

Using the Library Data Base Search Engines

ME 4005/6005

Go to www.lib.utah.edu and select Article Databases and more

J. Willard Marriott Library - University of Utah - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.lib.utah.edu/>

J. WILLARD MARRIOTT LIBRARY

RESEARCH TOOLS

- Library Catalog—What We Own
- Article Databases & More**
- Course Reserves
- Electronic Journals
- Digital Collections
- Other Libraries
- Utah's Catalog

HELP WITH RESEARCH

- Research Guides
- Ask Us—Get Help
- Reference Desks
- How-to Guides
- Research Consultations
- Off-Campus Access

SERVICES

- Classes / Tours
- Borrowing Materials
- Faculty Info | Student Info
- Computer / E-mail Support
- [Services A-Z](#)

ABOUT THE LIBRARY

- Hours
- Departments (Spec Coll, TACC, etc)
- Getting Here
- Locations & Maps
- Staff Directory
- Employment / Jobs
- Donating
- Policies of the Library

NEWS / EVENTS / FEATURED

- Arts in the Library**
- New journals for 2004
- employment opportunities available
- new Middle East Library site!
- Introducing Faculty Document Delivery
- Introducing Scholars Portal (requires uNID login)
- New Books List
- Utah Digital Newspapers
- Live Chat
- more news and featured links

Site Search | Site Index | Ask Us | Suggest a Purchase | Feedback

Spencer S. Eccles Health Sciences Library
S.J. Quinney Law Library

J. Willard Marriott Library, University of Utah
295 S 1500 E, Salt Lake City, UT 84112-0860
Telephone: 801-581-8558, Fax: 801-585-3464
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<http://www.lib.utah.edu/services/az.html>

Internet

Select engineering

Marriott Library Databases - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.lib.utah.edu/dbaccess/alpha/>

J. WILLARD MARRIOTT LIBRARY

Article Databases & More

Reference Books Article Indexes Databases

Marriott Library > Databases & Indexes

FIND A DATABASE

...by name

A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z

...by subject

Arts & Humanities ...

Science & Technology ...

Science & Technology ...

Biology

Chemistry

Computer Science

Engineering

Exercise & Sport Sci

Foods & Nutrition

Geology

Mathematics

Medicine

Meteorology

Make a selection

For further assistance, consult a [subject research guide](#).

Welcome to the Marriott Library Article Databases and Indexes page. To your left, you can find a database by name by clicking on the first letter, or you can browse databases by subject using the dropdown menus.

NEW!

Try the [Scholars Portal](#) to search multiple databases simultaneously.

Use [RefWorks](#) software to track and manage your citations.

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Internet

Select Compendex

The screenshot shows a Microsoft Internet Explorer browser window displaying the J. Willard Marriott Library website. The address bar shows the URL: <http://www.lib.utah.edu/dbaccess/subject/engineering.html>. The page title is "Engineering - Marriott Library Databases - Microsoft Internet Explorer". The main heading is "Article Databases & More" with sub-headings "Reference Books", "Article Indexes", and "Databases". The page is titled "Engineering" and includes a link to a "subject research guide". Under the "Key Databases" section, "Compendex (EI)" is highlighted with a pink circle and a pink arrow pointing to it. Other databases listed include "Mechanical Engineering Abstracts", "Inspec (EI)", and "Knovel Online Interactive Books and Databases". The left sidebar contains a "FIND A DATABASE" section with options to search by name (A-Z) or by subject (Arts & Humanities, Science & Technology, Social Sciences, Area Studies).

Engineering

For further assistance, consult a [subject research guide](#).

Key Databases

Compendex (EI)
Interdisciplinary engineering database of over 9 million records referencing 5,000 engineering journals and conference materials dating from 1884. The database is updated weekly.

Mechanical Engineering Abstracts
Indexes the world's literature on mechanical engineering, engineering management and production engineering. Citations from thousands of trade magazines, professional journals and conferences.

Inspec (EI)
Scientific and technical journals and conference proceedings in physics, electrical engineering and electronics, computing and control, and information science. Coverage: 1969-present. Updated weekly.

Knovel Online Interactive Books and Databases
Provides access to 461 full text titles in science and engineering areas ranging from adhesives to semiconductors and from several dozen publishers.

FIND A DATABASE

...by name

A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z

...by subject

Arts & Humanities ...
Science & Technology ...
Social Sciences ...
Area Studies ...
... or by type ...

[Marriott/Quinney Library Catalog](#)

Type in a search term like DNA filter

The screenshot shows the Compendex Quick Search interface in Microsoft Internet Explorer. The browser's address bar displays the URL: http://www.engineering-village2.org/controller/servlet/Controller?EISESSION=1_12368df68bc1da0M39491000103&CID=quickSearch&database=1. The page features the Engineering Village 2 logo and navigation tabs for News, Quick Search, Expert Search, Thesaurus, eBook Search, Reference Services, and Help. A sidebar on the left provides information about Compendex and a Personal Account section with a Login button. The main search area includes a 'SELECT DATABASE' dropdown set to 'Compendex', a 'SEARCH FOR' text input field containing 'DNA filter' (circled in pink), and a 'SEARCH IN' section with three dropdown menus set to 'All fields'. Below these are 'LIMIT BY' and 'SORT BY' options, including document types, treatment types, languages, relevance, and publication year. A 'Search Tips' section at the bottom provides instructions on using truncation, stemming, and phrase searching.

In this case 308 articles were found. You may want to refine your search
Or start looking at the abstracts right away.

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'Compendex Quick Search Results' page. The address bar shows the URL: <http://www.engineeringvillage2.org/controller/servlet/Controller?CID=quickSearchCitationFormat>. The page header includes the 'Engineering Village 2' logo and navigation links such as 'Search History', 'Selected Records', 'Saved Searches', 'My Folders', and 'End Session'. Below the header is a navigation bar with buttons for 'News', 'Quick Search', 'Expert Search', 'Thesaurus', 'eBook Search', 'Reference Services', and 'Help'. A secondary navigation bar contains 'Refine Search', 'New Search', 'Next Page', and a page indicator '1 - 25'. The main content area features a 'Choose format' section with radio buttons for 'Citation' (selected), 'Abstract', and 'Detailed record', along with a checked option for 'Clear Selected Records on new search'. Below this are 'Choose output' buttons: 'View Selections', 'E-mail', 'Print', 'Download', and 'Save to Folder'. The 'Search Results' section indicates '308 records found in Compendex for: ((DNA filter) WN All fields), 1990-2004'. It includes links for 'Select all on page', a 'Select range' input field, and 'Clear all on page' and 'Clear all selections' links. Three search results are listed, each with a checkbox, a title, a source citation, the database name, and a 'Full-text' button.

Search Results
308 records found in Compendex for: ((DNA filter) WN All fields), 1990-2004

[Select all on page](#) | Select range: to [go](#) | [Clear all on page](#) | [Clear all selections](#)

- 1. **Systolic filter for fast DNA similarity search**
[Guerdoux-Jamet, P.](#) (IRISA); [Lavenier, D.](#) **Source:** *Proceedings of the International Conference on Application Specific Array Processors*, 1995, p 145-156
Database: Compendex
[Abstract / Links](#) | [Detailed Record / Links](#) [Full-text](#)
- 2. **Solid-matrix fluorescence and phosphorescence detection and characterization of benzo[a]pyrene-DNA adducts with Whatman No. 1 and Whatman 1PS filter paper**
[Tjoe, S. Wey](#) (Univ of Wyoming); [Hurtubise, Robert J.](#) **Source:** *Applied Spectroscopy*, v 52, n 3, Mar, 1998, p 414-419
Database: Compendex
[Abstract / Links](#) | [Detailed Record / Links](#) [Full-text](#)
- 3. **Filter matrix estimation in automated DNA sequencing**
[Huang, Weian](#) (Washington Univ); [Fuhrmann, Daniel R.](#); [Politte, David G.](#); [Thomas, Lewis J. Jr.](#); [States, David J.](#) **Source:** *IEEE Transactions on Biomedical Engineering*, v 45, n 4, Apr, 1998, p 422-427

NOTES:

The library has a number of journals in electronic format that you can download for free. Many you can't though.

To find out whether the U has a journal on-line go to:

<http://www.lib.utah.edu> and click on "Library Catalog -what we own", then select "Author, Title, Journal, etc." Then just type in the journal title. If the U has it in electronic form there will be a link to it.

Otherwise the call number will be there for you to look in the shelves for.

If the library does have the journal you want in electronic format, you usually need to be on a campus computer to get it.

You will find many of your articles on the 4th floor of Marriot.

If the library doesn't have what you need, you can go to "Borrowing Materials" at <http://www.lib.utah.edu> and select "Inter Library Loan". Usually they will email you the article within a couple weeks.