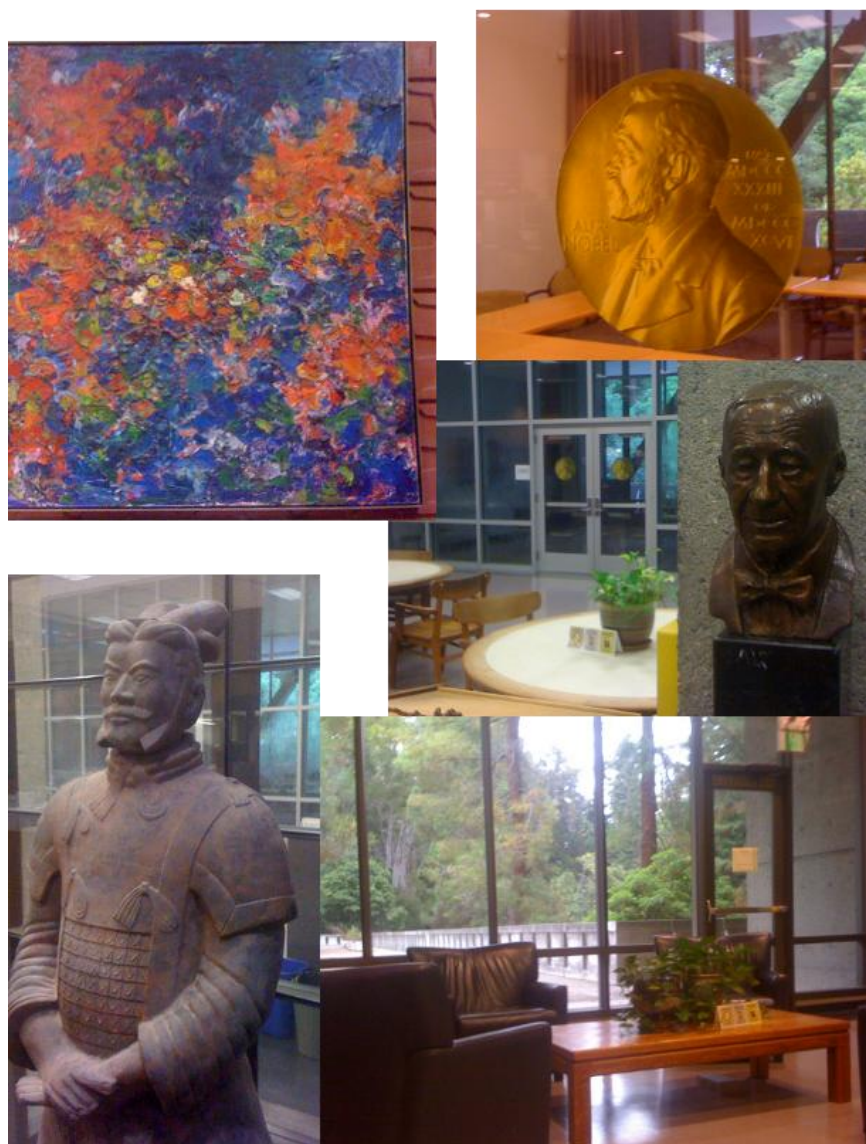


Guide to the Chemistry & Chemical Engineering Library 2010 – 2011



University of California, Berkeley



Table of Contents

Getting started.....	3
The spectrum of chemical information resources.....	4
Using electronic library resources from home or off-campus.....	5
Get books.....	6
Borrow books from other library systems.....	7
Get journal articles.....	8
Find journal articles on topic X.....	9
Reasons to visit the Chemistry Library.....	10
Technology at the Chemistry Library.....	11
Save money, avoid library fines.....	12
Writing tips.....	12
Glossary.....	14
Index.....	16
Contact us.....	17

Getting started

Get ready to ...

borrow library books and materials

Get your [Cal 1 Card](#).

This is the library card for students, staff, and faculty.

use the library's electronic journals and resources from home/off-campus

1. Set up your [CalNet ID](#) (for students, staff, and faculty only).
2. Afterwards, set up the Proxy Server or VPN ([instructions](#)).

visit the Chemistry and Chemical Engineering Library

Find us at 100 Hildebrand Hall ([map](#) and [hours](#))

Chemistry and Chemical Engineering graduate students and faculty have **after-hours access** to the library. For entry:

- Swipe your Cal 1 Card at the card reader by the front doors.
- In case of **after-hours emergency**, the reading room has a yellow police call-down box.

Explore the ...

Chemistry and Chemical Engineering Library website

- Visit www.lib.berkeley.edu/CHEM
- Discover links to chemical information resources
- Check our blog and read library news and events
- Find instructional classes for library tools

UC Berkeley Library

As the seventh largest library system in the US ([ALA, 2010](#)), there is something for everyone.

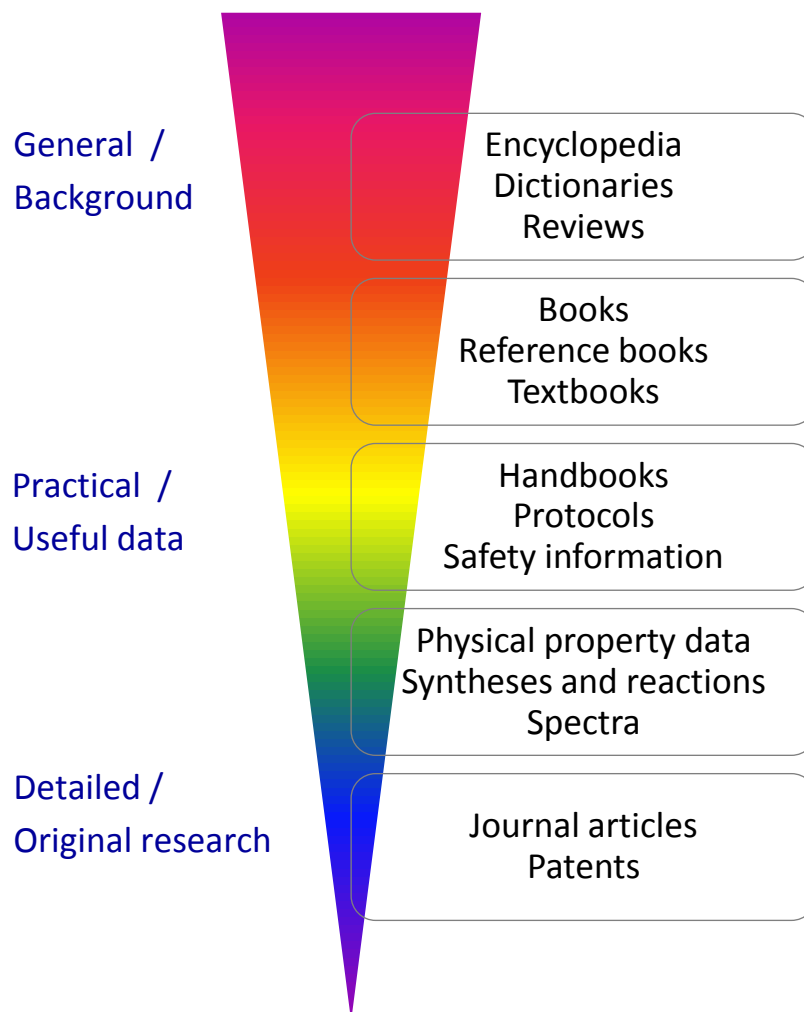
- Visit www.lib.berkeley.edu
- Check out the Science Libraries ucblibrary3.berkeley.edu:8086/sciences
- Explore the [29 libraries](#) on campus

Instructional classes at the Library

Visit:

- www.lib.berkeley.edu/instruct/
- ucblibrary3.berkeley.edu:8086/sciences/upcomingevents

The spectrum of chemical information resources



The following guide gives examples of chemical information sources with recommendations.

<http://units.sla.org/division/dche/il/cheminfolit.pdf>

Using electronic library resources from home or off-campus

To use library resources from home or off-campus, please configure your computer first. Set up **either** one of the following.

Proxy Server

- About*
- You make a one-time change in the settings of your web browser (e.g., Internet Explorer, Firefox, Chrome, Safari, etc.).
 - When you select a link to a library resource, the proxy server will ask you to log in with a CalNet ID.

Getting started For instructions, visit <http://www.lib.berkeley.edu/Help/proxy.html>

Using proxy servers Your web browser will prompt you to log in with your CalNet ID when you use a library resource.

Virtual Private Network (VPN)

About Client software you install on your computer in order to establish a secure "tunnel" to the UC Berkeley network.

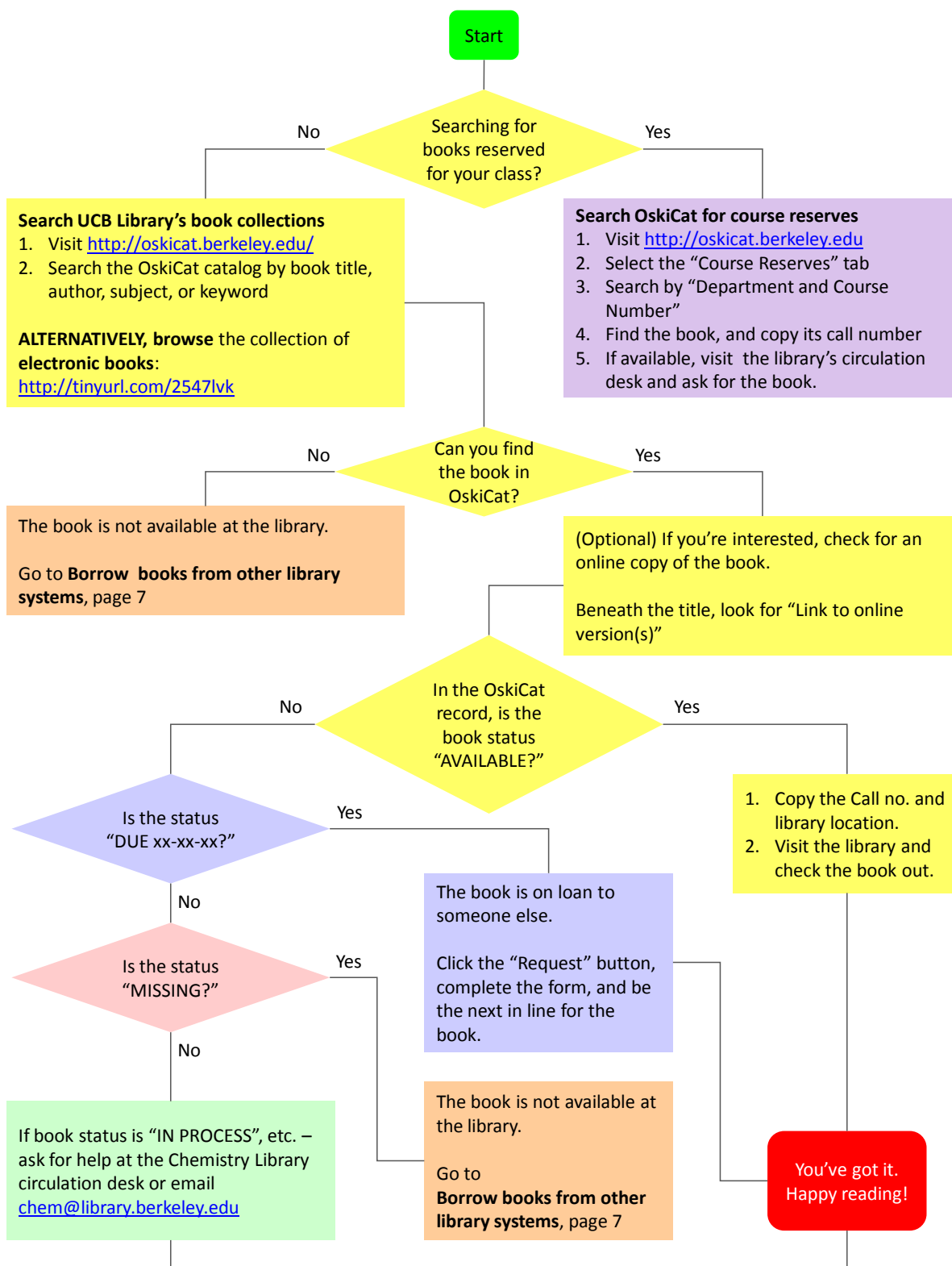
Getting started For instructions, visit <http://www.lib.berkeley.edu/Help/vpn.html>

- Using VPN*
- Before using library resources, start the VPN software and log in with your CalNet ID.
 - After you're done, log off.

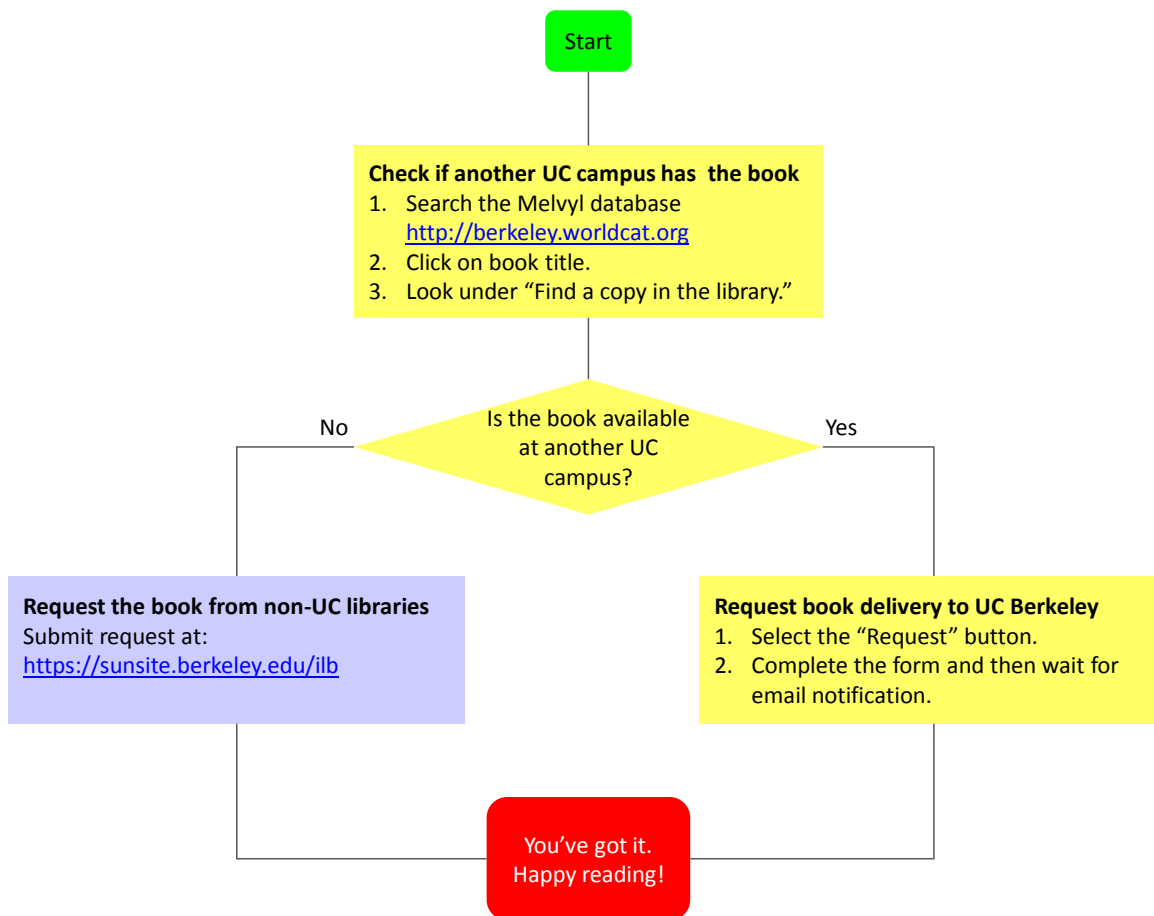
Using the SciFinder Scholar client or CrossFire Beilstein/Gmelin?

➔ Only VPN will connect you to these databases; proxy servers will not work.

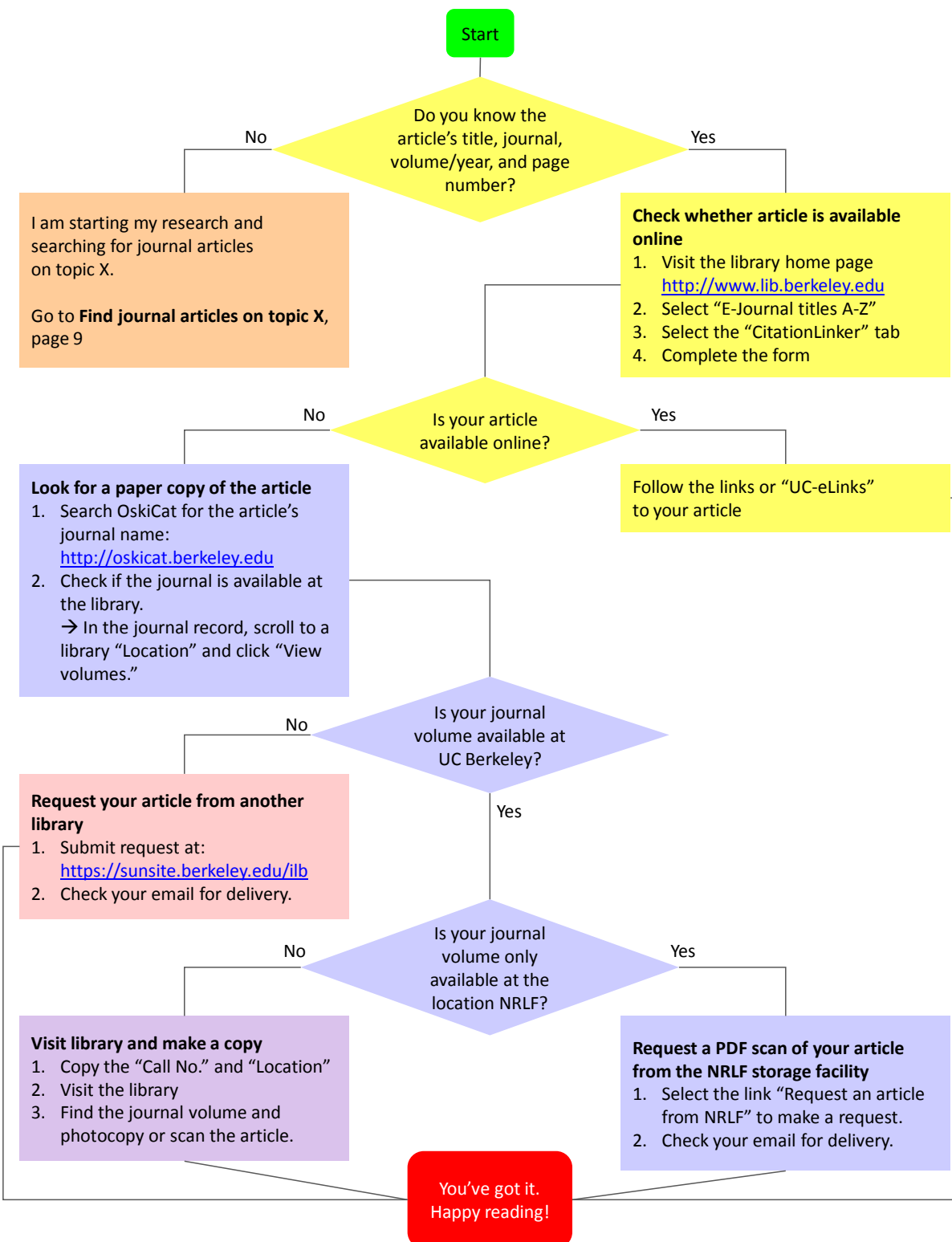
Get books



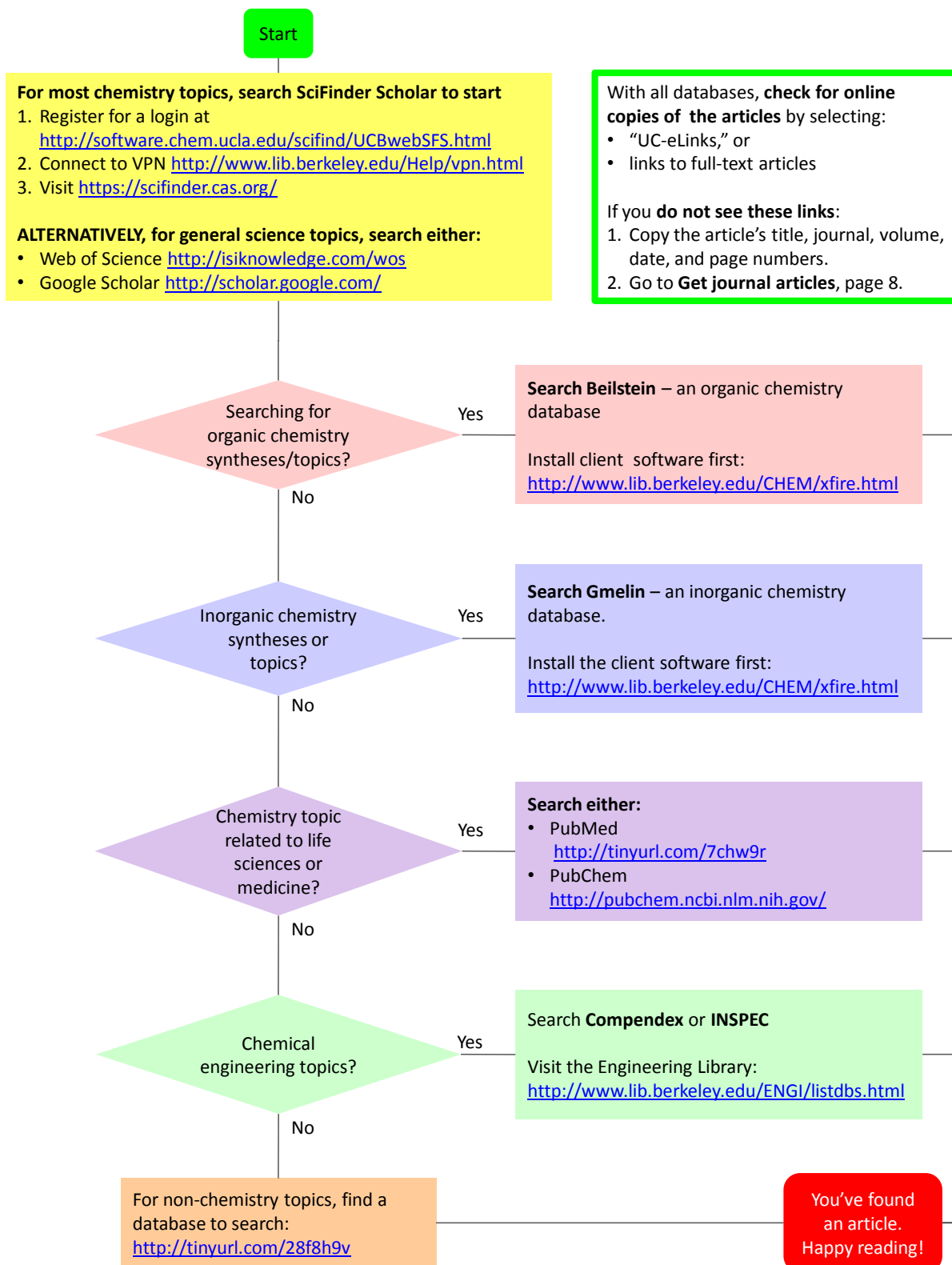
Borrow books from other library systems



Get journal articles

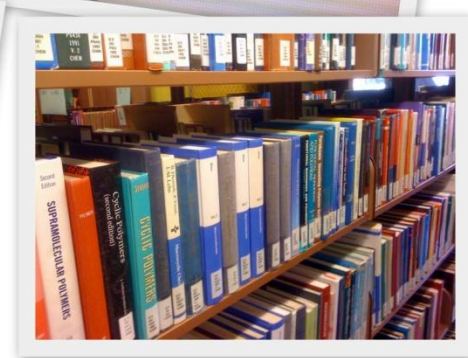
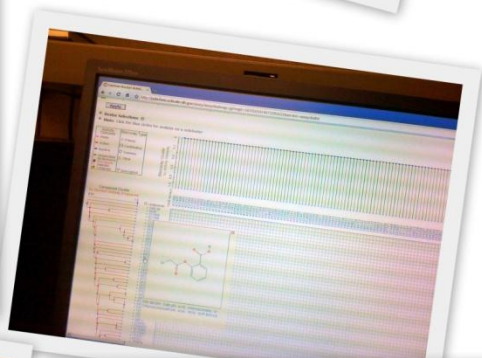
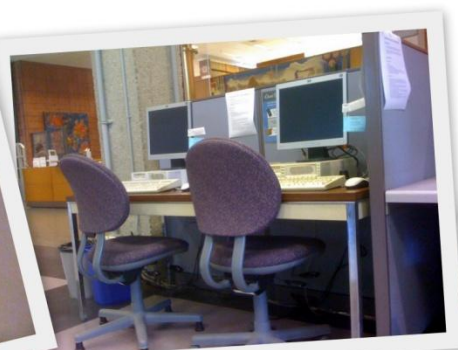


Find journal articles on topic X



Reasons to visit the Chemistry Library

Quiet study
Technology
Information help
Books and journals
Chemical information
Class or meeting rooms



Technology at the Chemistry Library



Wireless Internet access

<http://ist.berkeley.edu/airbears/setup>



Printer

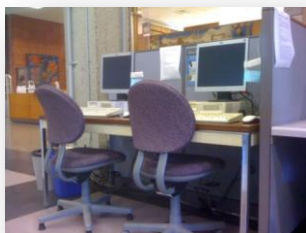
13¢ per page



RefWorks

The web-based bibliographic management service

http://www.lib.berkeley.edu/CHEM/ref_end.html



Computers



Photocopier

10¢ per page

Save money, avoid library fines

Pay attention to email messages about overdue library materials. Renew them at:

My OskiCat – <https://oskicat.berkeley.edu/patroninfo>

If you have large, unpaid fines, you may lose all library privileges and become unable to register for classes. Further details at:

<http://www.lib.berkeley.edu/services/borrowing.html#overdue>

Writing tips

Rules for scientific writing and citing references (for American Chemical Society publications)

ACS style guide, 3rd edition

check [availability](#)

the chapter on citing resources is available [online](#)

A quick guide to citing the ACS style guide, 3rd edition, by Penn State University Libraries

web page – <http://tinyurl.com/4hnl62>

Software for organizing and writing reference citations

RefWorks

free via http://www.lib.berkeley.edu/CHEM/ref_end.html

Zotero

free extension for the Firefox web browser via <http://www.zotero.org/>

EndNote

for purchase at technology stores, <http://www.endnote.com/>

For further details on bibliographic management software

<http://www.lib.berkeley.edu/BIOS/refman.html>

Molecule editor software

ChemDraw software lets you create, modify, and analyze representations of chemical structures. It is licensed by the College of Chemistry for its members. Please download from:

<http://scistore.cambridgesoft.com/sitelicense.cfm?sid=931>

For support with ChemDraw, email support@cchem.berkeley.edu.

On the process of writing

How to write and publish a scientific paper by Robert A. Day
check [availability](#)

Writing guidelines for engineering and science students (includes poster design)
web page – <http://www.writing.eng.vt.edu/>

On improving writing skills

Handouts and links, The Writing Center, University of North Carolina at Chapel Hill
web page – <http://www.unc.edu/depts/wcweb/handouts/>

On style

On writing well: The classic guide to writing nonfiction by William Zinsser
check [availability](#)

Style: Toward clarity and grace by Joseph M. Williams
check [availability](#)

On motivation and good habits for writing

Surviving your dissertation: A comprehensive guide to content and process by Kjell Erik
Rudestam and Rae R. Newton
check [availability](#)

Writing your dissertation in fifteen minutes a day: A guide to starting, revising, and finishing
your doctoral thesis by Joan Bolker
check [availability](#)

For comic relief, literally, while writing

Piled Higher and Deeper: A grad student comic strip
Web page – <http://www.phdcomics.com/comics.php>

Glossary

abstract	The descriptive summary of a journal article or book
catalog	Search library catalogs to find books, journals, and other information resources available at the library. At UC Berkeley Library, our catalog is OskiCat, http://oskicat.berkeley.edu
circulation desk	Where you go in the library to check out a book or ask for information help
citation	A citation provides the details to help you find a journal article, book, or other resource. Book citation example: Gray, T.W. <i>The Elements: A Visual Exploration of Every Known Atom in the Universe</i> ; Black Dog & Leventhal Publishers: New York, 2009. Journal article citation example: Labaree, D.C.; Reynolds, T.Y.; Hochberg, R.B. Estradiol-16 α -carboxylic Acid Esters as Locally Active Estrogens. <i>J. Med Chem.</i> 2001,44, 1802-1814.
database	A searchable collection of data and information
e-books	A book that is electronic so it is searchable and viewable via computer or internet
full-text	The article, the book, or the book chapter in its entirety
indexes	Search indexes to find journal articles or information resources by topic, title, author, date, or other characteristics
journal	Publications that are published regularly (e.g., monthly) and usually contains research articles, editorials, and other scholarly communications. For example, <i>Science</i> , <i>Journal of the American Chemical Society</i> , and <i>Nature</i> .

keyword search	<p>When you search by keyword it searches the database or catalog for a term anywhere in a record.</p> <p>For example, a keyword search on carbon will retrieve information resources where</p> <ul style="list-style-type: none">• the title includes the term “carbon,” or• the author’s name is “J. L. Carbon,” or• the term “carbon” is in the abstract.
librarian	<p>An information professional that can help you find, use, and manage information</p>
OskiCat	<p>The UC Berkeley Library catalog (<i>see</i> catalog)</p>
reference materials	<p>Information resources for library use only and cannot be borrowed</p>
reserves	<p>Library books for short term loan (e.g., 2 hours, 1 day, etc.).</p> <p>To borrow them, visit the library circulation desk and request. Many class textbooks are reserves.</p>

Index

access

after hours, 3

from home/off-campus, 3, 5

bibliographic management, 11

books, 6

borrowing from other library systems, 7

ChemDraw, 12

contact information, 17

definitions, 14

finances, 12

hours, 3

information resources, 4

instruction, 3

Internet access, 11

journal articles, 8

searching for articles on topic X, 9

library cards, 3

location, 3

maps, 3

molecule editor software, 12

photocopiers, 11

printers, 11

staff directory, 17

technology, 11

visiting the library, 10

writing resources, 12

Contact us

For general questions, comments, or suggestions

chem@library.berkeley.edu

510-642-3753

Ask reference questions via

<http://www.lib.berkeley.edu/CHEM/eref.html>

Staff

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