



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

b) 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:

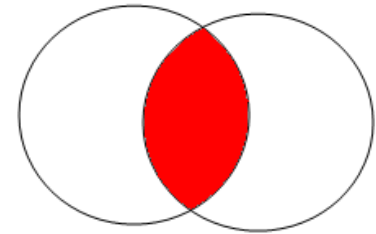
Library of Congress Subject Headings - <http://id.loc.gov/authorities/subjects.html>

a) Boolean operators

AND

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

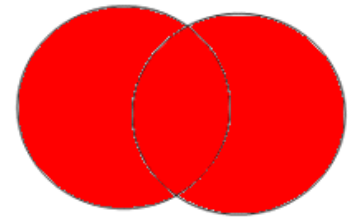
LED AND Optical fiber



OR

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

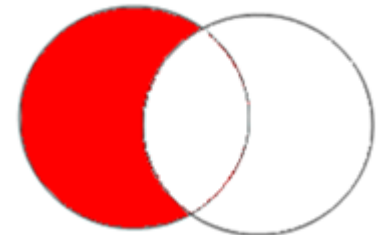
LEDs OR Light emitting diodes



NOT

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

Electroluminiscent devices NOT LEDs



d) But also...

Databases may offer additional elements to improve your search strategy

NEAR/x
W/n
Pre/n
SAME



Check the databases search tips!

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

.

.

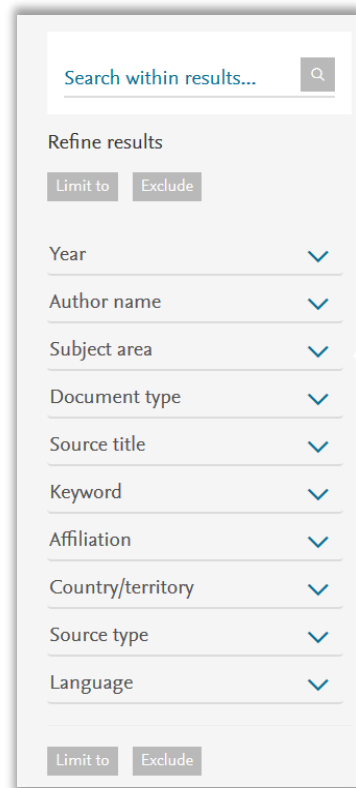
.

Transmembrane

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

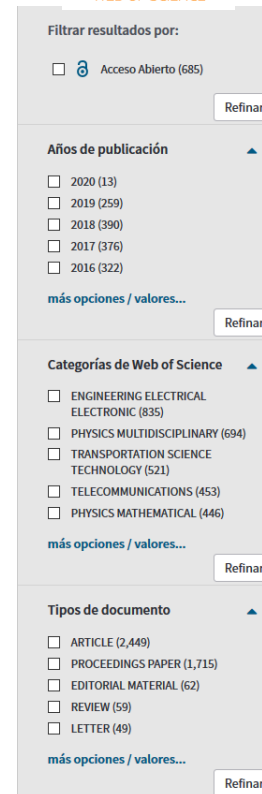
Country/territory

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)

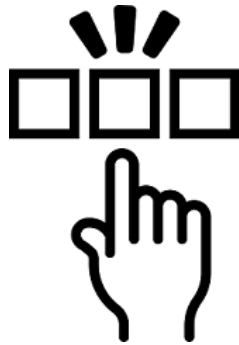
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Tipos de documento

☐ ARTICLE (2,449)
☐ PROCEEDINGS PAPER (1,715)
☐ EDITORIAL MATERIAL (62)
☐ REVIEW (59)
☐ LETTER (49)

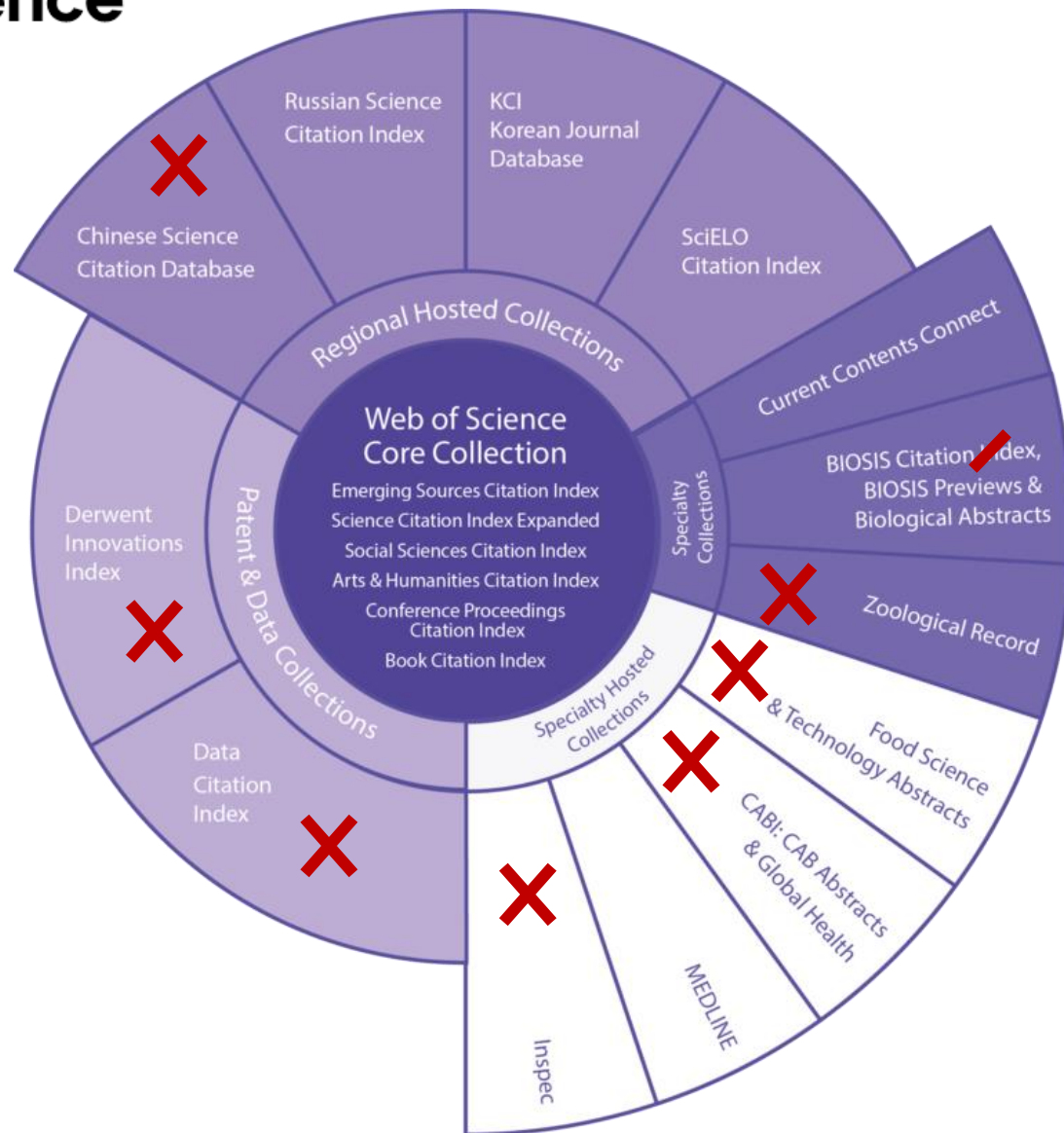
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Searching within databases



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 IndexSM** — 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

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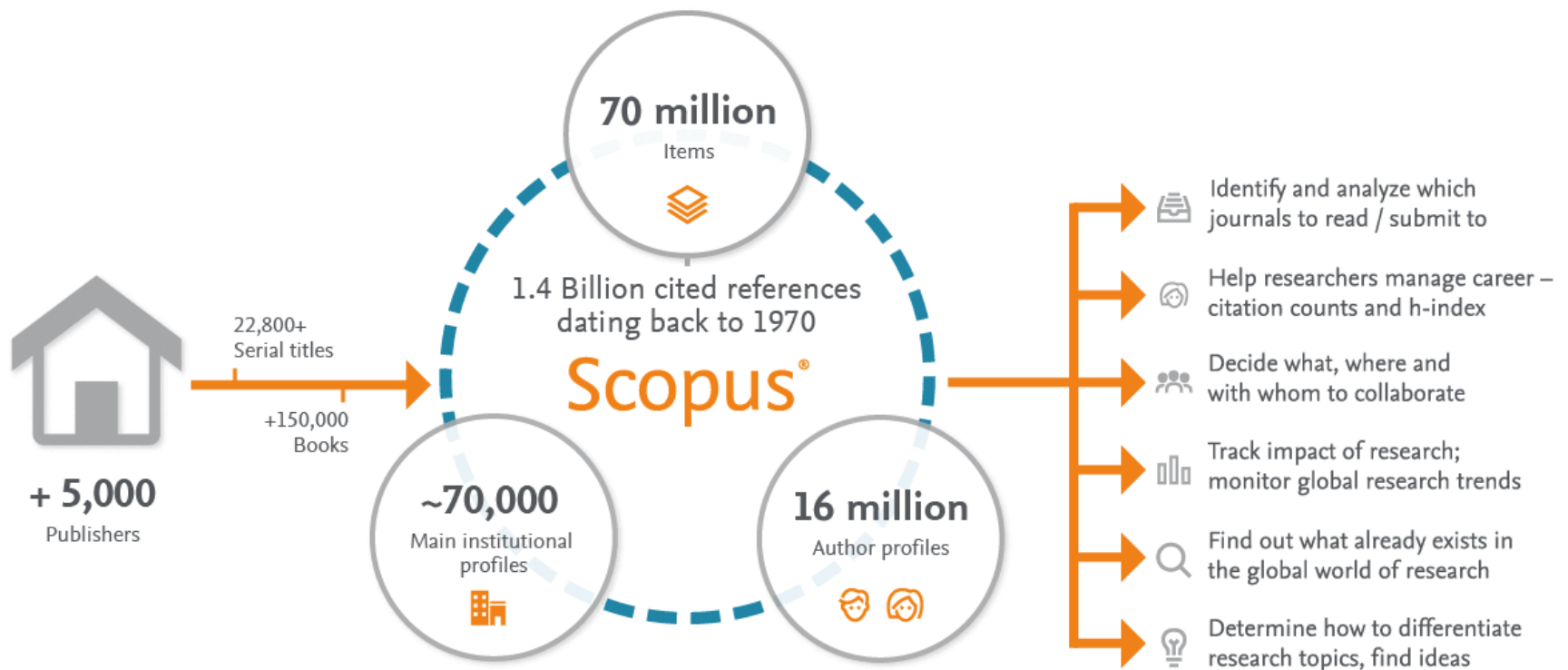
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[How to cite and create your bibliography](#)

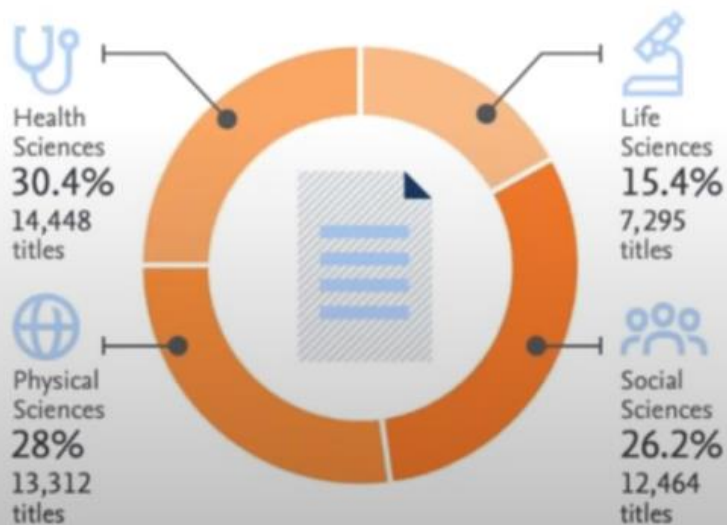
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Scopus®



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Social sciences

12,464

- Psychology
- Economics
- Business
- A&H



Physical sciences

13,312

- Chemistry
- Physics
- Engineering



Health sciences

14,448

- 100% MEDLINE
- Nursing
- Dentistry



Life sciences

7,295

- Neuroscience
- Pharmacology
- Biology

Main research indicators



Authors

H Index and citations



Journals

Impact Factor

CiteScore

Impact Factor (IF)

Where?:

✓ *Journal Citation Reports* (Web of Science)

How?

✓ IF of a journal is calculated:

$$\text{2020 IF} = \frac{\text{Number of citations in 2020 to articles published by that journal in 2018 and 2019}}{\text{Total articles published by that journal in 2018 and 2019}}$$

Journal Citation Indicator (JCI)

Where?:

✓ *Journal Citation Reports* (Web of Science)

How?

✓ JCI Calculation:

The citations received during the 4 years prior to the year for which we want to obtain the indicator, the articles and reviews published in a journal during the previous 3 years are collected. Once this information is available, the citations received are related to those expected according to the same type of document, year and category, and the standardized impact for these three years of publication is calculated. The average for these three years will be the Journal Citation Indicator of the year.

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.*

CiteScore

Where?:

✓ *Sources* (Scopus)

How?

✓ CiteScore of a journal is calculated:

$$\text{2020 CiteScore} = \frac{\text{Number of citations in 2020 to articles published by that journal from 2017 to 2020}}{\text{Total articles published by that journal from 2017 to 2020}}$$

Impact Factor- Exercise

You will receive a link through the chat of this session. Please select it.

Please answer the questions regarding the Impact Factor.

Exercise 1

Impact Factor

To finish

Please note the chat is showing the following:

- Link to the poll which can help us to improve
- The assistance **certificate link**



Thank you!

#bibliotequesUAB

