



# Web of Science - Scopus

Searching the databases

Main research indicators

# Rules and recommendations

- Please, turn off your microphones in order to facilitate the comprehension of the trainer explanations
- It is forbidden to record (video or audio), directly or indirectly, totally or partially, this session
- You can disable your camera, if that's your wish
- Please, ask your questions through the chat. They will be answered at the end of every section

# Contents



# Designing the search strategy



a) Keywords

b) Boolean operators

c) Exact phrase

d) Truncation

e) Filters or limits

## a) Keywords

Concepts that **better express** what you are looking for



### Keep in mind:

- ✓ Abbreviations and acronyms
- ✓ Synonyms
- ✓ Related concepts

**LED**

- LEDs
- Light emitting diodes
- Light emitting diode

**Optical fiber**

- Optical fibers
- Optical fibre
- Optical fibres

In order to look for synonyms and variations of the keywords, you have to search in general and specialized dictionaries, but also there is a very useful tool:

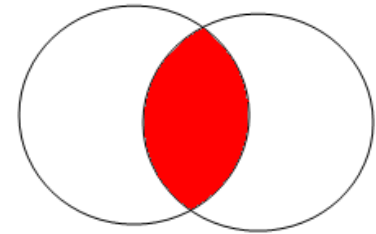
Library of Congress Subject Headings - <http://id.loc.gov/authorities/subjects.html>

## b) Boolean operators

### AND

It retrieves results where **ALL** search terms are present in the same record

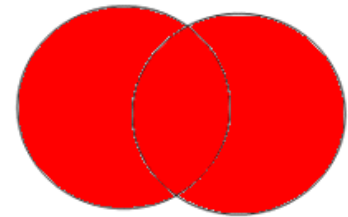
**LED AND Optical fiber**



### OR

It retrieves results that includes **AT LEAST ONE** of the search terms in the resulting records

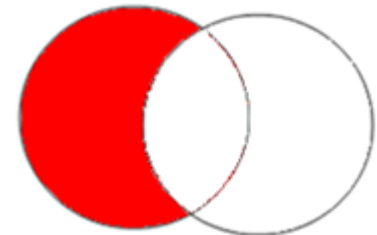
**LEDs OR Light emitting diodes**



### NOT

It **EXCLUDES** the retrieval of terms from your search

**Electroluminescent devices NOT LEDs**



## c) Exact phrase

### “ “ (quotations)

It retrieves only records with the **SAME WORDS IN THE SAME ORDER**

### “ Optical fiber”

Scopus Search

"optical fiber"

Structure design and application of hollow core microstructured optical fiber gas sensor: A review	Li, J., Yan, H., Dang, H., Meng, F.	2021	Optics and Laser Technology 135,106658	0
View abstract ▾ Consultar View at Publisher Related documents				

Scopus Search

optical fiber

Long period grating in double cladding fiber coated with graphene oxide as high-performance optical platform for biosensing	Esposito, F., Sansone, L., Srivastava, A., (...), Giannetti, A., Iadicicco, A.	2021	Biosensors and Bioelectronics 172,112747	0
View abstract ▾ Consultar View at Publisher Related documents				



## d) Truncation

\*

It is used to search for all terms that begin with a word: truncation broadens your search to include different word endings (singular and plural... all kind of suffixes).

The most common symbol used in truncations is the asterisk

**Transm\***

**Transmission**

**Transmissions**

**Transmit**

**Transmitting**

**Transmitted**

.

.

.

**Transmembrane**

## d) But also...

Databases may offer additional elements to improve your search strategy

NEAR/x  
SAME  
W/n  
Pre/n



**Check the databases search tips!**

## e) Filters or limits

All databases include tools to refine and filter the search results (by year, subject area, document type, etc.)

# Scopus

Search within results...

Refine results

Year

Author name

Subject area

Document type

Source title

Keyword

Affiliation

Country/territory

Source type

Language



WEB OF SCIENCE

Filtrar resultados por:

Acceso Abierto (685)

Años de publicación

2020 (13)

2019 (259)

2018 (390)

2017 (376)

2016 (322)

más opciones / valores...

Categorías de Web of Science

ENGINEERING ELECTRICAL ELECTRONIC (835)

PHYSICS MULTIDISCIPLINARY (694)

TRANSPORTATION SCIENCE TECHNOLOGY (521)

TELECOMMUNICATIONS (453)

PHYSICS MATHEMATICAL (446)

más opciones / valores...

Tipos de documento

ARTICLE (2,449)

PROCEEDINGS PAPER (1,715)

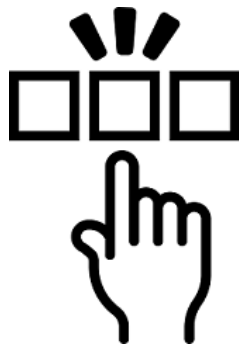
EDITORIAL MATERIAL (62)

REVIEW (59)

LETTER (49)

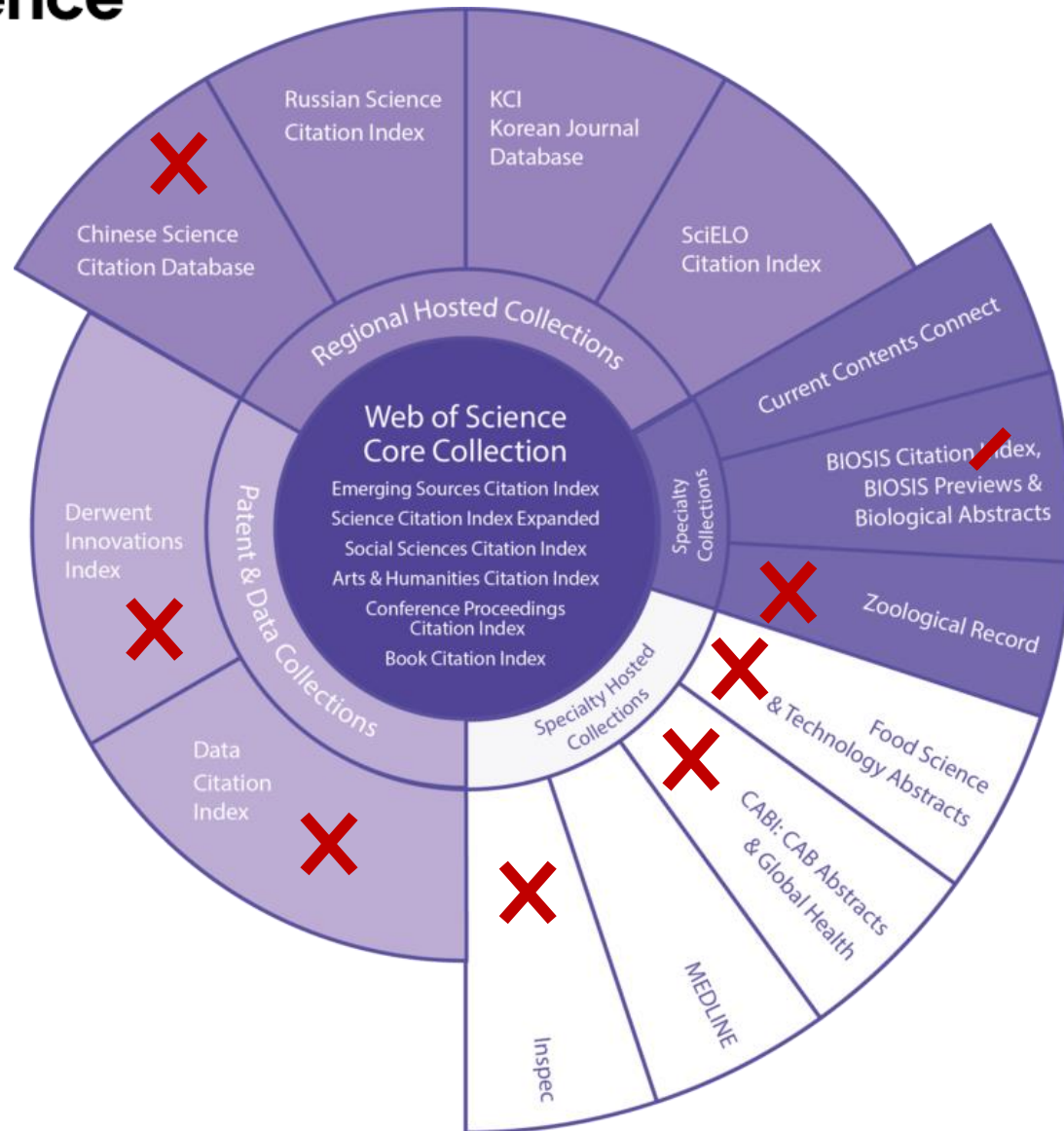
más opciones / valores...

# Searching within databases



a) Web of Science (WoS)

b) Scopus



# Web of Science Core Collection

- ✓ 1.5 billion cited references dating back to 1900
- ✓ 74.8 million total records
- ✓ 10.1 million total Open Access records
- ✓ 21,100+ unique global journals
- ✓ 254 disciplines

## WEB OF SCIENCE CORE COLLECTION COVERAGE:

- **Science Citation Index Expanded™** — from 1900 to present  
Fully indexes over 14,900 major journals across 150 disciplines
- **Social Sciences Citation Index®** — from 1900 to present  
Fully indexes over 4,900 journals across 55 social science disciplines, as well as selected items from over 14,920 of the world's leading scientific and technical journals
- **Arts & Humanities Citation Index®** — from 1975 to present  
Fully indexes over 2,500 arts and humanities journals, as well as selected items from over 18,800 scientific and social sciences journals
- **Conference Proceedings Citation Index™** — from 1990 to present  
Fully indexes over 160,000 journal and book-based proceedings in science and social sciences and humanities, across 256 disciplines
- **Book Citation Index<sup>SM</sup>** — from 2005 to present  
Indexes over 60,000 editorially selected books in the sciences, social sciences and humanities, with 10,000 new books added each year

## Online advice service

Service through videoconferenceto offer you customized advice

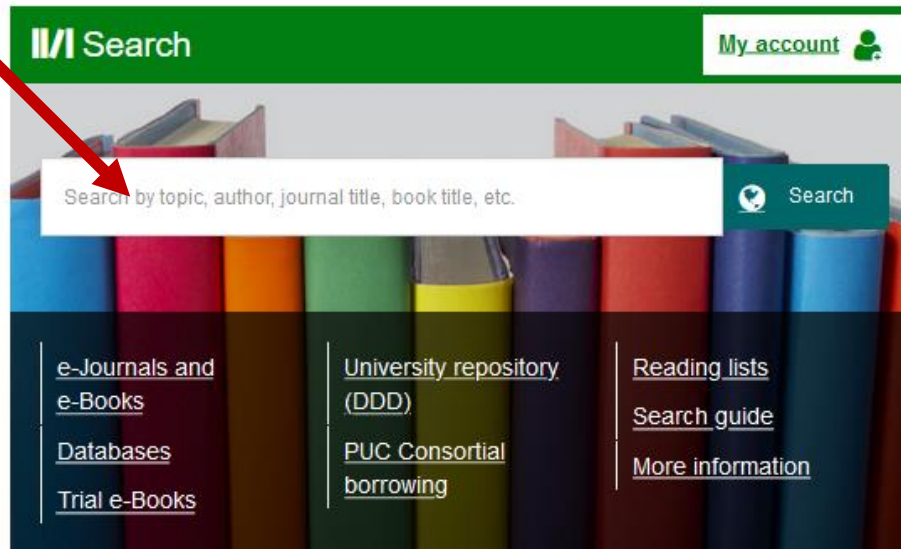


## News



### Antoni M. Badia i Margarit, the optimistic linguist

The Humanities Library presents a bibliographic exhibition on Antoni M. Badia i Margarit



The screenshot shows the library website's navigation and search interface. At the top, there is a green header with a search icon and the text "Search". To the right of the search icon is a "My account" link with a user icon. Below the header is a search bar with the placeholder text "Search by topic, author, journal title, book title, etc." and a "Search" button. Below the search bar is a dark blue navigation menu with several links: "e-Journals and e-Books", "Databases", "Trial e-Books", "University repository (DDD)", "PUC Consortial borrowing", "Reading lists", "Search guide", and "More information". A red arrow points from the search bar to the "Search" button.

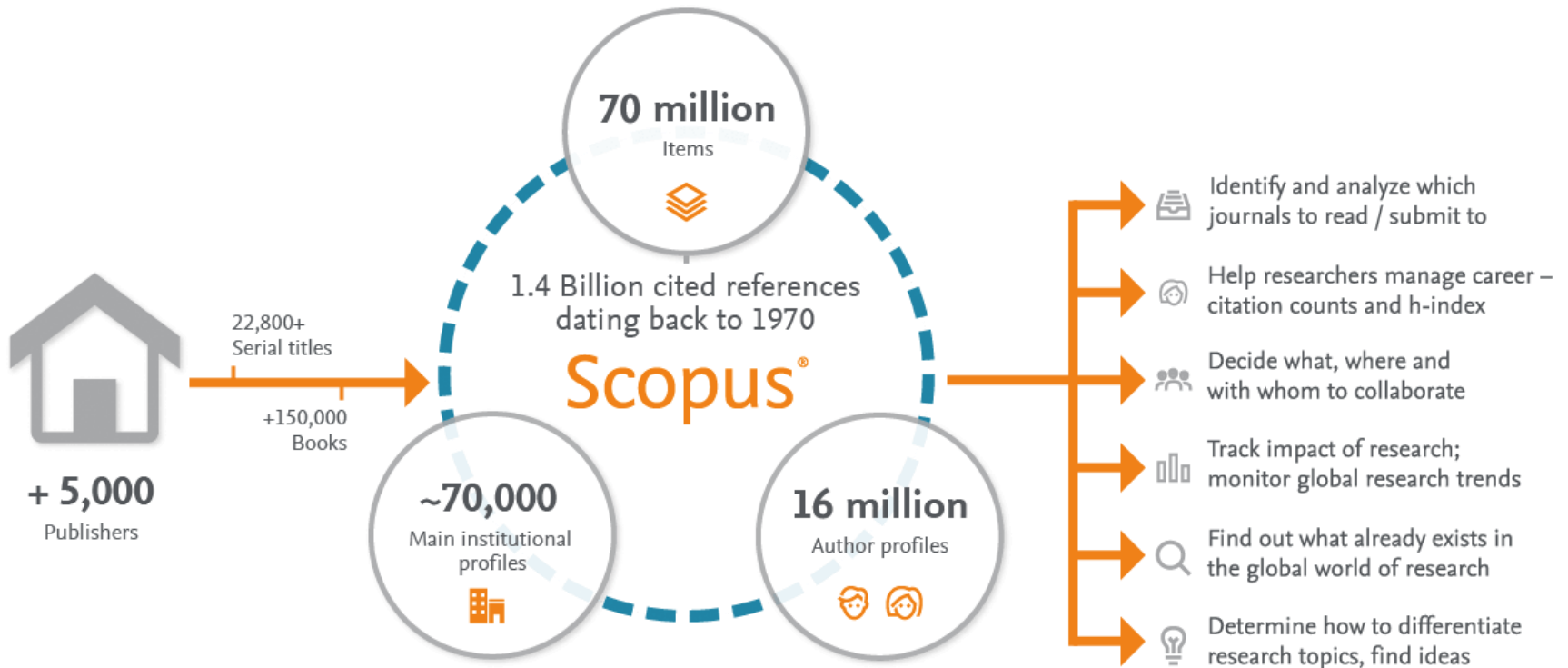
## Access

- [Opening hours](#)
- [Check the occupation in real time](#)
- [The library, a safe place](#)
- [Online library](#)
- [Online advice service](#)
- [Remote access](#)

## Resources

- [Loan Service](#)
- [Theses](#)
- [How to cite and create your bibliography](#)
- [Training sessions](#)
- [Mendeley](#)

# Scopus®





## Online advice service

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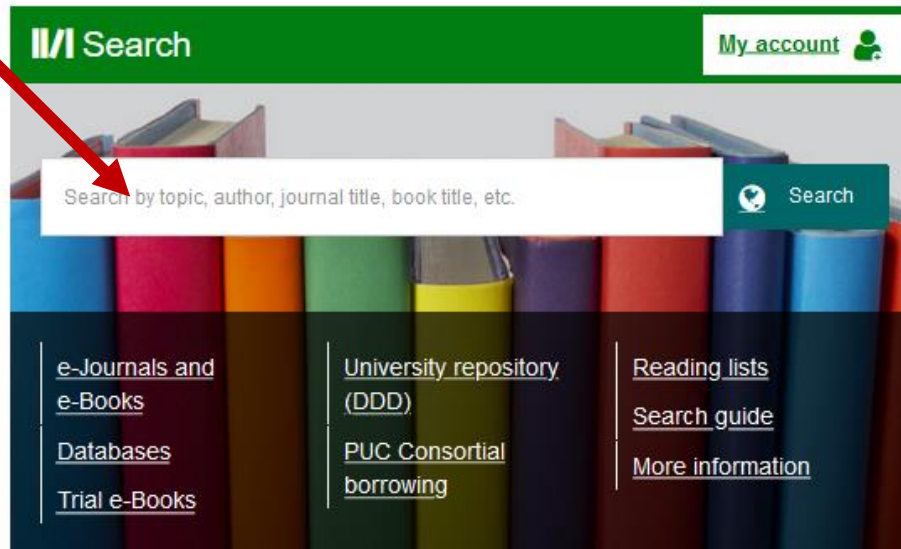


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# Main research indicators



Authors

**H Index and citations**



Journals

**Impact Factor**

**CiteScore**

# H index and citations

## Where?:

✓ *Author search*

Scopus  
Web of Science Core Collection

## How?

- ✓ Citation count: how many times an author has been cited by other authors
- ✓ H-index: an author has index  $H$  if  $h$  of his or her  $N_p$  papers have at least  $h$  citations each and the other  $(N_p - h)$  papers have  $\leq h$  citations each.

*If a researcher has an **H-index = 9**, it means that 9 of their articles have received **at least** 9 citations each. This would mean that the tenth article and the following ones must have received less than 9 citations.*

# Impact Factor (IF)

## Where?:

- ✓ *Journal Citation Reports* (Web of Science)

## How?

- ✓ IF of a journal is calculated:

$$\text{2019 IF} = \frac{\text{Number of citations in 2019 to articles published by that journal in 2017 and 2018}}{\text{Total articles published by that journal in 2017 and 2018}}$$

# CiteScore

## Where?:

✓ Sources (*Scopus*)

## How?

✓ CiteScore of a journal is calculated:

$$\text{2019 CiteScore} = \frac{\text{Number of citations in 2019 to articles published by that journal from 2016 to 2019}}{\text{Total articles published by that journal from 2016 to 2019}}$$



# Thank you!

**#bibliotequesUAB**

