

IRC Research Guide

for

Modern Physics Topics: Effective Searches for Books, Scholarly Literature

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Have you found books and background information on your topic?



Reference Books and Databases

The Feynman Lectures on Physics, 3 vols.	R 530 FEYN FEYN 1989
The Physical review: the first hundred years	R 530 STRO PHYS 1995
World of Physics, 2 vols.	R 530.03 MCGR 2001
McGraw-Hill Dictionary of Physics	R 530.03 PARK MCGR 1997
Macmillan Encyclopedia of Physics, 4 vols.	R 530.03 RIDG MACM 1996
Encyclopedia of Physics	R 530.03 ROSE ENCY 2004
Twentieth Century Physics, 3 vols.	R 530.09 BROWTWEN 1995
Theories for Everything	R 509 LANG THEO 2006



IRC's Library Catalog Link from: <http://staff.imsa.edu/irc/>

- Try Subject search and Advanced Search.
- Note additional keywords you can use in other databases.

Have you searched for journal articles, including scholarly, peer-reviewed publications?



IRC Journals (in print) - Browse current issues of:

American Scientist	Physics Today
Nature	Science
New Scientist	Science News
	Scientific American

Note: American Journal of Physics citations, abstracts available in various IRC Research databases; full-text will require an Interlibrary Loan request.



IRC's Research Databases Link from: <http://staff.imsa.edu/irc/>

2 ways to search:

One-Search (several databases simultaneously)

- Enter keywords
- Select categories: Reference *and/or* Science, Medicine, etc.
- Go
- When you have your results list, select a Results display mode

“Power Search” (by individual database)

- Link to a specific database (see suggestions below)
- Use Expert Searcher Tips:

Expert Searcher Tips

- | | |
|---|--|
| • <i>Choose type of search:</i> | Basic / Advanced / Subject/Topic Guide |
| • <i>Group keywords:</i> | Need Boolean operators? |
| • <i>Note where words are searched:</i> | Title, abstract, full-text... |
| • <i>Search exact phrases:</i> | Need quotation marks? |
| • <i>Use wildcard characters:</i> | Usually * Check database “Help” if not sure |
| • <i>Limit results:</i> | By publication year, full-text, scholarly article... |
| • <i>Sort results:</i> | By most recent first, most relevant first... |

- **Access Science** - Encyclopedia articles; Research & News updates
- **Academic Search Premier** - Multi-disciplinary
--Use Advanced Search
--Limit to Full Text and Scholarly Journals
- **Blackwell E-Journals** - Full text journals covering science, technology, medicine, etc.
- **Expanded Academic ASAP** - Multi-disciplinary
--Use Advanced Search
--Limit to Full Text and Peer-Reviewed
- **Proquest** - Multi-disciplinary
--Try Advanced Search & Limits (full-text; scholarly).
- **ScienceDirect** - Full text for 2001-present
--Limit to Journals.

Search Open-Access Journals and Publications:

- **Annual Reviews** (Nuclear & Particle, Biophysics, Fluid Mechanics, Astrophysics, etc.)
<http://arjournals.annualreviews.org/search/advanced>
- **Directory of Open-Access Journals from Lund University Libraries**
<http://www.doaj.org/doaj?func=searchArticles>
- **Institute of Physics**
<http://www.iop.org/EJ/search>



Web Sites

Physics Central (American Physical Society) <http://www.physicscentral.org/>

Physics World (Institute of Physics) <http://physicsworld.com/>

Internet Public Library Physics Links

<http://ipl.org/div/subject/browse/sci54.00.00/>

--See Also Link to “Magazines”

Citing References in Scientific Research Papers

<http://kilburn.keene.edu/Courses/Reference/Papers/Citations.html>

MOST IMPORTANTLY: Ask us!

IMSA Information Resource Center

<http://staff.imsa.edu/irc/>

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