Abstract:
There are a wide variety of approaches that librarians and information specialists can use to develop new interactions with users to meet their information needs. This poster session will review some of the tools available to subject specialists in a research institute setting. Some uncommonly used approaches will be described, including:

Reviewing research publications for database corrections.

Attending classes - developing web pages for student assignments.

Reaching out to users with e-mail/blog newsletters.

Offering classes on databases and focused subjects.

Reviewing research publications in Web of Science for corrections.

Oxygen-mediated regulation …
… **We YW … **Wold A
J. CELL. PHYSIOL. 2001

Authors should read Wei YW & Wold B
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Development and application …
Toste FD … **
ABSTRACTS OF PAPERS …
223: 160-ORGN Part 2 APR 7 2002

2nd author's name omitted. Please add: Trost BM
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Spectroscopic confirmation of a population …
ASTROPHYS J 462 (1): L17-& Part 2 MAY 1 1996

Cited 350 times in NASA ADS database, but only 146 times in WoS. **Additional 248 cites as ApJ.
TOTAL SYNTHESIS OF (+)-K252A ...  
WOO** JL, STOLTZ BM, DIETRICH HJ  
J AMERICAN CHEMICAL SOCIETY  
117: (41) 10413-10414 OCT 18 1995  

First author's last name is: WOOD  

QM(DPT)** and MD studies ...  
Hua X** ..., Che J**  
NANOTECHNOLOGY  
11: (2) 85-88 JUN 2000  

The title should read QM(DFT)  

Author names should read: HUA XL CHE JW  
(Xinlei Hua Jianwei Che)  

Spinophilin ... Ca2** dependent protein  

Ca2 and the interesting Arabic and Chinese(?)  
characters should read: Ca2+/calmodulin-  

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500,000 vehicle emissions readings …
Stedman DH, Bishop GA, Agee LD, Williams MJ
ABSTRACTS OF PAPERS …
225: 88 Part 1 MAR 2003

All the address' following the first were taken from the next abstract (#89).

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Amido … (CuCu1)-Cu-1** … (CuCu1.5)-Cu-1.5 **
Harkins SB, Peters JC
J AMERICAN CHEMICAL SOCIETY
126 (9): 2885-2893 MAR 10 2004

(CuCu1)-Cu-1 should read: Cu(1)Cu(1)
(CuCu1.5)-Cu-1.5 should read: Cu(1.5)Cu(1.5)
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Sampling methods used for the collection …
… Bae MS, Quinn P, Bate T**, Eatough DJ …
ATMOSPHERIC ENVIRONMENT
37 (11): 1435-1449 APR 2003

Author error: Bate T should read: Bates T
Attending classes …Web Page
Ch242 Chemical Synthesis
http://library.caltech.edu/collections/chemistry.htm#CH242A

Beilstein Gmelin Journal Abbreviations

Databases-Synthetic Techniques, Natural Products

Journal Article References for Ch242 (2004)

Journal Article References for Ch242 (2005) **

Aldol Reaction (journal references)

Journal Links

pKa Values (H2O, DMSO)

pKa Values (DMSO)

Structure Searching (Beilstein/CCD/SFS) ****

Tips For Reading Chemical Literature
References for 11/29/04 - 12/03/04

1a. Total synthesis of (+-)-methyl homosecodaphniphyllate. A remarkable new tetracyclization reaction
Roger B. Ruggeri, Marvin M. Hansen, Clayton H. Heathcock;
J. Am. Chem. Soc.; 1988; 110(26); 8734-8736

1b. The Enchanting Alkaloids of Yuzuriha.
Heathcock, Clayton H.;
MIL-8 Ch 242 Reserve (photocopy)

Yujiro Hayashi
in: Cycloaddition reactions in organic synthesis /
edited by Shu Kobayashi and Karl Anker Jorgensen.
MIL-8 Ch 242 Reserve (reserve book)

RESERPINE

1a. Total synthesis of reserpine.
Woodward, R. B.; Bader, F. E.; Bickel, H.; Frey, A. J.;
Kierstead, R. W.
MIL-8 Reserve Ch242 (photocopy)
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Custom New Book Lists

If you would like to borrow any of these books or obtain a photocopy of the contents of any of the special issues, please *** the items of interest and return to Dana Roth (dzrlib@library.caltech.edu).

Robinson, James W.
Undergraduate instrumental analysis.
Marcel Dekker, c2005.

Sierra, Miguel A.
Dead ends and detours :

Polymer synthesis.
Advances in polymer science ; 171.
QD281.P6 F6 no.171.

Modern aldol reactions.
Analytical biotechnology.
Current opinion in biotechnology ; v. 16, no. 1. JOURNAL ISSUE.

Applied proteomics collection.
Nature reviews. Drug discovery ; March 2005, suppl. JOURNAL ISSUE.

Configurational energy landscapes … clusters, fluids and biomolecules : papers of a discussion meeting, 2005.
Phil. trans. Mathematical … ; v. 363, no. 1827. JOURNAL ISSUE.

Proteomics and genomics.
Current opinion in chemical biology ; v. 9, no. 1. JOURNAL ISSUE.

f-element spectroscopy and coordination chemistry.
Journal of solid state chemistry ; v. 178, no. 2. JOURNAL ISSUE.
CHEM LIBRARY NEWSLETTER

January-February 2006

CONTENTS:

1. New electronic journals & book series volumes
   (http://library.caltech.edu - Browse Journal Titles)

2. Annual Reports on the Progress of Chemistry
   Contents and links to full text for v.101, 2005

3. SciFinder Scholar update (CAplus file and
   Block Polymer Nomenclature)


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1a. New electronic journals

ACS Chemical Biology | Full Text from 2006 v. 1.
http://pubs.acs.org/journals/acbcct/

http://www3.interscience.wiley.com/cgi-bin/jhome/110485305
Database / Subject Classes

Chemical Compound Data Searching

In addition to SciFinder Scholar/Chemical Abstracts and Beilstein/Gmelin Crossfire, Caltech researchers have access to a wide variety of specialized chemical compound databases.

Chemical Structure Searching

Searching with chemical structures (both drawn and with templates) for property data and chemical reactions in Beilstein, Gmelin, SciFinder Scholar, and the Combined Chemical Dictionary.
Crystallographic Databases

Illustrative examples of searching for online crystal structure data, including: Cambridge Structural Database (CSD), (ICSD), (PDF)…

Electronic Theses and Dissertations

Are you working on your thesis? Did you know that both paper and electronic copies of theses must be submitted? …

Life Sciences Information Resources

Covers various bibliographic databases to consider for interdisciplinary information retrieval related to life sciences …
Patents

Scott Carter (Office of Technology Transfer) will present a review of the patenting process, followed by a quick review of patent searching …

Physical Property Data Searching

Illustrative examples of searching for physical property data in both print and online resources …

SciFinder Scholar …not just for chemists

In addition to chemistry and chemical engineering, it's coverage extends to the chemical aspects of astronomy, biology, education, engineering, economics, geology, history, mathematics, medicine, and physics.
CLASS / DATABASE
HANDOUTS

http://library.caltech.edu/learning/coursematerials0904.htm

Chemfinder.com (.pdf)

Chemical Compound Data Searching

Chemistry Information Resources at Caltech (.pdf)

Combined Chemical Dictionary (.pdf)

Copyright for Researchers in Academia

Crystallography Class (.pdf)

DIPPR (Design Inst. for Phys. Prop. Data) (.pdf)

Endnote Glossary (.pdf)

Endnote Tutorial
Internet Web of Science (.pdf)

General CLS Information (.pdf)

J. Physical and Chemical Reference Data (.pdf)

Major Online Databases (.pdf)

Patent Searching Fall 2002 (.pdf)

Physical Property Data Searching (.pdf)

SciFinder Scholar 2006 (.pdf)

Structure Searching Quick Review (.pdf)

Translations Resources in the Caltech Libraries
# Journal Cost/Pagination Comparison (2000-2005)

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