Finding Physics Papers

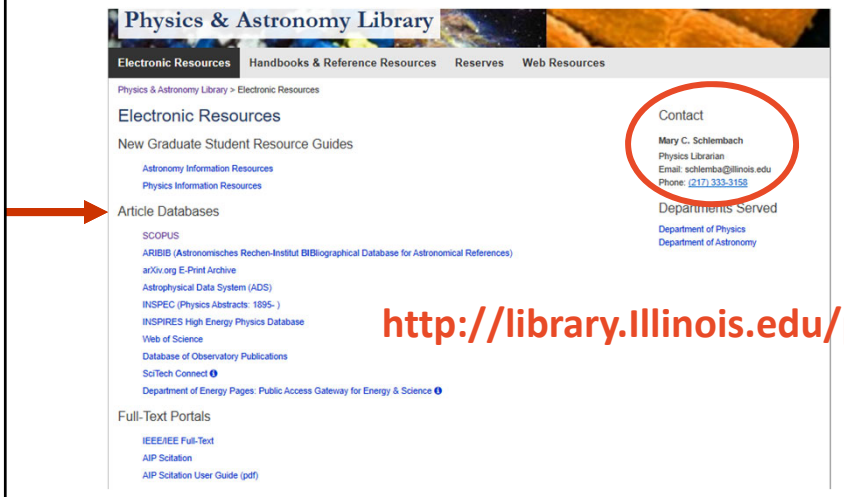
"Six months in the lab can save you a day in the library."

Dr. Albert Migliori, Physics Illinois M.S. and Ph.D

Celia M. Elliott
cmelliott@illinois.edu

1

Most of what you learn in your career will come from papers, not classes



2

Electronic resources have revolutionized information gathering...

Thanks to Prof. Cooper, who shared this cartoon.

"If Prince Charming wants to find out who fits the glass slipper, wouldn't it be faster to use the Internet?"

...but you have to know how and where to search

3

What you want to find determines where to look...

- **What field?**
- **General or specialized?**
- **Specific author?**
- **"Results" or "review" paper?**
- **Peer-reviewed or breaking news?**
- **Patent or technical report?**

4

Finding relevant literature is a vital skill for physicists

Get familiar with the databases (DBs)* for the peer-reviewed literature

General: Scopus, Web of Science, Engr Village

Astro: Astrophysical Data System (ADS)

INSPEC: Physics abstracts, from 1895

INSPIRES: High energy physics

DOE pubs & funded papers: SciTech Connect

US Patents: USPTO

***Yes, you can use Google, or even Google Scholar, but you're grown-ups now**

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Introduction to Scopus
www.scopus.com

Celia M. Elliott
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cmelliot@illinois.edu

With thanks to Mary Schlembach,
physics librarian *extraordinaire*, who can find anything

1

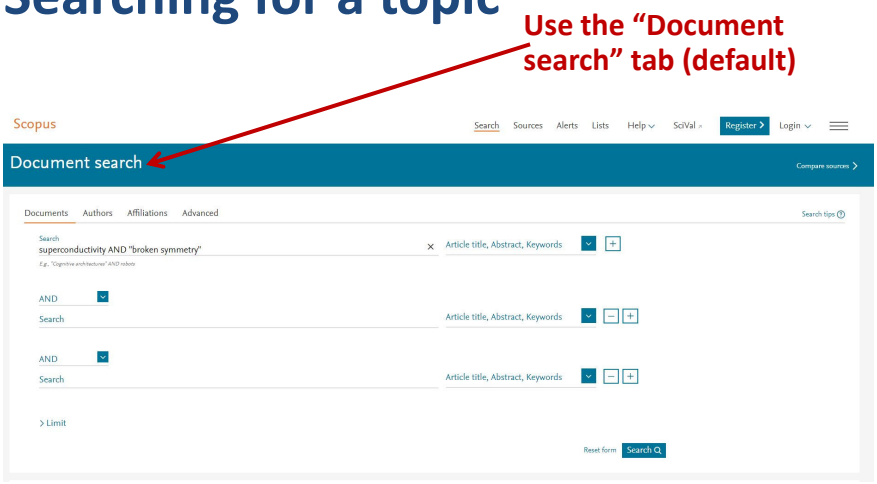
What is Scopus? www.scopus.com

Largest abstract & citation database of curated international peer-reviewed literature

- 22 000 peer-reviewed journals
- 360 trade publications
- 120 000 books (with 10 000 added/year)
- >70 million records, back to 1788
- 6.4 million conf papers from proceedings & jrnls
- 350 million scientific web pages indexed by Scirus
- 25.2 million patent records
- "Articles-in-Press" from >3850 journals

2

Searching for a topic



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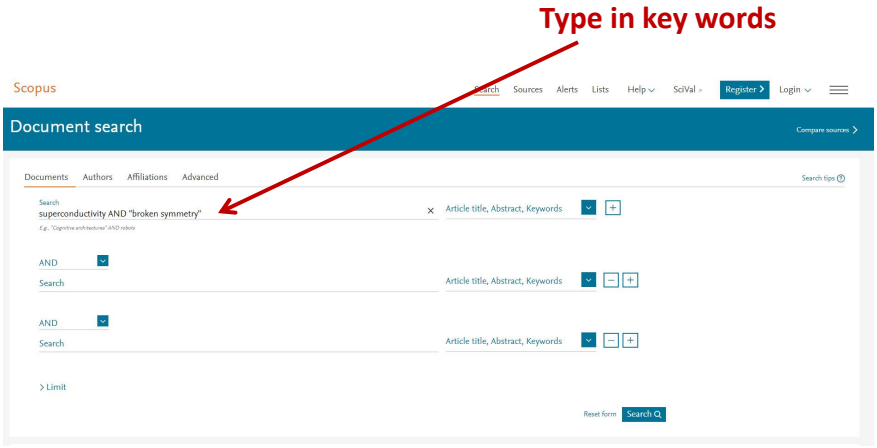
Searching for a topic



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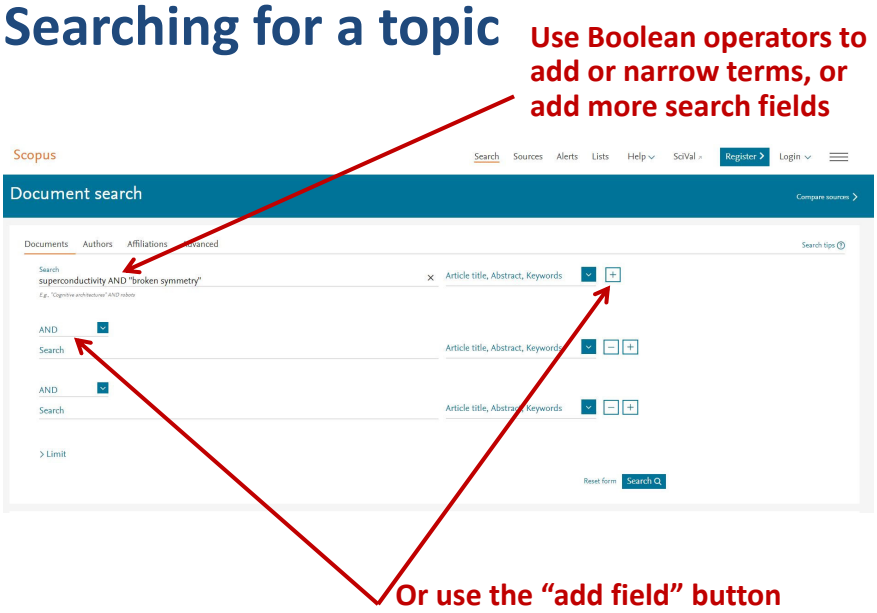
Searching for a topic



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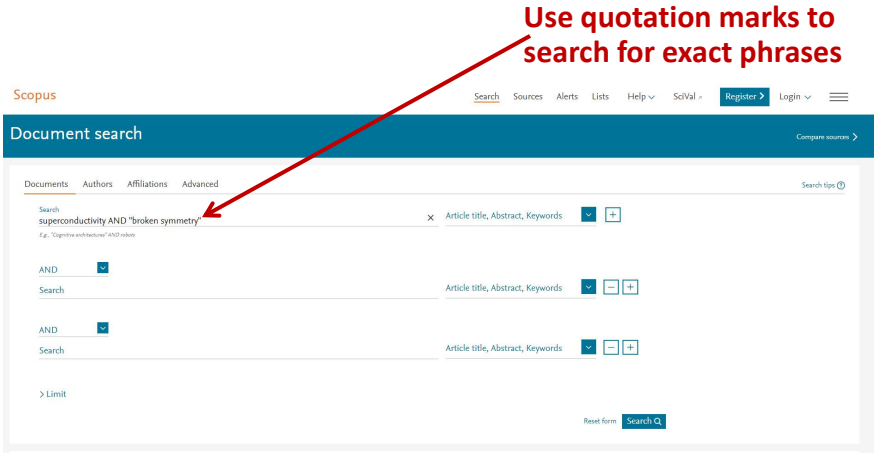
Searching for a topic



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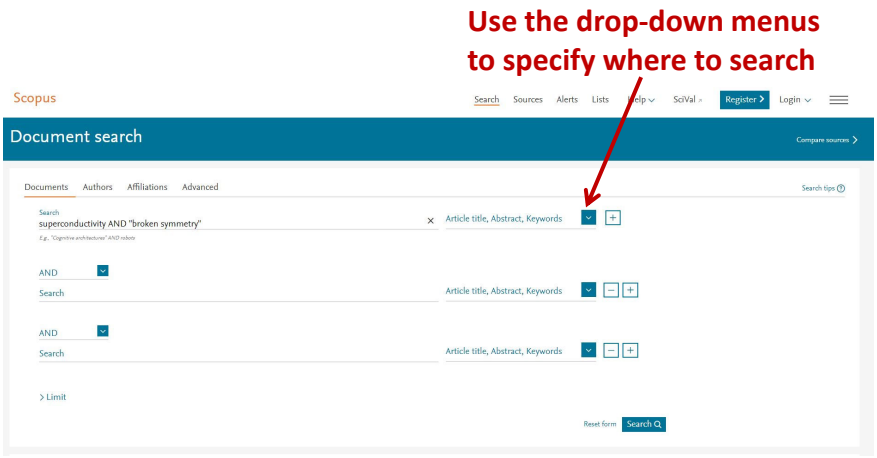
Searching for a topic



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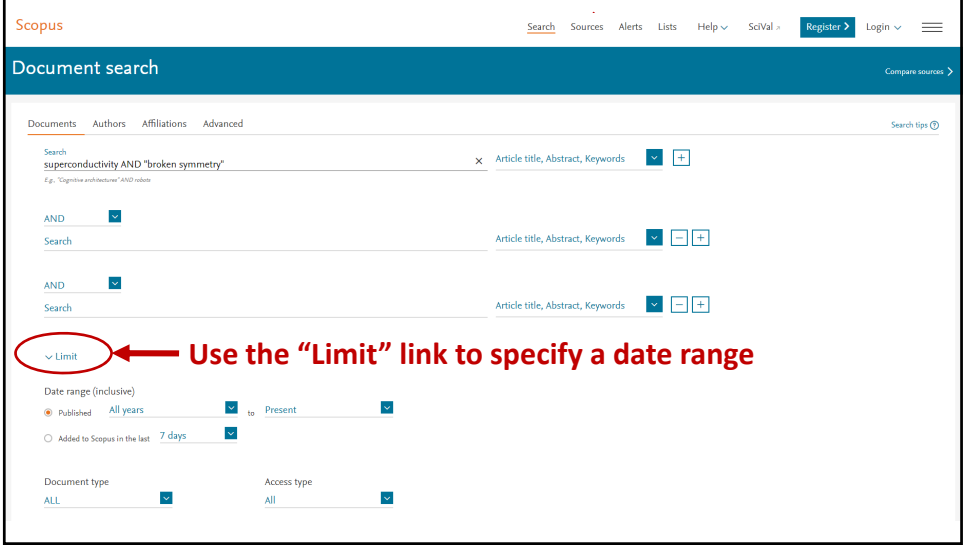
Searching for a topic



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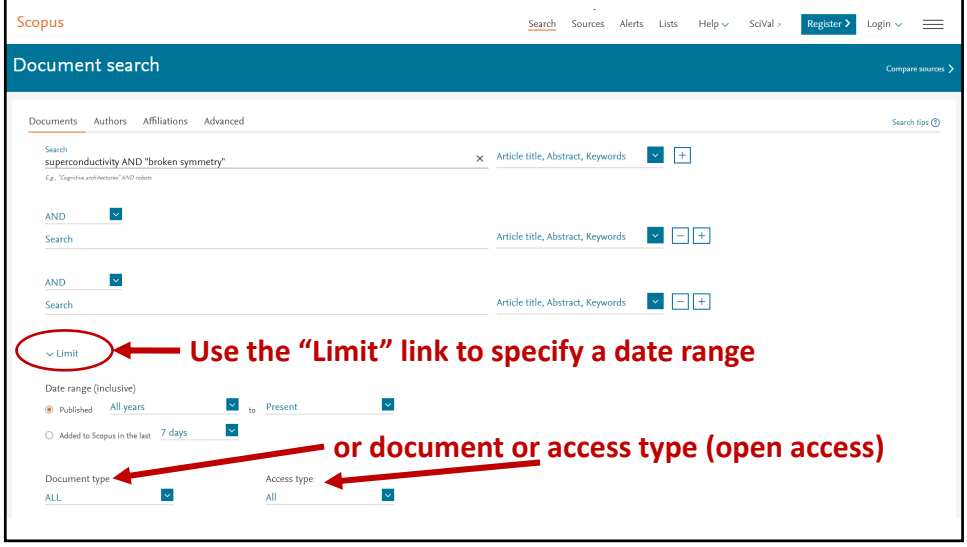
Searching for a topic



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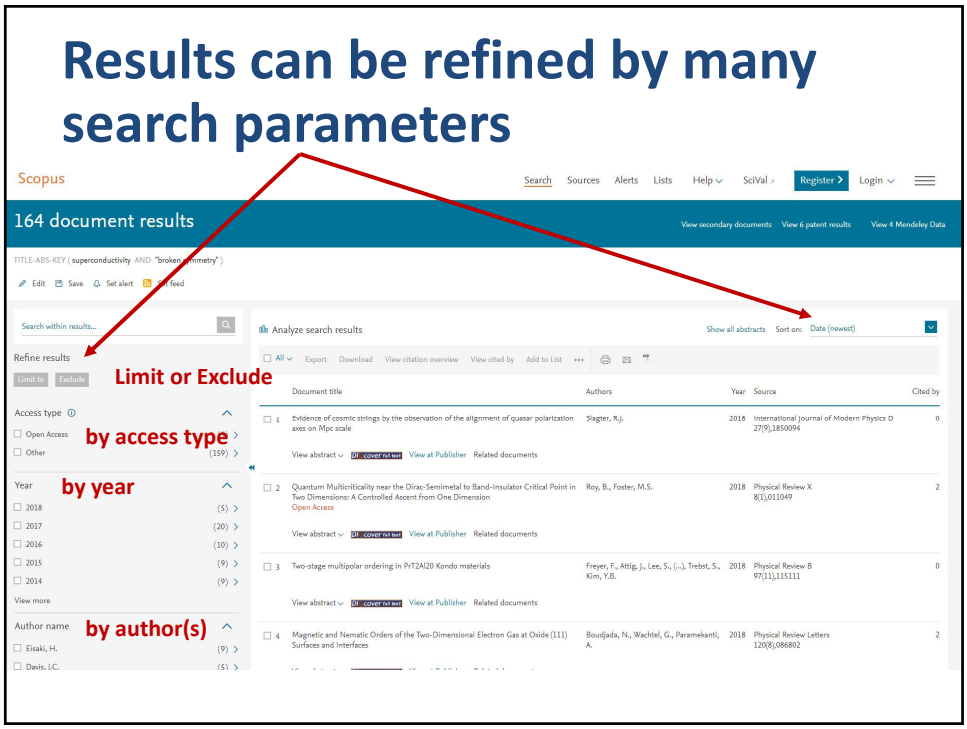
Results can be refined by many search parameters



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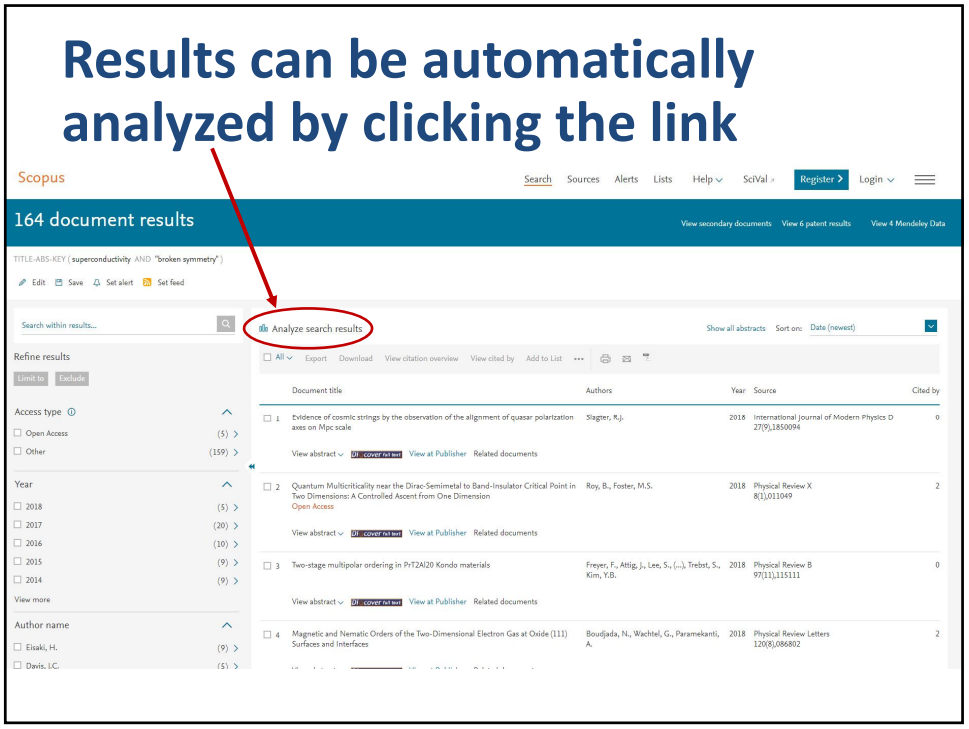

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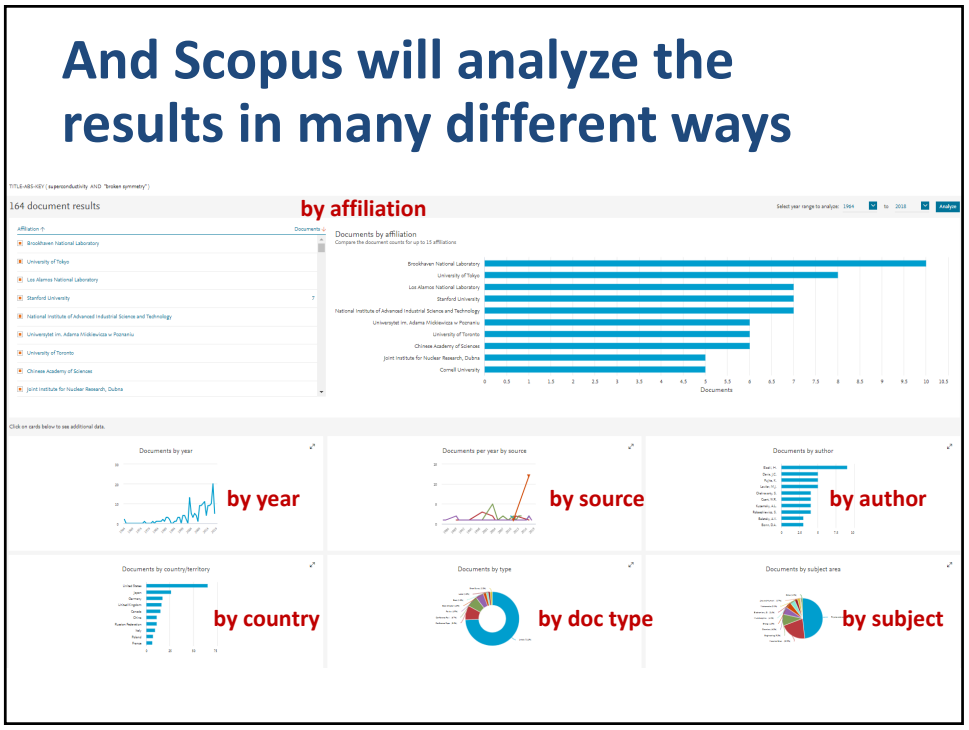

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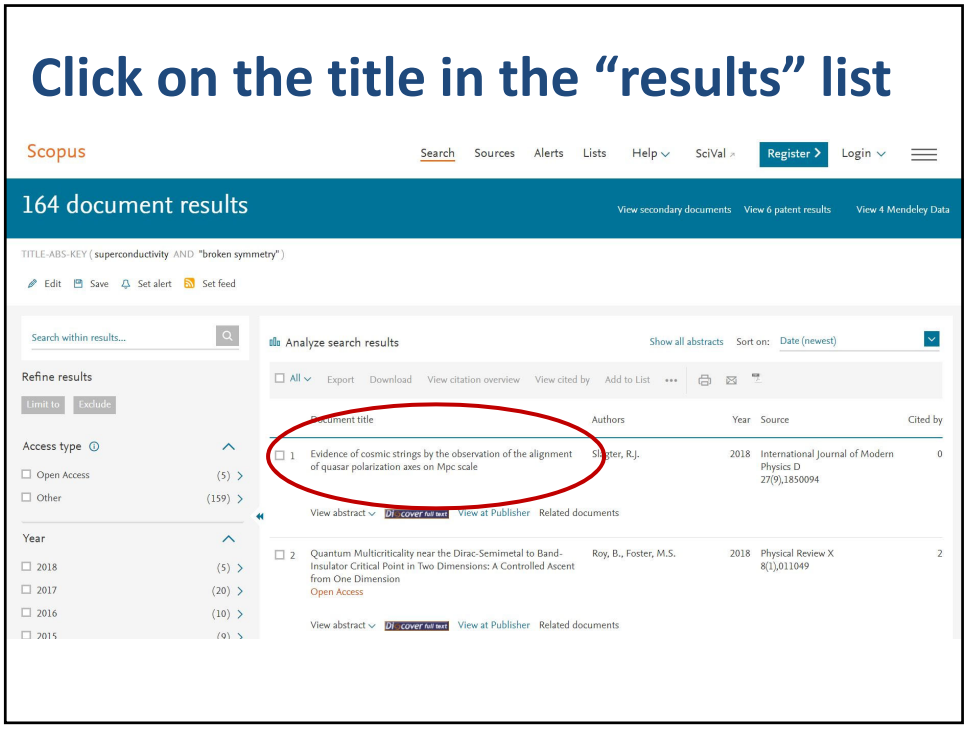
Click on the title in the "results" list



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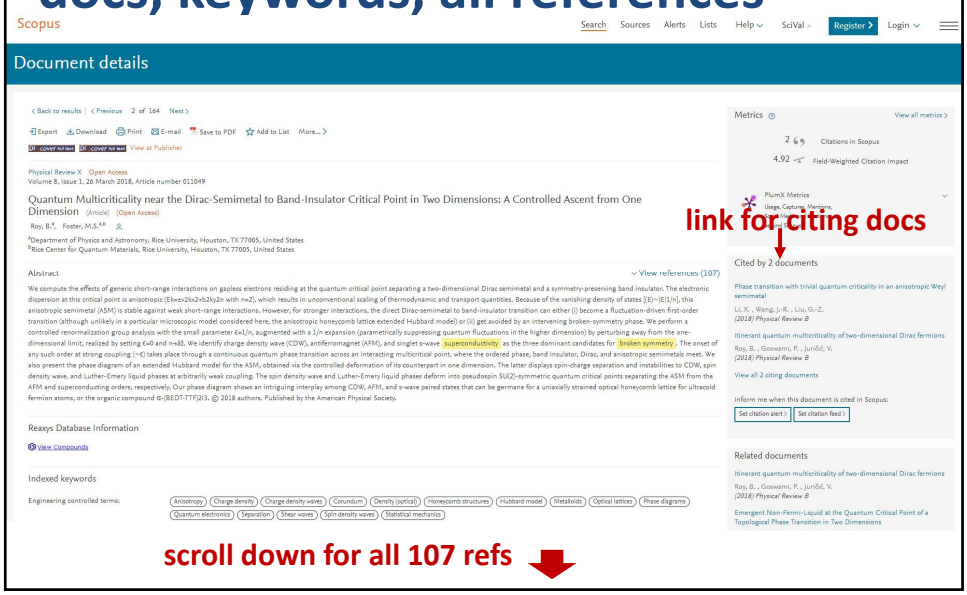
Abstract, metrics, citing docs, related docs, keywords, all references



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You can also access the full text for most papers

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Voilà!

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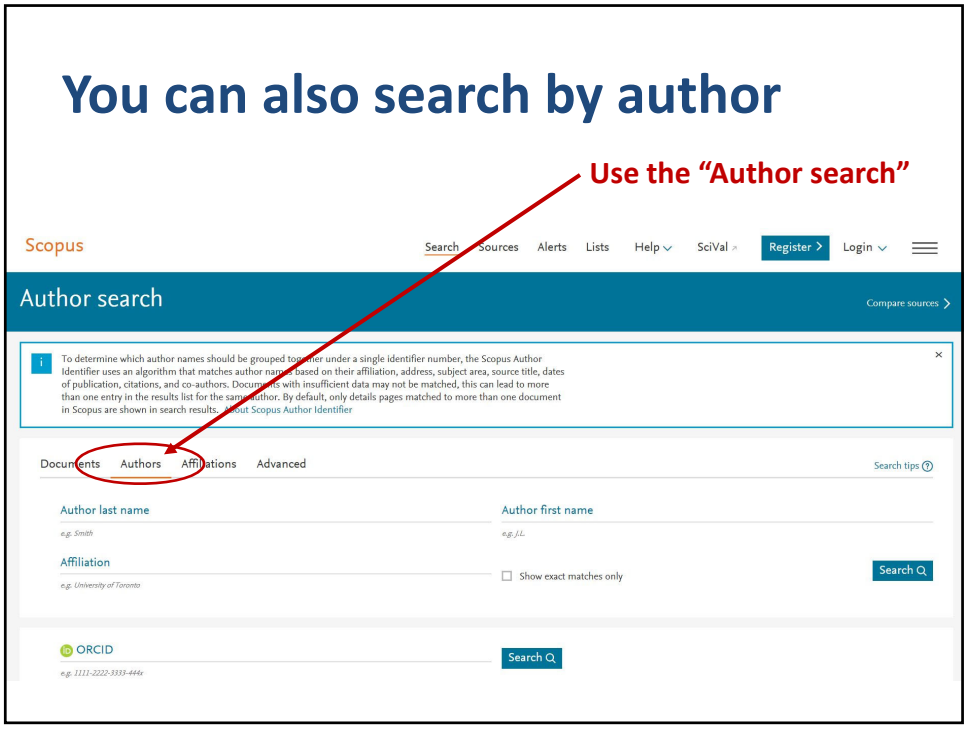

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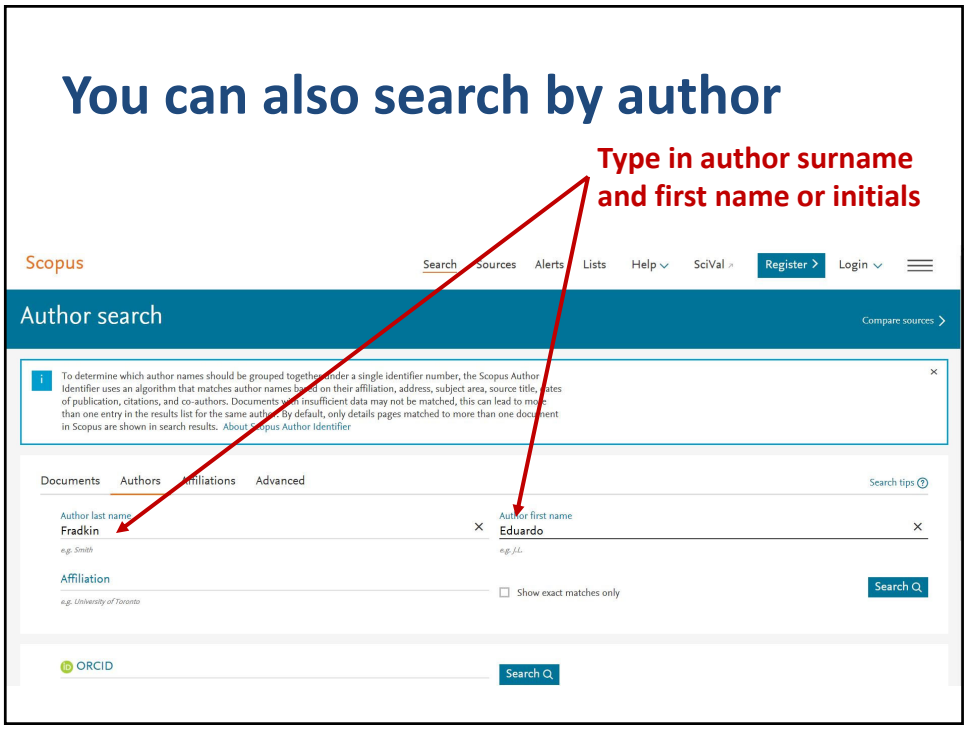

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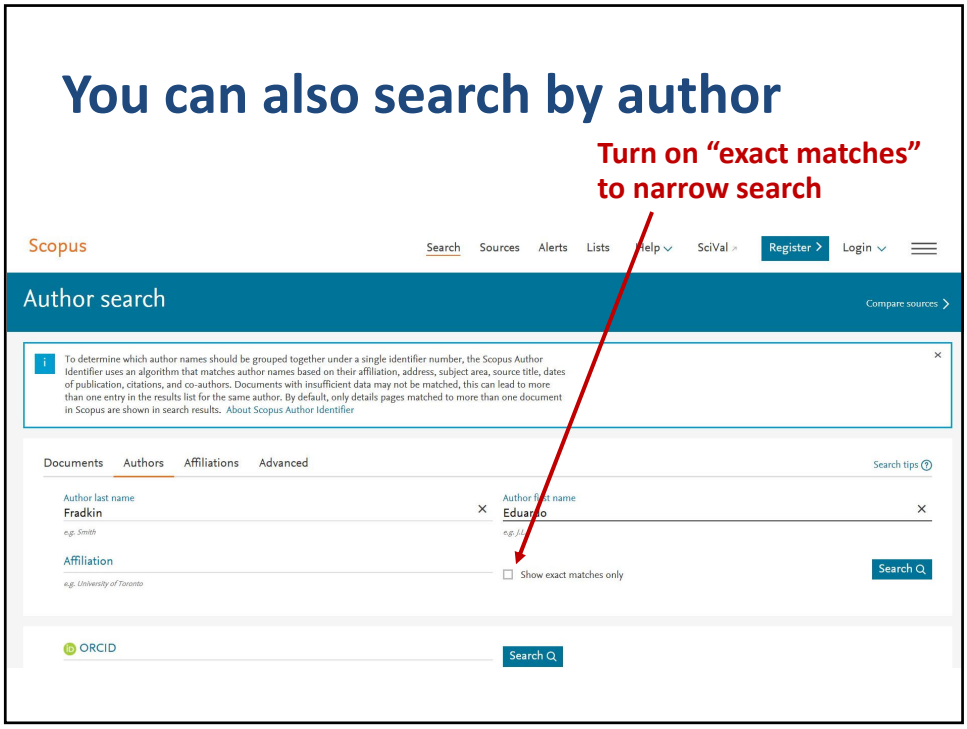
You can also search by author



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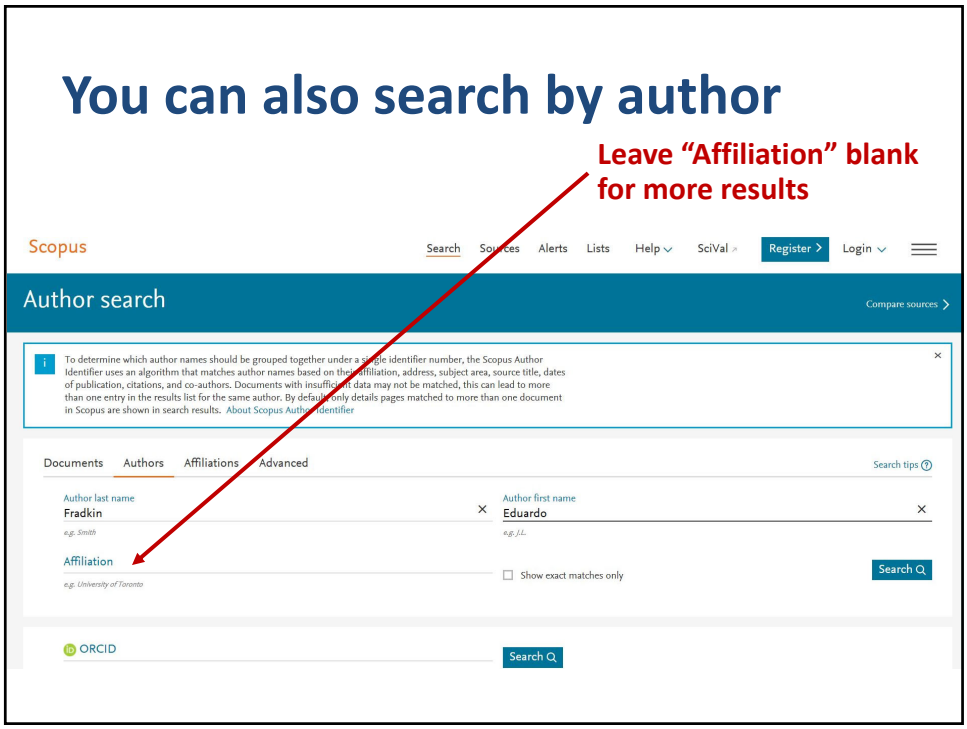
You can also search by author



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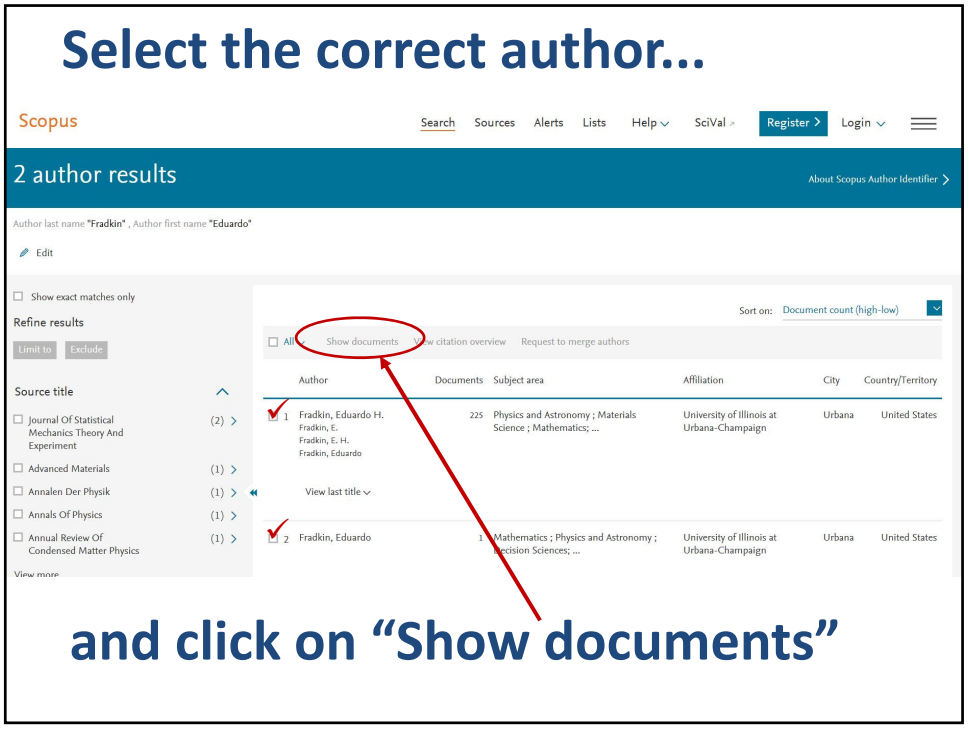

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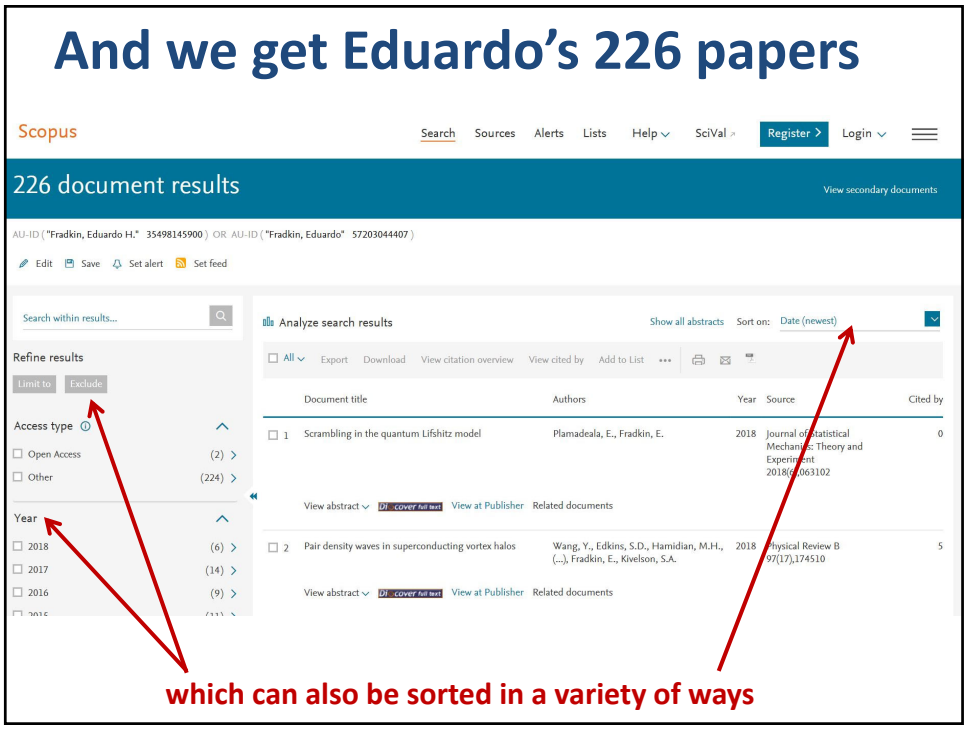

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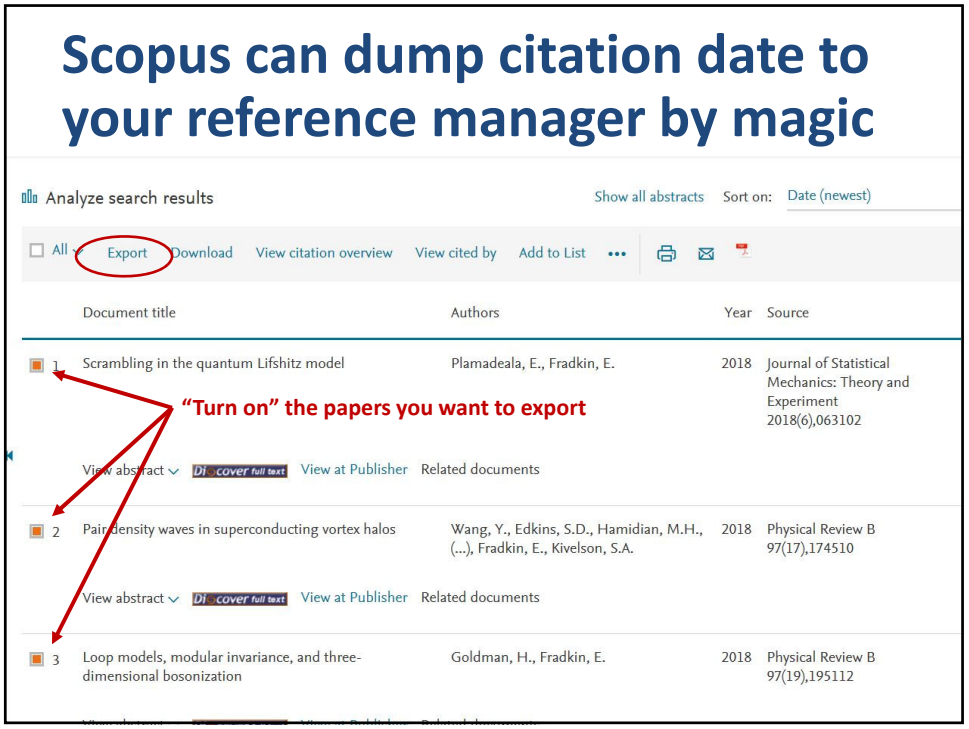
Scopus can dump citation date to your reference manager by magic



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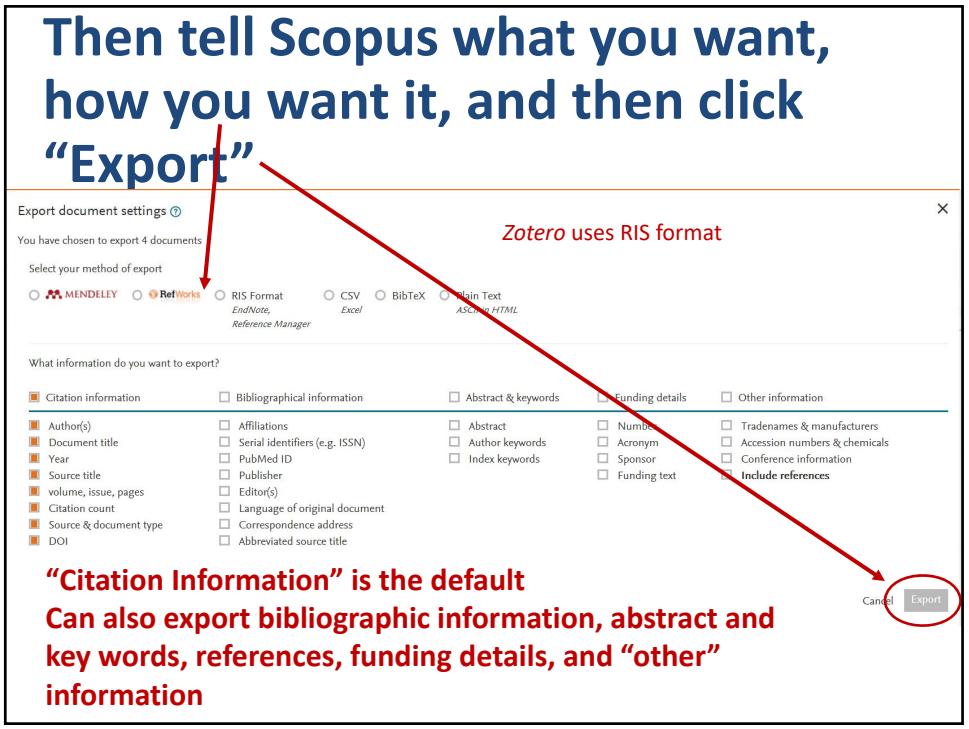
Then tell Scopus what you want, how you want it, and then click "Export"



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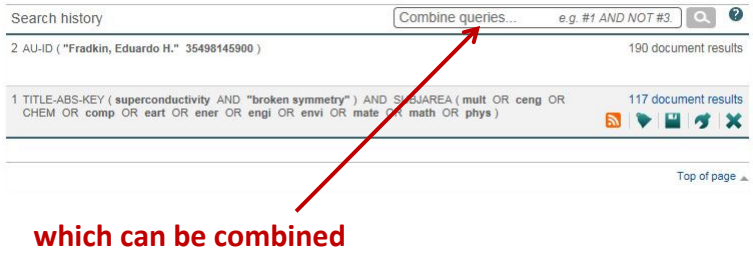
Scopus saves up to 50 searches per session automatically



which can be combined

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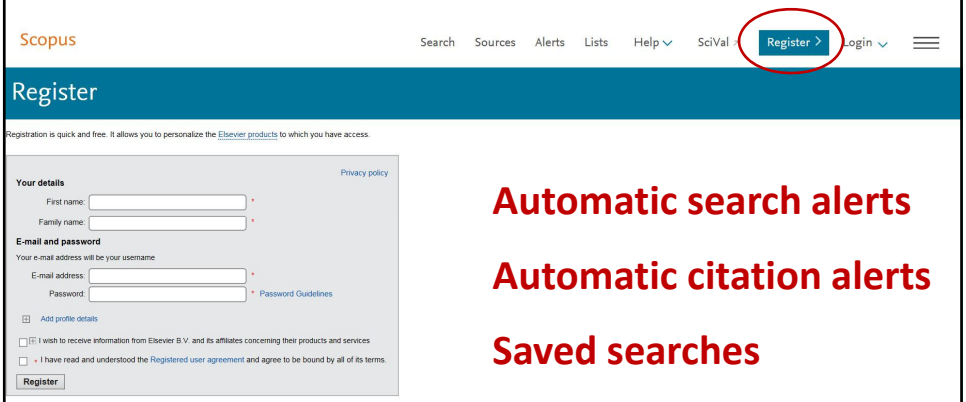
Free registration gives access to additional services



Automatic search alerts

Automatic citation alerts

Saved searches

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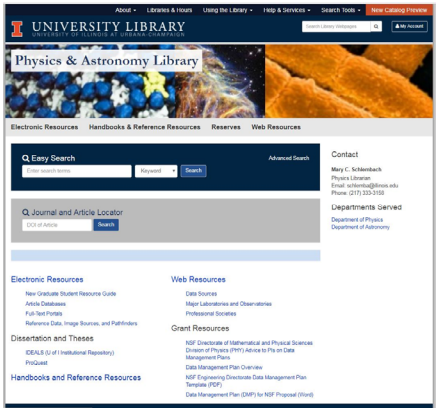
Want to use Scopus* from home?

Log in through the Library gateway at the bottom of the Physics homepage or go directly to

http://www.library.illinois.edu/phx/



cmelliot@illinois.edu
http://physics.illinois.edu/people/Celia

***or any of the Physics electronic resources**

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