

9. Outside of the Box: Non-traditional Interactions

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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.

Journal Cost/Pagination Comparison (2000-2005).

Reviewing research publications in Web of Science for corrections.

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

Authors should read Wei YW & Wold B

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

Steidel CC, Giavalisco M, Pettini M, et al.
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 ... Ca₂سحي 蝮阱dependent protein**

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

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).

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)

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

** Journal Article References ...

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.;

Angew. Chem., Int. Ed. Engl., 1992, 31(6), 665-681.

MIL-8 Ch 242 Reserve (photocopy)

2. Catalytic Asymmetric Diels-Alder Reactions.

Yujiro Hayashi

in: Cycloaddition reactions in organic synthesis /

edited by Shu Kobayashi and Karl Anker Jorgensen.

Wiley-VCH, 2002. Pages 1-55.

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.

Tetrahedron (1958), 2 1-57.

MIL-8 Reserve Ch242 (photocopy)

****CHEMICAL STRUCTURE SEARCHING QUICK REVIEW -- 2006

Beilstein/Gmelin	2-14
MDL CrossFire V6	2
Getting Started	3
Drawing Chemical Structures	4-5
Templates	6
Pre-defined Generic / User defined Groups & Atom Lists	7
Searching & Displaying ...	8-9
Reaction Searching & Search Tips	9
Custom Displays & Printing	10
Autonom & Data (name/property) Searching	11
Beilstein Notes	12
Gmelin Notes	13
Beilstein & Gmelin's Relationship to SciFinder Scholar	13
Crossfire Documentation	14
Combined Chemical Dictionary	15-17
Dictionary of Organic Chemistry	
Dictionary of Inorganic and Organometallic Chemistry	
Dictionary of Natural Products	
Dictionary of Analytical Reagents	
Dictionary of Drugs	
Text Searching	16
Structure Searching	17
SciFinder Scholar (Chemical Abstracts)	18-21
Databases	18-19
Search Tips	19-20
SFS Solutions (Web based help files)	21
Beilstein/Gmelin vs CCD vs SciFinder Scholar	22

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.

QD79.I5 R6 2005.

Sierra, Miguel A.

Dead ends and detours :

Wiley-VCH, c2004.

QD262 .S485 2004.

Polymer synthesis.

Springer, c2004.

Advances in polymer science ; 171.

QD281.P6 F6 no.171.

Modern aldol reactions.

Wiley-VCH, c2004.

QD305.A6 .M64 2004.

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)
4. Price and pagination comparisons (2000-2004)

1a. New electronic journals

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

ChemMedChem | Full Text from 2006 volume 1.
<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)

	2000	2005	change	net
SYNLETT pages	\$ 748 1860	\$1456 3172	95% 71%	24%
ORG. LETT. pages	\$2645 4269	\$3865 5925	46% 39%	7%
TET. LETT. Pages	\$11074 10361	\$14494 9060	31% -13%	44%
J. PHYS. CH. Pages	\$3113 24430	\$4551 36594	46% 50%	-4%
CHEM. PHYS. Pages	\$5530 4909	\$7574 3987	37% -19%	56%