

How To Take The Best From Scholarly Communication

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What is it about?

1. Doctypes / reviews
2. Open access
3. Peer reviewing processes
4. Impact factor
5. Search engine / bibliographical database / publisher's website

1. Doctypes

The goal of scientific literature is to provide **accurate, reliable** and **current** information.

- Range of formats
- Range of audiences
- Authoritative
- Contemporary account of a topic

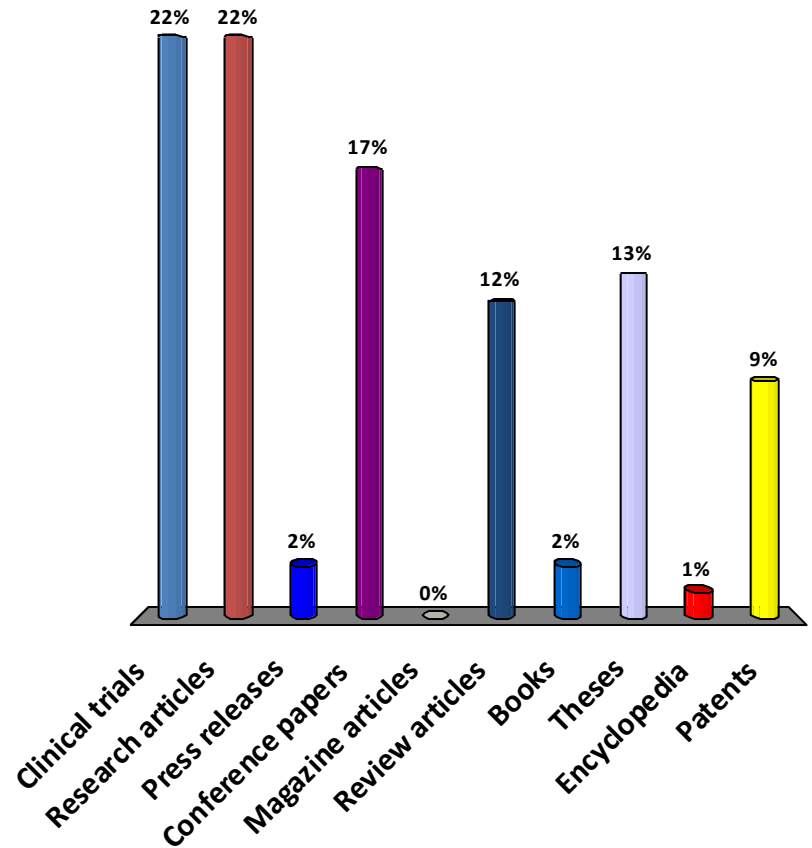


Have a look on...

[the list of scientific publications
from the National Library of Medicine](#)

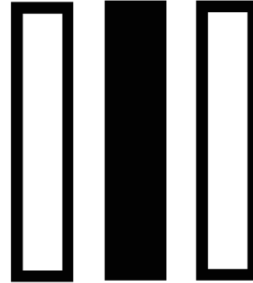
Which types of publication are specialized (VS popular)?

- ✓ A. Clinical trials
- ✓ B. Research articles
- C. Press releases
- ✓ D. Conference papers
- E. Magazine articles
- ✓ F. Review articles
- ✓ G. Books
- ✓ H. Theses
- I. Encyclopedia
- ✓ J. Patents



Specialized publications

Clinical trials
Research articles
Conference papers
Review articles
Theses
Patents



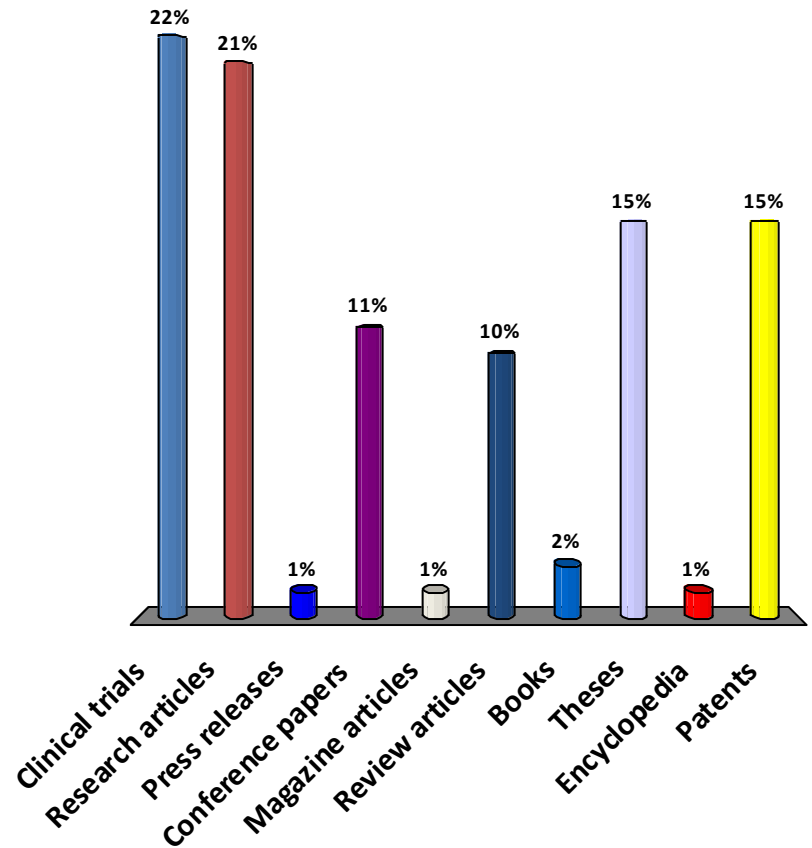
Books

Popular publications

Press releases
Magazine articles
Encyclopedia

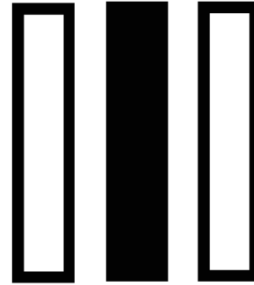
Which types of publications are specific (VS generalized)?

- ✓ A. Clinical trials
- ✓ B. Research articles
- ✓ C. Press releases
- ✓ D. Conference papers
- E. Magazine articles
- ✓ F. Review articles
- ✓ G. Books
- ✓ H. Theses
- I. Encyclopedia
- ✓ J. Patents



Specific publication

Clinical trials
Research articles
Conference papers
Theses
Patents



Generalized publication

Press releases
Review articles
Books

Magazine articles
Encyclopedia

Take care of...

What type of information you need to know
where to look for it

- Books: generalized & reliable information
- Articles: specific & current content



Have a look on...

[the video «Evaluating sources»
by the Western University Library](#)

1. bis. A review

Brainstorming

What does it mean?

In which context?

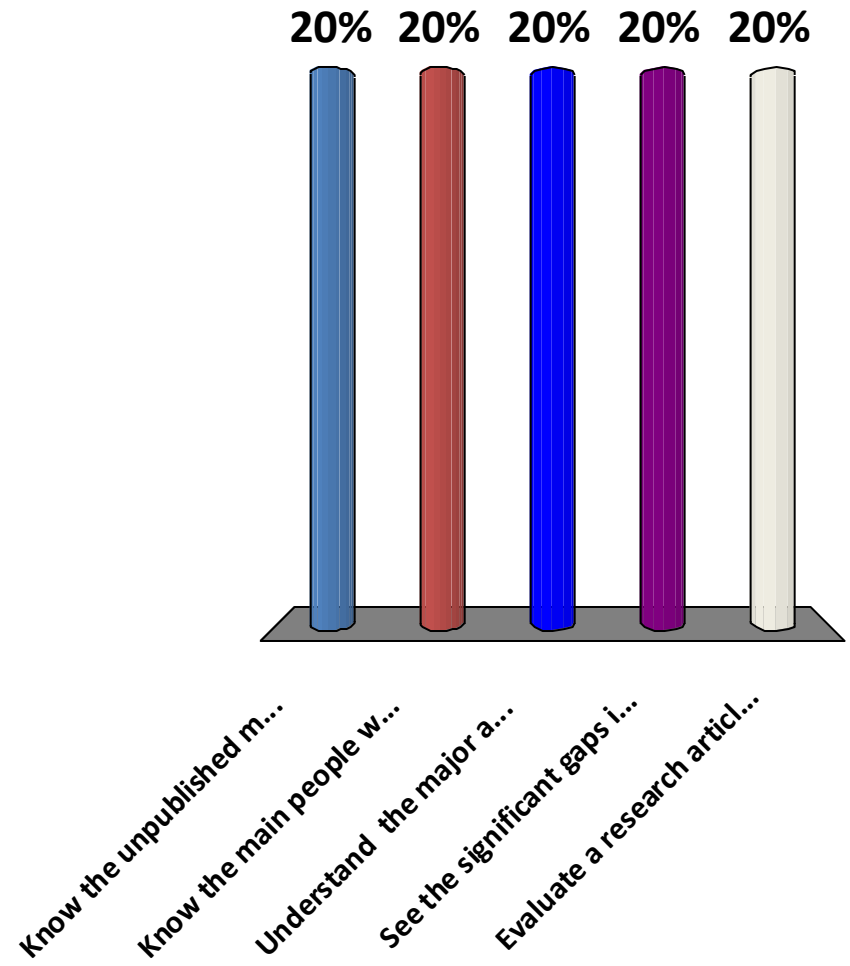


Have a look on...

[the handbook *Doing Your Literature*
Review by Jesson & Matheson \(2011\)](#)

Reading a review provides you to...

- A. Know the unpublished material on a subject
- ✓ B. Know the main people working on a field
- C. Understand the major advances, discoveries, current debates in several fields
- ✓ D. See the significant gaps in the research
- E. Evaluate a research article in particular



Take care of...

Some journals must clearly be preferred to others, because all review articles are not equal in quality

- Reviews from scientific journals
- Reviews from journals specially dedicated to reviews



Have a look on...

[The option «reviews filter» in Web Of Science Core Collection DTB](#)

2. Open access

“OA is the free, immediate, **availability on the public Internet** of those works which scholars give to the world **without expectation of payment...**

...permitting any user to read, download, copy, distribute, print, search or link to the full text of these articles, crawl them for indexing, pass them as data to software or use them for any other lawful purpose”

(SPARC, Why Open Access?)

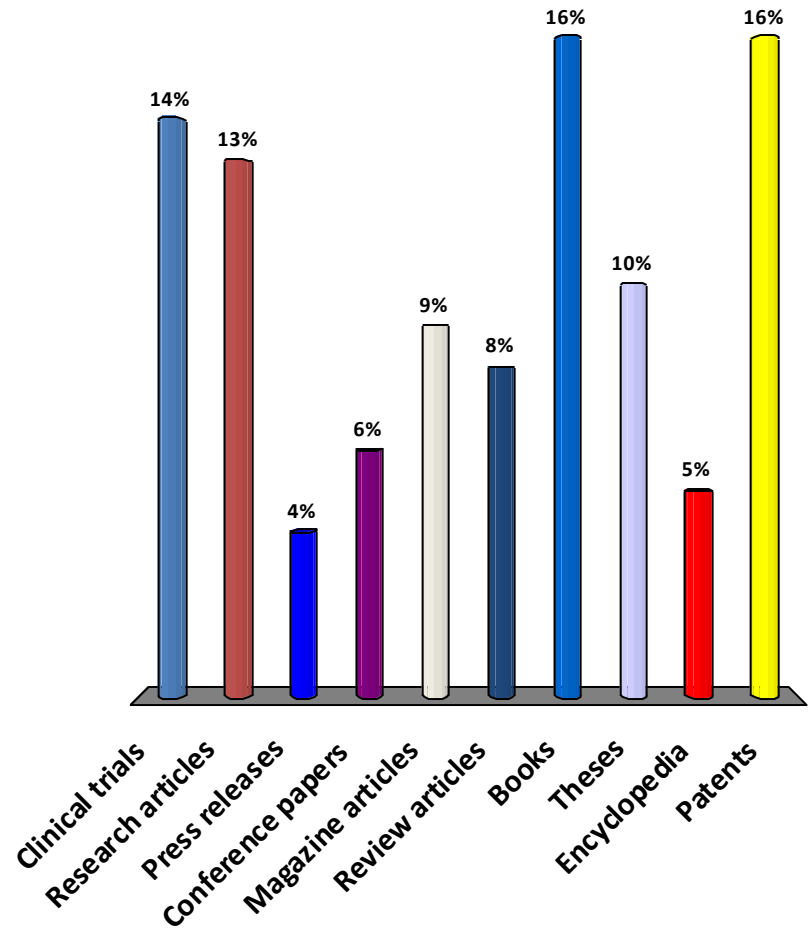


Have a look on...

[The video «Open Access explained»
By PhDcomics](#)

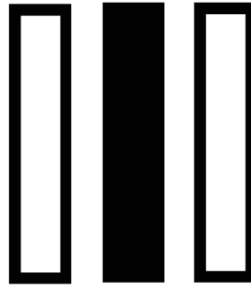
Which publications are generally under copyright (VS free to users)?

- ✓ A. Clinical trials
- ✓ B. Research articles
- C. Press releases
- ✓ D. Conference papers
- ✓ E. Magazine articles
- ✓ F. Review articles
- ✓ G. Books
- H. Theses
- ✓ I. Encyclopedia
- ✓ J. Patents



Publications under
COPYRIGHT

Conference papers
Magazine articles
Books



Clinical trials
Research articles
Review articles
Encyclopedia

Publication
FREE to users

Press releases
Theses

Take care of...

What are your rights to reuse OA publications that you can read

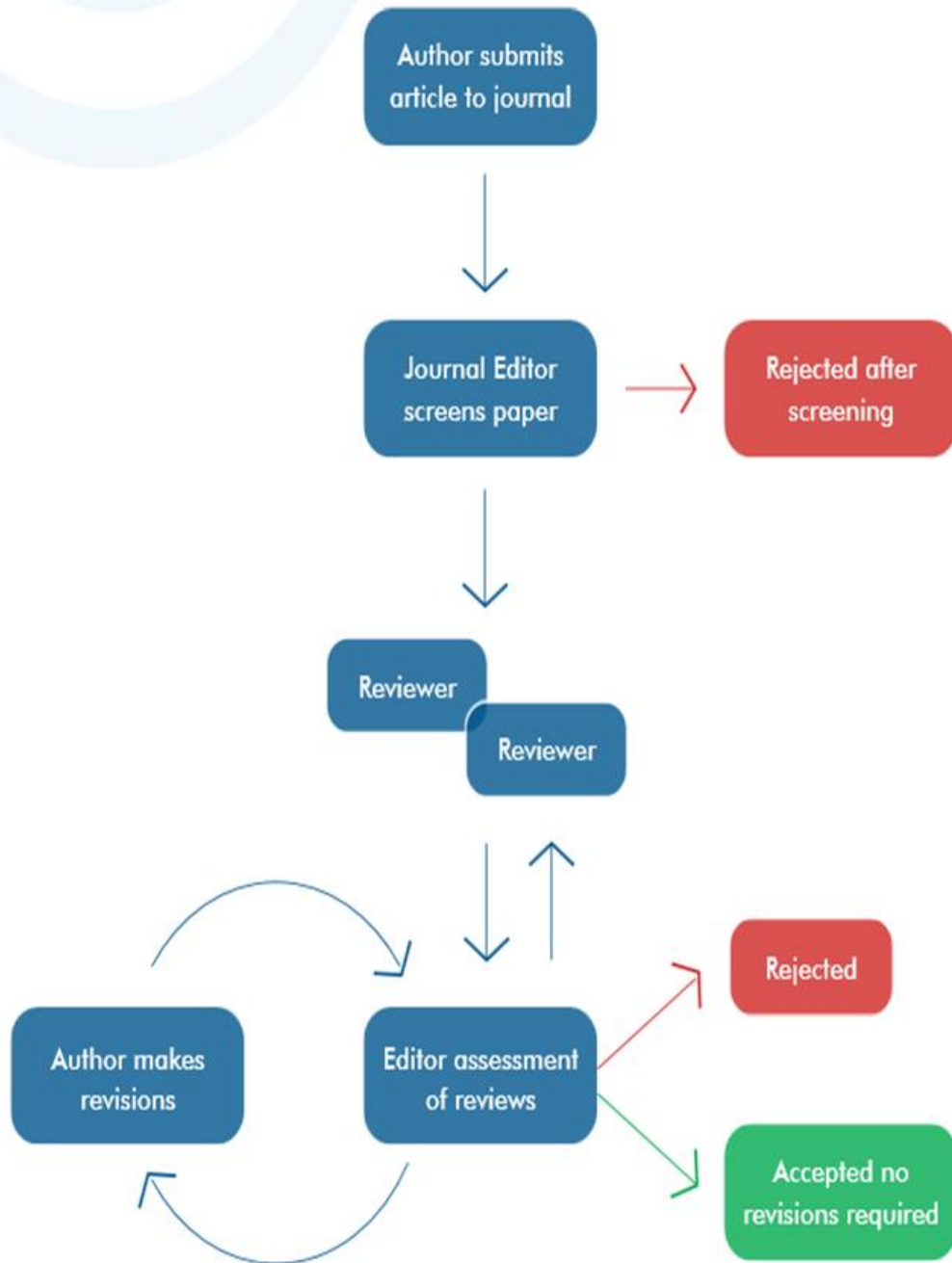
- «Free» = gratis (access) + libre (copyright)
- Licence Creative Commons
- Educational purposes



Have a look on...

[The ROAD website](#) = Directory of open access scholarly resources

3. Peer reviewing

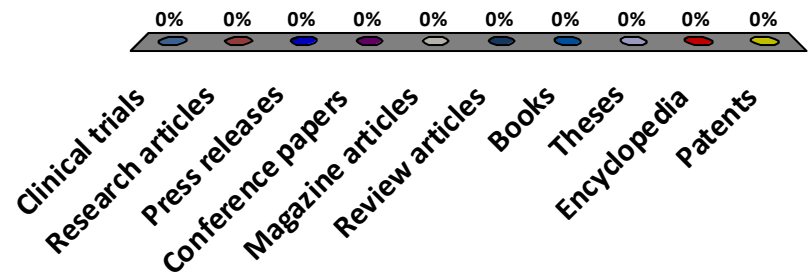


Have a look on...

[The video « Peer Review in 3 Minutes »](#)
[By libncsu](#)

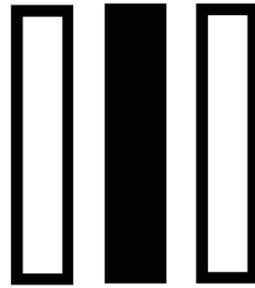
Which types of document are peer reviewed?

- ✓ A. Clinical trials
- ✓ B. Research articles
- C. Press releases
- D. Conference papers
- E. Magazine articles
- ✓ F. Review articles
- G. Books
- H. Theses
- ✓ I. Encyclopedia
- J. Patents



Peer reviewed publications

Clinical trials
Research articles
Review articles



Encyclopedia

Not peer reviewed publications

Press releases
Magazine articles
Conference papers
Theses
Books
Patents

4. Impact factor

The impact factor (IF) of an academic journal is a **measure reflecting the average number of citations to recent articles published in the journal.**

Impact factors are calculated yearly starting from 1975 for those journals that are indexed in the Journal Citation Reports.

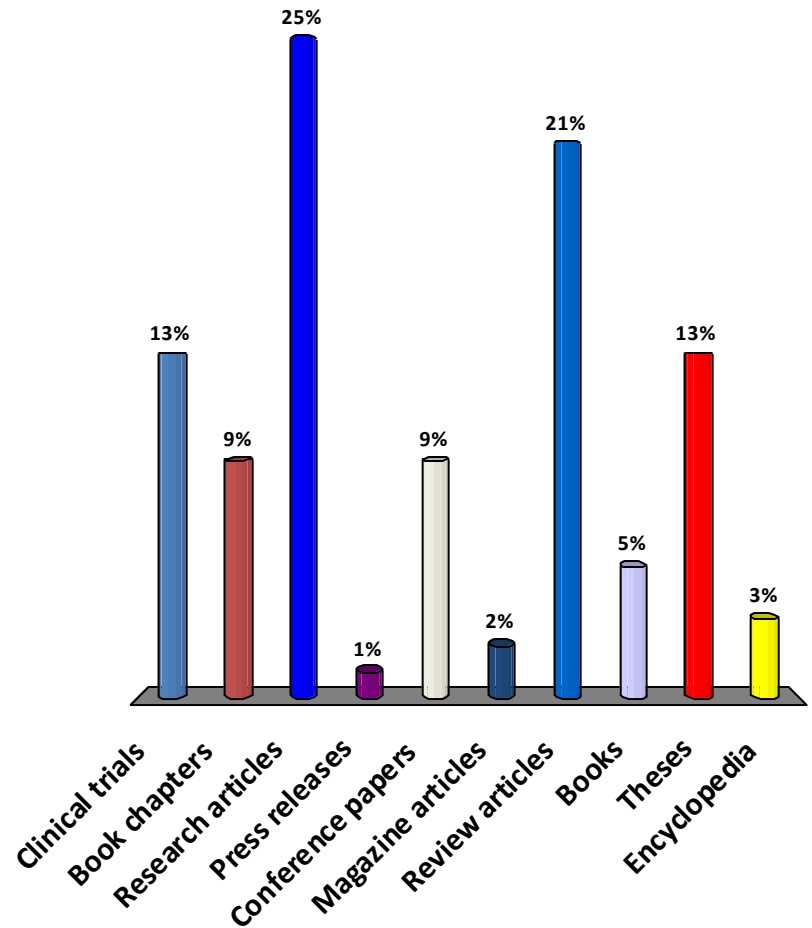


Have a look on...

[Journal Citation Reports
on the Web Of Science platform](#)

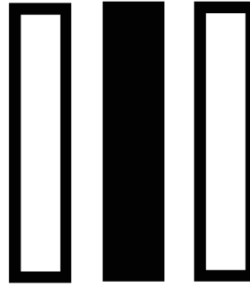
Which types of publications have their citations counted?

- ✓ A. Clinical trials
- B. Book chapters
- ✓ C. Research articles
- D. Press releases
- ✓ E. Conference papers
- F. Magazine articles
- ✓ G. Review articles
- ✓ H. Books
- I. Theses
- J. Encyclopedia



Highlighted publications

Clinical trials
Research articles
Review articles
Conference papers



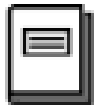
Books

Non Highlighted publications

Theses
Press releases
Magazine articles
Encyclopedia
Patents

Your research tools

Doctypes:



books



articles



journals



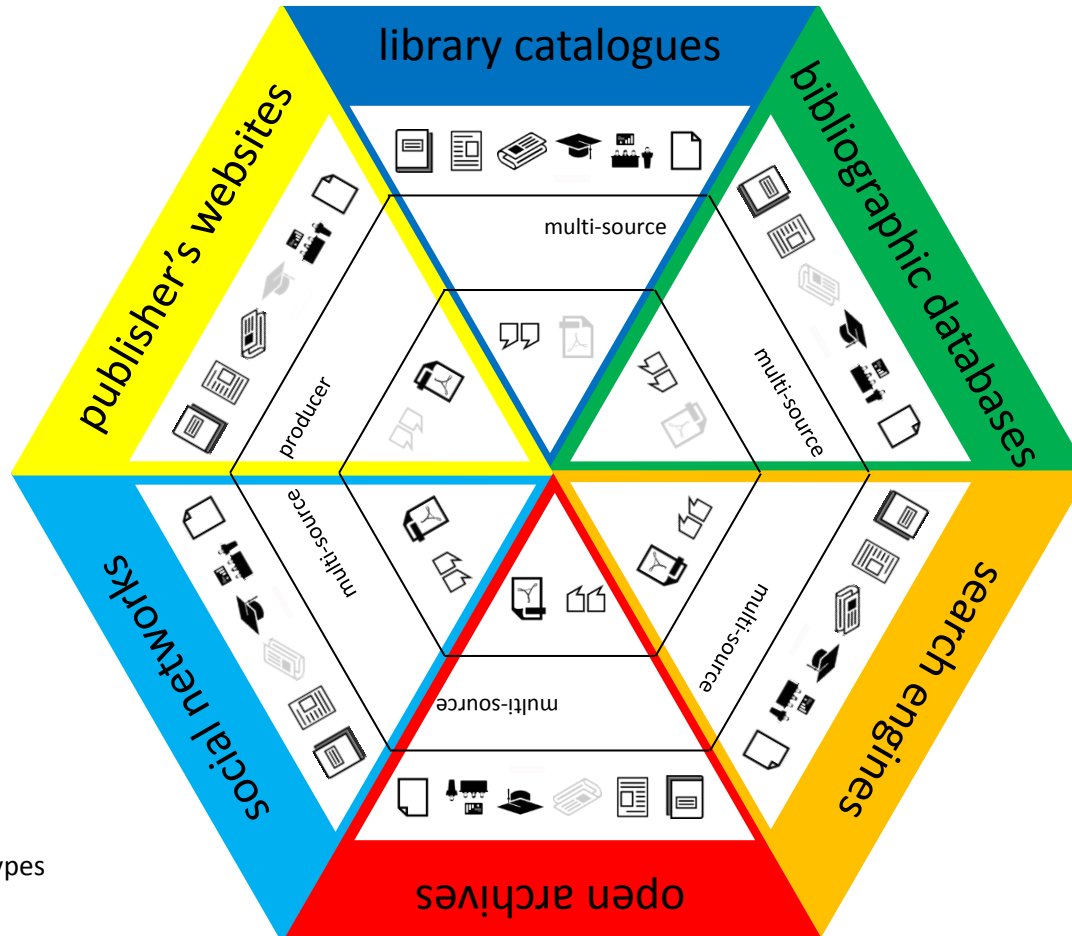
thesis



conference
papers



other document types



Examples:



Scopus



ScienceDirect

Take care of...

What are inside each tool you use when you search information, publication, bibliographical references...

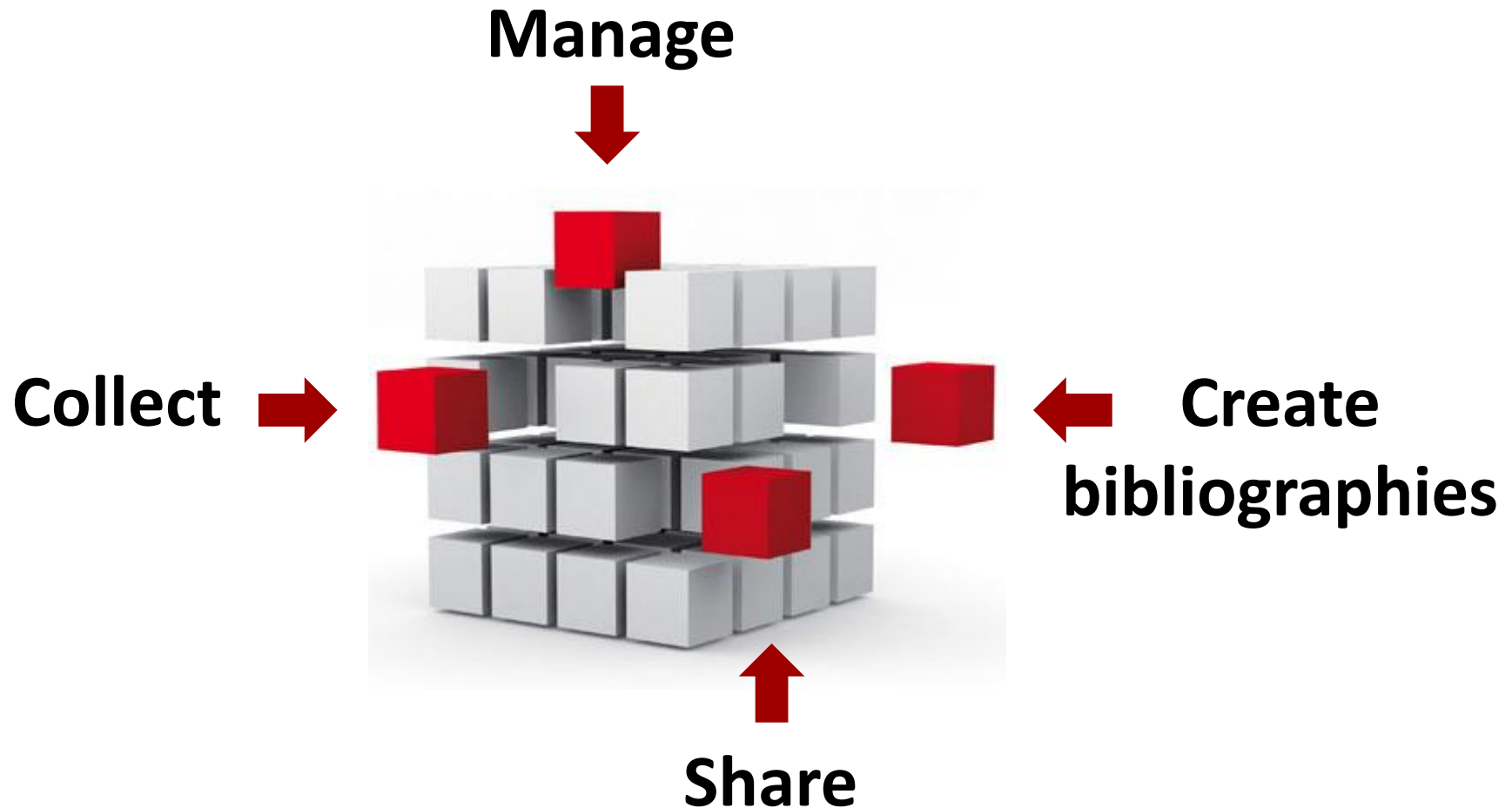
- Search engine = a lot of ressources but...
- Bibliographical database = citations
- Publisher's website = full-text documents



Have a look on...

[Our library catalogue = BEAST](#)

Keep track of your findings with Zotero

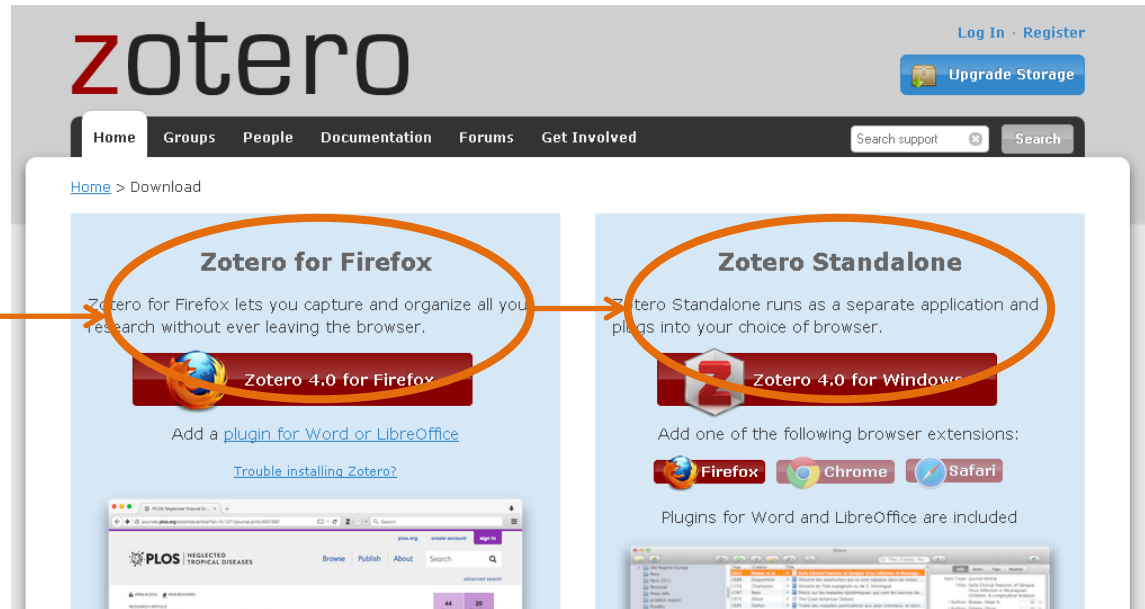


INSTALL

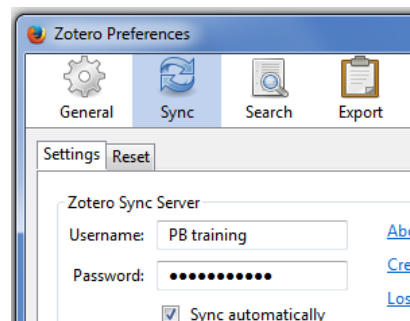
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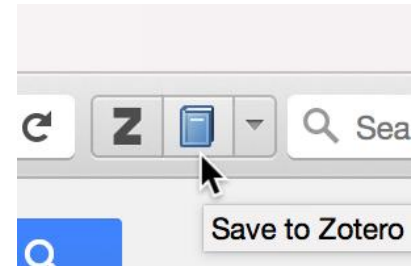


COLLECT

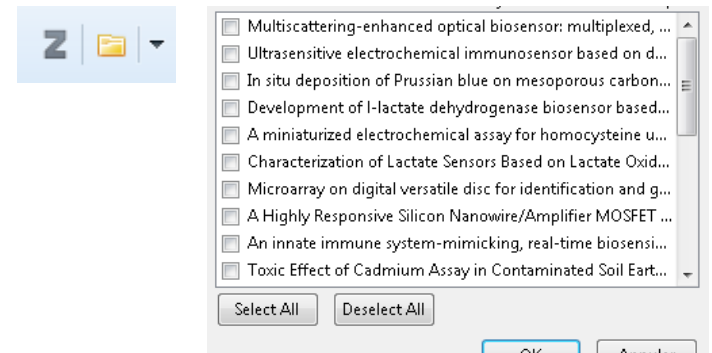
Easy to grab an item

Zotero identifies automatically
a lot of document types

Save several items at once



Blog Post
Book
Book Section
Case
Computer Program
Conference Paper
Dictionary Entry
Document
E-mail
Encyclopedia Article
Film
Forum Post
Hearing
Instant Message
Interview
Journal Article
Lecture



MANAGE

Library + collections

References of the current collection

The screenshot displays a library management application. On the left, a sidebar shows a tree view of collections: 'My Library' (containing 'Breast cancer', 'CDK Inhibitor Proteins', 'Gastric cancer', 'Duplicate Items', 'Unfiled Items', and 'Trash') and 'Group Libraries' (containing 'biosensortechologies' and 'Trash'). The 'Gastric cancer' collection is selected. The main area shows a list of references with columns for 'Title' and 'Creator'. The 'Info' tab on the right shows metadata for a selected journal article.

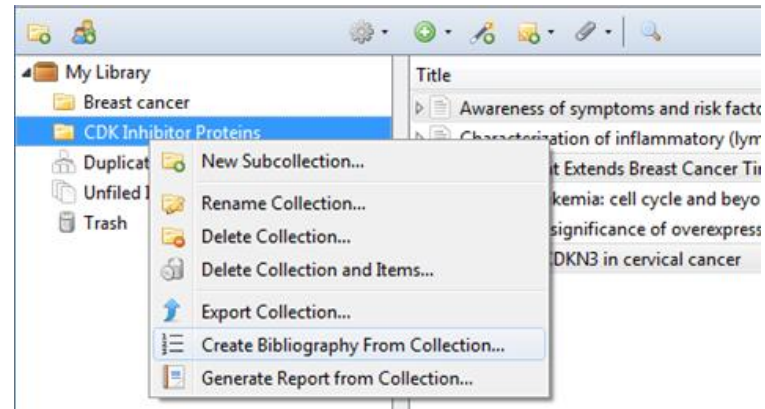
Title	Creator
14-3-3 ϵ functions as an oncogene in SGC7901 gastric cancer cells through involvement of cyclin E and p27kip1	Gong et al.
A aberrant DNA methylation of the P16, MGMT, and hMLH1 genes in combination with the methylenetetrahydrofolate reductase C677T genetic polymorphism and folate intake in g...	Lin et al.
Ablation of galectin-3 induces p27(KIP1)-dependent premature senescence without oncogenic stress	Kim et al.
Analysis of the methylation patterns of the p16 INK4A, p15 INK4B, and APC genes in gastric adenocarcinoma patients from a Brazilian population	do Nascimento Borges et al.
A novel tri-allelic insertion/deletion polymorphism in the promoter of p21(Waf1/Cip1) and the association with gastric cancer	Chen et al.
Clinicopathological importance of Ki-67, p27, and p53 expression in gastric cancer	Çalik et al.
Connexin32 inhibits gastric carcinogenesis through cell cycle arrest and altered expression of p21Cip1 and p27Kip1	Jee et al.
Deregulated expression of circadian clock genes in gastric cancer	Hu et al.
Effects of microRNA-106 on proliferation of gastric cancer cell through regulating p21 and E2F5	Yao et al.
Expression of CD24, p21, p53, and c-myc in alpha-fetoprotein-producing gastric cancer: Correlation with clinicopathologic characteristics and survival	Liu et al.
Expression of p27Kip1 protein in gastric carcinoma	Aoyagi et al.
Inhibiting enhancer of zeste homolog 2 promotes cellular senescence in gastric cancer cells SGC-7901 by activation of p21 and p16	Bai et al.
Interleukin polymorphisms and differential methylation status in gastric cancer: an association with Helicobacter pylori infection	da Costa et al.
p16 Methylation is associated with chemosensitivity to fluorouracil in patients with advanced gastric cancer	Wang et al.
Role of p16 gene promoter methylation in gastric carcinogenesis: a meta-analysis	Wang et al.
Shikonin induces cell cycle arrest in human gastric cancer (AGS) by early growth response 1 (Egr1)-mediated p21 gene expression	Kim et al.
STAT3 interacts with Skp2/p27/p21 pathway to regulate the motility and invasion of gastric cancer cells	Wei et al.

Item Type: Journal Article
Title: Analysis of the methylation patterns of the p16 INK4A, p15 INK4B, and APC genes in gastric adenocarcinoma patients from a Brazilian population
Author: do Nascimento B..., Bár...
Author: Burbano, Rommel Mari...
Author: Harada, Maria Lúcia
Abstract: Gastric cancer is a major public health ...
Publication: Tumour Biology: The Journal of the International Society for Oncodevelopmental Biology and Medicine
Volume: 34
Issue: 4
Pages: 2127-2133
Date: Aug 2013

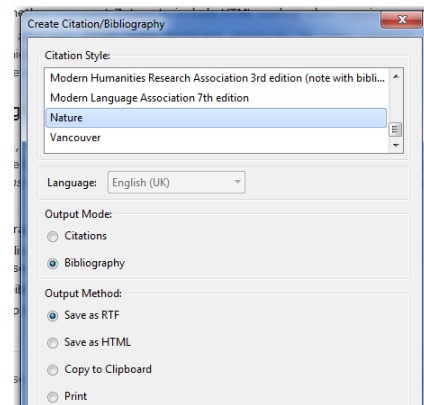
Reference metadata

CREATE YOUR BIBLIOGRAPHY

**Highlight one collection
or a selection of items
Right-click to create a bibliography**



Select your citation style



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Biosensortechnologies

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Public, Open Membership

Anyone can view your group online and join the group instantly.

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Public, Closed Membership

Anyone can view your group online, but members must apply or be invited.

☐ Choose Public, Closed Membership

Private Membership

Only members can view your group online and must be invited to join.

☐ Choose Private Membership

Create Group

Invite Members

Group: [biosensortechnologies](#)

Invite Members



CONTACT



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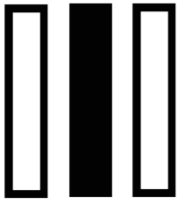


Library desk: Mon-Fri 8am-8pm



library.epfl.ch

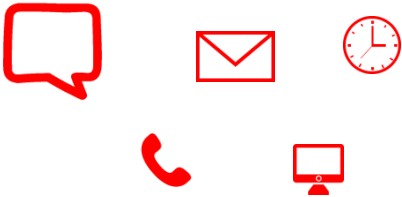
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