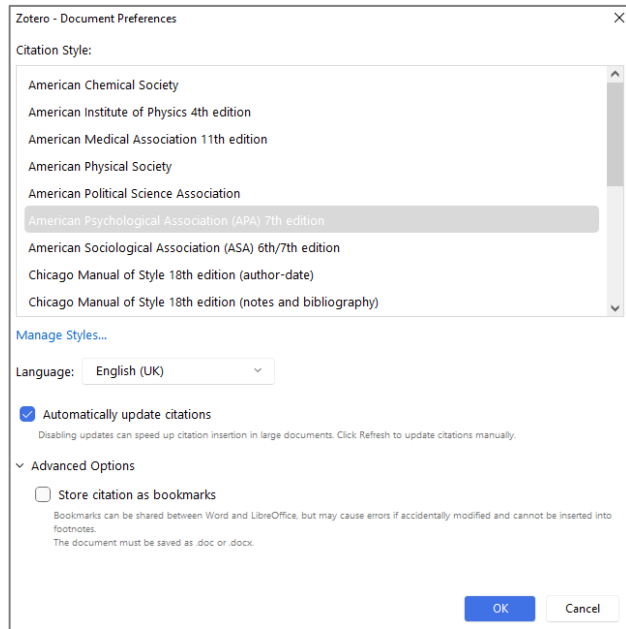
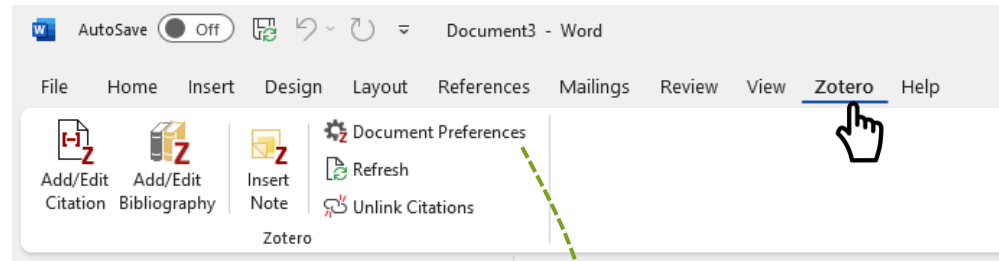
*(sorted by number)*

## Nature

1. Barth, J. V., Brune, H., Ertl, G. & Behm, R. J. Scanning tunneling microscopy observations on the reconstructed Au(111) surface: Atomic structure, long-range superstructure, rotational domains, and surface defects. *Phys. Rev. B* **42**, 9307–9318 (1990).

*(if more than 5 authors → et al.)*

# Citing in text documents and adding a bibliography



When you add the first citation, the plugin asks about which citation style you would like to use

# Citing in text documents

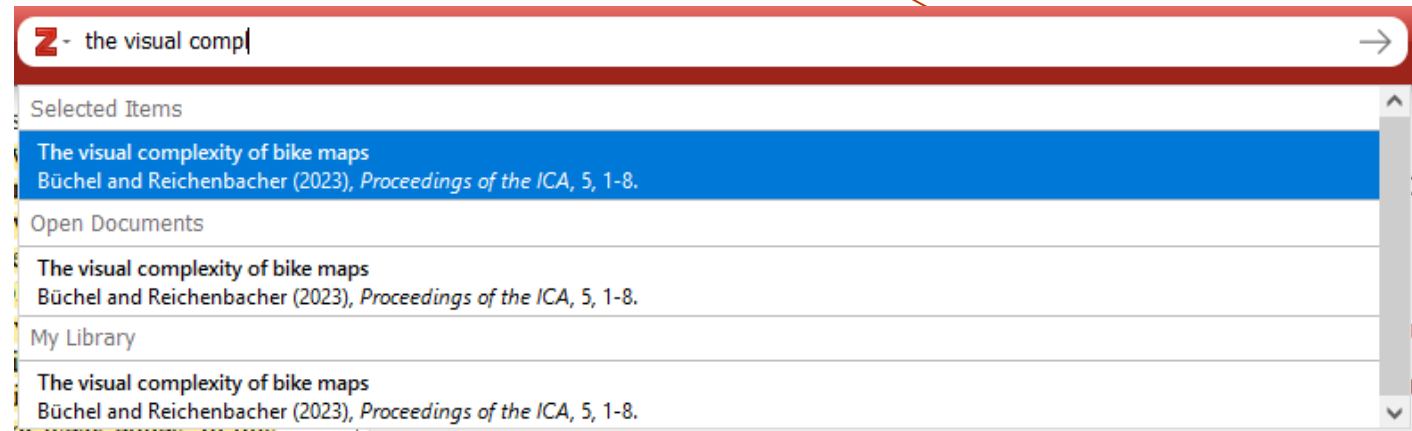
## Text snippet:

object counts were used to measure the bike maps' complexity. The measurements showed that more detail in base maps and the depiction of more cycling related features have a positive correlation with map complexity. The size, shape, and colour of the elements are considered to have the most impact on complexity measurements. When the element is large and has various boundaries, it adds more edges to the map, increasing its visual complexity. The colour contrast is crucial, as it can contribute to the creation of strong or weak edges. In this particular case, cycling related features had a smaller impact on visual complexity, as the symbols were small in size and number.

The effects of visual complexity on efficiency were

## Summary:

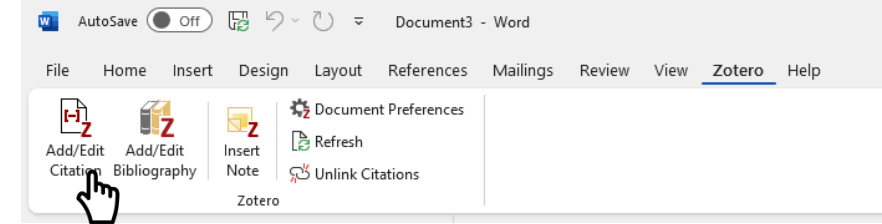
Greater detail and stronger visual properties in map elements, particularly size, shape, and colour, correlate with higher map complexity, while cycling-related features contributed little due to their small size and limited number.



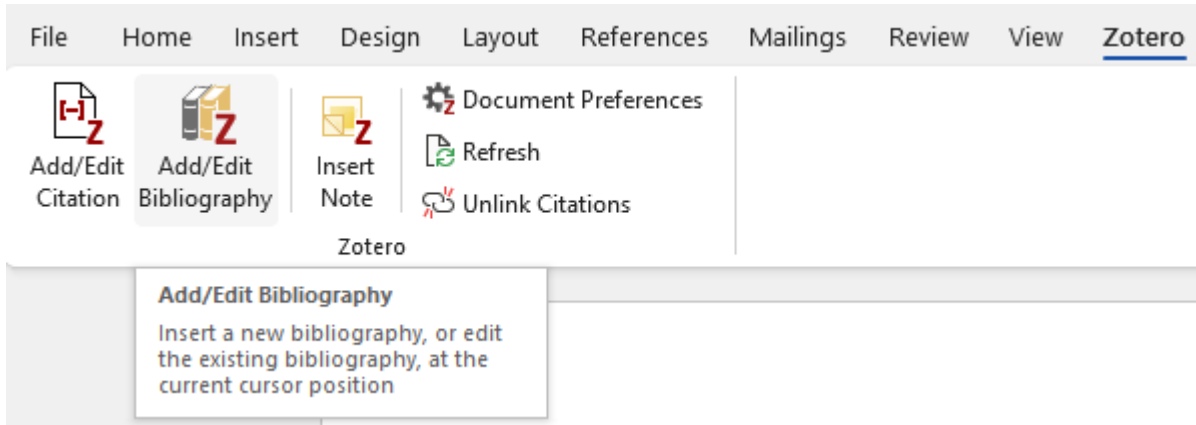
Greater detail and stronger visual properties in map elements, particularly size, shape, and colour, correlate with higher map complexity, while cycling-related features contributed little due to their small size and limited number (**Büchel & Reichenbacher, 2023**).

Selected Items: if you clicked on an entry in Zotero it will show up at «Selected Items»

Büchel, D., & Reichenbacher, T. (2023). The visual complexity of bike maps. *Proceedings of the ICA*, 5, 1-8. <https://doi.org/10.5194/ica-proc-5-3-2023>



# Add a bibliography

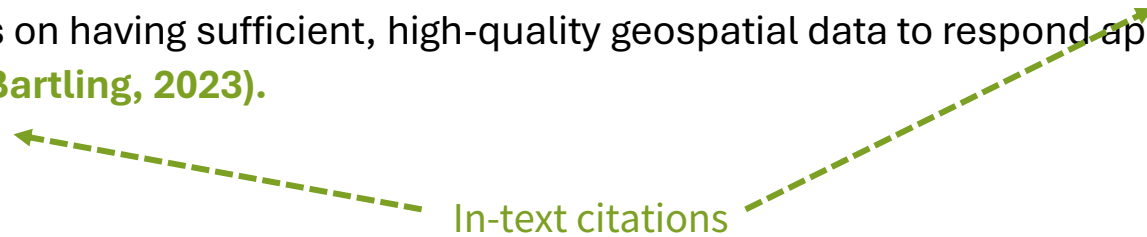


Greater detail and stronger visual properties in map elements, particularly size, shape, and colour, correlate with higher map complexity, while cycling-related features contributed little due to their small size and limited number (Büchel & Reichenbacher, 2023). The effectiveness of adaptive maps relies on having sufficient, high-quality geospatial data to respond appropriately to the identified map-use context (Reichenbacher & Bartling, 2023).

## Bibliography:

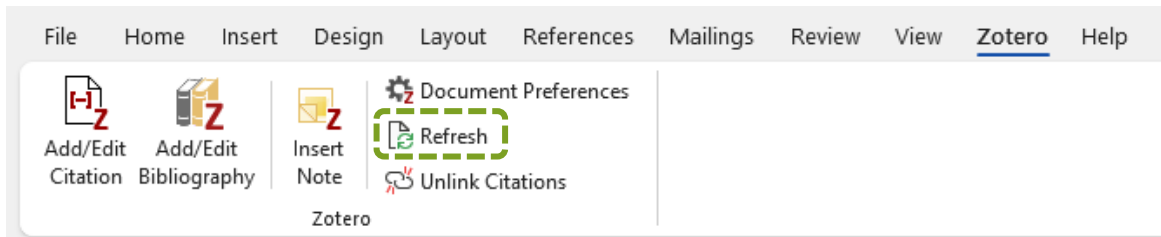
Büchel, D., & Reichenbacher, T. (2023). The visual complexity of bike maps. *Proceedings of the ICA*, 5, 1–8. <https://doi.org/10.5194/ica-proc-5-3-2023>

Reichenbacher, T., & Bartling, M. (2023). Adaptivity as a key feature of mobile maps in the digital era. *Frontiers in Communication*, 8, 1258851. <https://doi.org/10.3389/fcomm.2023.1258851>

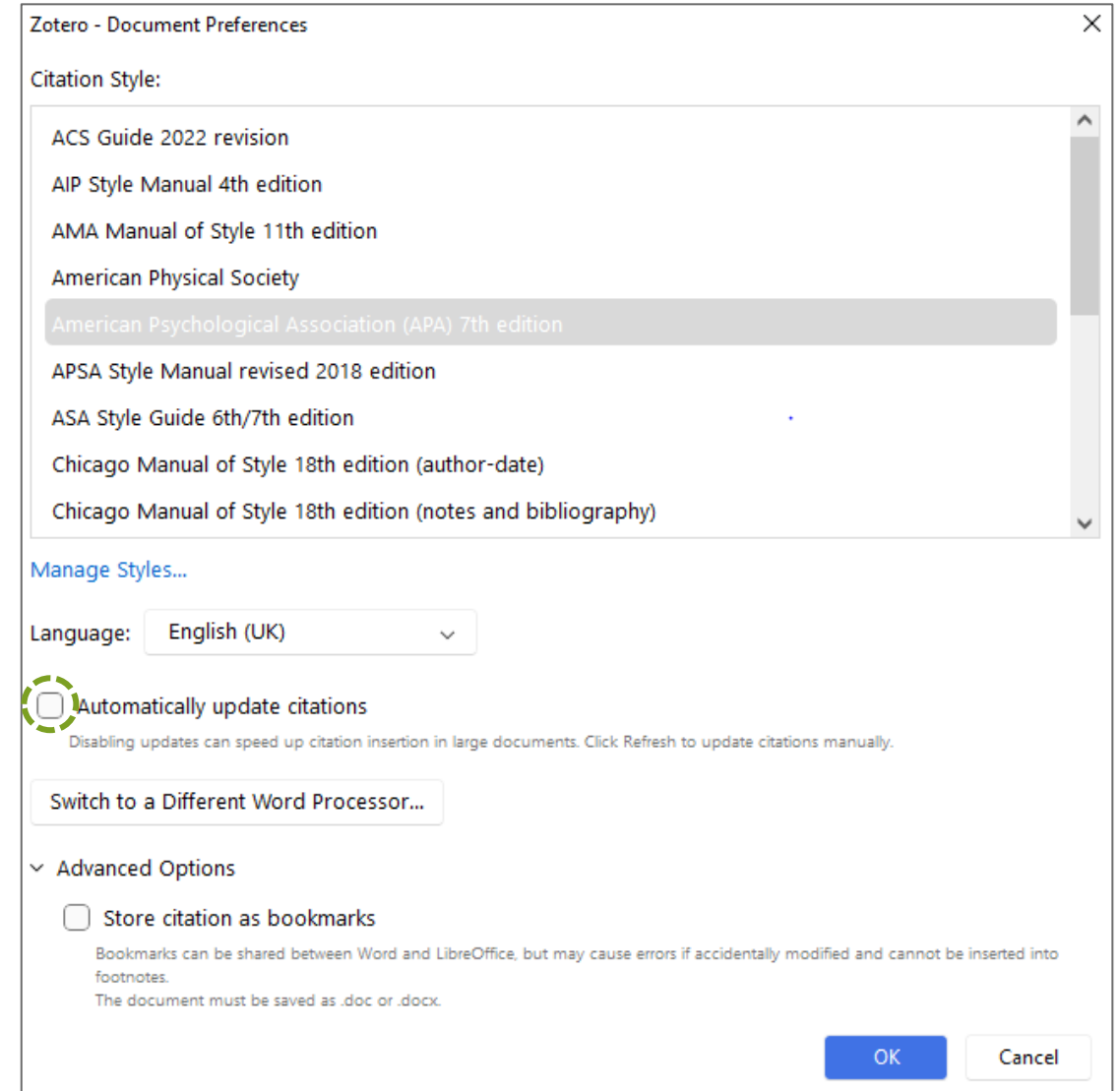


# Tip for large documents

In large documents such as bachelor or master thesis the refreshing can take very long (because the whole bibliography is checked every time you add a new reference). Therefore it might be useful to disable «Automatically update citations».



If you do not select «Automatically update citations», citations and the bibliography are not updated automatically but only when you click «Refresh» → do not select this option for large documents




# Plagiarism Detection for your own documents with Turnitin

Course: «Plagiarism Check: Self-Service»: [Plagiatsprüfung/Plagiarism Check: Self-Service](#)



**Self-Service** Help

Due Date: 31 Dec 2099, 11:00 PM MESZ      Start Date: 2 Oct 2025, 08:46 AM MESZ      [View Instructions](#)



**Drag submission file here**

Or attach from...

[My Computer](#)

[File Requirements](#)

# Citing in Word with Zotero

[Citing in Word with Zotero](#) → Video by ZHAW (in German)



# Links

- Zotero-Dokumentation (Support)  
<https://www.zotero.org/support/start>
- Short videos on Zotero Basics (zhaw, in German)  
[https://zhaw.mediaspace.cast.switch.ch/playlist/dedicated/7898/0\\_dx6dc2jw/0\\_1inq2tl0](https://zhaw.mediaspace.cast.switch.ch/playlist/dedicated/7898/0_dx6dc2jw/0_1inq2tl0) und  
[https://zhaw.mediaspace.cast.switch.ch/playlist/dedicated/7898/0\\_dx6dc2jw/0\\_2sj0kir8](https://zhaw.mediaspace.cast.switch.ch/playlist/dedicated/7898/0_dx6dc2jw/0_2sj0kir8)
- Mastering Zotero  
<https://zotero-manual.github.io/>
- <https://libguides.library.ohio.edu/zotero/getting-started>



Bild: <https://japaclip.com>

# 4 Writing Tipps

# Writing Type Test

Complete the quiz to discover your writing type.



# Tips for both writing types (and hybrid forms)

## Structure creating type

Set yourself a stricter schedule!

Tip: Use a timer

Get your thoughts in order!

Tip: Sort your notes

For revising your text: Find a text feedback partner!

Use the **reverse outline technique!**

## Structure following type

Allow yourself more freedom!

Tip: Try **freewriting**

Set your outline free!

Tip: Use mind mapping

How to combat that inner critical voice when writing:

Turn off the spell checker!

# Reverse Outline Technik

## Technique for Analyzing the Structure of a Completed Text (First Draft)

- First, set the text aside for a few days.
- Then read through the text paragraph by paragraph.
- On the screen or on a print-out: For each paragraph, write the main idea in a few words in the margin.
  
- Am I able to extract one main idea or one main argument from each paragraph?  
→ No? Then the paragraph is either filler material or needs more clarity. More than one idea? Consider splitting the paragraph.
- Is the progression of the ideas logical?
- Does every paragraph summary relate back to the thesis?
- Did I answer the prompt fully?

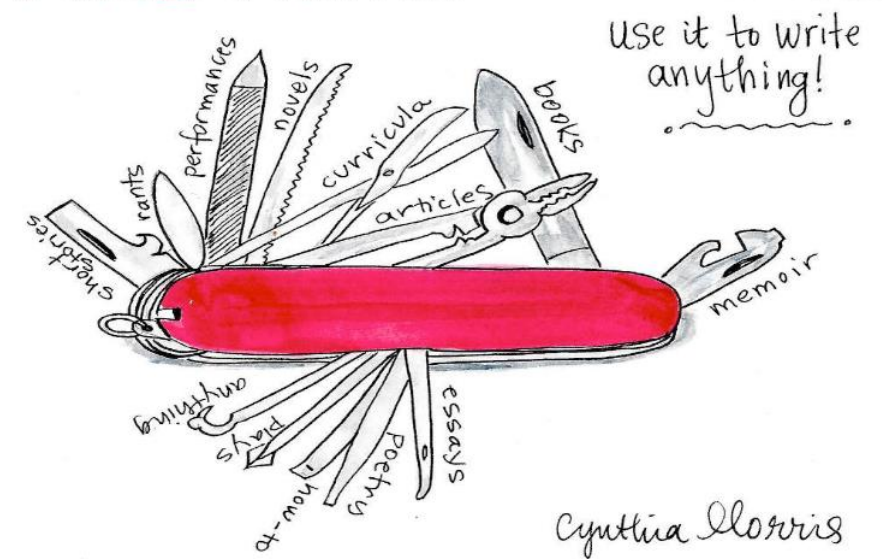
Reverse Outlining. *The Writing Center, George Mason University*. <https://writingcenter.gmu.edu/writing-resources/writing-as-process/reverse-outlining>.

# Fight Writing Blocks: Freewriting

Turn off your inner critic. Develop a love of writing.

- Choose a term or topic as a starting point (it could be the subject of your work, or something completely different).
- Set a timer (phone) for 7-15 minutes (7 minutes for beginners.)
- Just start writing whatever comes to mind. On your computer or by hand.
- Keep writing, don't stop.
- Don't read what you've written. Don't delete or cross anything out.
- Don't worry about spelling, punctuation, or grammar.
- Losing control is fine; digressions and silliness are okay.
- If you get stuck, keep writing "I can't think of anything" until a new idea comes to you.
- When the time is up, finish the thought you started and then stop! Look forward to next time! 😊

## FREE-WRITING POWER TOOL





# Tips for time management & productivity

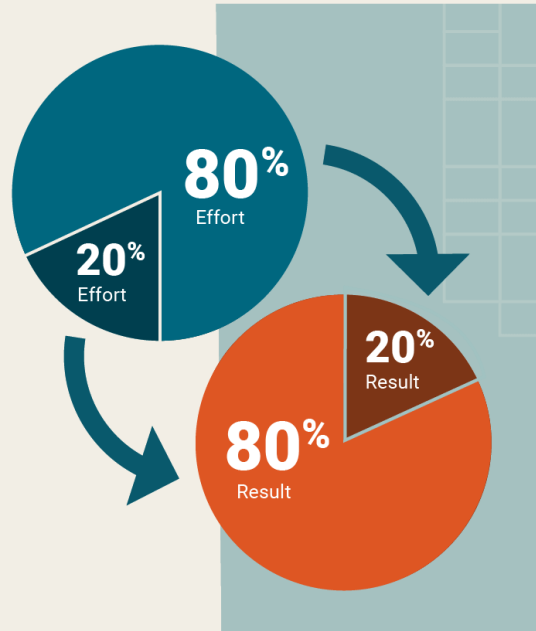
## Pareto Analysis

aka the 80/20 rule

The 80/20 rule is the idea that **20% of actions are responsible for 80% of outcomes**. It helps you prioritize tasks that will solve problems.

### WORKS WELL FOR:



-  Problem solvers
-  Analytical thinkers

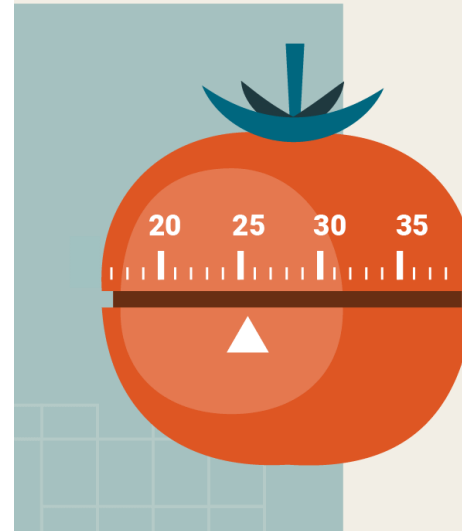


## Pomodoro Technique

This technique has you **utilize a timer to break down your work into intervals**. Each interval is known as a *Pomodoro*.

### WORKS WELL FOR:

-  Creative thinkers
-  Those feeling burnt out



Mozafaripour, S. 9 Popular Time Management Techniques and Tools | USAHS. *University of St. Augustine for Health Sciences* <https://www.usa.edu/blog/time-management-techniques/> (2019).

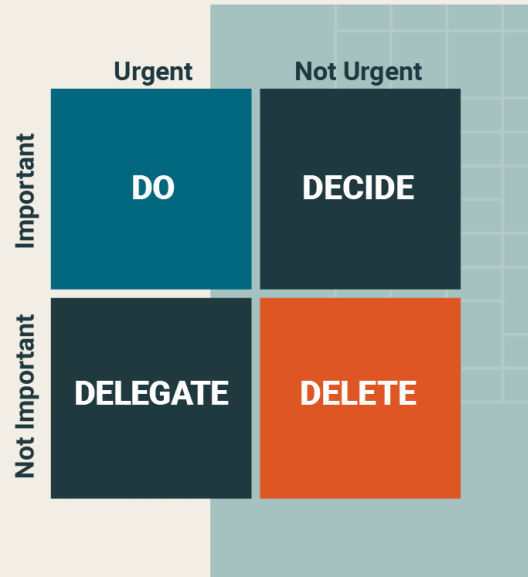
# Tips for time management & productivity

## Eisenhower Matrix

This method has you **organize your tasks into 4 quadrants** sorting them by important vs. unimportant & urgent vs. not urgent.

### WORKS WELL FOR:

- ⚖️ People with tough decisions
- ⚡ Critical thinkers



## Parkinson's Law

This law is based on the idea that **the amount of time you give yourself to complete a task**, is the amount of time it will take you to complete that task.

### WORKS WELL FOR:

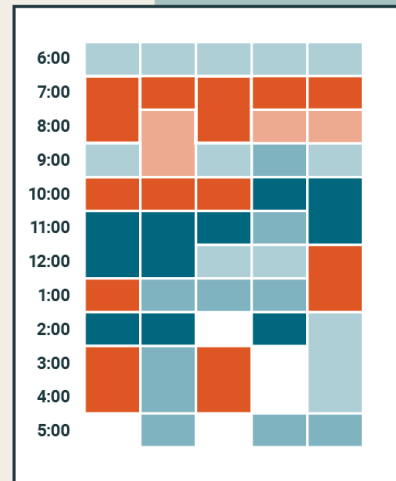
- 📄 Procrastinators
- 🕒 People that work well under pressure





# Tips for time management & productivity

## Time Blocking Method

To use this method, **assign each time block in your day to a task.** These tasks can be anything from eating breakfast to studying for a test.



### WORKS WELL FOR:



-  Working students/parents
-  Analytical thinkers

## Getting Things Done (GTD) Method

This process works to help you **move planned tasks aside by recording them on a piece of paper** & then breaking them down into actionable work items.



### WORKS WELL FOR:

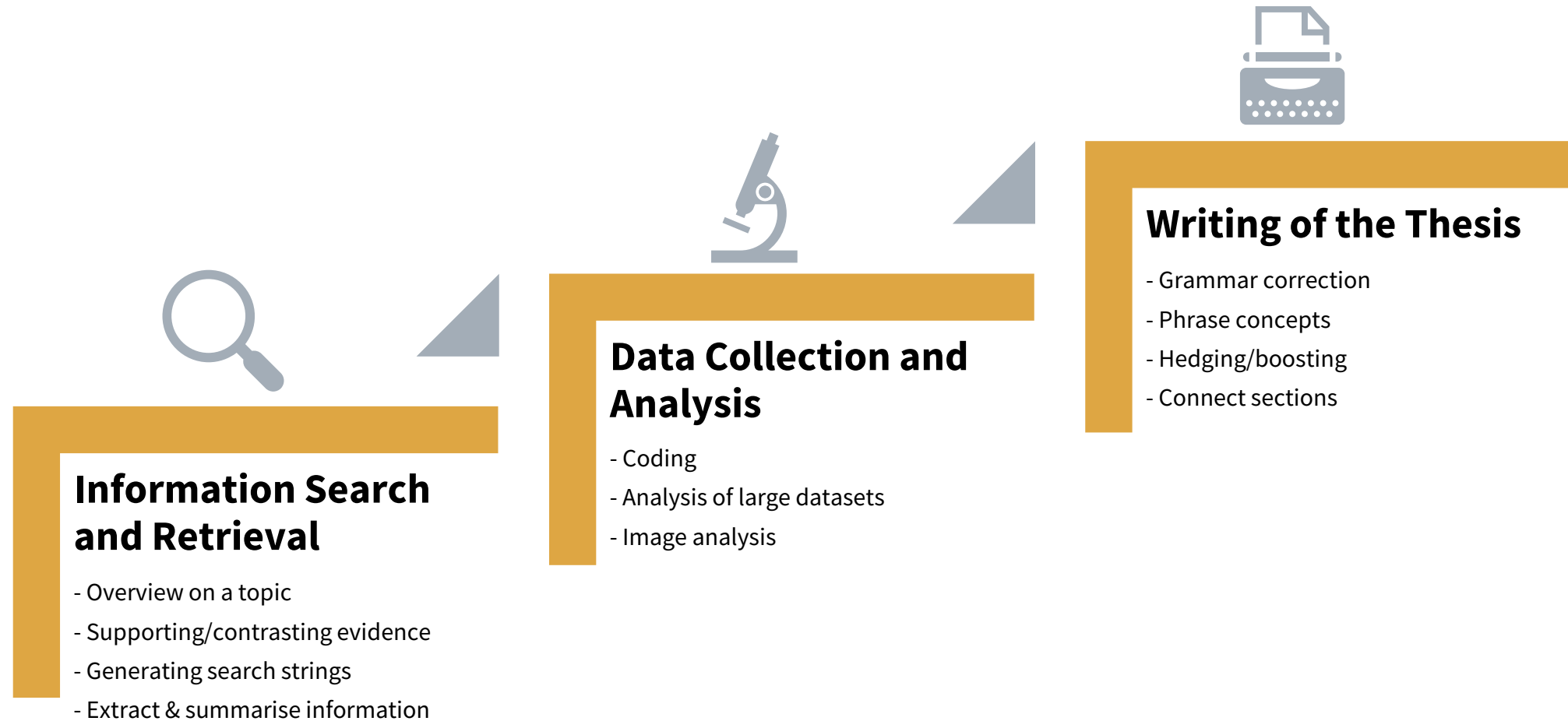
-  Distractible people
-  People who like to make lists

Mozafaripour, S. 9 Popular Time Management Techniques and Tools | USAHS. *University of St. Augustine for Health Sciences* <https://www.usa.edu/blog/time-management-techniques/> (2019).

# 5

## Use of AI

# Use of AI in Scientific Projects



# Using Scite.ai to Get an Overview on a Topic

## Question (Prompt)

Give me an overview on protein folding. How does it work? What are important factors that influence the folding? What happens if proteins misfold?

## Answer (Response)

### Overview of protein folding

- Protein folding is guided by a proteostasis network where nascent polypeptides fold with the help of molecular chaperones (Hsp70, Hsp90, Hsp60/TRiC) and co-chaperones; this network uses ATP to assist folding, prevent aggregation, and, when needed, target misfolded proteins for degradation (Morimoto, 2008; Finka & Goloubinoff, 2013) (Zúñiga-Hernández et al., 2023). The core “chaperome” constitutes roughly 10% of cellular protein mass and coordinates de novo folding, translocation, and quality control (Johnston et al., 2018; Finka & Goloubinoff, 2013).
- Key drivers of folding: cellular context (subcellular compartment, ATP availability), chaperone–substrate interactions, and stress-induced upregulation via heat shock factors (HSF1–4) that elevate HSP expression to restore proteostasis (Morimoto, 2008; Mikhailova et al., 2025; Finka & Goloubinoff, 2013) (Zúñiga-Hernández et al., 2023).

### Important factors influencing folding

- Molecular chaperones (Hsp70, Hsp90, Hsp60/TRiC) and co-chaperones

Ask a follow-up question

[Start a new chat](#)



## References

References (8)

Search Strategy

Copy

Export

Add references to dashboard

### Proteotoxic stress and inducible chaperone networks in neurodegenerative disease and aging

Richard I. Morimoto<sup>1</sup> 2008

[Genes Dev.](#)

848 15 797 0

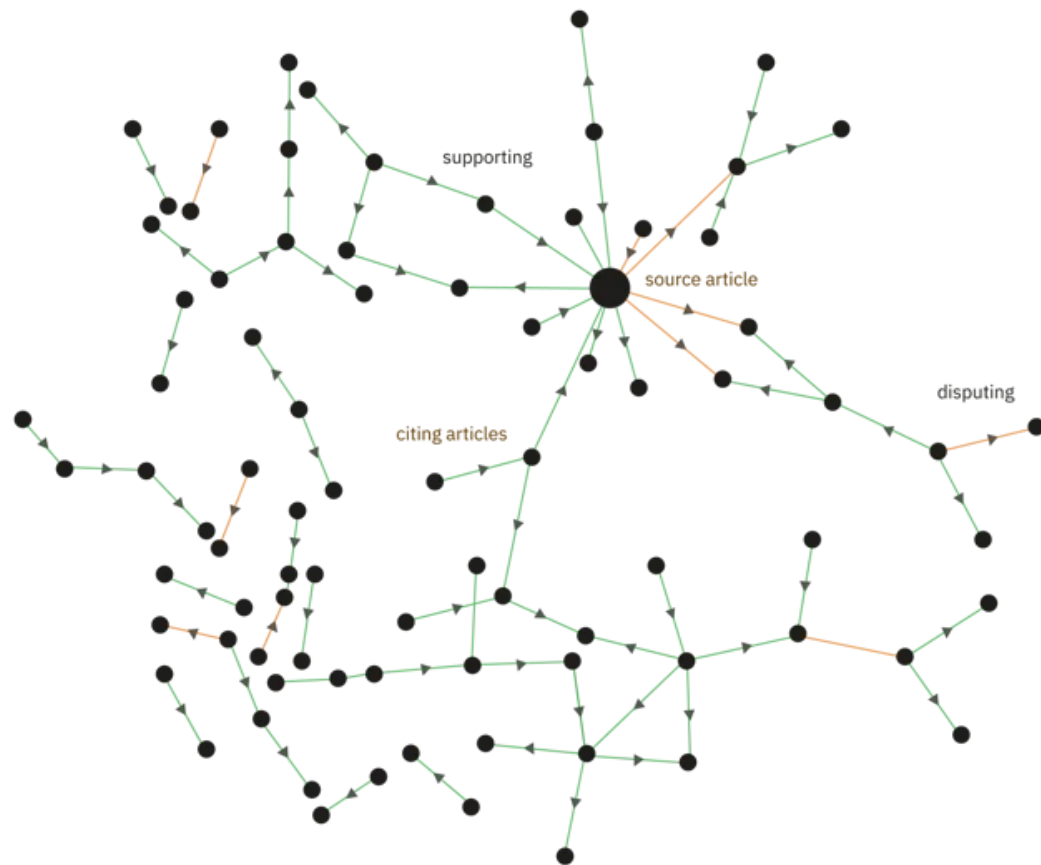
“...Chaperone terminology has its origins as heat-shock proteins (Hsps) annotated by molecular size; Hsp 100, Hsp90, Hsp70, Hsp60...” >>

**Section:** Chaperone Network

“...Indicated below each major class are representative conditions known to involve the expression of heat-shock proteins and cha...” >>

**Section:** Full Text

# Supporting and Contrasting Evidence



## Citation Network

Research Solutions. (n.d.). *Smart Citation Index: Revolutionize how you understand and evaluate research impact*. Retrieved 16 November 2025, from <https://www.researchsolutions.com/capabilities/smart-citation-index>

2022 DOI: 10.1101/2022.11.21.517405 [View PDF](#) | [Summarize](#) | [Cite](#) | [Check for full-text from University of Zurich](#) Preprint | [Set alert](#)

## AlphaFold predictions are valuable hypotheses, and accelerate but do not replace experimental structure determination

Thomas C. Terwilliger<sup>1</sup>, Dorothée Liebschner<sup>2</sup>, Tristan I. Croll<sup>3</sup>, Christopher J. Williams<sup>4</sup>, Airlie J. McCoy<sup>5</sup>, Billy K. Poon<sup>6</sup>, Pavel V. Afonine<sup>7</sup>, Robert D. Oeffner<sup>8</sup>, Jane S. Richardson<sup>9</sup>, Randy J. Read<sup>10</sup>, Paul D. Adams<sup>11</sup>

**Abstract:** AI-based methods such as AlphaFold have raised the possibility of using predicted models in place of experimentally-determined structures. Here we assess the accuracy of AlphaFold predictions by comparing them to density maps obtained from automated redeterminations of recent crystal structures and to the corresponding deposited models. Some AlphaFold predictions match experimental maps closely, but most differ on a global scale through distortion and domain orientation and on a local scale in backbone and side chains. [Show more](#)

[Summarize citations](#) [Help me understand this report](#)

View published versions [v](#)

<b>Cited by 94 publications</b> (109 citation statements)	<b>References 43 publications</b> (52 reference statements)
---	---

“...To validate our observations for both cancer-associated and negative controls, these mutations must be tested via functional assays (van Aalst & Wylie, 2021) and likely candidates selected for further structural characterization via Nuclear Magnetic Resonance (van Aalst, Jang, et al, 2023 ; van Aalst, McDonald, & Wylie, 2023 ). In the end, we agree with the sentiment that AF models are invaluable hypotheses, but the field is not currently capable of replacing experimental structural techniques (Terwilliger et al, 2024 )...”

**Section:** Results ✔ supporting confidence: 82%

**An in silico framework to visualize how cancer-associated mutations influence structural plasticity of the chemokine receptor CCR3**  
Aalst<sup>1</sup>, Wylie<sup>2</sup> 2024  
[Protein Science](#)

[2](#) [0](#) [0](#) [0](#)

[Get access via publisher](#) [Add to dashboard](#) [Cite](#) [Check for full-text from University of Zurich](#)

“...We previously showed that the sequences of most BEPs are predicted to encode TMDs ( Vakirlis, Acar et al 2020 ) (Fig S2). Structural predictions by Alpha-Fold2 ( Jumper, Evans et al 2021 ) were consistent with these TMD predictions (Fig 2), though some have low confidence owing to BEPs’ lack of homology with known proteins ( Peng, Svetec et al 2024 , Terwilliger, Liebschner et al 2024 ). Considering TMD predictions and structural modeling together, all the ER-localized BEPs displayed the biophysical potential to integrate into

# Table Mode in Scite.ai: Analysis of Search Results

Prompt

Summarise the most important point of each paper

Additional Columns

	Reference	Response	Population	Experimental?
1	<p><b>Genomic exploration of the endangered oriental stork, <i>Ciconia boyciana</i>, sheds light on migration adaptation and future conservation</b></p> <p>Shangchen Yang, Yan Liu, Xiaoqing Zhao <i>et al.</i> 2024 <a href="#">gigascience</a></p> <p>6   0   1   0</p> <p><a href="#">View PDF</a> <a href="#">Add to dashboard</a> <a href="#">Cite</a> <a href="#">Check for full-text from University of Zurich</a></p>	<p>First chromosome-scale genome assembly of the oriental stork revealing migration-related adaptation and a genomic basis for conservation planning.</p>	<p>The wild population of the endangered oriental stork (<i>Ciconia boyciana</i>), a migratory bird.</p>	<p>No</p>

Response

Note: A personal (free) account is required to create dashboards with search results

# Using Consensus to Get an Overview on a Topic

Question  
(Prompt)

Give me an overview on protein folding. How does it work?  
What are important factors that influence the folding? What happens if proteins misfold?

Pro · 3 steps · 20 sources >

## Protein Folding and Misfolding: Core Concepts and Disease Links

Protein folding is how a linear amino-acid chain acquires the specific 3D structure needed for function. The process is driven and constrained by physics, but heavily assisted and policed by cellular quality-control systems.

### How protein folding works

- **Sequence → structure**  
A protein's **amino-acid sequence encodes its native structure**, which is usually the lowest free-energy state for that chain  1

Ask a follow up...



Pro



Deep

Corpus



Filter



## References

References / Do molecular chaperones prevent protein ...

### Results

#### 1 Molecular Chaperones and Protein Quality Control

KEY TAKEAWAY · Molecular chaperones, such as Hsp70 and AAA+ (Hsp100) unfoldases, play a crucial role in protein quality control by removing aggregates from the cytosol and regulating protein folding in the endoplasmic reticulum.

HIGHLY CITED

2006 · 1571 citations · B. Bukau et al.

UZH PDF

#### 2 Protein Quality Control by Molecular Chaperones in Neurodegeneration

KEY TAKEAWAY · Molecular chaperones play a crucial role in protein quality control in neurons, helping to prevent neurodegeneration-causing protein aggregates and facilitate their degradation.

HIGHLY CITED

2017 · 282 citations · A. Ciechanover et al.

UZH PDF

#### 3 Folding or holding?—Hsp70 and Hsp90 chaperoning of misfolded proteins in neurodegenerative disease

Log-in with your UZH e-mail address to access our test license: <https://consensus.app/>

# Use of AI in Scientific Projects



## Information Search and Retrieval

- Overview on a topic
- Supporting/contrasting evidence
- Generating search strings
- Extract & summarise information



## Data Collection and Analysis

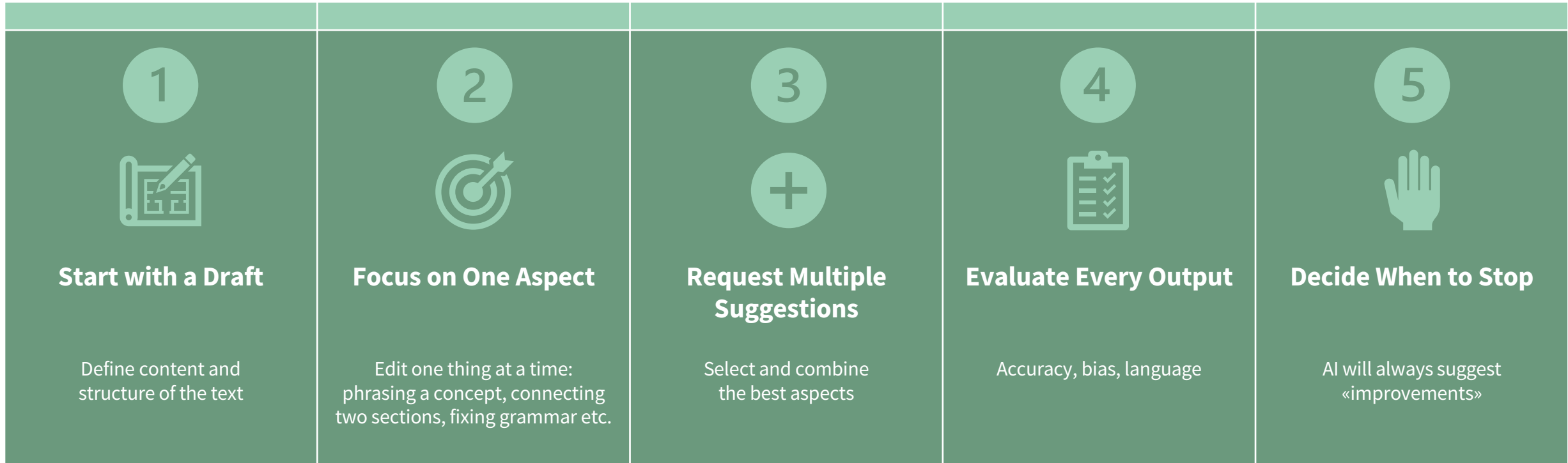
- Coding
- Analysis of large datasets
- Image analysis



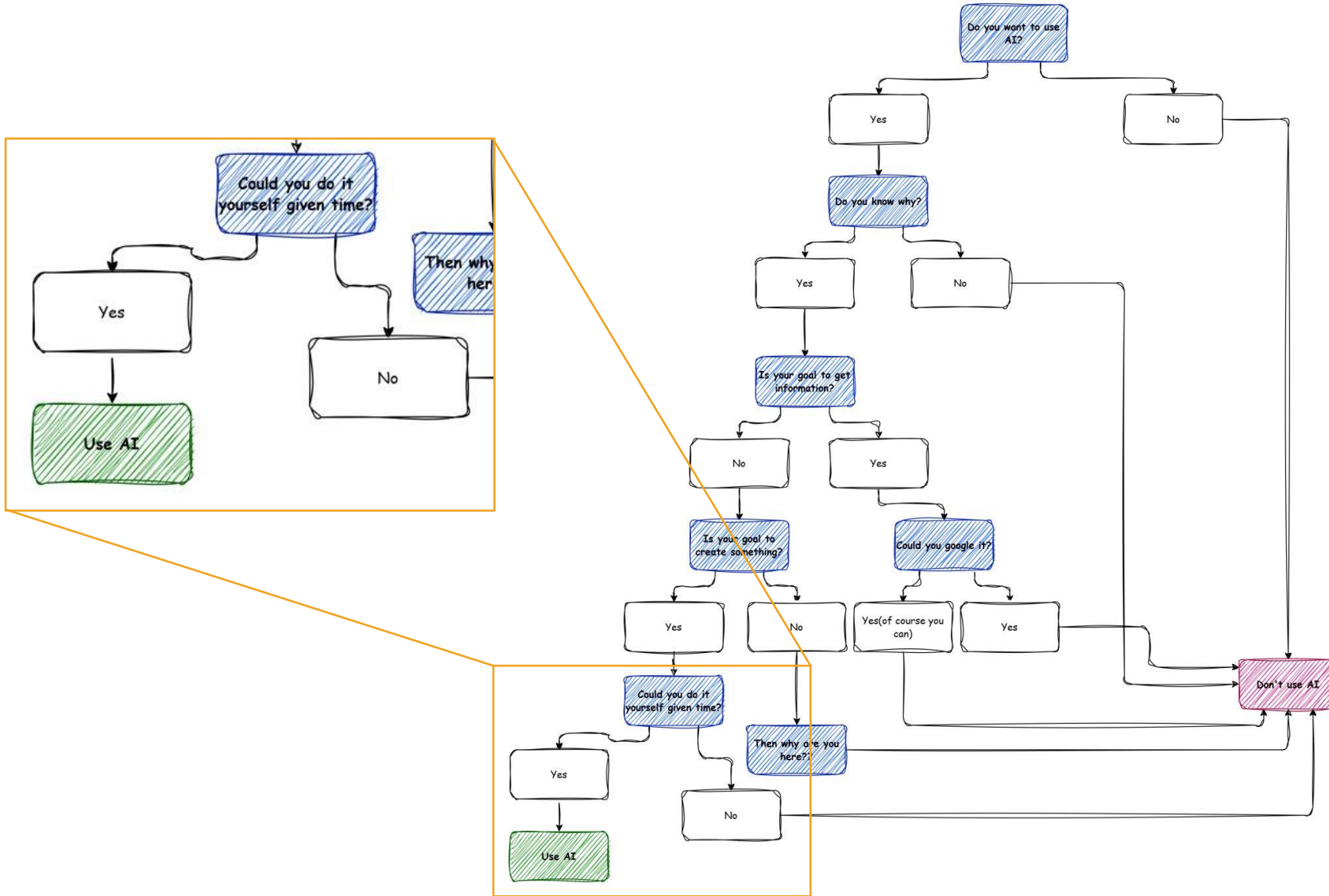
## Writing of the Thesis

- Grammar correction
- Phrase concepts
- Hedging/boosting
- Connect sections

# Best Practices for AI in Scientific Writing: Keep Intellectual Control



# Should you use AI for this task?



“Generative AI shines when you’ve got **enough domain knowledge to recognize a solid answer.**”

If you can spot a good line of code, or detect a nonsense summary, or say, “Hmm, this marketing strategy sounds off”, then AI is a force multiplier.

But if you’re relying on AI to think *\*for\** you, you might not realize when it’s confidently wrong, and worse, you might not be able to easily correct it when you do realize its wrong.”

# Evaluation of AI Tools: SCORE

<b>S</b>	<b>C</b>	<b>O</b>	<b>R</b>	<b>E</b>
<b><u>Strategic Aim</u></b>  What is the goal / objective / purpose of this AI tool?  What was it built for?	<b><u>Computational Core</u></b>  What is the subtype of AI behind this tool?  Is there a specific model disclosed?  What information system does it rely on?  How has it been adapted and tuned to interact with its users?	<b><u>Ownership</u></b>  Who is responsible for creating and managing this tool?  What are their interests?  Who has access to (the full version of) this tool under which conditions?	<b><u>Robustness</u></b>  How reliable are the results produced by this tool?  When and how does it fail?  How can you assess the quality of the results this tool produces?	<b><u>Ethics</u></b>  Does the use of this tool cause or perpetuate any ethical or societal issues?
<b><u>Suitability</u></b> Is this tool appropriate for my use case?				

Véron, A. C. (2026). SCORE: A Set of Questions for the Evaluation of AI Tools (Version v01). Zenodo. <https://doi.org/10.5281/ZENODO.19382695>

# Evaluation of AI Outputs: CRAAP Checklist

- Currency** Is the information up to date?  
AI Context: GenAI tools may only rely on information from their training data and thus not have access to real-time data or current events. Check the date of the information and verify with current sources.
- Relevance** Does the information meet your needs?  
AI Context: AI may generate generic or off-topic responses. Ensure the output is tailored to your question, discipline, and academic level.
- Authority** Who is the source of the information?  
AI Context: AI often doesn't cite sources. Ask for sources and check whether the response references credible sources.
- Accuracy** Is the information correct and supported by evidence?  
AI Context: AI can hallucinate. Cross-check claims, statistics, and quotes with trusted sources. Be cautious of confident-sounding but incorrect answers.
- Purpose** Why was this information created?  
AI Context: AI outputs are generated based on patterns, not knowledge. Consider whether the response is informative, persuasive, biased, or misleading. Be aware of potential bias in training data.

# AI Tools cannot be Listed as Authors of Publications

## COPE position

The use of artificial intelligence (AI) tools such as ChatGPT or Large Language Models in research publications is expanding rapidly. COPE joins organisations, such as [WAME](#) and the [JAMA Network](#) among others, to state that AI tools cannot be listed as an author of a paper.

AI tools cannot meet the requirements for authorship as they cannot take responsibility for the submitted work. As non-legal entities, they cannot assert the presence or absence of conflicts of interest nor manage copyright and license agreements.

Authors who use AI tools in the writing of a manuscript, production of images or graphical elements of the paper, or in the collection and analysis of data, must be transparent in disclosing in the Materials and Methods (or similar section) of the paper how the AI tool was used and which tool was used. Authors are fully responsible for the content of their manuscript, even those parts produced by an AI tool, and are thus liable for any breach of publication ethics.

# Do not Cite AI Tools

## Citing ChatGPT from OpenAI according to APA style ^

APA format	Author (year). Title (date and version) [description of the model]. URL
APA bibliography entry, example	OpenAI (2023). ChatGPT (May 2023 version) [large language model]. <a href="https://chatopenai.com">https://chatopenai.com</a>
APA in-text Zitation, Beispiel	«Zitat» (OpenAI, 2023)

➔ [American Psychological Association: How to cite ChatGPT](#)

## Citing ChatGPT from OpenAI according to MLA style ^

MLA format	“Prompt text” prompt. Title, day month version, author, day month year, chat.openai.com
MLA bibliography entry, example	How do I cite ChatGPT in MLA-Style?” prompt. ChatGPT, May 2023 version, OpenAI, 23 July 2023, chat.openai.com
MLA in-text citation, example	(“How do I cite ChatGPT in MLA style?”)

➔ [MLA Style Center: How do I cite generative AI in MLA style?](#)

University of Zurich. (n.d.). *Recommendations on the Use of Generative Artificial Intelligence at UZH*. Retrieved 30 January 2026, from <https://www.uzh.ch/en/explore/basics/ai/recommendations.html>

# Document the Use of AI in the Materials and Methods Section

## COPE position

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# Which AI Use has to be Declared?

0% machines  
handcrafted with ❤️

100% machines  
blind trust in 🤖



degree of machine support

spell checker

google search

brain storming

summarization

AI writes text

grammar checker

improvement of style

machine translation

paraphrasing

not expected  
not important

highly expected  
important

expectation of an AI statement

# Include an AI Statement in Theses, Reports and Presentations

- Describe how AI has been used
- You may include example prompts for clarification
- Do not append full logs of conversations with AI chatbots, since they are not reproducible (exception: the Vetsuisse faculty at UZH requires it)
- Include the name of the AI tool, the version, the type of tool (e.g. large language model, generative text-to-image model) and the provider/creator
- Example:

## General Statement

AI has been used in this work as follows:

- Idea generation and brainstorming with ChatGPT (GPT 4o)
- Summary and machine translation of research literature with ChatPDF (version March 2024)
- Formulation and structure suggestions with ChatGPT (GPT 4o)
- Stylistic improvements with ChatGPT (GPT 4o)

All text parts created by AI have been checked by me, the author of the text. I take full responsibility for the text.

The following prompt has been used for structuring section xy: [prompt]

# The Author is Fully Responsible for the Entire Work

## COPE position

The use of artificial intelligence (AI) tools such as ChatGPT or Large Language Models in research publications is expanding rapidly. COPE joins organisations, such as [WAME](#) and the [JAMA Network](#) among others, to state that AI tools cannot be listed as an author of a paper.

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**Caution:** LLMs can produce inadvertent plagiarisms by generating or editing text that closely resembles their training data

# Data Privacy and Copyright

- Any information uploaded to an AI tool may be shared with third parties or used to improve AI models
- Never enter or upload personal or otherwise sensitive data (unpublished results, patient data, trade secrets, classified information) into AI tools
- The upload of licensed electronic resources (e.g. journal articles) to AI tools is generally prohibited by license agreements
- Alternatively: Run LLMs locally on your computer

## AI on Your Laptop: A Small Introduction to Running Large Language Models (e.g. deepseek, Llama)

Researchers are using Large Language Models (LLMs) for a wide variety of tasks, including generating text, summarizing papers, and brainstorming ideas. LLMs also assist with programming: debugging code, writing scripts or snippets, and accessing specialized models for advanced applications like computer vision and multi-modal tasks.

Did you know that your laptop may be powerful enough to run an LLM, without depending on cloud services or third-party providers?

In this short introduction, you'll learn how to take advantage of open-source models and tools to run and even customize local LLMs.

Use with open AI systems	✗ Not allowed if licensed content is reused or shared.
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Science IT. (2025, January 22). *AI on Your Laptop: A Small Introduction to Running Large Language Models (e.g. Deepseek, Llama)*. <https://www.zi.uzh.ch/en/teaching-and-research/science-it/articles/2025-ai-on-your-laptop.html>  
University Library Zurich. (n.d.). *AI and Licensed Full texts*. Retrieved 24 April 2026, from <https://www.ub.uzh.ch/en/literatur-suchen-nutzen/e-library-nutzen/ki-und-lizenzierte-volltexte.html>

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