



Chemistry Subject Guide

These are **selected sources**. Your reference librarians can assist you in finding other related materials.

For an ADA version of this guide email libinstr@usi.edu.

Reference Books

REFERENCE COLLECTION, 1st Floor

Selected titles:

Perry's chemical engineers' handbook REF TP151. P45 2008

100 most important chemical compounds: A reference guide
REF tP9.M94 2007

The Merck Index (14th ed.)
REF RS51 .M4 2006

The history and use of our earth's chemical elements: A reference guide REF QD466 .K69 2006

Encyclopedia of Life Sciences (online)
<https://login.lib-proxy.usi.edu/login?url=http://www.mrw.interscience.wiley.com/emrw/047001590X>

The ACS style guide: Effective communication of scientific information REF QD8.5 .A25 2006

The literature of chemistry: Recommended titles for undergraduate chemistry library collections
REF Z675.C47 D68 2004

CRC handbook of chemistry and physics (82 ed.)
REF QD65 .H3 2001/2002

The Aldrich library of NMR spectra (2 vols.)
REF QD96 .N8 P86 1983

CRC atlas of spectral data and physical constants for organic compounds
REF QD291 .C18 1973

Chemistry Handbooks

ACS style guide: Effective communication of scientific information
REF QD8.5.A25 2006

Hazardous laboratory chemicals disposal guide
REF QD64 .A76 2003

Hazardous chemicals desk reference
REF T55.3.H3 L49 2002

Handbook of reagents for organic synthesis
REF QD77 .H37 1999

The history and use of our earth's chemical elements
REF QD466 .K69 1998

How to find chemical information: A guide for practicing chemists, educators, and students
REF QD8.5 .M34 1998

Chemistry of the elements
REF QD466 .G74 1997

Chemical technician's ready reference handbook
REF QD 61 .S58 1996

Lange's handbook of chemistry
REF TP .151 H25

Chemistry Encyclopedias and Dictionaries

McGraw-Hill encyclopedia of science & technology
REF Q121 .M3 2002

Encyclopedia of chromatography
REF QD79 C4 .E53 2001

Hawley's Condensed chemical dictionary
REF CD5 .C5 2001

Science and its times: Understanding the social significance of scientific discovery
REF Q175.46 .S35 2000

Dictionary of environmentally important chemicals
REF TD196.C45 A97 1999

Kirk-Othmer concise encyclopedia of chemical technology
REF TP9 .K54 1999

Macmillan encyclopedia of chemistry
REF QD4 .M33 1997

Chemists

A to Z of Chemists
REF QD 21 .O34 2002

Suggested Databases

- American Chemical Society Journals
- Academic Search Premier
- ProQuest Research Library

Recommended Web Sites

Click for Web Sites [recommended by USI faculty and librarians](#)

Selected Web Sites

USI Department of Chemistry (recommended links)
<http://www.usi.edu/science/chemistry/chemresources.asp>

All About Chemical Bonding
<http://www.chem1.com/acad/webtext/chembond/>

American Chemical Society (ACS) Web
<http://www.chemistry.org/>

Chemdex.org <http://www.chemdex.org/>

Chemindustry.com <http://www.neis.com/>

Cheminfo <http://www.indiana.edu/~cheminfo/>

Chemistry (CalTech) (links to links)
<http://library.caltech.edu/collections/chemistry.htm>

Selected Internet Sites: Chemistry
<http://www.loc.gov/rr/scitech/selected-internet/chemistry.html>

Chemspy.com (tutorials)
<http://www.chemspy.com/tutorials.html>

Delights in Chemistry
<http://www.chem.leeds.ac.uk/delights/>

General Chemistry Online
<http://antoine.frostburg.edu/chem/senese/101/index.shtml>

Martindale's The Virtual Chemistry Center
<http://www.martindalecenter.com/GradChemistry.html>

NIST WebBook
<http://webbook.nist.gov/chemistry/>

Organic Chemistry Help
<http://www.chemhelper.com/>

Organic Chemistry Resources Worldwide
<http://www.organicworldwide.net/>

Plastics <http://www.plastics.com>

Protein Data Bank <http://www.rcsb.org/pdb/>

How to access USI Rice Library's
databases (primarily for finding articles)
and other online resources from off-campus

Go to the library's homepage at:
<http://www.usi.edu/library/index.asp>

- Select **Databases**
- Select **Databases A to Z**
- Click on name of database you want to search
- The **Database Login** page will appear
- Enter your **MyUSI username** and **password**
- Click **Login**

Have questions Contact us:

- By phone: 812-464-1907; Toll-Free: 1-800-246-6173
- By email: libref@usi.edu
- Visit the Rice Library reference desk to consult with a reference librarian.

Rice Library, Instructional Services, 12/08

This guide is available online at:
<http://www.usi.edu/library/qsSCIENCE07.asp>