

# Design Project 2026

Miriam Petrilli

EPFL Library

25.03.2026



# Learning objectives

At the end of this training you will be able to:

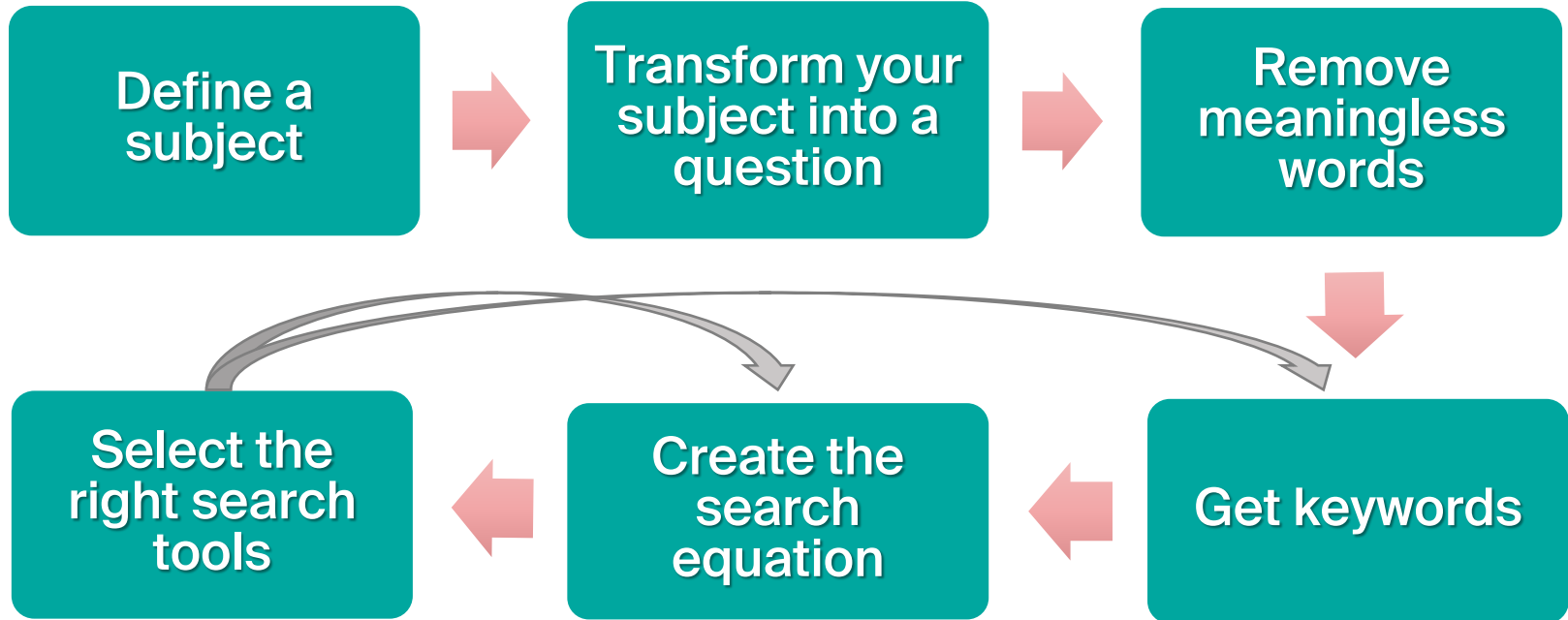
- Use the right tools for your searches
- Create a search equation
- Define plagiarism and explain how to avoid it with correct citations
- Discover Zotero

# Information retrieval: Strategy and tools

# Identify the different types of document

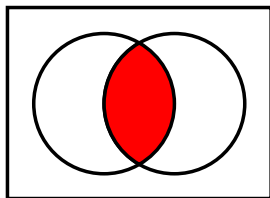
Information type	Document type	Where	Access
<b>Overview</b>	Books	BEAST	<a href="http://library.epfl.ch">library.epfl.ch</a>
	Encyclopedias	Wikipedia Techniques de l'ingenieur	Web <a href="http://library.epfl.ch">library.epfl.ch</a>
	Reviews	Web of Science	<a href="http://library.epfl.ch">library.epfl.ch</a>
<b>Technical information</b>	Patents	Google Patents EspaceNet, etc...	Web <a href="http://library.epfl.ch">library.epfl.ch</a>
	Standards	BEAST	<a href="http://library.epfl.ch">library.epfl.ch</a>
	Technical specifications / product sheets	Manufacturer's website	Web
<b>Commercial information</b>	Annual report	Manufacturer's website	Web
	Market study	Analyst's website	Web
<b>Latest advancements</b>	Research articles	BEAST	<a href="http://library.epfl.ch">library.epfl.ch</a>
		Web of Science	<a href="http://library.epfl.ch">library.epfl.ch</a>
		Proquest	<a href="http://library.epfl.ch">library.epfl.ch</a>
		Google Scholar	Web
	Conference proceedings	Web of Science	<a href="http://library.epfl.ch">library.epfl.ch</a>
	News articles	Press Reader	<a href="http://library.epfl.ch">library.epfl.ch</a>

# Information retrieval strategy

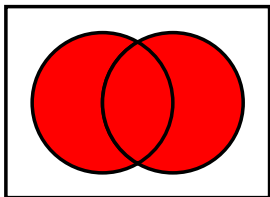


Subject	Subject: micropollutants into drinking water		
Define the topic in the form of a question	Question: What are the occurrence and fate of micropollutants from wastewater effluent into finished drinking water?		
Extract the main concepts and turn them into keywords	micropollutants	waste water effluent	drinking water
Search for synonyms and related terms	micro pollutant pollutants contaminants	wastewater effluent	drinkable water
Formulate the corresponding search equation using boolean operators, truncation & wildcards	(micropollutant* OR «micro pollutant*» OR pollutant* OR contaminant*) AND («waste water effluent*» OR «wastewater effluent*») AND «drink* water»		

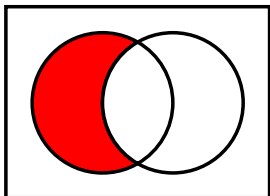
# Boolean operators and more



**AND** to combine key concepts



**OR** to add alternative key concepts



**NOT** to exclude concepts

**()**

Group the keywords

**\*** **or** **?**

Wildcard

**« » or " "**

Exact expression

# Where can I use my search equation?

**Web of Science™**



Scopus

**Google Scholar**

 **OpenAlex**

## Consensus

A Consensus trial is available to the EPFL community throughout 2026. Create an account with your EPFL email!

**Consensus**  
Research starts here

Ask the research...

Pro Sources Filter

**New: Connect Zotero to Consensus**  
Bring your Zotero library to life inside Consensus! Search, analyze, and chat with all your papers in one workspace. Import

The new standard for academic research

## Elicit

Elicit Notebooks Library Upgrade Help Vincenzo Palatella

### Recent Advances in CAR T-Cell Therapy

What are the most recent developments in CAR T-cell use in cancer-immune therapy?

Summary of top 4 papers Copy

Recent developments in CAR T-cell therapy for cancer immunotherapy have shown promising results, particularly in hematological malignancies (Majumder, 2023). While CD19 CAR-T cells have led the way, new targets like BCMA for multiple myeloma are being explored (Lim & Ang, 2020). Despite success in blood cancers, challenges remain for solid tumors due to tumor heterogeneity and the immunosuppressive microenvironment (Majumder, 2023). Researchers are working on innovative CAR designs and combination therapies to overcome these limitations (Lim & Ang, 2020; Wehrli & Maus, 2021). Current challenges include cytokine release syndrome, T-cell exhaustion, and reduced cytotoxicity at tumor sites (Majumder, 2023). The field is rapidly evolving, with ongoing clinical trials and new strategies being developed to improve CAR-T cell efficacy and reduce side effects (El-Daly & Hussein, 2019; Wehrli & Maus, 2021). These advancements aim to expand the application of CAR-T cell therapy to various cancer types and potentially revolutionize cancer treatment.

- Check the **corpus** used by the tool
- Try to **compare the outcomes** with your «classic» research on databases

# LLMs – Basic recommendations



- Fine-tune language/style
- Get new ideas if you are stuck
- Create pictures
- Inform the final reader about the AI tool you used



- Get a basic idea about a new subject (but always double check the information)
- It can generate “hallucinations”, false information presented as facts



- Write a paper from scratch
- Use it as the only source of information
- Cite it in a paper
- Made-up references

# Copyright, citations & plagiarism

# What is a citation?

*C. tyrobutyricum* is a spore-producing, rod-shaped, strictly anaerobic, gram-positive bacterium widely used in industrial production. It can use a wide range of available carbon sources, including glucose, xylose, glycerol, and mannose. These components can enter the cell through the **phosphotransferase system (PTS) with specific transport vectors** (Akhtar et al. 2018). *C. tyrobutyricum* produces the intermediate product pyruvate and a key precursor, butyryl CoA, via **a series of enzymatic reactions** (Jiang et al. 2010). With the catalysis of butyryl phosphate transferase and butyryl kinase, the precursor forms the main product (butyric acid), by-product (acetic acid), and a small amount of lactic acid. This process is accompanied by **the production of hydrogen and carbon dioxide** (Baroi et al. 2015).

## References

Akhtar, T., A.S. Hashmi, M. Tayyab, A.A. Anjum, S. Saeed, and S. Ali. 2018. Bioconversion of agricultural waste to butyric acid through solid state fermentation by *Clostridium tyrobutyricum*. *Waste and Biomass Valorization* 11: 2067–2073.

[Article](#) [Google Scholar](#)

Baroi, G.N., I.V. Skiadas, P. Westermann, and H.N. Gavala. 2015. Effect of in situ acids removal on mixed glucose and xylose fermentation by *Clostridium tyrobutyricum*. *AMB Express* 5: 67.

[Article](#) [PubMed](#) [PubMed Central](#) [Google Scholar](#)

Bhatnagar, A., K.K. Kesari, and N. Shurpali. 2015. Multidisciplinary approaches to handling wastes in sugar industries. *Water, Air, & Soil Pollution*. <https://doi.org/10.1007/s11270-015-2705-y>.

[Article](#) [Google Scholar](#)

## In-body citation

- Paraphrase
- It can also be an excerpt of the cited text, properly highlighted (quotation marks, italic, different indentation...)

## Call

- Textual (e.g. Author, year) or numeric (e.g. [1], [2], etc-)

## Bibliographic entry

- According to the citation style used

# Citing enables you to...

- Rely on **trustworthy** sources
- Put your **own work** into context
- Add **credibility** and **originality** to your input
- Guide the reader



But also:

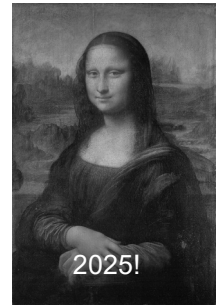
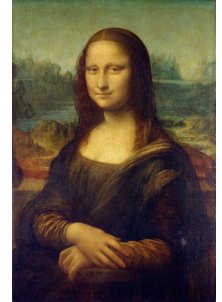
- **Give credit** to your (and other's) work
- Stay away from plagiarism!

# Not citing means... Plagiarism

Letting the reader believe that:

- **You are the author** of what they read
- What they read is **original** and **new**

It doesn't matter if it was done **intentionally** (trying to steal someone's else ideas) or **unintentionally** (inadvertence).





## Citing- Quoting - Paraphrasing

Using only a **part** of a work

- The quote must be clearly recognizable (quotation mark, different format, etc.) or paraphrased
- The source must be stated clearly
- In-text citation + bibliographic reference
- No need for authorization

## Reusing

Using a **whole** work

- The source must be stated clearly
- Authorization from copyright holder is required (unless CC)

👉 Images, illustrations and graphs are always considered works as whole



From <https://actu.epfl.ch/news/la-bibliotheque-de-l-epfl-se-transforme/>

- Check reuse license ([Creative Commons](#))
- If needed, get the author's permission
- Copy and paste
- Cite the source

Country	Total	Wastewater treatment plant	Biowaste	Agriculture residues treating plants	Industrial treating plants and landfill
<b>Germany</b>	10 551	1 271	292	8 400	280
<b>United Kingdom</b>	685	170	127	342	46
<b>Sweden</b>	282	134	36	54	58
<b>Brazil</b>	638	57	N/A	503	78
<b>Norway</b>	162	27	6	6	81
<b>Switzerland</b>	434	271	29	112	22

Data from

<https://link.springer.com/article/10.1007/s10311-022-01468-z/tables/1>

- Get the data (whole or partial)
- Create a new layout for the table
- Cite the source

# Zotero

# Zotero: Reference Management Software

- Easily collect and organize references
- Cite while you write, in any citation style
- Create a bibliography with a few clicks
- Unlimited storage with EPFL email

Download and install: [zotero.org](https://www.zotero.org)



# How does a Zotero library look like?

The screenshot displays the Zotero desktop application interface. On the left, a sidebar shows a hierarchical view of the library, including folders for 'Personal', 'Bibliometrics', 'Databases', 'DRM', 'eBooks', 'Information Literacy', 'Publishing', 'Search equation', 'Zotero', 'Work', 'Bonsai', 'Drifting classroom', 'Earthquake engineering', 'EM', 'Indie rock', 'JDM', 'Nanocomposite catalysts', 'Nomikai + Konpa', 'Pseudo-parabolic', 'T-cell', 'My Publications', 'Duplicate Items', 'Unfiled Items', 'Retracted Items', and 'Trash'. A legend at the bottom left indicates item status: Request (blue dot), Read (green dot), Unavailable (red dot), and Not needed (orange dot).

The main pane shows a list of items with columns: Title, Cre..., Item Type, Year, Publisher, Publication, Date Added, and Date Modified. The selected item is 'Contributions to the Theory of Riemann Surfaces. (AM-30), Volume 30' by Ahlfors, Lars Valerian, published by Princeton University Press in 1953.

On the right, a detailed view of the selected item is shown, including its title, author, series, and publication information.

Title	Cre...	Item Type	Year	Publisher	Publication	Date Added	Date Modified
Santa Cruz, USA	350...	Artwork				3/19/2024, 11:11:21 ...	3/19/2024, 12:13:35 PM
Meet the hijacked journal that...	Abalk...	Blog Post	2022		Retraction Watch	7/14/2022, 11:29:25 ...	7/14/2022, 11:29:25 A...
Online health information see...	Abdoh	Journal A...	2022		The Journal of ...	9/26/2022, 10:31:42 ...	9/26/2022, 10:31:42 A...
Contributions to the Theory of...	Ahlfors...	Book	1953	Princeton Un...		11/18/2021, 11:04:1...	11/18/2021, 11:04:17 ...
Emergence of computers in m...	Akmut	Journal A...				1/10/2023, 2:31:36 PM	1/10/2023, 2:31:36 PM
Astro: Monte Carlo simulation...	Alam...	Book Sec...	2022		Discovery in Ph...	4/17/2023, 9:58:24 A...	4/17/2023, 9:58:24 AM
Astro: Monte Carlo simulation...	Alam...	Book Sec...	2022		Discovery in Ph...	4/17/2023, 10:14:17 ...	4/17/2023, 10:14:17 A...
Nonexistence results for high...	Alsae...	Journal A...	2017		Mathematical ...	11/18/2021, 11:04:3...	11/18/2021, 11:04:35 ...
T cell subsets: cellular selectio...	Alt et...	Book	2004	Elsevier Acad...		11/18/2021, 3:54:10 ...	11/18/2021, 3:54:10 PM
arXiv announces new policy o...	ame5	Journal A...	2023			6/19/2023, 6:34:33 PM	6/19/2023, 6:34:33 PM
Research Data Management (...)	Andri...	Journal A...	2021		Research Data ...	7/11/2022, 4:49:57 PM	7/11/2022, 4:49:57 PM
A quasi experiment on how th...	Apuk...	Journal A...	2022		The Journal of ...	1/3/2023, 1:36:54 PM	1/3/2023, 1:36:54 PM
Information Literacy Self-Effica...	Atiku...	Journal A...	2022		The Journal of ...	1/3/2023, 1:37:08 PM	1/3/2023, 1:37:08 PM
An analysis of publishing studi...	Augu...	Journal A...			Learned Publish...	8/2/2022, 2:57:13 PM	8/2/2022, 2:57:13 PM
La viande synthétique divise le...	Authier	Web Page	2023		rts.ch	3/19/2024, 11:08:53 ...	3/19/2024, 11:13:50 A...
Which h-index?—A compariso...	Bar-Il...	Journal A...	2008		Scientometrics	10/29/2021, 4:26:18 ...	10/29/2021, 4:26:18 PM
Le sang des Marais: Aigues-...	Barna...	Book	1993	Via Valeriano		8/6/2024, 1:54:43 PM	8/12/2024, 11:22:23 A...
Morte agli Italiani!: il massa...	Barna...	Book	2008	Infinito		8/6/2024, 1:57:05 PM	8/12/2024, 12:05:47 PM
Le racisme au travail	Bataille	Book	1997	La Découverte		12/10/2021, 2:29:26 ...	12/10/2021, 2:29:26 PM
Synthèse d'une série d'entretie...	Baud...	Report	2024	Couperin, GT...		4/24/2024, 2:33:07 PM	4/24/2024, 2:33:07 PM
Parasites	Baum	Book	2017	Rosen Central		12/6/2021, 2:14:19 PM	12/6/2021, 2:14:19 PM
Predatory publishers are corru...	Beall	Journal A...	2012		Nature	2/7/2022, 1:40:14 PM	2/7/2022, 1:40:14 PM
Scientific Soundness and the P...	Beall	Book Sec...	2018	The MIT Press	Pseudoscience	11/15/2021, 12:25:0...	11/15/2021, 12:25:04 ...
Parasites	Beck...	Book	1993	Academic Pr...		12/6/2021, 2:09:57 PM	12/6/2021, 2:09:57 PM
Conoscere Fermi: nel centenari...	Berna...	Book	2002	Edizioni scie...		5/15/2023, 2:10:28 PM	5/15/2023, 2:10:28 PM
Coffee Lecture #13   Predatory...	Biblio...	Video Rec...	2022			7/12/2022, 1:28:37 PM	7/12/2022, 1:29:16 PM
Neutral Hydrogen Mass in Gal...	Bizyaev	Journal A...	2023		Monthly Notice...	12/7/2023, 9:31:25 A...	12/7/2023, 9:39:57 AM
Gold, green, and black open a...	Björk	Journal A...	2017		Learned Publish...	12/1/2022, 12:43:04 ...	12/1/2022, 12:43:07 PM
Who's downloading pirated p...	Boha...	Journal A...	2016		Science	11/28/2022, 10:52:1...	11/28/2022, 10:52:27 ...
Hydrogène vert : découvrez le ...	Bolithe	Newspa...	2024		euronews	3/19/2024, 12:01:33 ...	3/19/2024, 12:02:18 PM
Cronologia dell'opera scientifi...	Bonolis	Journal A...				5/15/2023, 2:11:40 PM	5/15/2023, 2:11:40 PM
Bonsai origin and philosophy	Bonsai	Web Page	2020		Mistral Bonsai	6/6/2024, 1:12:05 PM	6/6/2024, 1:12:05 PM
Zotero Lab et Zotero Institutio...	Bour...	Blog Post	2022		Le blog Zotero ...	7/1/2022, 10:12:03 A...	11/28/2022, 1:53:40 PM
Study of the effect of wood wa...	Bourz...	Conferen...	2022	Elsevier	Materials Today...	9/26/2022, 10:24:42 ...	9/26/2022, 10:24:42 A...
Anti-CD19 CAR-T cells: Diggin...	Bouzi...	Journal A...	2021		CRITICAL REVIE...	9/18/2024, 9:08:01 A...	9/18/2024, 9:08:01 AM

**Contributions to the Theory of Riemann Surfaces. (AM-30), Volume 30**

Info

Item Type: Book

Title: Contributions to the Theory of Riemann Surfaces. (AM-30), Volume 30

Author: Ahlfors, Lars Valerian

Author: Calabi, E.

Author: Morse, Marston

Author: Sario, Leo

Author: Spencer, Donald Clayton

Series: Annals of Mathematics Studies

Series Number: 28

Volume

# of Volumes

Edition: Princeton University Press on dema ...

Place: Princeton, NJ

Publisher: Princeton University Press,

Date: 1953

# of Pages: 276

Language: eng

ISBN: 978-1-4008-2837-1

Short Title

URL

Accessed

Archive

Loc. in Archive

Library Catalog: slsp-epfl.primo.exlibrisgroup.com

Call Number

Rights

Extra: Book Title: Contributions to the Theory of Riemann Surfaces. (AM-30), Volume 30  
DOI: 10.1515/9781400828371

Date Added: 11/18/2021, 11:04:17 AM

Modified: 11/18/2021, 11:04:17 AM

Abstract

The screenshot displays the Overleaf web interface. On the left, the navigation sidebar includes the Overleaf logo, a 'New project' button, and a list of project categories: 'All projects', 'Your projects', 'Shared with you', 'Archived projects', and 'Trashed projects'. Below these is the 'ORGANIZE TAGS' section with a '+ New tag' button. At the bottom of the sidebar is a user profile icon circled in pink, with a question mark icon next to it. The main content area is titled 'All projects' and features a search bar and a list of project items, each with a checkbox and a title. A dropdown menu is open over the user profile icon, showing the email address 'miriam.petrilli@epfl.ch' and three menu items: 'Account settings' (circled in pink), 'Subscription', and 'Log Out' with an external link icon. At the bottom of the page, there are two icons: a question mark and a user profile icon.

## Reference managers



### Papers integration

With the Papers integration, you can import your references into Overleaf or dynamically search your Papers library directly from Overleaf. [Learn more](#)



### Zotero integration

With the Zotero integration, you can import your references into Overleaf or dynamically search your Zotero library directly from Overleaf. [Learn more](#)



### Mendeley integration

With the Mendeley integration, you can import your references into Overleaf or dynamically search your Mendeley library directly from Overleaf. [Learn more](#)

The screenshot shows the Overleaf interface. The 'Menu' is open, and the 'Add files' option is selected, which has opened a sub-menu. In this sub-menu, the 'From Zotero' option is highlighted with a pink circle. To the right, a dialog box titled 'Add files' is open, showing the 'Import a BibTeX file from your Zotero account' section. This section includes an information message: 'You can now search and add references from your Zotero library without needing to import files—just type `\cite{}` in your .tex file. [Learn more](#)'. Below this, there are three input fields: 'Library' (set to 'My Library'), 'File Name In This Project' (set to 'references.bib'), and 'Format' (set to 'BibTeX'). At the bottom right of the dialog are 'Cancel' and 'Create' buttons.

Create your Zotero account on [Zotero.org](https://www.zotero.org) and start working in group

The screenshot displays the Zotero web interface. At the top, the navigation bar includes 'Home', 'Web Library', 'Groups', 'Documentation', 'Forums', and 'Get Involved'. A search bar is located on the right. Below the navigation bar, the 'Groups' page is shown, featuring a list of groups and a search bar. The 'Zotero Groups' section is highlighted with a pink oval, showing options to 'Search for Groups' and 'Create a New Group'. Below this, three groups are listed: 'Citation images' (2 members), 'EDCH' (5 members), and 'EPFL\_library\_formations' (8 members). The 'EPFL\_library\_formations' group is highlighted with a pink oval. To the right, a list of items is displayed, including titles like 'Allow patents on AI-generated inventions' and 'Digital Enhancement of Student-Centred Learning in Universities'. The 'EPFL\_library\_formations' group is also highlighted in the list of items.

zotero

Welcome, [Mirizot](#) · [Settings](#) · [Inbox](#) · [Download](#) · [Log Out](#)

[Upgrade Storage](#)

Home Web Library **Groups** Documentation Forums Get Involved

Home > Groups

## Zotero Groups

[Search for Groups](#) · [Create a New Group](#)

### Citation images

[Group Library](#)

<b>Members</b>	2
<b>Group Type</b>	Private
<b>Group Library</b>	Only members can view and edit

### EDCH

[Group Library](#)

<b>Members</b>	5
<b>Group Type</b>	Private
<b>Group Library</b>	Only members can view and edit

### EPFL\_library\_formations

[Group Library](#)

<b>Members</b>	8
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Group Libraries

- Citation images
- EDCH
- EPFL\_library\_formations**
- HUM-444 Japan 2022
- HUM-444\_2024
- Le radar des p'tits hu...
- MA\_criminologie
- Metadata Power
- ORCID\_EPFL
- Re-Imagining doctoral...

Trash

Group Libraries

Title	Creator
Allow patents on AI-generated inventions — for the good of science	Abbott
Digital Enhancement of Student-Centred Learning in Universities	Akhmed-Zaki et al.
Interactive Robot as Classroom Learning Host to Enhance Audience Participation in Digital Learning Th...	Al Hakim et al.
arXiv announces new policy on ChatGPT and similar tools	ame5
Serious Game Motivation in an EFL Classroom in Chinese Primary School	Anyaegbu et al.
A quasi experiment on how the field of librarianship can help in combating fake news	Apuke and Gever
Ethical dimensions of algorithmic literacy for college students: Case studies and cross-disciplinary c...	Archambault et al.
Automatic Recognition of Learning Resource Category in a Digital Library	Banerjee et al.
Mathematic Education Support by Digital Learning Objects	Bartek and Nocar
Les bibliothèques et l'IA : le cas de Chat GPT	Bats et al.
Synthèse d'une série d'entretiens menés avec des professionnels IST, chargés de l'accompagnement d...	Baudry et al.
Machine, écris-moi vite ça! - Horizons	Baumann
Digital distance learning	Bergene et al.
Investigating curriculum integrated information literacy	Bernard
A Practical Guide for Generative AI Use in Research	Bhosale
L'IA dans la recherche documentaire	Bibliothèque universi...
Who's downloading pirated papers? Everyone	Bohannon
ChatGPT User Guide For Libraries	Bozkurt
FLIGBY—A Serious Game Tool to Enhance Motivation and Competencies in Entrepreneurship	Buzády and Almeida
MLA-CCCC Joint Task Force on Writing and AI Working Paper: Overview of the Issues, Statement of Pri...	Byrd and Flores
Digital Learning Model	Cakula
The Students' Perceptions of Digital Game-Based Learning	Camilleri and Camilleri
Effects of digital game-based learning on students' digital commerce literacy and learning engagement	Chen et al.

# Working in group with Zotero

- You must have an account to create a new group
- The group owner stores the group files in her/his own Zotero account
- As a group :
  - Define rules (tree structure, file naming, adding tags and notes)
  - Check the quality of metadata
  - Respect the work done by others

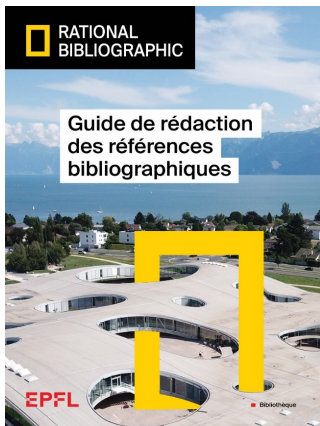
# The EPFL Library

# The EPFL Library – Collections & Tools

- Collections web page has the tools to search for:
  - Books and eBooks
  - Journals, magazines
  - Scientific articles and conference papers
  - Standards, patents
  - Etc.
- **BEAST** library catalogue (also gives access to databases):
  - [go.epfl.ch/beast](http://go.epfl.ch/beast)
- Research grid template

# The EPFL Library – Services

- **Our website**
  - [go.epfl.ch/library](https://go.epfl.ch/library)
- **Training**
  - <https://go.epfl.ch/library-training>
- **Services for students**
  - <https://go.epfl.ch/library-students>
- **Book a librarian**
  - <https://go.epfl.ch/bookalibrarian>



Refer to our **Rational Bibliographic guide** to create and verify your references:

[go.epfl.ch/guide-bibliographique](https://go.epfl.ch/guide-bibliographique)

GAGNER DU TEMPS ET RÉALISER DE MEILLEURS TRAVAUX



1 PRÉPARER  
LA RECHERCHE



2 RECHERCHER  
L'INFORMATION



3 ANALYSER  
L'INFORMATION



4 RÉDIGER  
UN TRAVAIL

Use **Infosphère** our **Information Literacy plateforme** to search, analyse, use and cite information in your works: [go.epfl.ch/guide-bibliographique](https://go.epfl.ch/guide-bibliographique)

Zotero

Citation

Databases



AI

BEAST

Library services

Plagiarism



Thanks for your feedback!

Thanks!



CONTACT



[formations.bib@epfl.ch](mailto:formations.bib@epfl.ch)



[library.epfl.ch](http://library.epfl.ch)



[Book a librarian](#)