

Library Instruction: Physical Chemistry

Suggested STL Resources for Chemistry

For Encyclopedias, Dictionaries, and Handbooks

- Browse the Chemistry section of the Reference collection [Ref QD1-999].
For Example:
 - *Catalysis from A to Z: a concise encyclopedia* Ref QD505 .C383 2003
 - *The Handbook of Chemistry and Physics* 85th ed. 2004-2005 Ref QD65 .H3
 - *MacMillan Encyclopedia of Chemistry* Ref QD4.M33/1997
 - *The Penguin Dictionary of Chemistry* Ref QD5.M522 2003
 - *The Facts on File Dictionary of Chemistry* Ref QD5 .F33 1999
 - *World of Chemistry* Ref QD33.W873 2000
 - *How to find Chemical Information* Ref QD8.5.M34 1998
- For suggested library reference sources in specific subject areas, consult the **Select an Area to Research** pages, http://lib.newpaltz.edu/research_areas/resindex.html, from the STL homepage and choose the discipline your topic best fits under. Or, browse the reference shelves in the area of the relevant Library of Congress Subject call numbers.
- If you know your subject area, you can also find a list of the STL reference sources for that subject by doing an **advanced search** of the STL Online Catalog, entering your subject in the **Search For** box, changing the **Field To Search** to Subject, and selecting Reference Collection in the **Limit by Collection** choices.

For In-depth information from Chemistry journals

- Search electronic subscription databases for Chemistry literature in particular or Science literature in general. For Example,
 - **Science Direct** — Indexes scientific journals, and/or books published by Elsevier, with full text for many journal titles; search for literature from among a diversity of science fields
 - **ACS Publications** — Indexes journals from the American Chemical Society; search for articles from peer-reviewed ACS publications. Note that current (i.e., post-1995) articles available as full-text in only the following ACS titles:
 - Analytical Chemistry*
 - Chemistry of Materials*
 - Chemical Reviews*
 - Inorganic Chemistry*
 - Journal of the American Chemical Society*
 - Journal of Physical Chemistry A&B*
 - Journal of Organic Chemistry*
 - **SciFinder Scholar** — Software from CAS (Chemical Abstracts Service) installed on some computers in the library and in the chemistry labs; search for journal articles, patents, substance registries and reactions. Note that access is available for only three users at a time over six institutions.

For In-depth information from other sources

- Search other electronic subscription databases for articles on subject-specific topics relevant to your information needs. For example,
 - **Medline** (EBSCO) — database for journals covering all areas of medicine.
 - **Clinical Pharmacology** (EBSCO) — access up-to-date, concise and clinically-relevant drug monographs for all U.S. prescription drugs, hard-to-find herbal and nutritional supplements, over-the-counter products and new and investigational drugs
 - **Lexis-Nexis Academic Universe** — legal, business, medical, and news information sources
- Search the Search **STL Online Catalog** for books in the library on your topic.
- Search **STL Metalibrary**—this information portal allows for searching multiple resources in one interface, including the library's online catalog and many electronic databases.

For Internet sites and web-based search engine

- Browse or search “screened” web sites or directories. For example,
 - **Select an area to Research: Chemistry** (http://lib.newpaltz.edu/research_areas/chemistry.html) for a listing of suggested internet sources relevant to chemistry
 - **Librarians’ Internet Index: Science** at <http://lii.org/pub/topic/scitech>; for browsing web sites suggested by the U.S. Institute of Museum and Library Services under the provisions of the Library Services and Technology Act, administered in California by the State Librarian.
 - **Scirus** at <http://www.scirus.com/srsapp/>; searches over 250 million science-specific Web pages.
- Browse or search web-based information about science from the government (e.g., www.science.gov, you may limit your search to "physical chemistry.")

For help with internet search engines see the STL guide “Internet Search Engines and Directories” at <http://lib.newpaltz.edu/assistance/engines.html>. Be sure to carefully evaluate web sites according to accuracy, authority, currency, coverage, and objectivity. For assistance with evaluating web site information see the STL guide “Evaluating Web Sites” at http://lib.newpaltz.edu/assistance/web_eval.html.

For additional help with finding materials

- **SFX/Serials Solutions** are tools for locating full text of journal articles, when you have just a citation/abstract.
- **ILLiad**: Interlibrary Loan service offers full text of most resources NOT available here at STL online via SFX/Serials Solutions or in the library via the online catalog. Most journal articles can be emailed to you within three-four days.