

Science Libraries Information Guide

Materials Science & Engineering / Structure of Materials

Current Library Homepage: <http://search.library.cmu.edu>

Research Guide:

Click on “Research Help” then “Engineering (CIT)” then “[Materials Science & Engineering](#)”

Collections:

At the *Engineering & Science Library* (4400 Wean Hall) you will find materials in the engineering fields of Biomedical, Chemical, Civil and Environmental, Electrical and Mechanical. In the sciences: Computer Science, Materials Science, Mathematics, Physics, and Robotics, as well as general science and engineering.

Biology and Chemistry materials are held: *Mellon Institute Library* (4400 Fifth Ave., 4th fl).

→ **Printing**

Use your valid campus ID or purchase a Plaid Ca\$h debit card. Swipe your card at the printer release station to release your job to the printer.

→ **Photocopiers and Scanners** – Available at all libraries

→ **Journals** – can be checked out for 24 hrs.

→ **Book Loan Period**

Undergrad: 30 days - 50 books - 1 renewal per book
(a book may be recalled after 1 week).

→ **Renew your book**

“[My Library Account](#)” to renew items

→ **Interlibrary Loan** “[Library Services](#)”

Need materials that Carnegie Mellon does not own?

- ILLiad: Request Items; track your requests; renew your loans
- EZ-Borrow: Search online & get *books*

→ **Local libraries you can borrow from (in person)**

[The Carnegie Library of Pittsburgh](#)

- With your Carnegie Mellon I.D. card and proof of local residence, go to Main (Oakland) Library lending desk for a library card.

[The University of Pittsburgh Library System](#)

- With your Carnegie Mellon I.D., and proof of current registration, go to the [Hillman Library](#) lending desk, lower level for a borrowing card.

At Hillman Library, you can also use the University of Pittsburgh’s electronic databases and journals ONLY when you ask for a guest account at their reference desk. This allows in person access to their public computers.

→ **Databases of Interest**

Under “[Articles & Databases](#)”

[Databases by Name](#) link

[Databases by Subject](#) link

- **Compendex** (Engineering Index) can also search with **Inspec** database
The most comprehensive interdisciplinary bibliographic engineering database in the world – goes back to 1884!
- **Knovel** - Includes over 1800 full-text reference titles, manuals and handbooks, and the *International Tables for Crystallography*.
- **Materials Research Database with METADEX** (Metals Abstracts)
Content on materials science, metallurgy, ceramics, polymers, and composites used in engineering application.
- **SciFinder Scholar** - Chemical Abstracts
Search by research topic, substances, structure and substructure, chemical name or CAS Registry Number, and reaction search.
- **Web of Science** - includes *Science Citation Index*, literature of the sciences going back to 1945, featuring *Cited Reference* searching.

Under ISI Web of Knowledge, you can also access *Journal Citation Reports*

→ **Search multiple databases at the same time: [MetaLib](#)**

Try the Basic Search, choosing “Engineering/Tech” category

HINT: Track new articles in your subject as they are published via **RSS Feeds**.

ANOTHER HINT: Format your citations/bibliographies

→ [Endnote](#) \$77 via Computing Services

→ [Zotero](#) free of charge, extension of Firefox

→ **Off Campus/Wireless Access** see link on Library’s home page

→ **Recommended search engines**

• Scirus www.scirus.com · Clusty <http://clusty.com/>

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or

ASK a LIBRARIAN—see “[ASK ANDY](#)” link on library homepage