

Science Libraries Information Guide

Materials Science and Engineering: Structure of Materials

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

[CAMEO: Library Catalog](#) Try: **Advanced Search**

Click on “**Research Guides**” to find relevant resources in your discipline concentration.

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, Mathematical Sciences, Physics, and Robotics, as well as general science and engineering.

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

→ **Book Loan Period**

Undergraduate: 30 days – 50 books - 1 renewal per book.

(a book may be recalled after 1 week)

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

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

→ **Printing**

Swipe your Carnegie Mellon ID card at the library printer release station to send your job to the printer.

→ **Renew your materials online**

Use “My Account” link to renew items.

Need materials that Carnegie Mellon does not own?

→ **Interlibrary Loan (ILL)**

• **ILLiad:** Request articles, books, and other items.

• **EZ-Borrow/PALCI:** Request *books* only – quick delivery.

Questions about ILL: 412-268-7215

es82@andrew.cmu.edu

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

[The Carnegie Library of Pittsburgh](#)

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

[The University of Pittsburgh Library System](#)

- With your Carnegie Mellon ID 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.

“Articles & Databases” on Library’s home page: <http://search.library.cmu.edu>

→ **Select Databases**

- **Academic OneFile** - 39 million full-text articles—
with listening capability—have the abstract read TO you!
Try the “Browse Subjects” search for Crystallography.
- **Compendex** (Engineering Index) - can also search with **Inspec** + **NTIS**
The most comprehensive interdisciplinary bibliographic
engineering database in the world – goes back to 1884.
- **CSA ILLUMINA** – results include "Recent References Related to
Technology” – Specific Databases include:
Materials Research Database with METADEX.
- **Knovel** - includes over 2,000 full-text manuals, handbooks, and
encyclopedias, plus interactive tools for data analysis.
- **SciFinder Scholar** – Chemical Abstracts
Explore Substances, Substance Identifier—Get References for: Crystal Structure
- **USPTO** - search patent databases.
With the Patent Number, use <http://www.pat2pdf.org/> to get the pdf.
- **Web of Science** - includes *Science Citation Index*,
literature of the sciences going back to 1900,
featuring *Cited Reference Search*.
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.

→ **Off Campus/Wireless Access:** see link on Library’s homepage

HINT: Track new articles in your subject as they are published via **RSS Feeds** and
format your citations/bibliographies using

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

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Research Guides: <http://guides.library.cmu.edu/>