

IMSA Information Resource Center

# Chemistry

A Research Guide to get you started

## Finding Chemistry materials

BROWSING: How Chemistry Dewey numbers work:

540	Philosophy, theory, history	545	Quantitative analysis
541	Physical & theoretical	546	Inorganic chemistry
542	Techniques, equipment	547	Organic chemistry
543	Analytical chemistry	548	Crystallography
544	Qualitative analysis	549	Mineralogy

Chemistry applied to a topic may be numbered with that subject number.

For example, most industrial chemical engineering books are classed with

660 Chemical Engineering

ILLINET ONLINE: How Chemistry Subject headings work:

Chemistry in an Any Word Anywhere search gives hundreds of titles

Chemistry in a Browse Subject search organizes the titles by subject

Or use specific headings:

Chemistry Study and Teaching    Chemistry history    Molecules    Thermodynamics  
Chemists Biography    Spectroscopy    Minerals    Chemical elements &.

## Some Reference background

R 540 YOUN WORL 2000    World of Chemistry  
R 540.3 LAGO CHEM 2004    Chemistry: foundations and applications, 4 volumes  
R 540.3 SHAR PENG 2003    Penguin Dictionary of Chemistry  
R 546 GREE CHEM 1997    Chemistry of the elements

## Some circulating books

540 HALL NEW 2000    The New Chemistry / edited by Nina Hall  
540 HOFF SAME 2000    The Same and not the Same / Roald Hoffmann  
813.6 DJER OXYG 2001    Oxygen: a play in two acts/ Carl Djerassi &Roald Hoffmann  
540.9 GREE ART 2003    Art of Chemistry: medicines, myths and materials /  
Arthur Greenberg  
541.309 COBB MAGI2002    Magick, Mayhem, and Mavericks: the spirited history  
of physical chemistry / Cathy Cobb  
540 LECO NAPO 2003    Napoleon's Buttons: how 17 molecules changed  
history / Penny Lecouteur  
540 MUNO PRIN 2000    Principles of Chemistry / Michael Munowitz  
540 BALL INGR 2002    Ingredients: a guided tour of the elements /Philip Ball  
540.76 GOLD HOW 2001    How to solve Word Problems in Chemistry /Goldberg  
572 CAMP BLOC 2005    Biochemistry, 5<sup>th</sup> edition / Campbell

*Some biographies*

- 540.922 HARG CONV 2000 Candid Science: conversations with famous chemists / Istvan Hargittai  
540.92 CURI PFLA 1989 Grand Obsession: Marie Curie and her world /R. Pflaum  
540.92 DJER PILL 1992 The Pill, Pygmy Chimps and Degas' Horse / Djerassi  
540.92 PAUL HAGE 1995 Force of Nature: the life of Linus Pauling / T. Hager

*Some fun reads*

- 540 COBB JOY 2005 Joy of Chemistry / Cathy Cobb & Monty Fetterolf  
540 SCHW GENI 2001 The Genie in the Bottle ...the fascinating chemistry of everyday life / Joe Schwarcz  
540.22 GONI CART 2005 Cartoon Guide to Chemistry / Gonick

*Video*

- V 540 HOFF WORL 1990 World of Chemistry / Roald Hoffmann

*IRC Online databases, through the IRC homepage*  
<http://staff.imsa.edu/irc/reference/subscriptions.html>

[ACS WEB](#) has American Chemical Society journals, full text.

EBSCOhost, Electric Library, InfoTrac, and Science Direct include chemistry journals

*Marti Guarin & Paula Garrett 8/2005*