

How to Find Chemistry Literature

Use these 2 web pages as starting points for all resources listed here.

PSE WEB PAGE:

<http://www.lib.ucdavis.edu/dept/pse/>

PSE = Physical Sciences & Engineering Library

CHEMISTRY SUBJECT GUIDE:

<http://www.lib.ucdavis.edu/dept/pse/resources/subjects/chemistry.php>

OUTLINE -- What this class will cover:

PSE = Physical Sciences & Engineering Library

RESOURCE	What To Use It For	How To Get to the Resource
Chemistry Subject Guide	Find databases and other library resources for chemistry	PSE Web Page → Subject Guides → Chemistry (click on "Articles" for a list of article databases, browse descriptions to identify the best database for your needs)
PSE Databases List	Find databases in the physical sciences & engineering	PSE Web Page → Databases (click on "Main Database Page" to see ALL library databases)
SciFinder Scholar	Use to find <u>CHEMISTRY ARTICLES</u>	Chemistry Subject Guide → SciFinder Scholar WEB <OR> PSE Web Page → Databases → SciFinder WEB
Web of Science	Use to find <u>CHEMISTRY ARTICLES</u> Use to do <u>CITED ARTICLE</u> searches	Chemistry Subject Guide → Web of Science <OR> PSE Web Page → Databases → Web of Science
Harvest Catalog	Find <u>BOOKS & JOURNALS</u> at UCD	PSE Web Page → Harvest: UCD Catalog → Harvest: UC Davis Library Catalog
MELVYL Catalog	Find <u>BOOKS & JOURNALS</u> at all UC's	PSE Web Page → Next Generation Melvyl

Chemistry Subject Guide

Library resources for the field of Chemistry

<http://www.lib.ucdavis.edu/dept/pse/resources/subjects/chemistry.php>

Use the Links Below to Find:

[Articles](#) | [Books](#) | [Encyclopedias](#) | [Societies](#) | [Properties: Handbooks & Databases](#) | [Safety Data](#) | [Spectra](#) | [Suppliers of Chemicals](#) | [Electronic Journals A-Z](#) | [Web Sites](#)
[Biographies](#)

[More Subject Guides...](#)

How Do I...

Connect from Off Campus using the [Proxy Server](#) or [Modem Pool](#)? Find [A Book](#) or [An Article](#)? Use [UC-eLinks](#)? Import Citations Into Endnote for [Windows](#) or [Mac](#)?

Librarian Subject Specialist: Cory Craig cjcraig@ucdavis.edu (530) 752-0347

[Recommend a Purchase](#) for the PSE Library

[Request a Library Instruction Class](#)

Need Help? Stop by a Library Reference Desk

Physical Sciences & Engineering Library:

Summer Ref Desk Hours Mon-Fri: 1-5pm

Shields Library:

Summer Ref Desk Hours Mon-Fri: 9-5pm

HOW TO FIND ARTICLES:

Access Article Databases:

[Chemistry Subject Guide](#) or [Databases List](#) → Name of Database

[SCIFINDER SCHOLAR Web](#) Use to find chemistry articles & info on substances & reactions

One-Time Registration: Required Before Use. Register on campus, or log-in to the VPN first if registering off-campus

- Go to the [UC SciFinder website](http://software.chem.ucla.edu/scifind/): <http://software.chem.ucla.edu/scifind/>
Under "New User?" select Davis (UCD).
- Review instructions for creating a username/password. Click the registration link at the end of the page.
You must register with your "ucdavis.edu" email account.
- When you receive your confirmation email (check your spam folder if it's not in your inbox), click the link in the message to complete the registration.

Searching [SCIFINDER SCHOLAR](#):

Articles: Explore REFERENCES → Research Topic
→ Author Name

Substances: Explore SUBSTANCES → Chemical Structure [draw structure]
Substance Identifier [name or CAS#]

Reactions: Explore REACTIONS → Reaction Structure [draw structure]

Refining your searches:

References - from results list: click REFINE tab (on far right).

Then click to limit by: Research Topic, Author Name, Document Type, Publication Year, Language.

Substances - from results list: click REFINE tab (far right) to limit by:

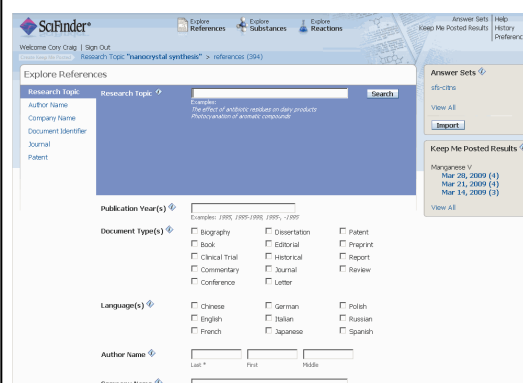
Structure, isotope or metal containing, property value, availability, etc.

Reactions - from results list: click REFINE tab (far right) to limit by:

Reaction structure, yield, # steps, classification, etc.

SUBSTANCE Info: After running substance search, click on "Substance Detail" record to get: CAS Registry Number, properties, spectra.

REMEMBER: All 10 UC campuses access SciFinder thru 30 shared ports.
Log-off when you are finished!!!



[Web of Science](#) Use to find articles in all disciplines, including chemistry & Cited Article Search

TOPIC SEARCH → Enter search phrase → Select "Topic" from drop-down box

AUTHOR SEARCH → Enter search phrase → Select "Author" from drop-down box

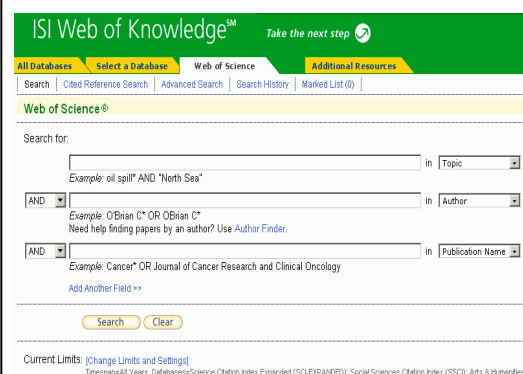
Refining your search: From list of citations: use "Refine Results" links on left side of screen to limit by subject, document type, author, publication year, etc.

Use the "Sort" button on the far right to sort by first author, TIMES CITED, etc.

For a more comprehensive Cited Reference Search:

Select "Cited Reference Search" link at top, then:

- Enter name of author, abbreviated title of journal (in CITED WORK field); and year published (in CITED YEAR field). Click SEARCH.
- Select the article you want to find out who cited. Click FINISH SEARCH



PubMed*Use to find medical articles*

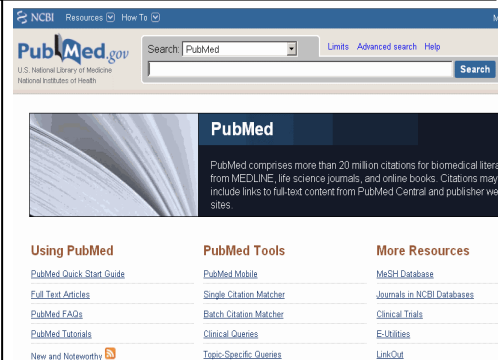
TOPIC SEARCH: Enter search terms

AUTHOR: Use ADVANCED SEARCH link to specify Author field

Links at upper right, use:

LIMITS: to refine your search by: publication date, type of article, species, language, etc.

ADVANCED SEARCH: lets you specify which field to search

**HOW TO****FIND PROPERTIES:**→ See [Chemistry Subject Guide](#)[Chemistry Subject Guide](#)*Use to find chemical & physical properties*→ [Properties: Handbooks & Databases](#)

Start with the BASIC RESOURCES listed on the chemistry subject guide.

Property info can also be found in SciFinder (search for substances) and REAXYS (see below).

REAXYS*Use to find property information***How to Access:** Chemistry Subject Guide or Databases List → REAXYS

Click: SUBSTANCES & PROPERTIES TAB

Search by:**DRAWING YOUR SUBSTANCE:**

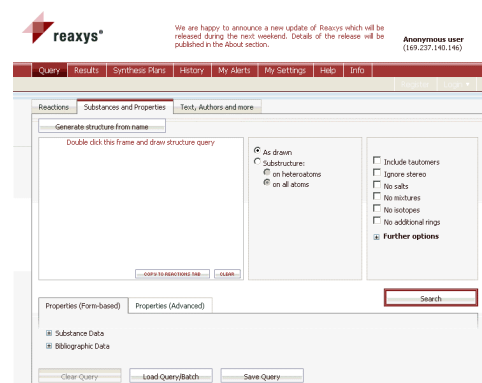
Double-click drawing frame to draw your substance.

Click TRANSFER QUERY to send drawing substance to search screen, then click SEARCH.

PROPERTIES:

Under PROPERTIES (FORM BASED) click on SUBSTANCE DATA.

Click on appropriate data type (physical, spectroscopic, etc) and enter parameters. Click SEARCH.



HOW TO LOCATE PRINT & ELECTRONIC JOURNALS IN THE LIBRARY:

[Harvest Catalog](#) → Use to locate journals and books

PSE Web Page → Harvest UCD Catalog → Harvest: UC Davis Library Catalog

Method 1: From the BASIC SEARCH -- FULL CATALOG:

SEARCH FIELD: Select "Journal/serial title word(s)"

SEARCH FOR: Enter title of journal (NOT title of article!!)

CLICK: Search

Method 2: From the BASIC SEARCH -- FULL CATALOG:

CLICK BROWSE (in upper right part of screen)

SELECT INDEX TO BROWSE: Select "Journal/serial title begins"

TYPE WORD OR PHRASE: Enter EXACT title of journal

CLICK: Search

OFF-CAMPUS ACCESS TO DATABASES / JOURNALS:

*Available for current students,
faculty, and staff only*

To use library resources (databases, journals, etc) from off-campus you need to sign in through the VPN

Go to the Library Home page: <http://www.lib.ucdavis.edu/> or PSE Home Page: <http://www.lib.ucdavis.edu/dept/pse/>

Click on the blue  link (left side)

Sign in using your campus login ID and Kerberos password (same as your UC Davis email)

When the list of links appears, click on:

- [ELECTRONIC DATABASES A-Z](#) to select a database (including SciFinder and Web of Science)
- [ELECTRONIC JOURNALS](#) to select get to online journals (*Some journals are not avail online!!*)
- [UC DAVIS GENERAL LIBRARY](#) to navigate to other resources from the library's web page