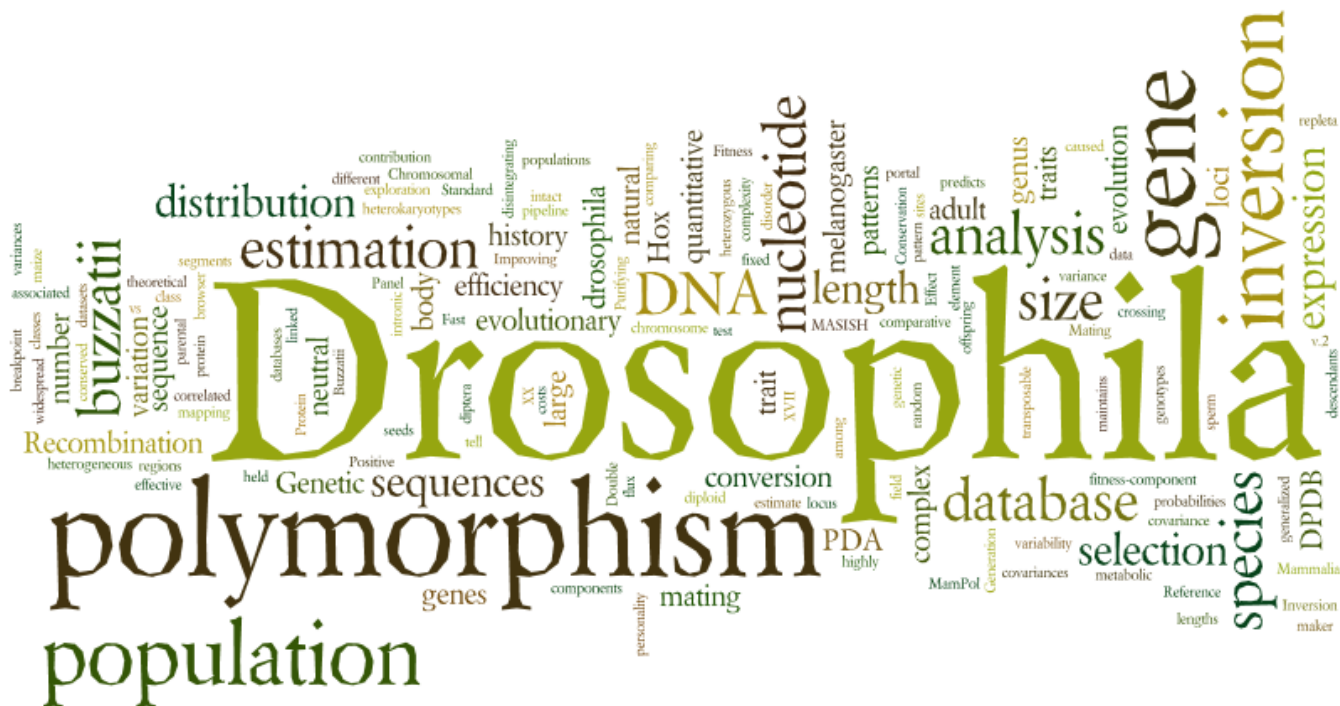




The UAB library resources for the *MSc in Bioinformatics*

by Tomàs Fabregat
Research support librarian

Today's topics

- Getting books from your *libraries*. Off-Campus access
- Online bibliographic information sources
- Managing references (Mendeley)
- Open Access

Getting books from your libraries





Consorti de
Serveis Universitaris
de Catalunya

Membres

El CBUC està format per les institucions següents:

Membres del CBUC

Universitat de Barcelona B C		Universitat de Lleida B C	
Universitat Autònoma de Barcelona B C		Universitat Rovira i Virgili B C	
Universitat Politècnica de Catalunya B C		Universitat Oberta de Catalunya B C	
Universitat Pompeu Fabra B C		Biblioteca de Catalunya B C	
Universitat de Girona B C		Departament d'Economia i Coneixement. Secretaria d'Universitats i Recerca B C	

PUC (Yes, I can)

Consortial borrowing service



The library website



www.uab.cat/biblioteques/
www.uab.cat/bibliotecas/
www.uab.cat/libraries/

Off-campus access

Libraries

Science and Technology Library ▶
Social Sciences ▶
Map Library ▶

Students

Recommended

Presentations ▶
Citations and bibliography ▶
Help guides ▶

Teachers

Recommended

How to publish in open access ▶
Research assessment and
accreditation ▶
Other resources for research ▶

Direct Links

Remote access ▶
Courses ▶
E-Journals ▶
Course bibliography ▶
New acquisitions ▶
Interlibrary loan ▶
RefWorks ▶



Help



Accreditation



DDD



Exhibitions



Schedules



Maps



Press



Thesis



Trobador



Tutorials



Off-campus access

- Free service
- For paywall electronic resources
- UAB credentials are required



Introducing some reliable information sources to you



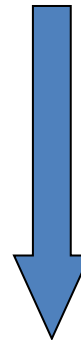
SECONDARY SOURCES

Reference or literature databases

Peer reviewed



Indexed by



PRIMARY SOURCES

published and unpublished literature
Full-text platforms and OA repositories

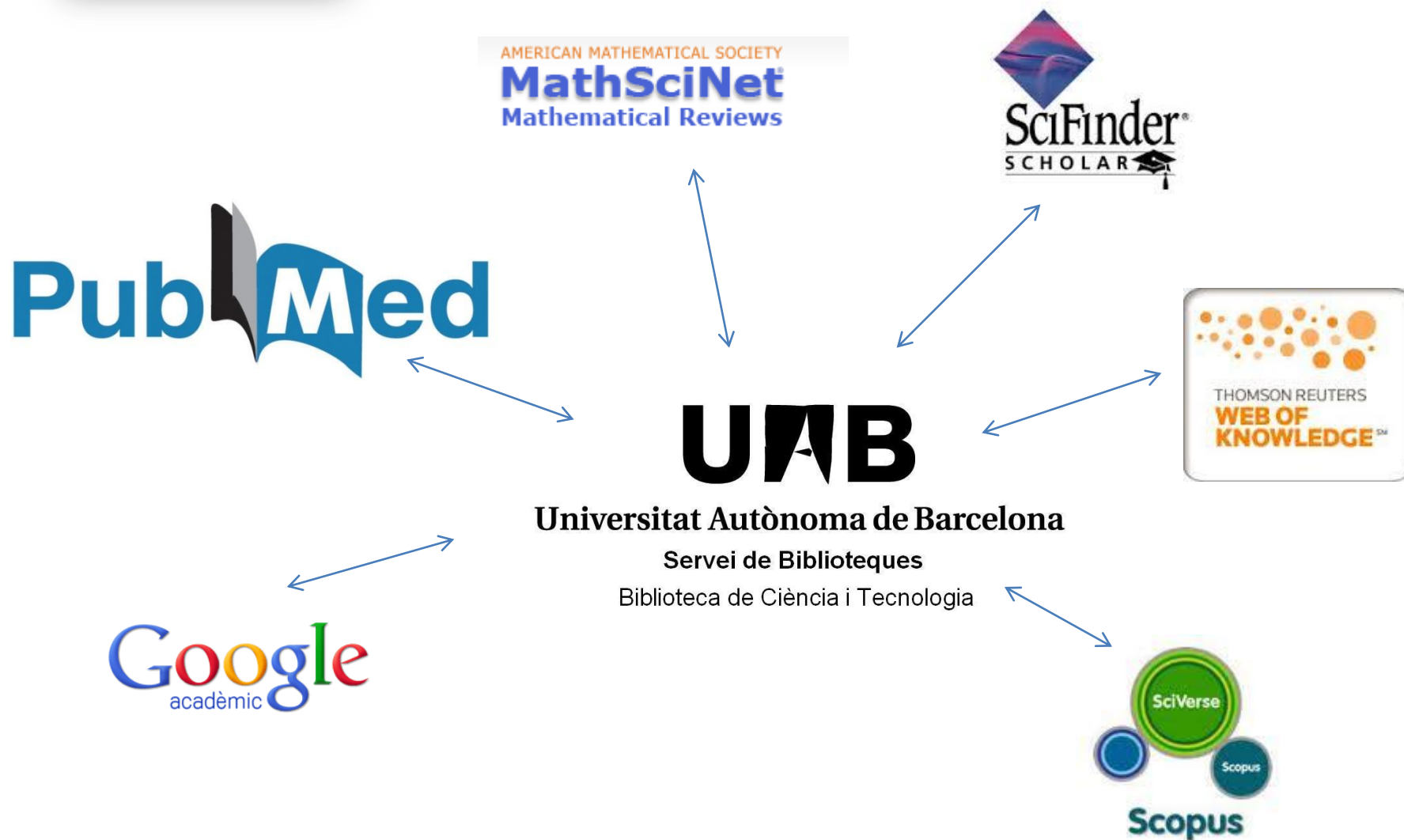
Information sources at your fingertips

- Published literature (ScienceDirect, SpringerLink, PLOS, IEEE, etc.)
- Unpublished literature (OA repositories)
- Reference or bibliographic databases (WOK, SCOPUS, etc.)
- Search engines (Google Scholar, etc.)

Full-text primary sources



Major reference databases



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Formació d'usuaris

What are reference databases for?

- Bibliographic information
- Searching and filtering functionalities
- Downloading functionalities (BibTex)
- Should be linked to you library collection

How to get a paper? Is it open access or pay-wall?
Does your library have the original papers, online or printed?



[UAB - Biblioteca Digital](#)

RESEARCH

Bioinformatics of Genomics Diversity

(Unit: [Genomics in Evolution and Disease](#))

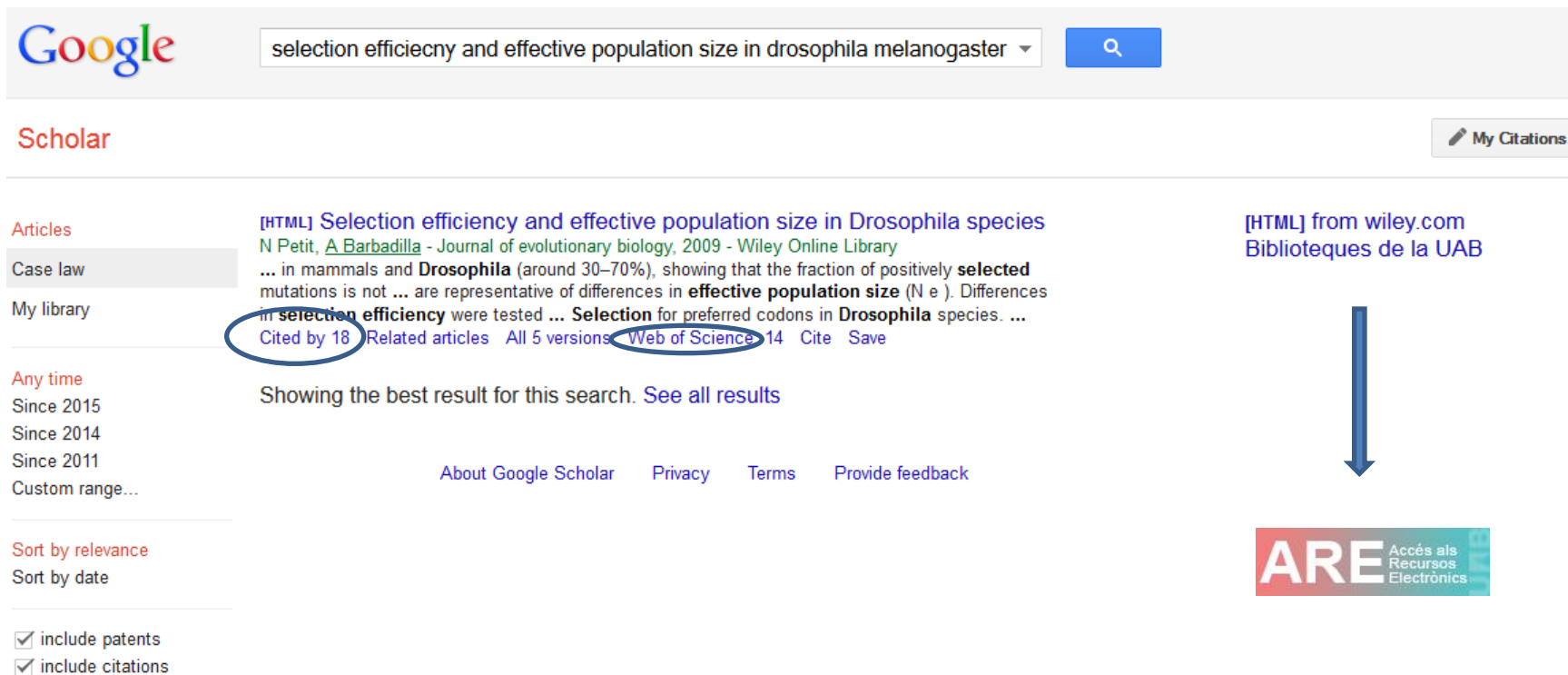
[Group information](#)

[Members](#)

[Articles](#)

- Petit, N. and A. Barbadilla (2009). The efficiency of purifying selection in Mammals vs *Drosophila* metabolic genes. [J. Evol. Biology](#) 22: 2118-2124.
- Petit, N. and A. Barbadilla (2009). Selection efficiency and effective population size in *Drosophila* species. [J. Evol. Biology](#) 22: 515-526.
- Egea, R., S. Casillas and A. Barbadilla (2008). Standard & Generalized McDonald and Kreitman test: a website to detect selection by comparing different classes of DNA sites. [Nucleic Acids Res.](#) 2008 July 1; 36 (Web Server issue): W157-W162.
- Casillas, S., R. Egea, N. Petit, C. Bergman and A. Barbadilla (2007). *Drosophila* Polymorphism Database (DPDB): a portal for nucleotide polymorphism in *Drosophila*. [Fly](#) 1 (4): 205-211.
- Casillas, S., A. Barbadilla and C. Bergman (2007). Purifying selection maintains highly conserved noncoding sequences in *Drosophila*. [Mol Biol Evol](#) doi:10.1093/molbev/msm150.
- Petit, N., S. Casillas, A. Ruiz and A. Barbadilla (2007). Protein polymorphism is negatively correlated with conservation of intronic sequences and complexity of expression patterns in *Drosophila melanogaster*. [Journal of Molecular Evolution](#) 64: 511-518.
- Casillas, S., B. Negre, A. Barbadilla and A. Ruiz (2006). Fast sequence evolution of Hox and Hox-derived genes in the genus *Drosophila*. [BMC Evolutionary Biology](#) 2006, 6:106.
- Egea, R., S. Casillas, E. Fernández, M. A. Senar & A. Barbadilla (2006). MamPol: a database of nucleotide polymorphism in the Mammalia class. [Nucleic Acids Res.](#) 2007 January; 35(Database issue): D624-D629

Google Scholar + ARE



The screenshot shows the Google Scholar interface. The search bar contains the text "selection efficiency and effective population size in drosophila melanogaster". The search results display a single article by N Petit and A Barbadilla from the Journal of evolutionary biology, 2009. The article title is "Selection efficiency and effective population size in Drosophila species". The abstract mentions that the fraction of positively selected mutations is not representative of differences in effective population size (N_e). The article is cited by 18 sources, and the Web of Science link is circled. The article is available as a PDF from Wiley Online Library. The left sidebar shows filters for Articles, Case law, My library, Any time, Since 2015, Since 2014, Since 2011, Custom range..., Sort by relevance, Sort by date, and checkboxes for include patents and include citations. The bottom right corner features the ARE logo (Accés als Recursos Electrònics) and a blue arrow pointing down from the article title.

Google

selection efficiency and effective population size in drosophila melanogaster

Scholar

My Citations

Articles

Case law

My library

Any time

Since 2015

Since 2014

Since 2011

Custom range...

Sort by relevance

Sort by date

☒ include patents

☒ include citations

[HTML] Selection efficiency and effective population size in Drosophila species
N Petit, A Barbadilla - Journal of evolutionary biology, 2009 - Wiley Online Library
... in mammals and **Drosophila** (around 30–70%), showing that the fraction of positively **selected** mutations is not ... are representative of differences in **effective population size** (N_e). Differences in **selection efficiency** were tested ... **Selection** for preferred codons in **Drosophila** species. ...
Cited by 18 Related articles All 5 versions Web of Science 14 Cite Save

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Biblioteques de la UAB

ARE Accés als Recursos Electrònics



FECYT
FUNDACIÓN ESPAÑOLA
PARA LA CIENCIA
Y LA TECNOLOGÍA

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Sciverse Scopus para el
Sistema Español de Ciencia y
Tecnología.

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Está usted en: Inicio

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INFORMACIÓN PARA INVESTIGADORES



LICENCIA NACIONAL



CONTACTO



Formulario de contacto

C/ Pedro Teixeira, 8 (planta 2)
28020 Madrid
Teléfono: (00 34) 91 425 09 09
Fax: (00 34) 91 571 21 72

ATENCIÓN AL USUARIO

Atención personalizada al usuario a través de correo electrónico



CENTRO DE FORMACIÓN

Material de formación y cursos de formación para los investigadores



NOTICIAS



22/08/2012
3º Ciclo formación online - Sciverse Scopus
12/06/2012
Incidencia en datos SCOPUS (12 de junio de 2012)
07/05/2012
2º Ciclo formación online - Sciverse Scopus
16/04/2012
FECYT presenta Scopus a los centros CERCA

Más noticias

What are reference databases for?

Do you want to publish your work? Where?

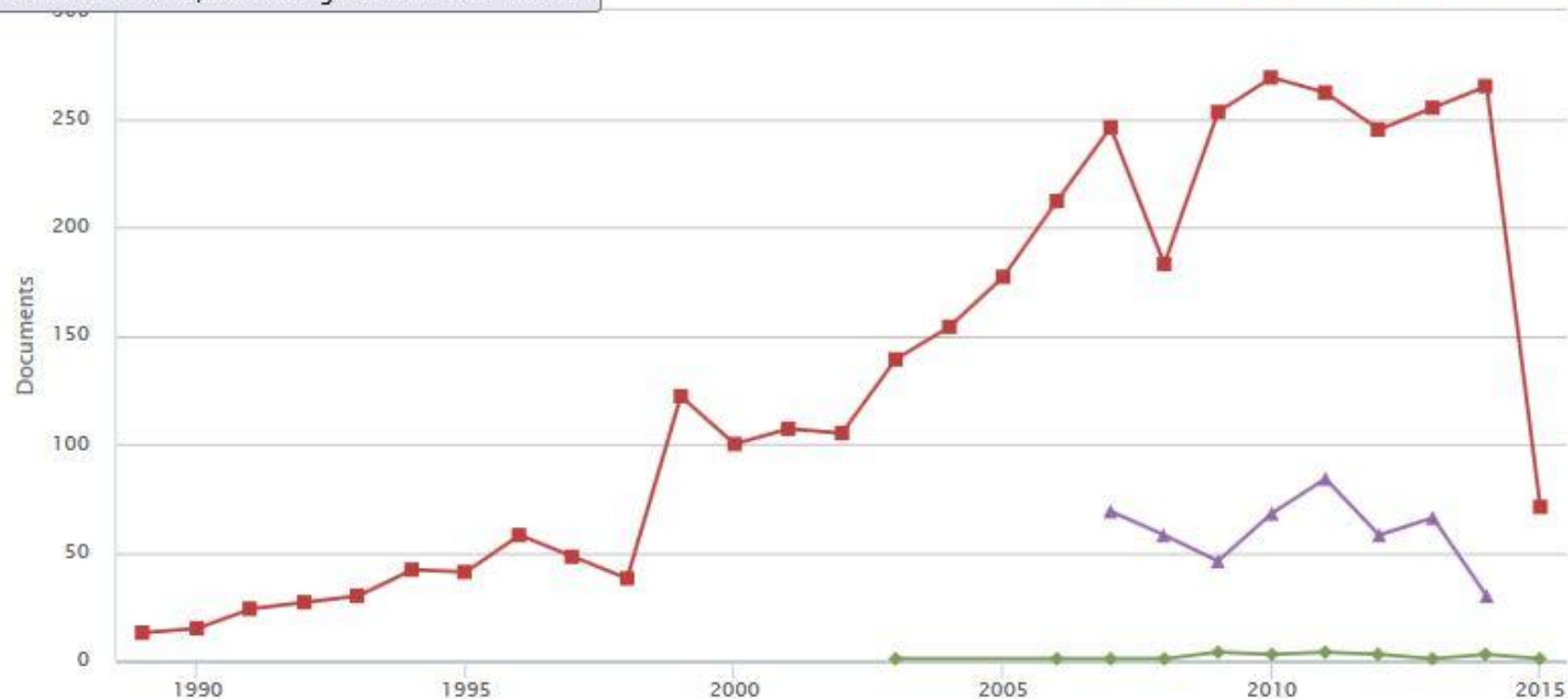
- *Fly*
- *Journal of Evolutionary Biology*
- *BMC Evolutionary Biology*

Are all journals in a good rank position? Which one would you prefer for publishing a paper?

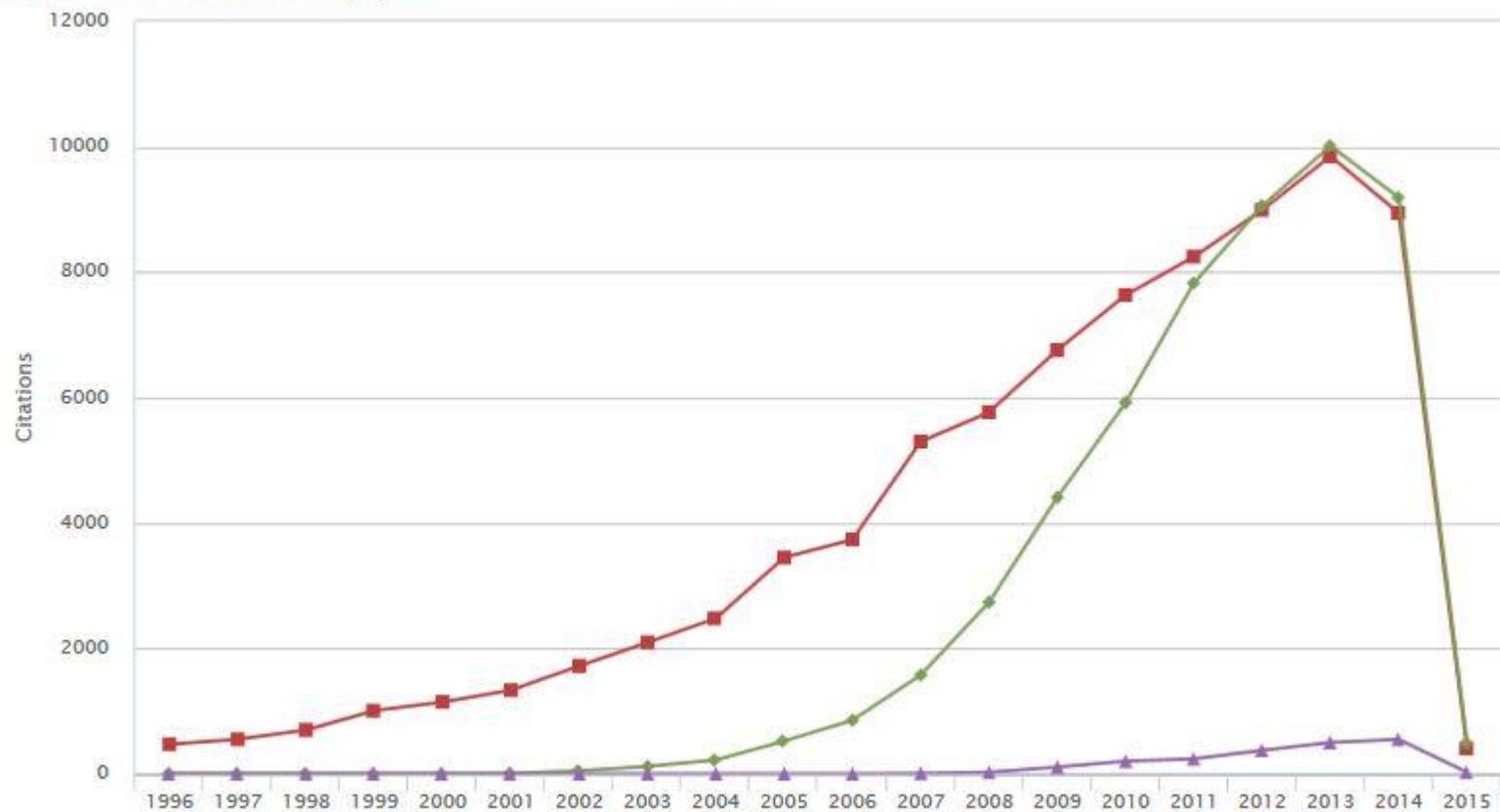
Documents per year by source

Sorted on documents, descending. Click to sort in reverse.

[Compare journals and view SJR, IPP, and SNIP data](#)

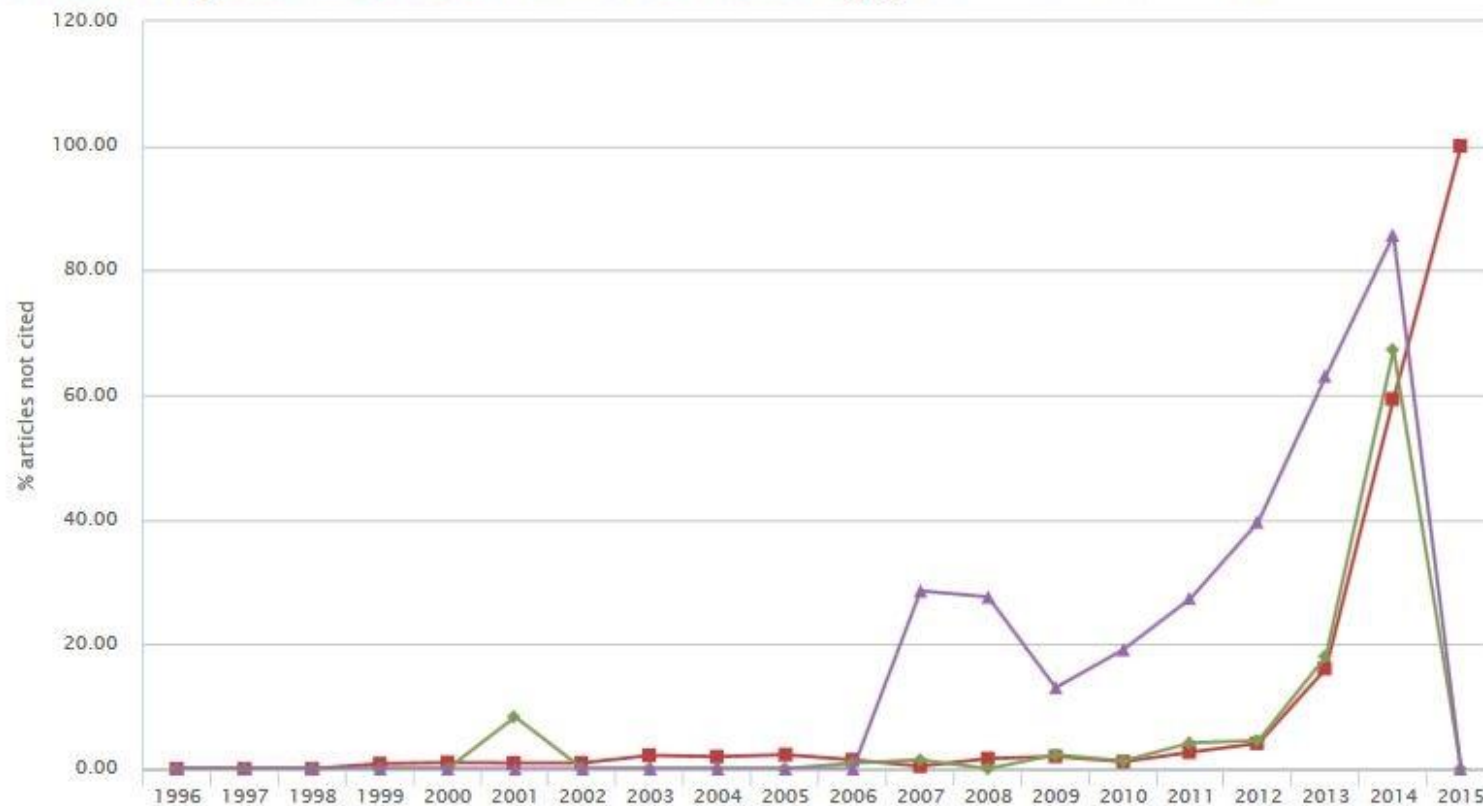


Source citations by year ☐ Exclude journal self citations



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Percent of published documents not cited by year ☐ Exclude journal self citations



SJR

IPP

SNIP

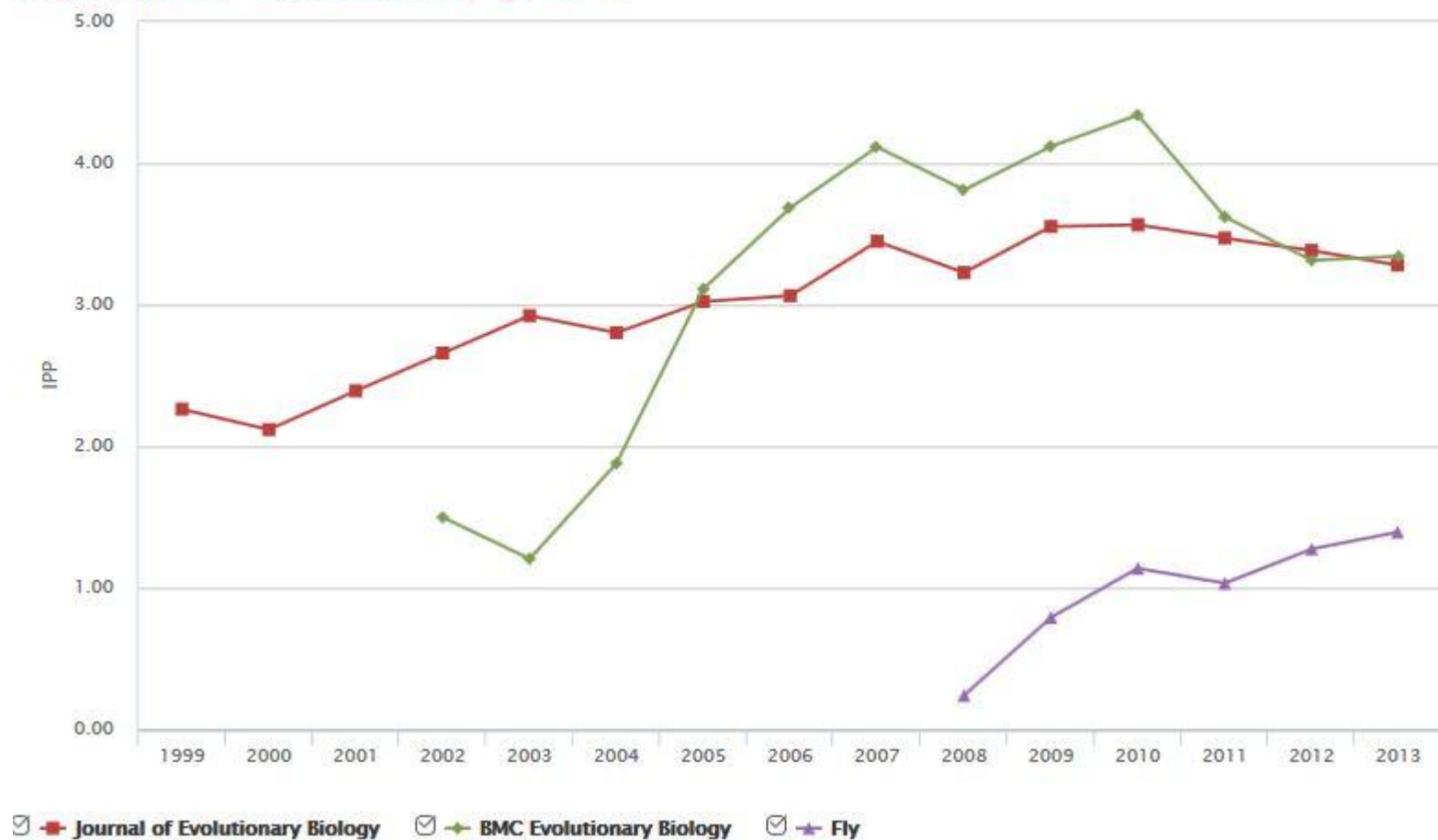
Citations

Documents

% Not cited

% Reviews

Impact per Publication by year ?



Formació d'usuaris

SJR

IPP

SNIP

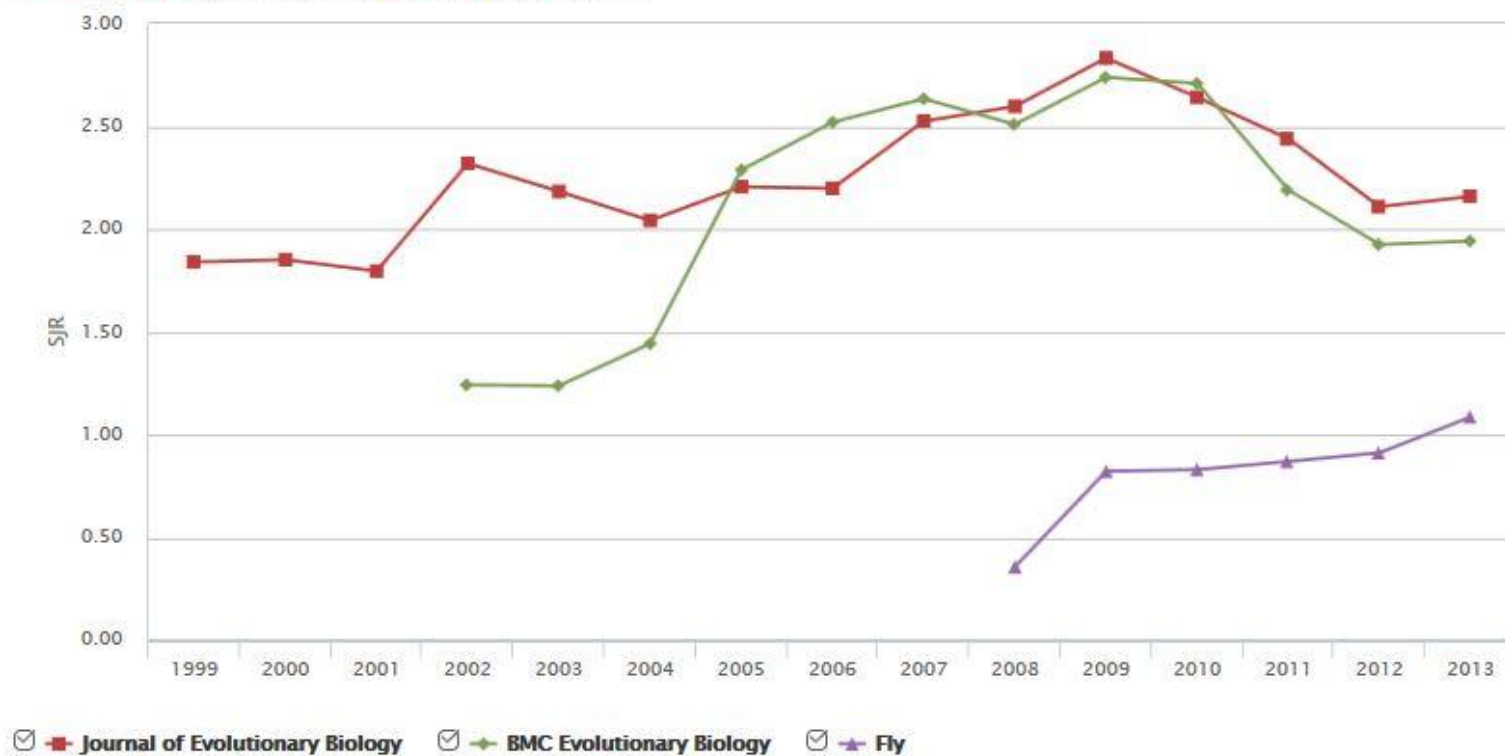
Citations

Documents

% Not cited

% Reviews

SCImago journal rank by year ?





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Web of Knowledge del Sistema Español de Ciencia y Tecnología

Servicio a disposición de la comunidad científica en evolución hacia un nuevo modelo colaborativo a nivel de optimización, responsabilidad de uso y copago del mismo



Acceso a la **WOK**

Impulsar la visibilidad y posicionamiento de la producción científica española incrementando el impacto internacional.

Servicios



Destacado



Noticias

- Segundo ciclo de formación presencial 2012 de la Web of Knowledge
- Corte temporal del módulo de administradores
- Nueva versión de la Web of Knowledge 5.7 para el próximo 5 de agosto
- Formación online impartida por Thomson Reuters
- Doce nuevas revistas científicas españolas se incorporan al Journal Citation Reports (JCR) de 2011

[Más Noticias](#)

Rank in Category: BMC EVOLUTIONARY BIOLOGY

Journal Ranking

For **2013**, the journal **BMC EVOLUTIONARY BIOLOGY** has an Impact Factor of **3.407**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
EVOLUTIONARY BIOLOGY	46	18	Q2
GENETICS & HEREDITY	165	59	Q2

Rank in Category: JOURNAL OF EVOLUTIONARY BIOLOGY

Journal Ranking

For **2013**, the journal **JOURNAL OF EVOLUTIONARY BIOLOGY** has an Impact Factor of **3.483**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
ECOLOGY	141	33	Q1
EVOLUTIONARY BIOLOGY	46	16	Q2
GENETICS & HEREDITY	165	55	Q2

 Rank in Category: FLY**Journal Ranking ⓘ**

For **2013**, the journal **FLY** has an Impact Factor of **1.475**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
BIOCHEMISTRY & MOLECULAR BIOLOGY	291	244	Q4



PMC

PMC is a free full-text archive of biomedical and life sciences journal literature at the U.S. National Institutes of Health's National Library of Medicine (NIH/NLM).

literature from
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[Batch Citation Matcher](#)

[Clinical \(](#)

[Topic-Sp](#)



**Europe PubMed
Central**

<http://www.ncbi.nlm.nih.gov/pubmed?otool=bibuablib>

Let's recap

- Access to full-text articles is only for subscribed journals
- Unless for Open Access papers
- Literature databases can help you finding reliable and suitable scientific information
- Make sure that your information source is linked to the library collection

So, how can I deal with so much information?



EndNote Web
The Web-based Research & Writing Tool

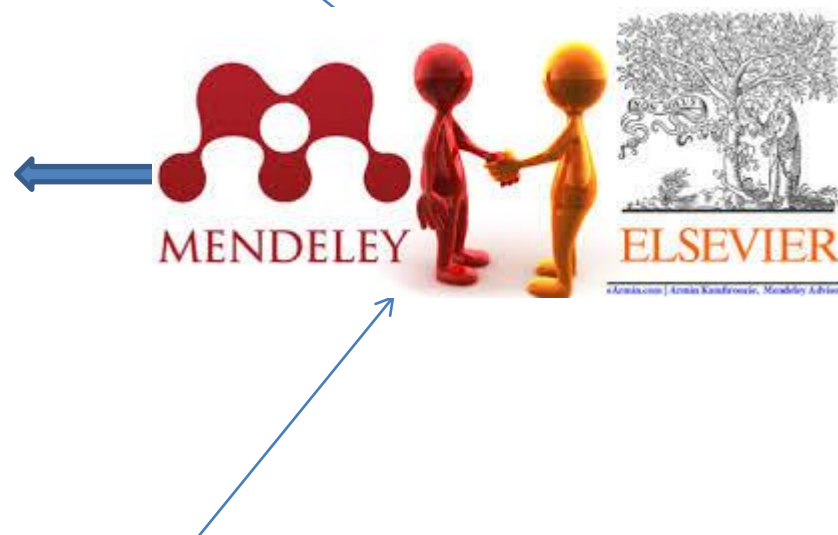
zotero

 **RefWorks**



Reference sources (PubMed, SCOPUS, etc.)

Writing papers, thesis, reports



Why Mendeley Premium?

- Cooperation: Library Consortia (CBUC)
- Bibliographic software and academic social network
- Online/offline
- Mobile devices
- Compatible (RIS, BibTex)
- More storage and groups than Mendeley Free

Alternatives

- EndNote
- Zotero
- Refworks
- Mendeley
- Etc.



ris
BibTex

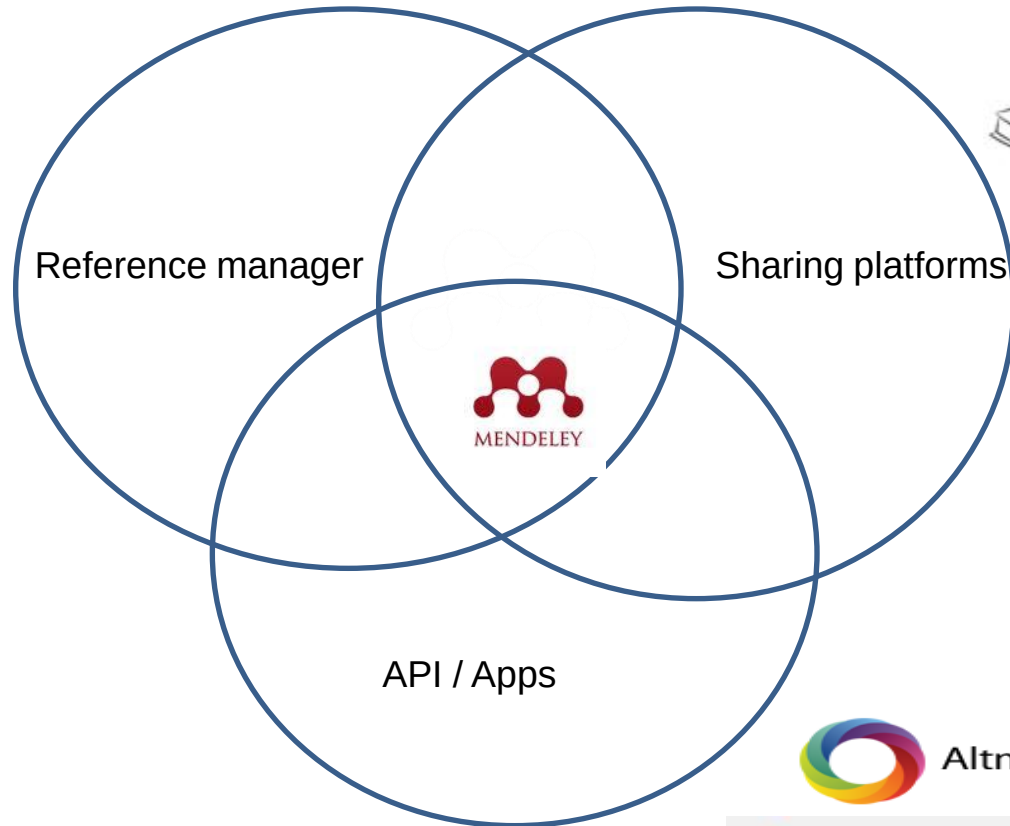
What's Mendeley?

EndNote Web
The Web-based Research & Writing Tool

RefWorks
zotero

ResearchGate

 **Academia.edu**
share research



 **Altmetric**

 **Google play**

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How does it work?

Mendeley Desktop (local)



Synchronizing (Sync)



Mendeley web (cloud)

Getting a Premium Plan for UAB members

www.uab.cat/biblioteques/mendeley

www.uab.cat/bibliotecas/mendeley/

www.uab.cat/libraries/mendeley/

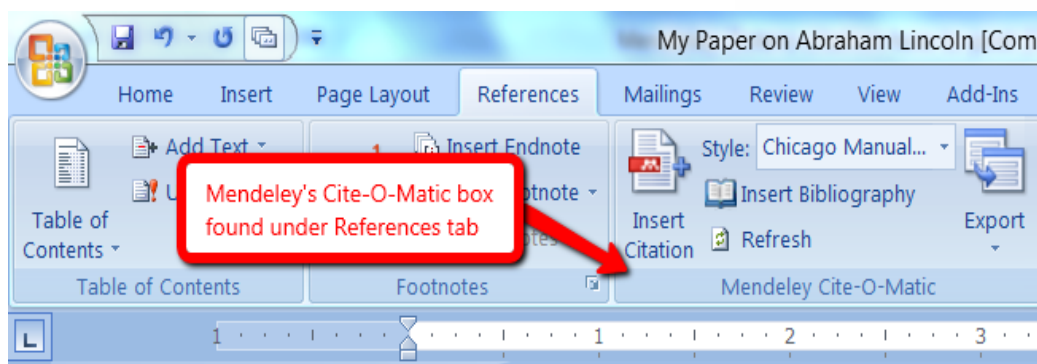
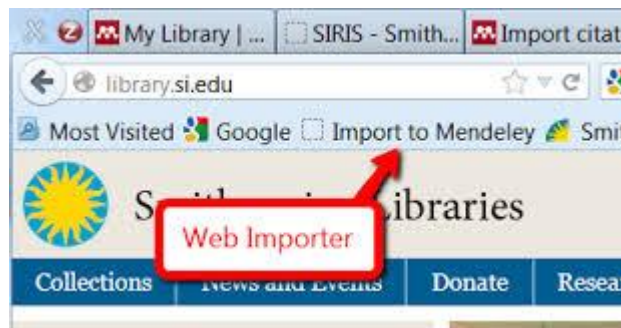
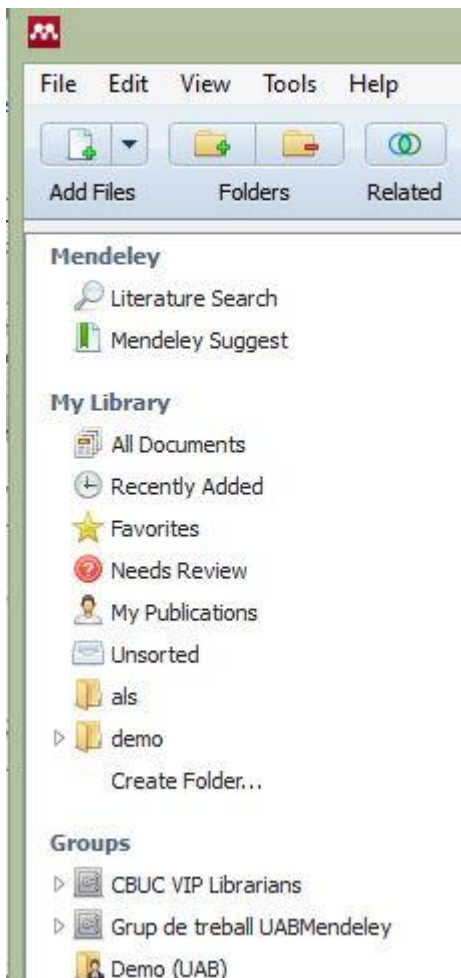
Accepted domains:

uab.cat / uab.es

e-campus.uab.cat / e-campus.uab.es

Basic toolkit

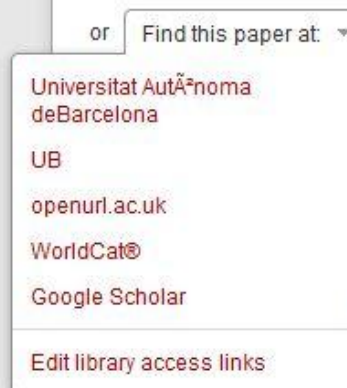
desktop



UAB library collection

sfx.cbuc.cat/uab

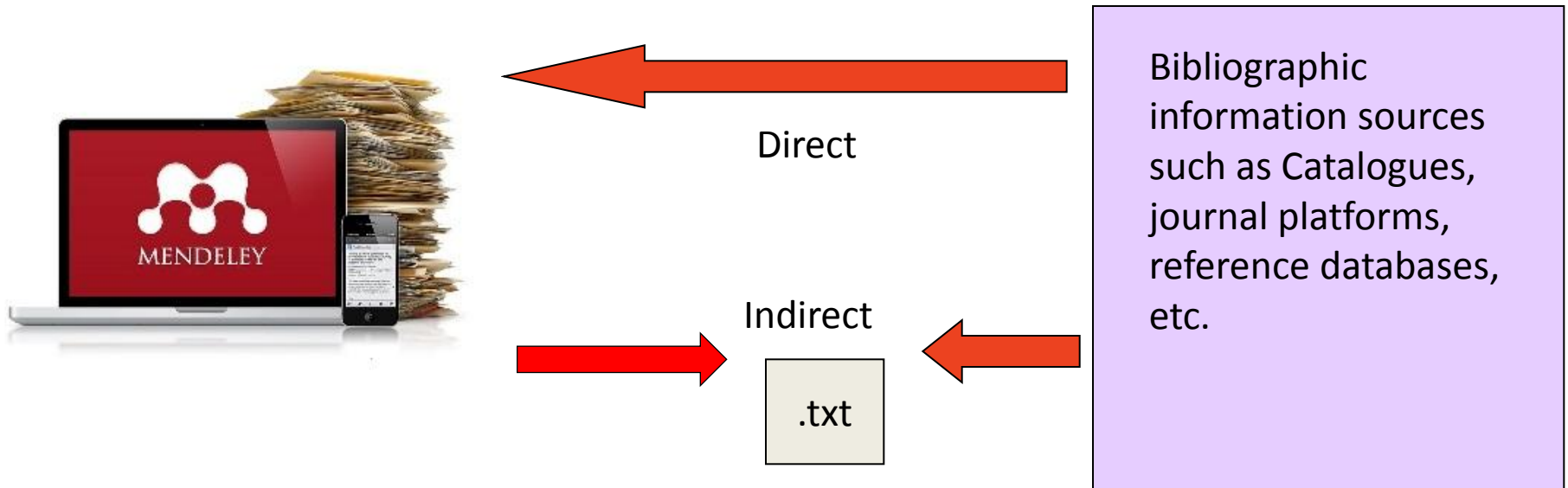
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As a social network ...

- Working in groups
- Share content
- Make an open/collaborative catalogue (references and/or pdfs)
- Find papers, contact researchers and groups you could be interested in

As a reference manager...

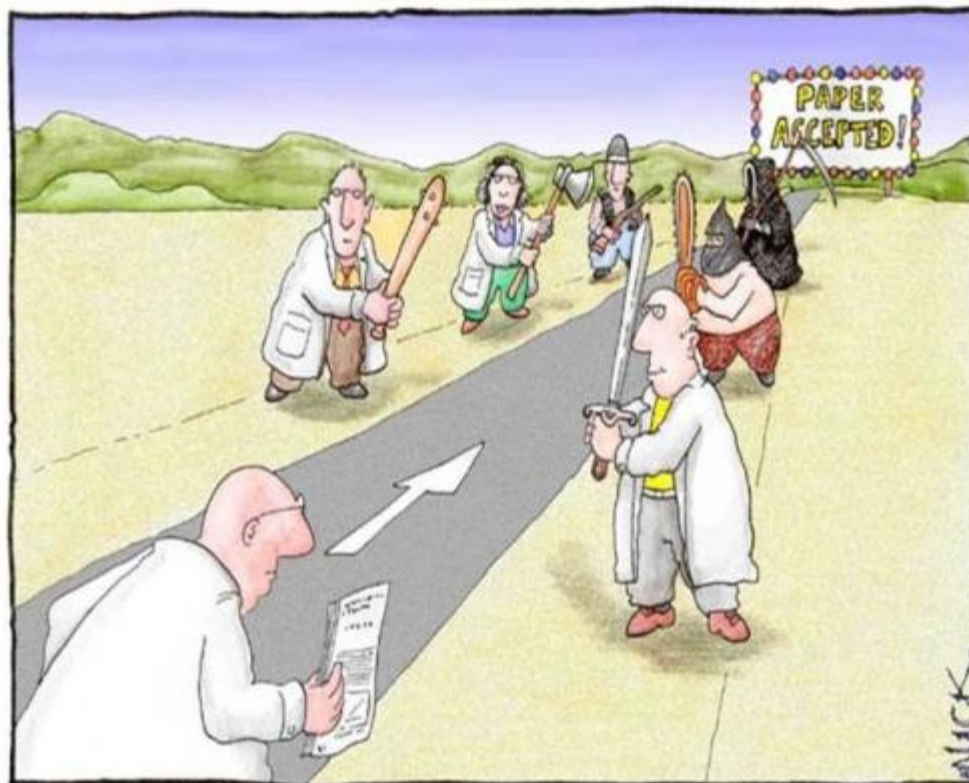


As a reference manager...



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As a reference manager ...



As a reference manager...

Here is a sentence from a paper:

...
There are a lot of poisonous plants, but not all of
them kill you. Some may just cause you to itch or throw
up (Ballantín 145).

**Brief Citation (abbreviated
reference to the source)**

Bibliography **List of sources**

Arena, Jay M., and Richard H. Drew. *Poisoning*. Springfield, Illinois: Charles C. Thomas, 1963.

Arnold, Hap. *Poisonous Plants of Hawaii*. Rutland, Vermont: Charles E. Tuttle, 1968.

Ballantín, Bryan. *Current Approaches in Toxicology*. Bristol, England: Wright Publishers, 1977.

Bayer, Marc J., B. Bowie, Maryla. *...ologic Emergencies*.

Beck, Aaron T., Harvey L. Resnick, and Dan J. Lettieri. *The Prediction of Suicide*. Philadelphia: The Charles Press, 1974.

Block, Bradford J. *Signs and Symptoms of Chemical Exposure*. Springfield, Illinois: Charles C. Thomas, 1980.

**Bibliographic citation (complete
description of the source)**

What's Open Access

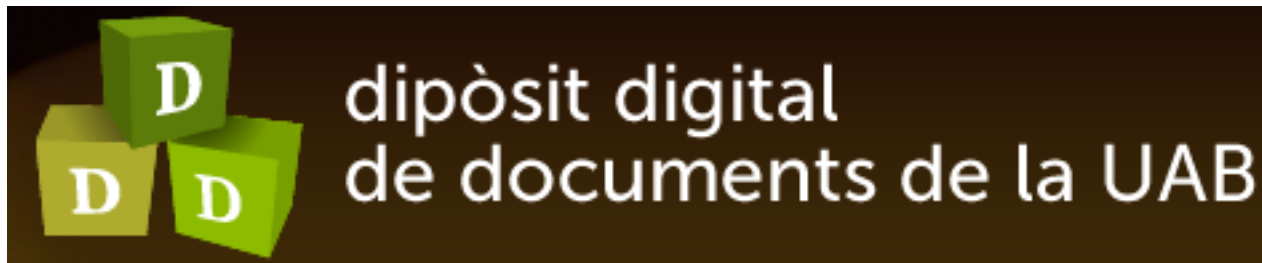


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About the DDD, your first step to OA



About the DDD



Example: [Some academic works on bioinformatics](#)

Advantatges of OA

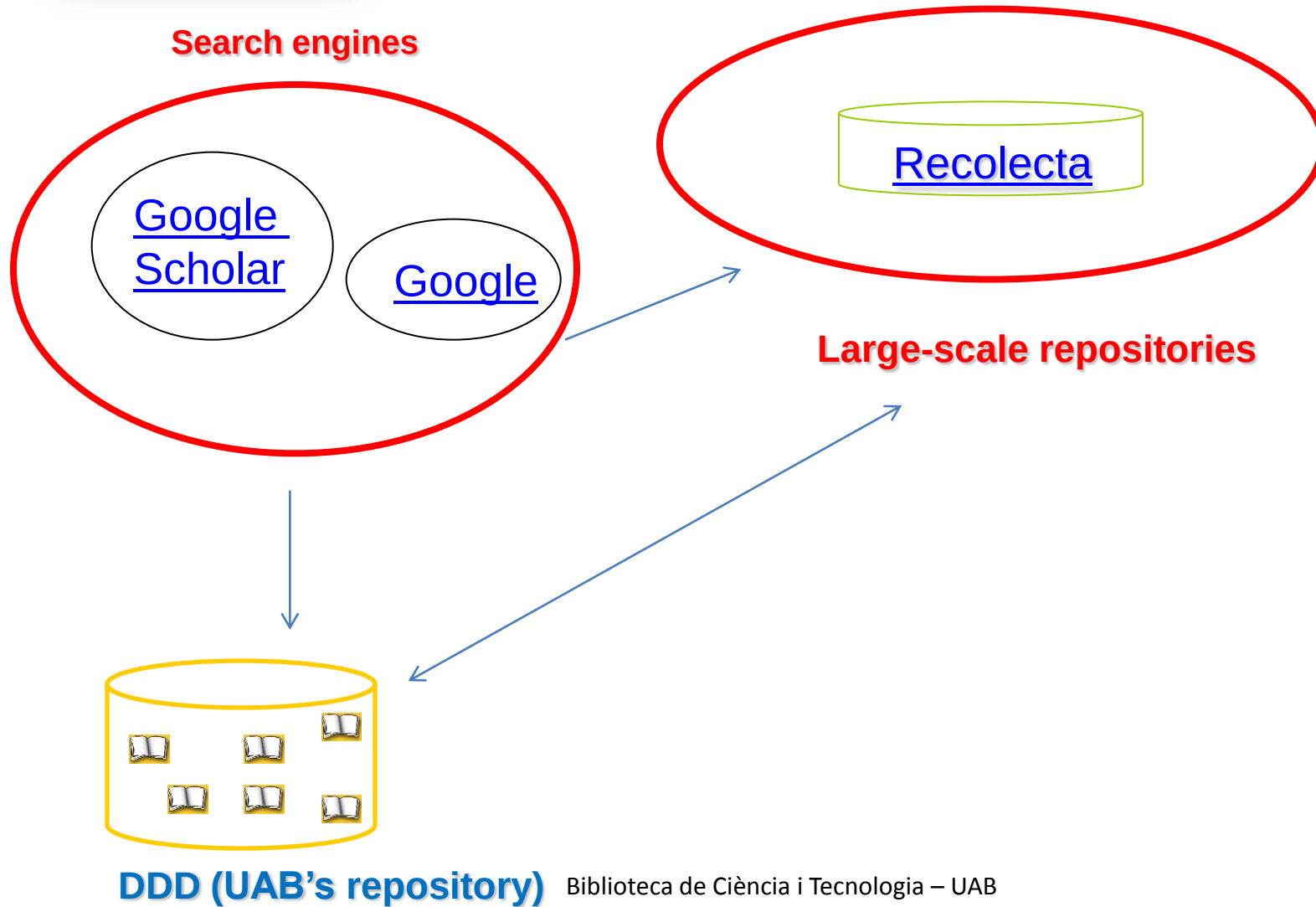
- More **visibility** for authors and for institutions
- Favors the **impact** of research results
- Guarantees the **preservation** and conservation

www.uab.cat/open-access/

And ...

- Stable and public platform for published and unpublished documents
- Permanent URL (handle system for digital objects)
- Standard metadata (interoperability)
- Full text search
- Customized stats

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Thank you!



Tomas.fabregat@uab.cat