



What is Scopus? www.scopus.com

18,000 peer-reviewed journals

400 trade publications

300 book series

24.5 million records with references (to 1996)

21 million records pre-1996 (back to 1823)

4.6 million conf papers from proceedings & jrnl

350 million scientific web pages indexed by Scirus

24.7 patent records from five patent offices

“Articles-in-Press” from >3850 journals

Searching for a topic

Use the “Document search” tab (default)

Type in key words

Use quotation marks to search for exact phrases

Use Boolean operators to add or narrow terms, or add more search fields

Specify the date range

Turn off irrelevant subject areas to speed up searches

Scopus is smart...

Recognizes my spelling error, suggests a correction, and links to those results

Results can be refined by many search parameters

The screenshot shows the Scopus search results interface. At the top, the search bar contains the query 'YBaCu3Oy superconductor broken symmetry'. Below the search bar, the results are displayed in a table with columns for Document title, Authors, Date, Source title, and Citations. The first few results are:

Document title	Authors	Date	Source title	Citations
Topological defects coupling smectic modulations to intra-unit-cell nematicity in cuprates	Mesrobian, A., Fujita, K., Essaki, H., Uchida, S., Davis, J.C., Sachdev, S., Zaanen, J., Li, J., Kim, E.-A.	2011	Science 333(6041) pp. 426-430	0
Normal effect in the cuprate superconductor YBaCu3Oy: Broken rotational and translational symmetries	Chang, J., Diering-Learaud, N., Laibinzi, F., Chou, R., Lebedev, D., Ramamonjisoa, B.J., Liang, R., Li, J., Tallier, L.	2011	Physical Review B - Condensed Matter and Materials Physics 84(15) art. no. 094007	0
Electronic structure of the cuprate superconducting and pseudogap phases from spectroscopic imaging STM	Schmidt, A.B., Fujita, K., Kim, E.-A., Lamer, M.J., Essaki, H., Uchida, S., Lee, D.-H., Davis, J.C.	2011	New Journal of Physics 13, art. no. 095014	0
Observation of topological order in a superconducting doped topological insulator	Wray, L.A., Yu, S.-Y., Liu, Y., Hor, Y.S., Qian, D., Fedorov, A.V., Lin, H., Li, L., Hasan, M.Z.	2010	Nature Physics 6(11) pp. 855-859	15
Scattering and pairing in cuprate superconductors	Tallier, L.	2010	Annual Review of Condensed Matter Physics 1 pp. 51-79	11
Particle-hole symmetry breaking in the pseudogap state of Bi2201	Hashimoto, M., He, R.-H., Tanaka, K., Tetsuta, J.-P., Meerasana, V., Moore, R.G., Lu, D., Li, J., Shen, Z.-X.	2010	Nature Physics 6(8) pp. 414-419	26
Fermi-liquid behavior in an underdoped high-Tc superconductor	Sebastian, S.E., Harrison, N., Abrahams, M.M., Liang, R., Bonn, D.A., Hwang, W.S., Lonzarich, G.G.	2010	Physical Review B - Condensed Matter and Materials Physics 81(14) art. no. 140502	5

Annotations on the screenshot include:

- A red circle around the search bar containing the query.
- A blue circle around the 'Scopus: 112' result count.
- A blue circle around the 'More...' dropdown menu.
- A blue circle around the 'Web' and 'Patents' filters.
- A blue circle around the 'Go to page 1 of 6' and 'Go' buttons.
- A blue circle around the 'Date (Newest)' dropdown menu.
- A blue circle around the 'Search within results' dropdown menu.
- A blue circle around the 'Limit to' and 'Exclude' filters.
- A blue circle around the 'Year' filter (2011, 2010, 2009, 2008, 2007).
- A blue circle around the 'Author Name' filter (Chakraborty, S., Kivelson, S.A., Saha, J.K., Yamamoto, S., Saha, A., Nagaoka, S., Ghosh, A.M., Oishi, M., Vignani, A.L., Lindner, J.).
- A blue circle around the 'Subject Area' filter.

Clicking a title gives you the abstract, links to the full paper, citations, references and related docs

The screenshot shows the abstract page for the article 'The quantum spin Hall effect and topological insulators' by D. S. Lee, S. Zhang, S.-C. Zhang, and S.-C. Zhang. The abstract text reads:

In the quantum world, atoms and their electrons can form many different states of matter, such as crystalline solids, magnets, and superconductors. These different states can be classified by the symmetries they spontaneously break: translational, rotational, and gauge symmetries, respectively, for the examples above. Before 1980 all states of matter in condensed-matter systems could be classified by the principle of broken symmetries. The quantum Hall (QH) state, discovered in 1980, provided the first example of a quantum state that has no spontaneous broken symmetry: its behavior depends only on its topology and not on its specific geometry; it was topologically distinct from all previously known states of matter. © 2010 American Institute of Physics.

The page also includes sections for 'Cited by since 1998', 'References (25)', and 'Related documents'. The 'References' section lists:

1. H. Kihng, K.V. Doris, G. Pepper, M. New method for high-accuracy determination of the fine-structure constant based on quantized Hall resistance (1989) Physical Review Letters 62(8) pp. 484-487. Cited 1044 times. doi: 10.1103/PhysRevLett.62.484
2. D. Bernevig, S.A. Hughes, T.L. Zhang, S.-C. Zhang Quantum spin Hall effect and topological phase transition in HgTe quantum wells

You can also search by author

The screenshot shows the Scopus Author search page. Annotations with blue arrows point to various fields and options:

- Use the "Author search"**: Points to the "Author search" tab.
- Type in author surname and initials**: Points to the "Last Name" and "Initials or First Name" input fields.
- Use "exact matches" to narrow search**: Points to the "Show exact matches only" checkbox.
- Leave "Affiliation" blank for more results**: Points to the "Affiliation" input field.
- Turn off irrelevant subject areas to speed up searches**: Points to the "Subject Areas" section where "Physical Sciences" is checked and "Social Sciences & Humanities" is unchecked.

Below the search form is a "Search history" section showing previous searches and their results.

Select the correct author...

Make Author Selection

The screenshot shows the "Author Selection" interface. A blue circle highlights the first author in the list, and a blue arrow points to the "Show Documents" button below the list.

Authors	Documents	Subject Area	Affiliation	City	Country
Freidkin, Eduardo H. Freidkin, E. Freidkin, E. E.	360	Physics and Astronomy; Materials Science; Mathematics, ...	University of Illinois at Urbana-Champaign	Urbana	United States
Freidkin, E. S.	111	Physics and Astronomy; Mathematics, Engineering, ...	Ph.Lebedev Physics Institute, Russian Academy of Sciences	Moscow	Russian Federation
Freidkin, E. E. Freidkin, E. E. Freidkin, E. E.	27	Physics and Astronomy; Engineering, Chemistry, ...	Saint Petersburg State University	Saint Petersburg (ex Leningrad)	Russian Federation
Freidkin, E. I.	12	Engineering, Earth and Planetary Sciences	ZAO Sotantel	Moscow	Russian Federation
Freidkin, L. E.	5	Materials Science; Engineering	Donetsk Polytechnic Inst		Russian Federation
Freidkin, Edward J. Freidkin, E. J.	2	Chemical Engineering			
FRADKIN, G. E.	2	Energy			

...and click on "Show Documents"

And we get Eduardo's 160 papers

Scopus: 160

Your query: AU-ID: Fradkin, Eduardo H.* (1498145900)

Document results: 160

Document title	Author(s)	Date	Source title	Citations
1 Role of nematic fluctuations in the thermal melting of pair-density wave phases in two-dimensional superconductors	Bairo, D.G., Fradkin, E.	2011	Physical Review B - Condensed Matter and Materials Physics 83 (10), art. no. 100509	1
2 Boundary effects on the local density of states of one-dimensional Slott insulators and charge density wave states	Schunck, D., Essler, F.H.L., Jarfal, A., Fradkin, E.	2011	Physical Review B - Condensed Matter and Materials Physics 83 (3), art. no. 035111	1
3 The effective fine-structure constant of freestanding graphene measured in graphite	Reed, J.P., Uchida, S., Jia, Y.I., Gan, Y., Cass, D., Fradkin, E., Aboumoum, P.	2010	Science 320 (6055), pp. 805-809	6
4 Charge-density wave and superconductor competition in stripe phases of high-temperature superconductors	Jarfal, A., Lai, S., Fradkin, E.	2010	Physical Review B - Condensed Matter and Materials Physics 82 (14), art. no. 144531	0
5 Universal behavior of entanglement in 2D quantum critical dimer models	Hou, B., Fradkin, E.	2010	Journal of Statistical Mechanics: Theory and Experiment 2010 (9), art. no. P09004	0
6 Pair-density wave correlations in the Kondo-Néelberg model	Berg, E., Fradkin, E., Kivelson, S.A.	2010	Physical Review Letters 105 (14), art. no. 148402	1
7 Tunable gas sensing properties of p- and n-doped ZnO thin films	Kobinsky, V., Fradkin, E., Lumelitsky, V., Rothschild, A., Komen, T., Litvin, T.	2010	Sensors and Actuators: B: Chemical 148 (2), pp. 379-387	1

which can also be sorted in a variety of ways

Scopus saves up to 50 searches per session automatically

Search history

Select: All

Combine queries: e.g. (#1 AND #2) AND NOT #3

Search	Results	Actions
3 <input type="checkbox"/> AU-ID("Fradkin, Eduardo H." 35498145900)	160	Edit Save Set alert Set feed
2 <input type="checkbox"/> TITLE-ABS-KEY(superconductor AND "broken symmetry") AND (LIMIT-TO(AU-ID, "Sauls, J. A." 7004123097))	3	Edit Save Set alert Set feed
1 <input type="checkbox"/> TITLE-ABS-KEY(superconductor AND "broken symmetry")	0	Edit Save Set alert Set feed

Note: This Search history will contain the latest 50 searches you perform in this session.

If you "register" with Scopus (which is free), you can save searches with your user name and password

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The Virtual Physics and Astronomy Library
The Physics and Astronomy Library in Loomis Lab closed on June 12, 2009.
All library services for Physics/Astronomy are now coordinated by the Grainger Engineering Library Information Center.

Please contact Mary Schlenker with any questions or comments.

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- Astrophysical Data System (ADS)
- INSPEC (Physics Abstracts: 1995 -)
- SLAC/SPHES HEP Database
- Web of Science
- Database of Observatory Pubs
- Preprints and electronic Journals

Full-Text Portals

- IEEE/IEE Full-Text
- AIP Scitation
- AIP Scitation User Guide(pdf)

Web of interests

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- Current events information
- Reference data & image sources / Pathfinders

Professional Societies

- American Astronomical Society (AAS)
- American Institute of Physics (AIP)
- American Physical Society (APS)
- Astronomical Society of the Pacific (ASP)
- Institute of Physics (IOP)
- European Physical Society (EPS)

Departments & Other Libraries

- Physics Department
- Astronomy Department
- Grainger Library

*and any of the Physics electronic resources