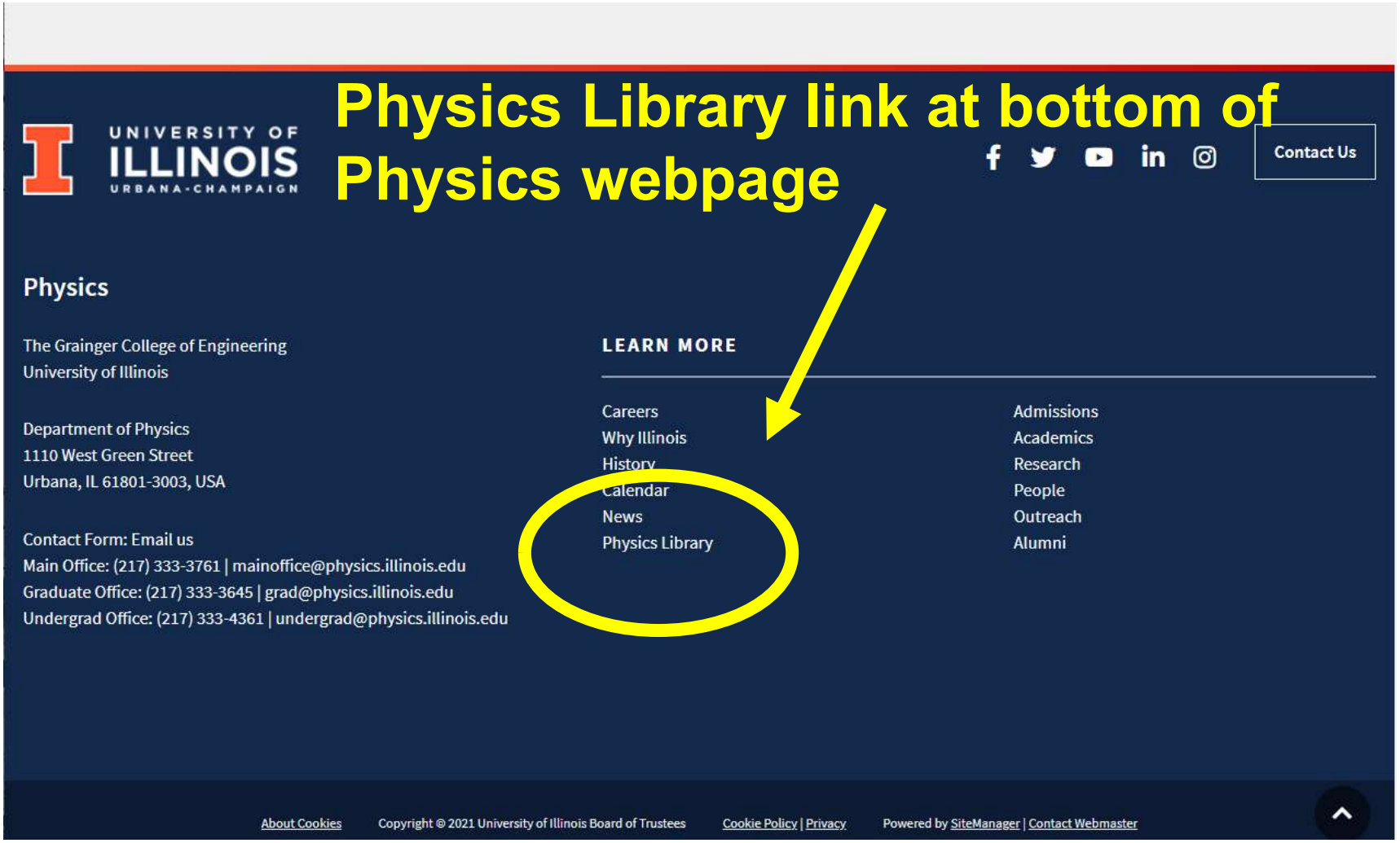
Online Scientific Resources and Performing Scientific Literature Searches

The place to start!! http://www.library.illinois.edu/phx/



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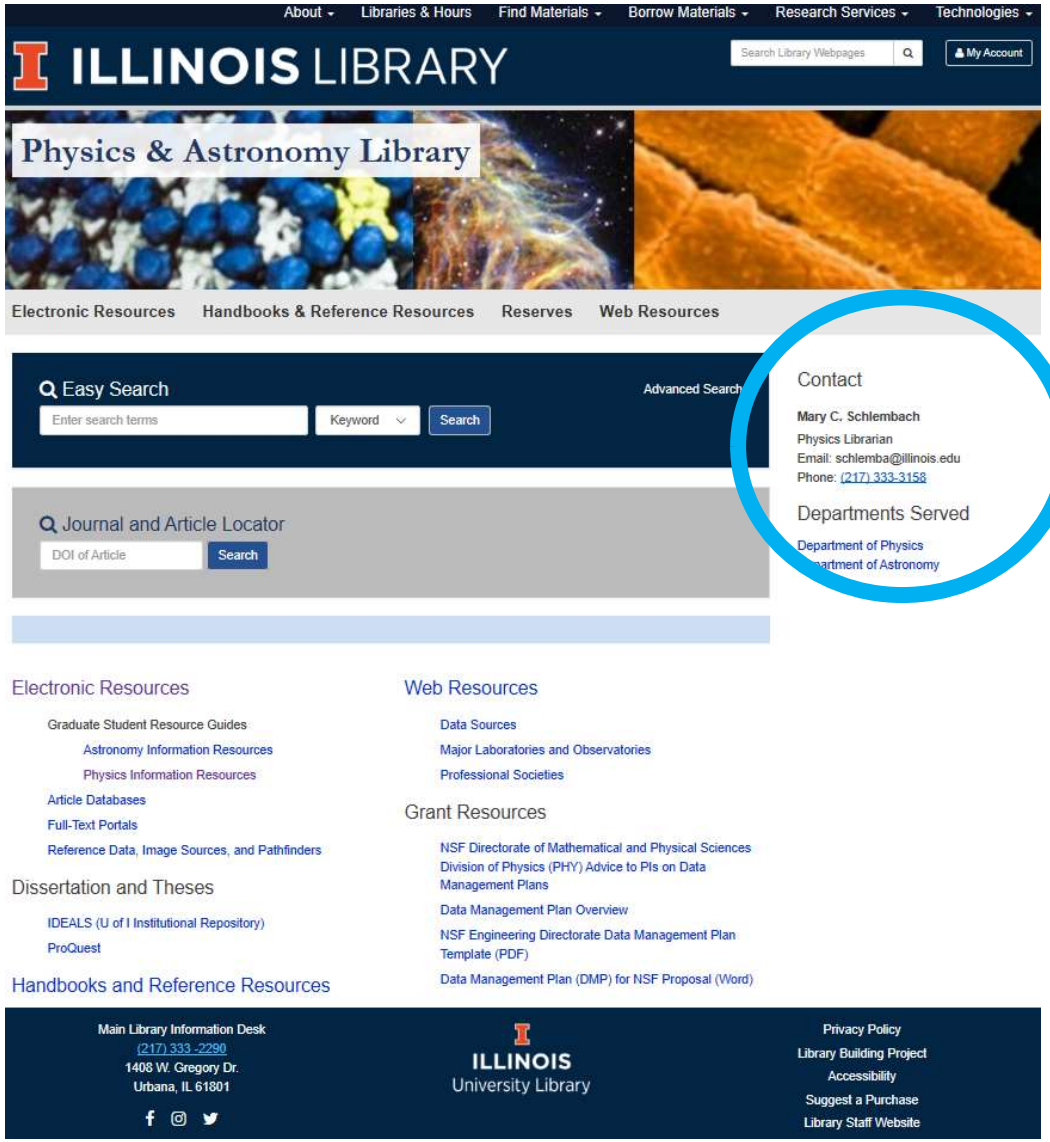
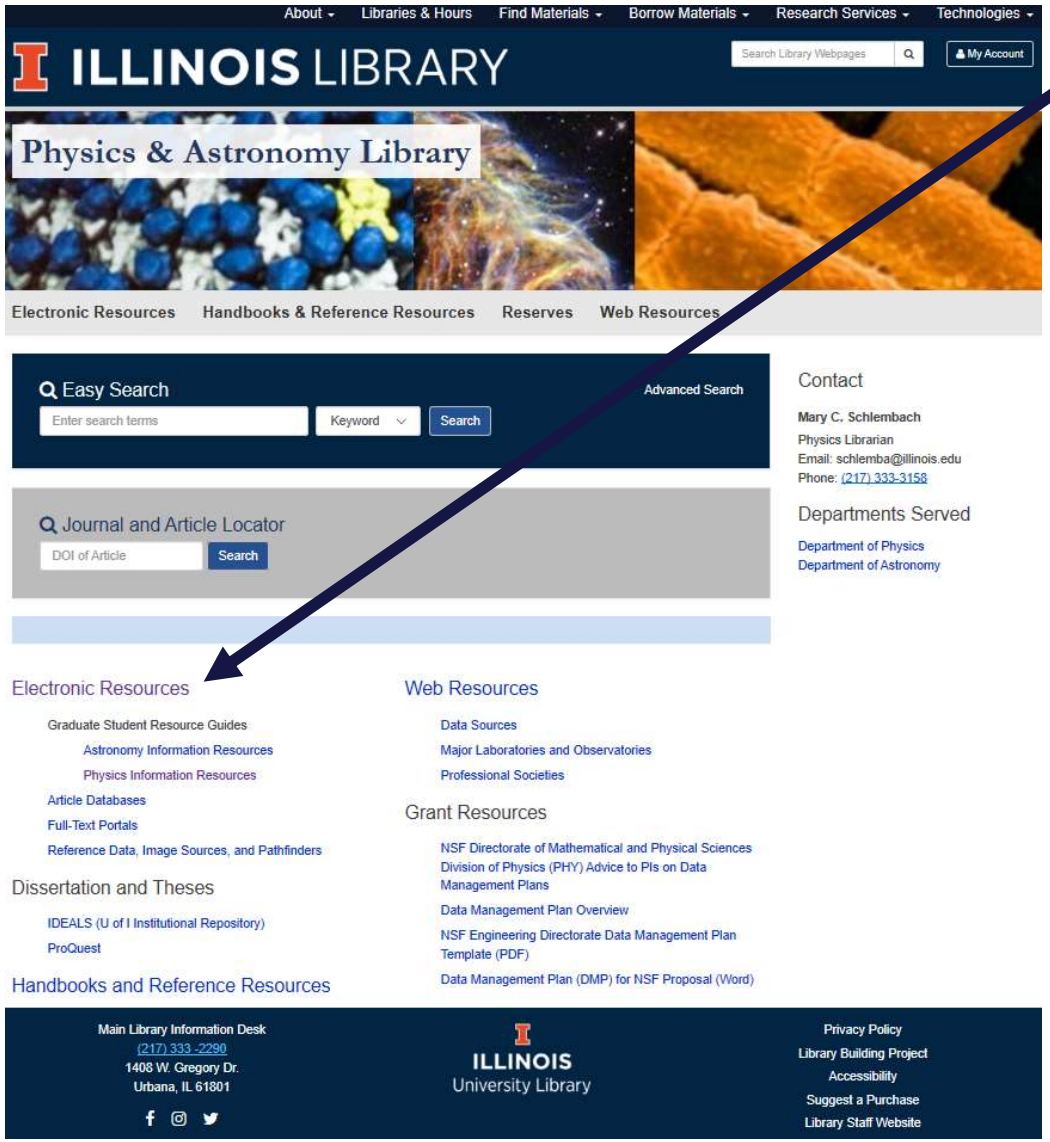


Physics Librarian

Mary Schlembach

Introduce yourself to Mary and make her your friend—she can find *anything*!

The place to start!! http://www.library.illinois.edu/phx/



Electronic Resources

New Graduate Student Resource Guide

Article Databases

Full-Text Portals

Reference Data, Image Sources, and Pathfinders

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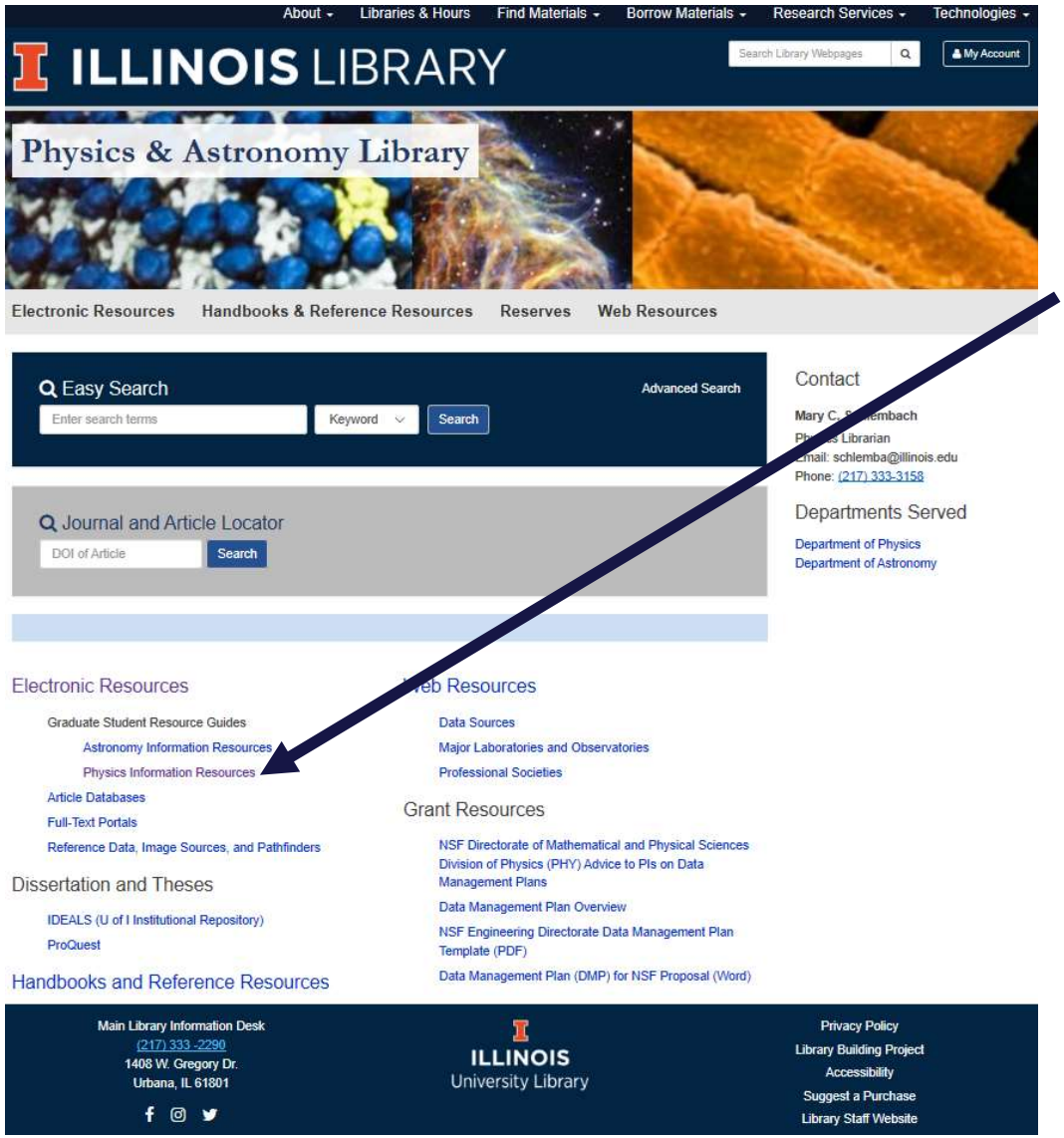

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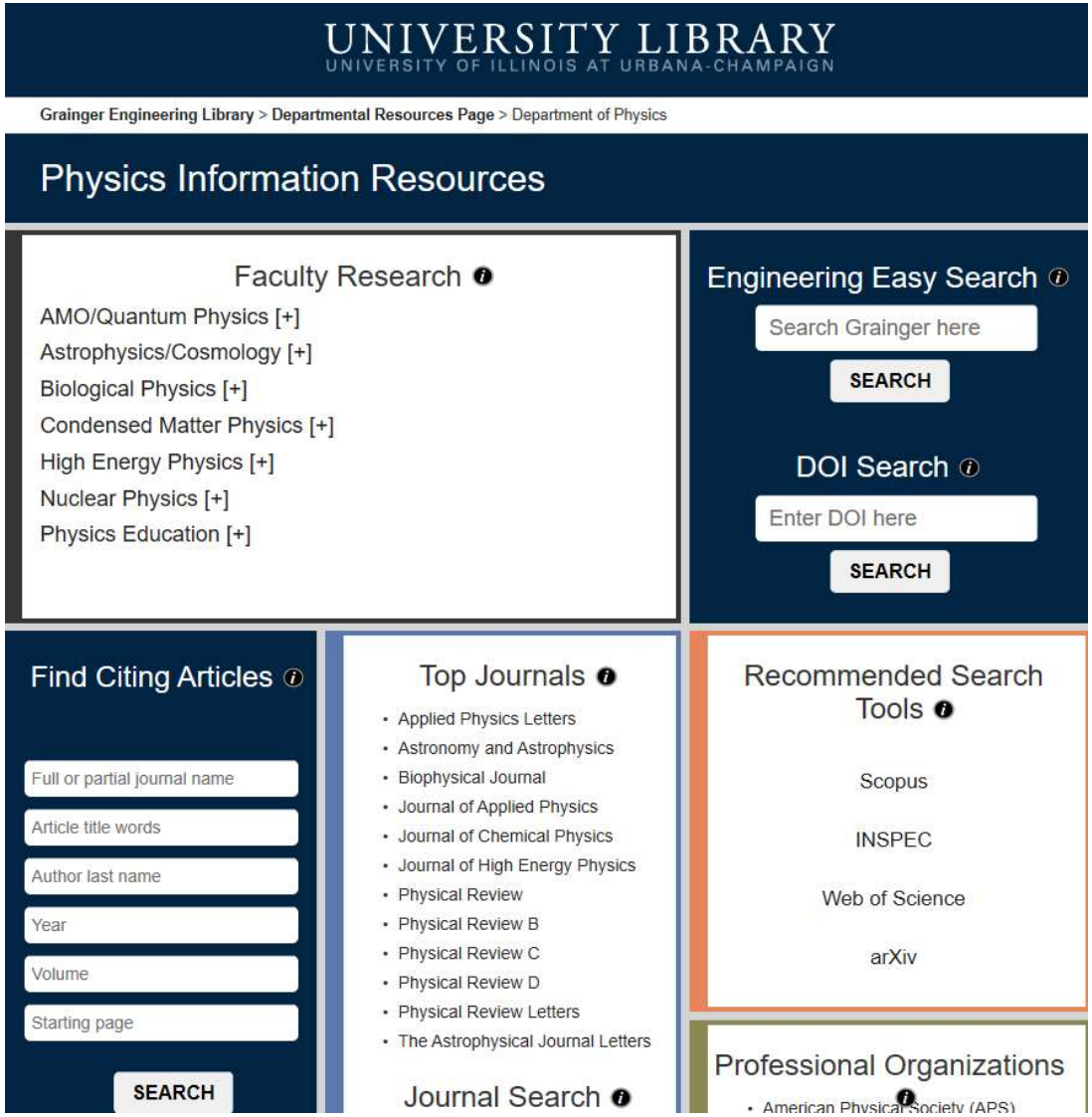


How to find scientific papers:

Article Databases

Article Databases

SCOPUS (Stay tuned for more on Celia's favorite database)

ARIBIB (**A**stronomisches **R**echen-**I**nstitut **BIB**liographical Database for Astronomical References)

arXiv.org E-Print Archive

Astrophysical Data System (ADS)

INSPEC (Physics Abstracts: 1895-)

inSPIRE High Energy Physics Database

Web of Science

Database of Observatory Publications

SciTech Connect

Department of Energy Pages: Public Access Gateway for Energy & Science

How to find scientific papers:

Full-Text Portals

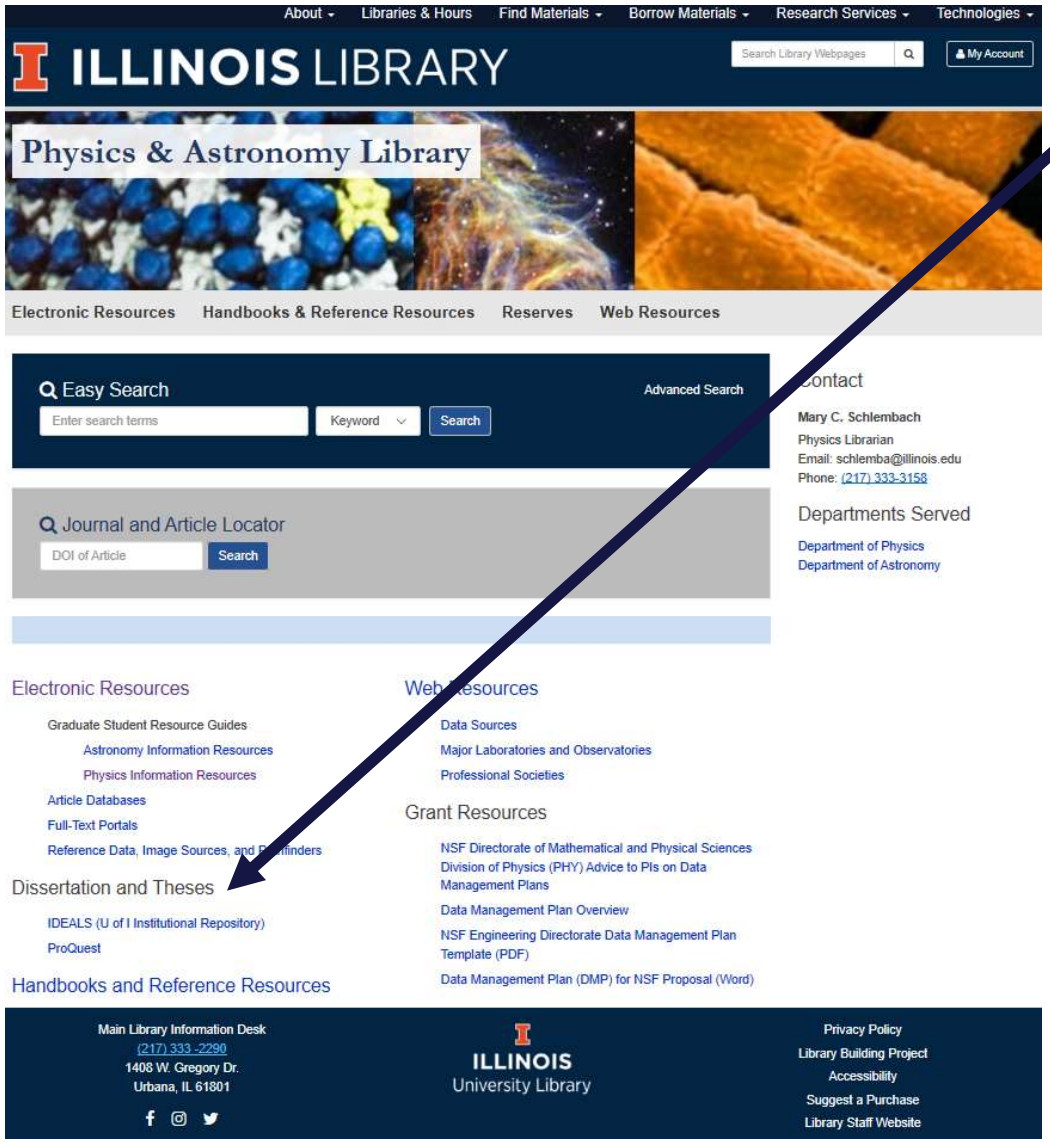
Full-Text Portals

IEEE/IEE Full-Text

AIP Scitation

AIP Scitation User Guide (pdf)

The place to start!! http://www.library.illinois.edu/phx/



Dissertations and Theses

IDEALS (U of I Institutional Repository)

ProQuest

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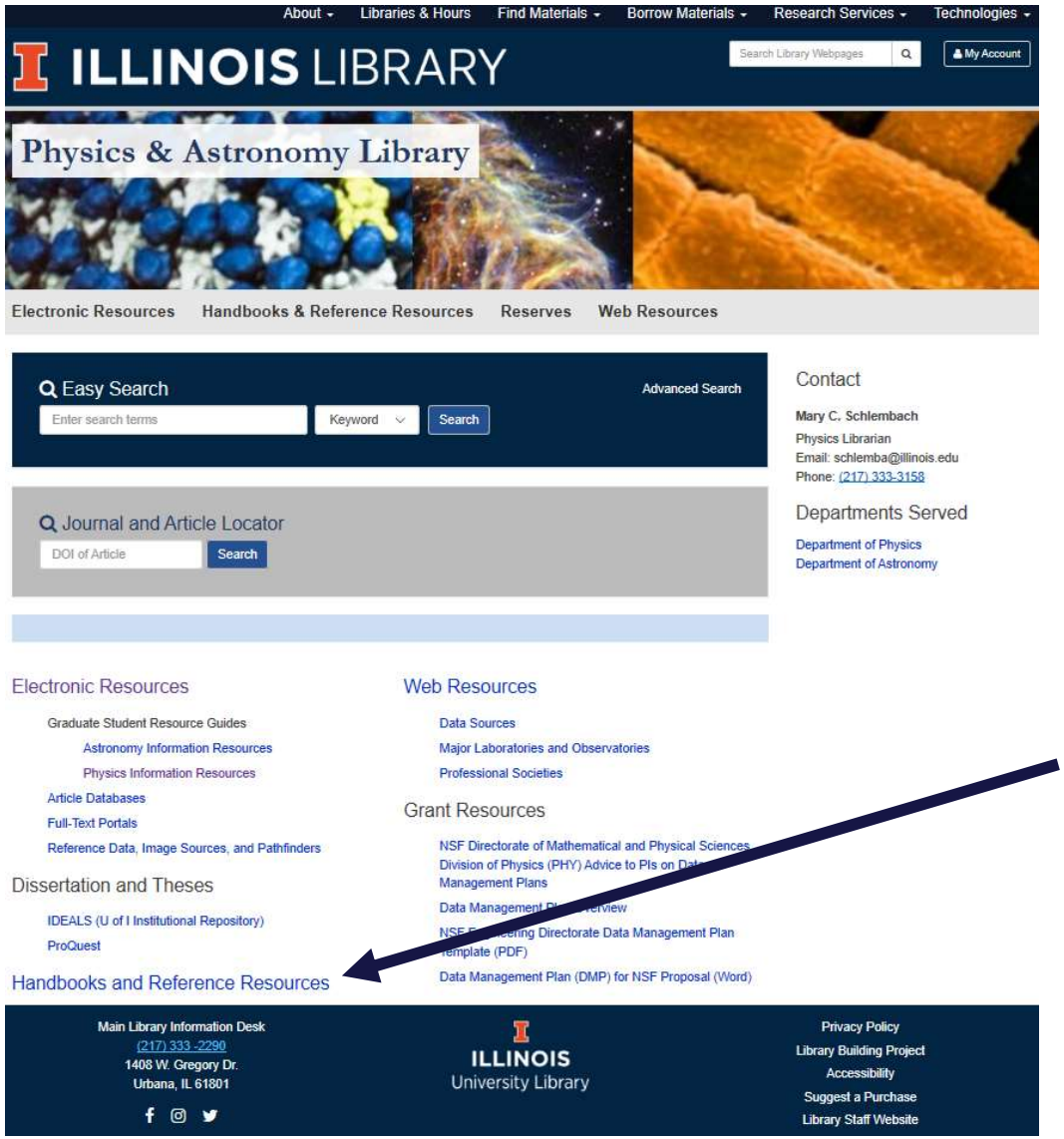

Dissertations and Theses

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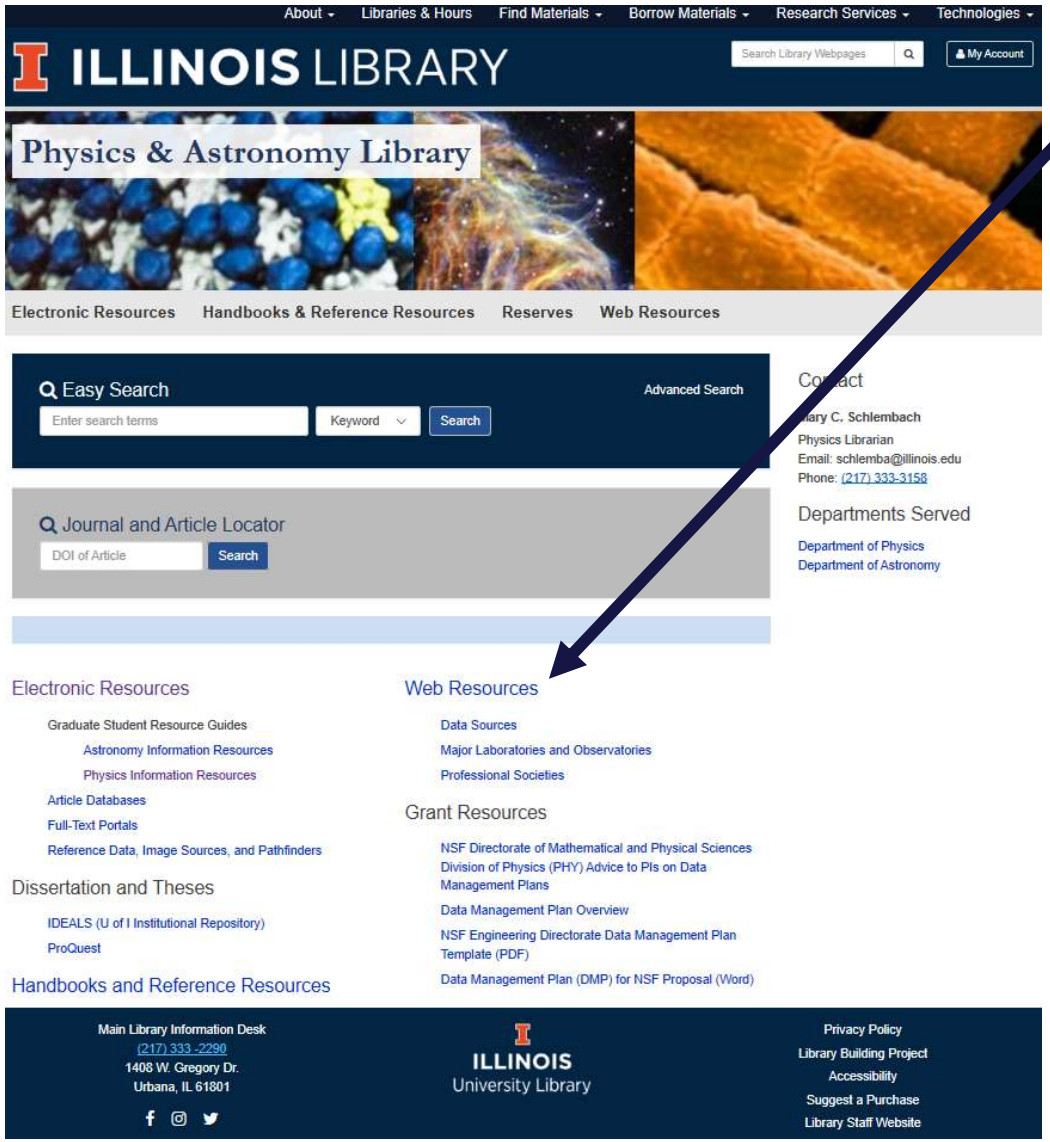

Web Resources

Data Sources

Major Laboratories and Observatories

Professional Societies

Where to download published scientific papers:

Go to Physics Library: http://www.library.illinois.edu/phx/

Select "Electronic Resources (ORR)" link

Search on Title of Journal, follow "Full Text Available" links

Phys. Rev. Lett.: http://prl.aps.org/ (general physics)

Phys. Rev. A: http://pra.aps.org/ (atomic, mol., optical)

Phys. Rev. B: http://prb.aps.org/ (condensed matter)

Phys. Rev. C: http://prc.aps.org/ (nuclear physics)

Phys. Rev. D: http://prd.aps.org/ (particle/cosmology)

Phys. Rev. E: http://pre.aps.org/ (soft matter, statistical)

Science: http://www.sciencemag.org/

Nature: http://www.nature.com/nature/index.html

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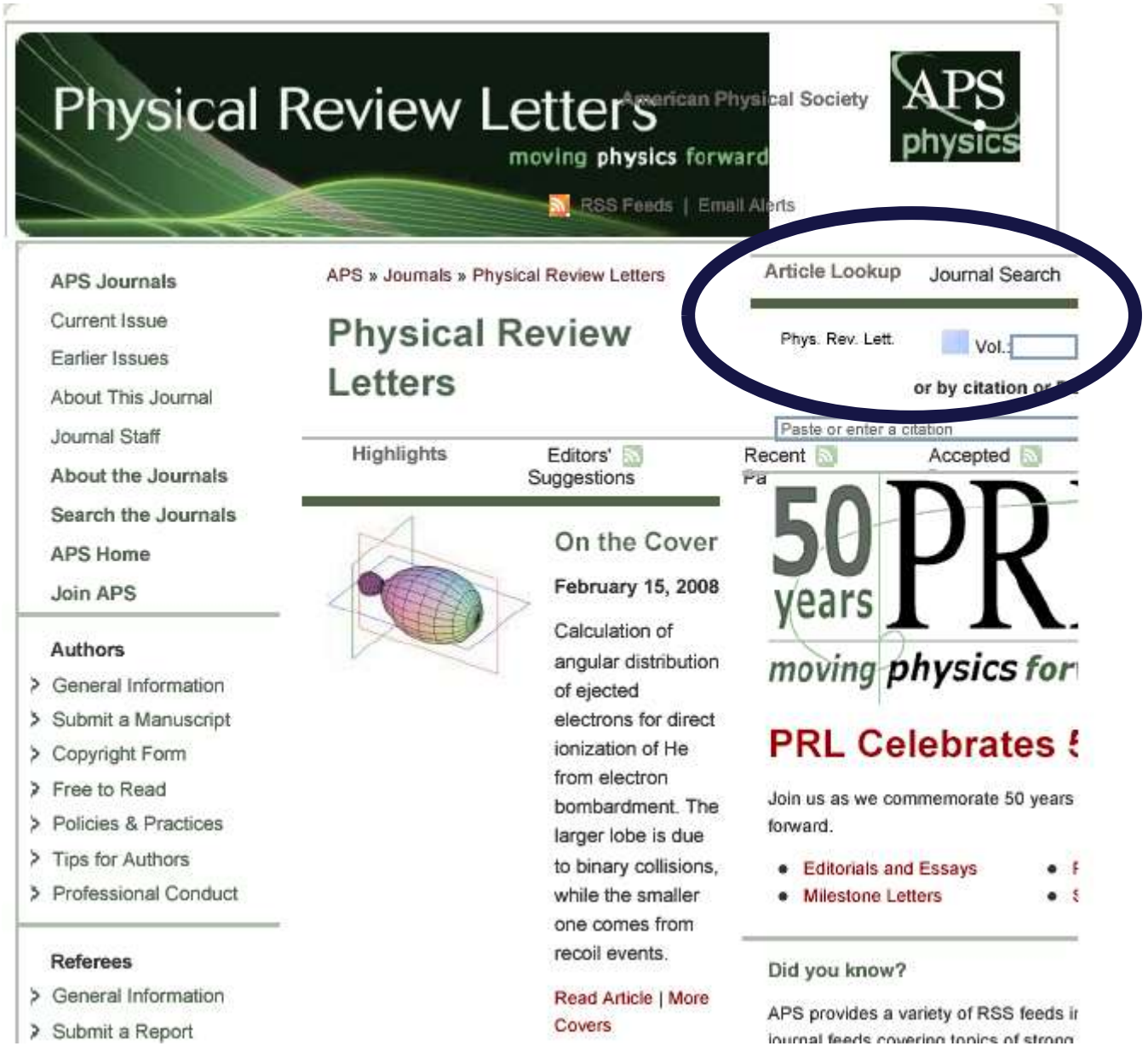

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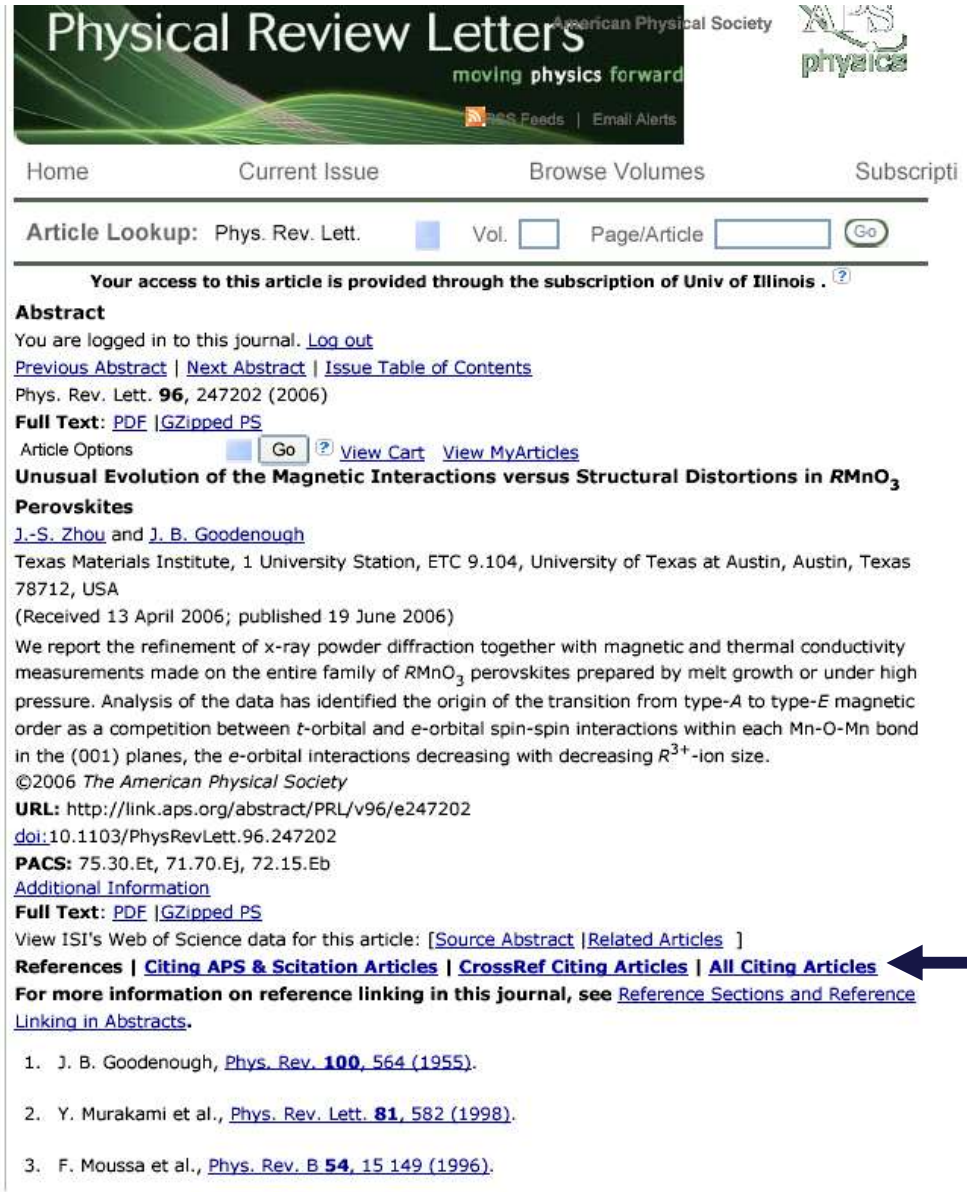

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← **All Citing Articles**

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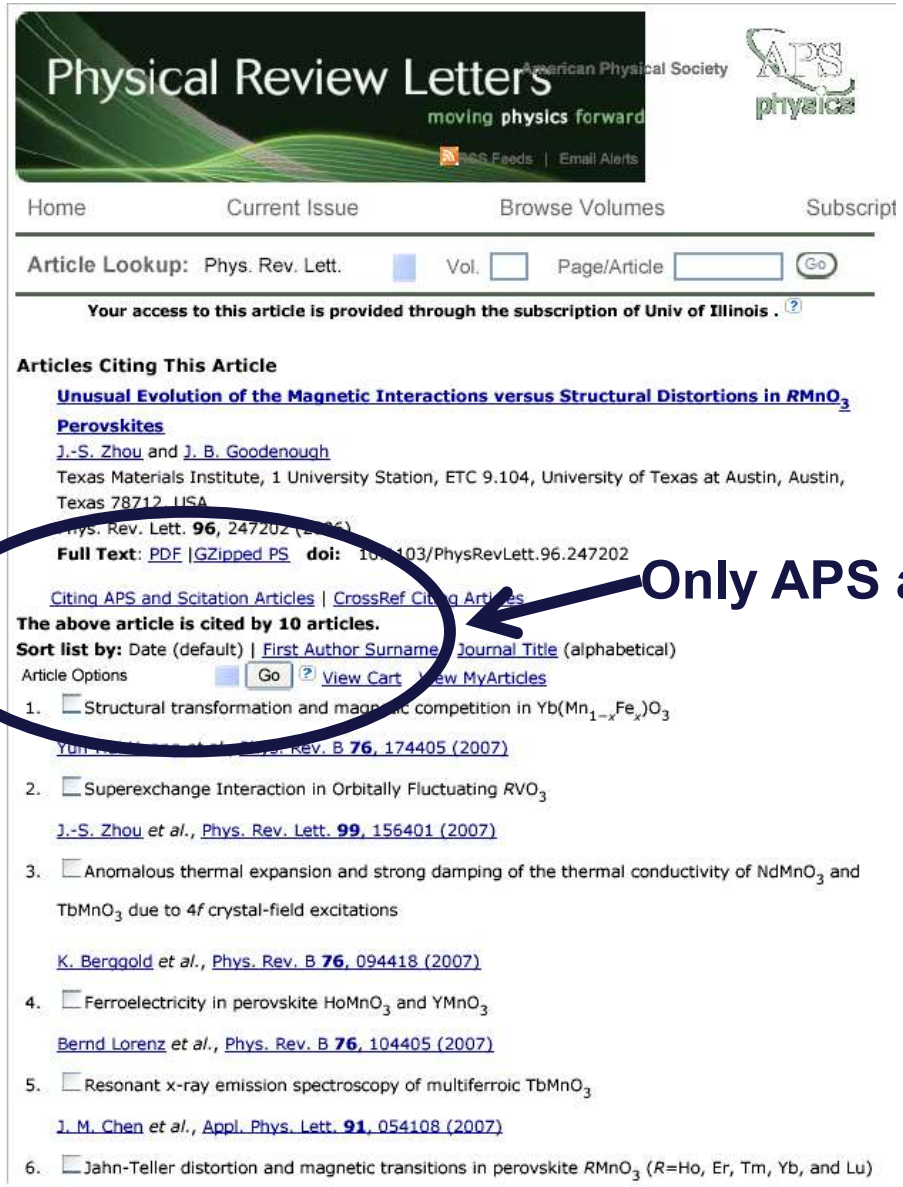
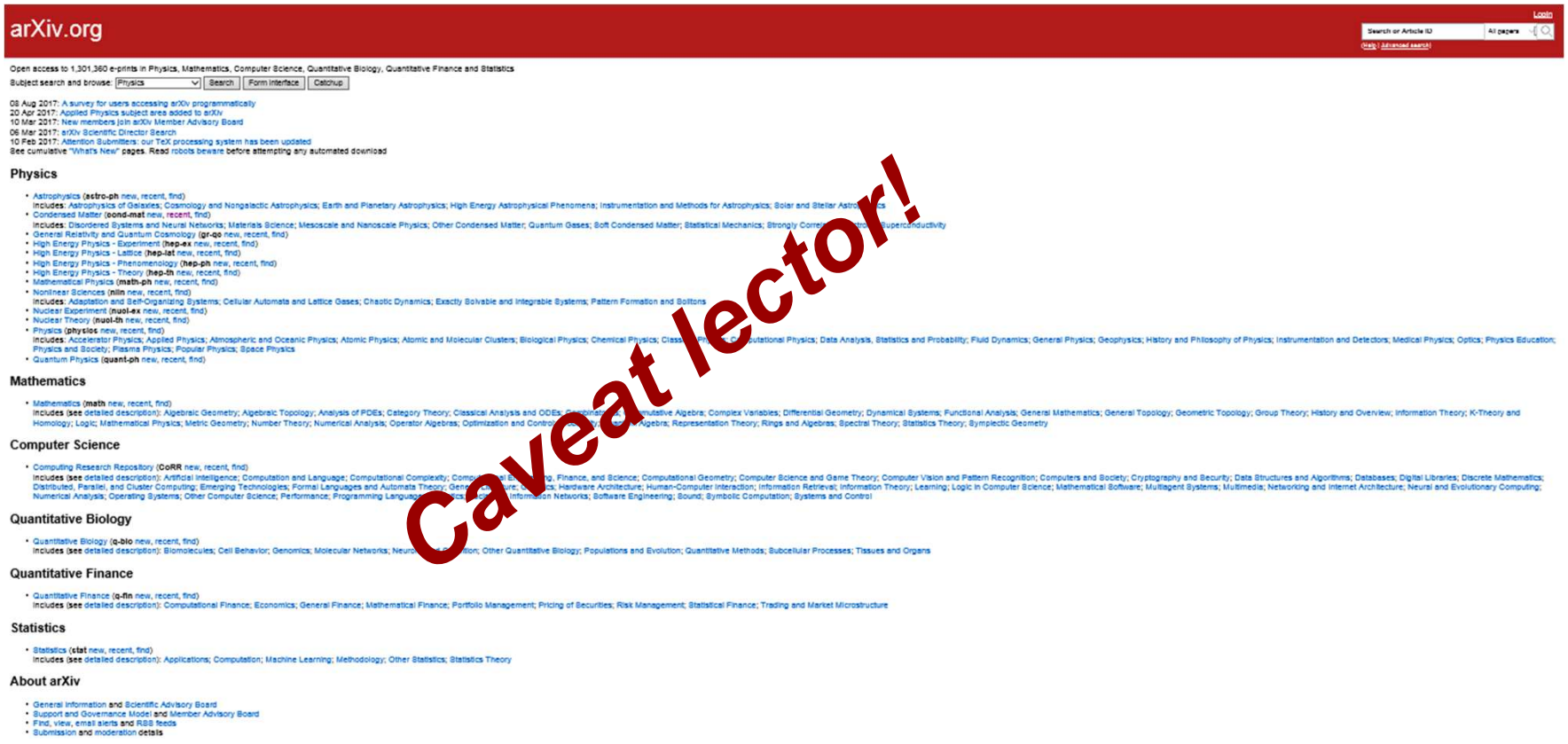


Only APS and affiliated articles!

Where to download published scientific papers:

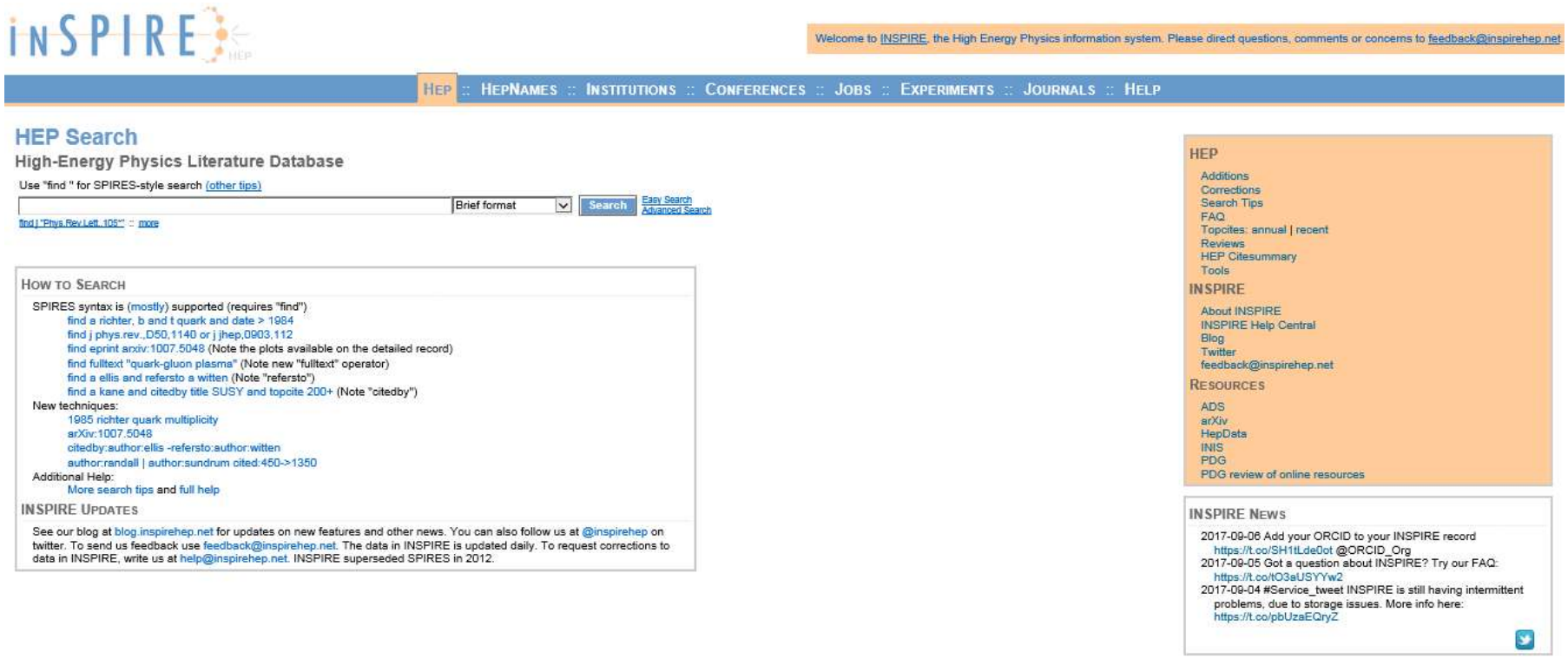
Where to download unpublished scientific papers:

http://www.arXiv.org
Preprint server—NOT peer-reviewed



Where to download unpublished scientific papers:

http://inspirehep.net/
inSPIRE: High-Energy Physics Literature



How to keep track of scientific papers:

Choosing a citation manager

- EasyBib

  Automatic works cited and bibliography formatting for MLA, APA, and Chicago/Turabian citation styles.

- Mendeley

  Mendeley is a free reference manager and academic social network. Make your own fully-searchable library in seconds, cite as you write, and read and annotate your PDFs on any device.

- Zotero

  Zoero is a free, easy-to-use tool to help you collect, organize, cite, and share your research sources.

More information on citation managers

Citation Management Overview—University Library

Comparison of Reference Management Software

To recap:

Huge resources are available on your desktop

Get familiar with the Physics Library website

Make friends with Mary Schlembach

If you need help finding something, ASK!

Figure out how you're going to keep track of all those papers

Questions?
slcooper@illinois.edu
cmelliot@illinois.edu