

LOCATION

All materials listed in this guide can be found in Newman Library. Items marked with an asterisk are also available via the Library homepage. Refer to the charts posted throughout the library for locations of specific call numbers. Those with "Ref" call numbers followed by the abbreviation "Ref Room" are located in the 2nd floor Reference collection. Those with "Ready Ref" call numbers are shelved in the 1st floor Reference area. Older editions of many works may be found in the stacks with the regular collection.

DICTIONARIES AND ENCYCLOPEDIAS

The following provide excellent starting points for research on many aspects of chemistry and related areas.

Dictionary of Chemistry

Call No.: Ref QD5 D4985 2004 Ref Room

Encyclopedia of Chromatography

Call No.: Ref QD79 C4 E63 2005 Ref Room

Encyclopedia of Analytical Chemistry

Call No.: Ref QD71.5 E52 2000 Ref Room

Encyclopedia of Inorganic Chemistry

Call No.: Ref QD148 E53 2005 Ref Room

Encyclopedia of Chemical Processing and Design

Call No.: TP9 E66

Encyclopedia of Separation Science

Call No.: Ref TP156 S45 E525 2000 Ref Room

Encyclopedia of Chemical Technology *

Call No.: Ref TP9 E685 1991 Ref Room

Ullmann's Encyclopedia of Industrial Chemistry *

Call No.: Ref TP9 U57 1985 Ref Room

HANDBOOKS

These handbooks contain a broad range of physical and chemical data.

CRC Handbook of Chemistry and Physics *

Call No.: Ref QD65 H3 Ready Ref

Lange's Handbook of Chemistry *

Call No.: Ref QD 65 L36 Ready Ref

Handbook of Data on Organic Compounds

Call No.: QD257. 7 C73 1994

NIST-JANAF Thermochemical Tables

Call No.: Ref QD 511 N57 1998 Ref Room

Handbook of Polymer Science and Technology

Call No.: Ref QD 388 H36 1989 Ready Ref

Perry's Chemical Engineers' Handbook *

Call No.: Ref TPI5I P45 1997 Ready Ref

International Critical Tables of Numerical Data,

Physics, Chemistry, and Technology *

Call No.: Q199 N32

Polymer Handbook

Call No.: Ref QD 281 P6 B68 1999 Ready Ref

SPECTRA COLLECTIONS

Infrared

Aldrich. Call No.: Ref QD96 I5 P66 1985 Ref Room

Sadtler. Call No.: QC453 S3

Nuclear Magnetic Resonance.

Aldrich. Call No.: Ref QD96 F68 P67 1993 Ref Room

Sadtler. Call No.: QC453 S3

Ultraviolet

Sadtler. Call No.: QC459 S362

OTHER REFERENCE SOURCES

ACS Directory of Graduate Research

Call No.: Ref QD 23 D57 Ref Room

ACS Style Guide

Call No.: Ref QD8.5 A25 2006 Ready Ref

American Chemists and Chemical Engineers

Call No.: QD21 A43

Chem Sources U.S.A.

Call No.: Ref TP12 C44 Ready Ref

Dictionary of Chemical Names and Synonyms

Call No.: TP9 H65 1992

How to Find Chemical Information *

Call No.: Ref QD8.5 M34 1998 Ref Room

Nobel Laureates in Chemistry. 1901-1992

Call No.: QD21 N63 1993

Women in Chemistry and Physics

Call No.: Ref QD21 W62 1993 Ref Room

INDEXES AND ABSTRACTS

Use the following sources to find journal articles, conference papers, research reports, dissertations and patents.

Chemical Abstracts - Comprehensive coverage of chemistry and related fields, including journal articles, technical reports, conferences, and patents in all languages. It is indexed by author, chemical substance, formula, general subject, and patent number. Use the Index Guide as a help when using the chemical substance index and the general subject index. Use CASSI (Chemical Abstracts Service Source Index) to find the full reference for abbreviations of conferences and journals. Call No.: QD1 A51; Also available as *SciFinder* via the Library homepage.

Science Citation Index - Allows you to start with a known citation and find out who has cited it since the initial publication. Call No.: Ref Q1 S368 Ref Room; Also available as *Web of Science* via the Library homepage.

SELECTED SUBJECT HEADINGS

To do a subject search on the Library catalog, *Addison*, first consult the Library of Congress Subject Headings guide to find appropriate subject terms for your topic. Examples of useful subject headings include:

CHEMICAL ELEMENTS (QD 466-467)
CHEMISTRY, ANALYTIC (QD71-142)
CHEMISTRY, INORGANIC (QD146-197)
CHEMISTRY, METALLURGIC (QD133)
CHEMISTRY, ORGANIC (QD241-441)
CHEMISTRY, PHYSICAL AND THEORETICAL (QD450-731)
CHEMICAL REACTIONS (QD501-505)
CLINICAL CHEMISTRY (RB40)
CRYSTALLOGRAPHY (QD 901-999)
NUCLEAR CHEMISTRY (QD601-608)
PHARMACEUTICAL CHEMISTRY (RS400-431)
SPECTRUM ANALYSIS (QC450-467; QD95-96)

For web-based reference resources also see the Library subject page for Chemistry at

<http://www.lib.vt.edu/dsp/index.php?subject=52>