

# RSC Virtual Library

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RSC Library and Information Centre (LIC)

020 7 440 3373

[www.rsc.org/library](http://www.rsc.org/library)

email: [library@rsc.org](mailto:library@rsc.org)

Office hours 9.30-5.30

# RSC Virtual Library

- Importance to members
  - Content
  - Access
  - The resources
- 
- Brief summary of other services

# Why use the Virtual Library?

- Reliable information
  - Free of charge to members
  - Unlimited 24/7 global access
  - Tools for quick optimised retrieval
  - Extensive chemical sciences coverage
- 
- Assistance from:
    - Library and Information Centre staff
    - Help Pages

# Virtual Library Resources

- NetLibrary
  - 100 latest full-text chemistry books
- Knovel
  - Hundreds of full-text chemistry and science books
- Referex Chem – Elsevier
  - 100 chemistry and chemical engineering books
- Engineering Village
  - Abstracts databases: CBNB, Chimica
- Springer
  - The full text of 127 e-journals and 500 e-books from 2005 onwards
- EBSCO
  - Business and environmental science abstracts

# Accessing the Virtual Library

1. RSC Library home page:  
<http://www.rsc.org/library>
2. Link: RSC Virtual Library
3. Click on the resource
4. Enter username & password; preset to your RSC membership number and date of birth (YYYYMMDD) respectively
5. 'Search' button
6. Or bookmark [www.rsc.org/virtuallibrary](http://www.rsc.org/virtuallibrary) and follow steps 3-5

# Knovel Features

- Hundreds of full-text e-books
  - databooks, encyclopaedia, text books, dictionaries
- Wide subject coverage
  - polymers, environment, toxicology, food, metals
- Advanced searching for indexed chemical properties
- Data mining features – tables, graph plotters etc.
- Multiple export options – automatic citation

*Please note that members ONLY have access to the resources in My Subscription*

# Word Searching

- Phrase searching e.g. “global warming”
- Adjacent word searching
- Keywords linkable with Boolean operators
- Limited synonyms (chemical names, US/UK spellings)
- Truncation available (e.g. pollut\*)
- Restriction of search to bibliographic parts (e.g. title, table of contents)
- Searchable by molecular formula/CAS No

# Advanced Searching

- Numerical property searching
  - Data search
  - Indexed terms; 'Categories' & 'Field Names'
  - Numeric property search construction
- Knovel Tables
  - Spreadsheet options
    - Find, sort, unit converter, filter, etc.

# Equation Plotter

- Example; 'vapour pressure of phenol'
  - Advanced search construction
  - Equation plotter
  - Data and graph export

# Engineering Village

- Search platform for Elsevier bibliographic abstracts databases
- Chimica:
  - applied chemistry and chemical engineering
- Chemical Business NewsBase
  - worldwide chemistry business news
- Data ranking feature to help identify
  - prominent authors
  - top companies
  - key research institutions
  - global activity

# NetLibrary

- 100 popular chemical science e-books
- User friendly search interface
- Titles include:
  - Chemical Concepts in Pollutant Behavior
  - Environmental Organic Chemistry
  - Organic and Inorganic Nanostructures
- Thousands of literary classics e.g. Moby Dick, Wuthering Heights

# Referex Chem

- 203 specialised Chemical, Petrochemical and Process Engineering e-books
- User friendly search interface
- Titles include:
  - Bretherick's Handbook of Reactive Chemical Hazards
  - Fischer-Tropsch Synthesis, Catalyst and Catalysis
  - Functional Dyes
  - Reaction Engineering for Pollution Prevention

# SpringerLink

- 500 full-text e-books
  - Chemoinformatics
  - Creative Chemical Sensor Systems
  - Smart Colloidal Materials
- 127 full text e-journals in Chemistry and Materials
  - Doklady Chemistry
  - Journal of Polymers and the Environment
  - Catalysis Letters

# EBSCO

Searchable abstracts databases with export functions, alert facilities and full text

- Environment Complete
  - Global coverage of environmental issues
  - Thesaurus for consistent retrieval
- Business Source Corporate
  - Full text Datamonitor company and industry profiles
  - Country reports, SWOT analyses

# More remote full-text resources

Royal Society of Chemistry

<http://www.rsc.org/Publishing/Journals>

Send requests to [library@rsc.org](mailto:library@rsc.org) to receive FREE:

- journal articles from Elsevier
- ScienceDirect password for access to :
  - selected 11 current journals
  - archived back file of 108 journals
  - 304 e-books

LIC - members' chemical sciences  
information support service

library@rsc.org

# RSC Library Services

- Chemical Enquiries Help Desk
  - Free of charge, confidential information service
  - 48 hour response
  - Supported by premium chemical information resources
- Online search service
  - Expertise in prior art structure searches using e.g. Chemical Abstracts and Marpat
- Historical chemical information
  - Archive of >3,500 historical books 8,000 images (2,000 digitised on web)

# RSC Library Resources

- Frequently used resources
  - 30 years of Chemical Abstracts
  - RSC journals archive (1841-1996)
  - EMBASE
  - Web of Science (1993-present)
  - Scopus (1960-present)
  - Virtual Library
- Historical chemical information
  - Archive of >3,500 historical books 8,000 images (2,000 digitised on web)

# Chemical Enquiry Helpdesk: typical topics

- Preparations/syntheses
- Process chemistry/engineering
- Analytical chemistry and techniques
- Chemical data
- Chemical structures
- Sources of chemicals - worldwide
- Company and financial data
- Marketing information and trends

# Specialised Resources

- Analysis
  - Analytical Abstracts
- Life Sciences
  - Embase
  - Medline
- Chemical Industry
  - (RAPRA)
  - Colour Index online



Library and Information Centre

Other RSC site areas...

GO

Site Search

GO

Home Library Services Free Chemical Information

In this section

- How we can help you
- Find an Expert
- Chemistry Search Service
- Online Searches
- Historical, Famous Chemists and Genealogical Enquiries
- Image Reproduction Service
- Free Chemical Information on the Web
- M25 Consortium
- Virtual Library Workshop
- Send us an Enquiry

Tools

- Email this to a friend

Free Chemical Information on the Web

A list of reputable free of charge chemical information resources available on the web, compiled by the Chemical Information Specialists of the RSC's Library and Information Centre.

Major Chemical Information Resources Links

General chemistry sites.

Information on Chemicals, Chemical Data and Structures

Resources for finding basic information and chemical structures.

Trade Association Links

Useful resources covering trade associations.

Regulatory Information Links

Resources of regulations, guidance and policy for chemicals.

Health, Safety and Environmental Links

Dealing with hazardous chemicals, pollution and environmental links.

Chemical Supplier and Catalogue Links

Useful resources covering chemical companies, products and catalogues.

Biochemical and Medical Links

Links to free biochemical and medical resources.

Historical Chemistry - Biographies and Obituaries Links

The RSC Historical Group is a very active subject group of the RSC. Their page contains many useful links including Biographies of Chemists.

Historical Chemistry - Full Text and Miscellaneous Links

Research papers and online books on historical chemistry.

Historical Chemistry - Libraries, Archives and Museums

Information on archives held at UK universities and colleges, scientific museums and Nobel prize winners.

Open Access Portals

Links to portals that specialise in Open Access chemistry collections and journals.

Food Science Links

Free resources in food science.

Reaction and Synthesis Links

Useful resources covering reactions and syntheses.

Analytical Chemistry Links

Analytical chemistry web resources.

Patent Links

Patent information on the web.

Chemical Engineering Links

Resources for Chemical Engineers.

Contact and Further Information

Library & Information Centre


Royal Society of Chemistry, Burlington House, Piccadilly, London W1J 0BA  
Tel: +44 (0) 20 7440 3373  
Fax: +44 (0) 20 7437 8883

Dalton Discussion12:  
**Catalytic C-H  
and C-X Bond  
Activation**  
13 - 15 September 2010  
Durham University, UK

RSC Blog

for opinions and  
comment on  
science today

RSC Interest Group



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Advances in chemistry  
shaping today's  
drug discovery and  
development pipeline

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# RSC Virtual Library

FREE 24/7 globally accessible resources extensively covering the chemical sciences

- e-books - NetLibrary, Referex, Knovel and Springer
  - Quick quantitative/qualitative data
- e-journals and abstracts databases
  - Engineering Village
  - EBSCO
  - Springer