

NIST Research Library Electronic Resources



NIST Research Library

Accessing NIST Resources

- ❖ Make sure you are using a NIST computer that is within the NIST I.P. range.
- ❖ You can access our resources directly from Google Scholar searches. If full-text is available, you will see “**Full-Text @ NIST Library**” to the right of the citation. Citation indexes that we subscribe to, such as Web of Science, will also link to full text.
- ❖ You can access resources from the NIST Library homepage
<https://inet.nist.gov/library> in several ways

The screenshot shows the NIST Research Library homepage. On the left, a navigation menu lists: About Us, Library Catalog, Journals and e-Books, Research Tools, NIST Reports, Museum/History, and Boulder Labs Library. Below this is a CONTACT section with the Library Info Desk phone number (301-975-3052) and email (library@nist.gov). The main content area features a search bar with the text 'Search books, ebooks, articles, databases and more, all in one place' and a 'Search' button. Above the search bar are tabs for 'Search Everything', 'Articles', 'Journal List', 'Databases', and 'Books'. Below the search bar are links to 'Web of Science', 'Engineering Village', 'IEEE Xplore', 'Google Scholar', 'Request a Standard', and 'Rules of Behavior'. At the bottom, there are six service tiles: 'RESEARCH SUPPORT & ANALYSIS SERVICES', 'PUBLISHING SUPPORT & NIST PUBLICATIONS', 'SPACES & SERVICES', 'RESEARCH DATA MANAGEMENT', 'INTERLIBRARY LOAN', and 'NEWS ON THE MONITORS'.

Annotations on the left side of the screenshot:

- Access **library catalog** to see the library's **physical holdings**. The catalog only contains some of the library's electronic content.
- See a list of **e-journals and e-books** and provider links.
- Browse **research databases** by subject area.
- Find a complete list of **NIST Technical Series Publications**. You can filter by series and view a list of all reports.
- Search for **NIST Museum news** and exhibits and updates.
- Visit our **NIST Digital Archives** for images, Journal of Research of NIST, and other content.

Annotation on the right side of the screenshot:

- Use **discovery search box** for article-level searching. Once you perform a search, you can filter your results. This is the most comprehensive place to access all the library's **electronic content**.

You can also search NIST content at the Internet Archive
<https://archive.org/details/NISTresearchlibrary>

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E-Book Collections

A sample of our most popular e-book collections. A full list is available at the **Journals and e-Books** link on the Library's homepage.

Wiley Online Library

- ❖ Access to thousands of Wiley Online Books in areas of Business, Chemistry, Medicine, Engineering and more.

IEEE-Wiley e-Book Collection from 2010-2020

- ❖ Perpetual access to the IEEE Wiley-published e-book collection. Areas of Aerospace, Bioengineering, Communication, Networking and Broadcast Technologies, Components, Circuits, Devices and Systems, Computing and Processing, Engineered Materials, Dielectrics and Plasmas; Engineering Profession; Fields, Waves and Electromagnetics; General Topics for Engineers; Geoscience; Nuclear Engineering; Photonics and Electrophysics; Power, Energy and Industry Applications; Robotics and Control Systems; Signal Processing and Analysis; and Transportation.

Royal Society of Chemistry

- ❖ Over 1600 e-books in: Analytical, Bioscience, Energy & Environmental, Food Science, Industrial & Pharmaceutical, Materials & Nanoscience, Organic, Physical; unlimited access and usage; downloads can be saved in multiple formats; subscribe to email alerts; specialist periodic reports and conference proceedings.

CRCnetBASE

Springer e-books

Knovel e-books

- ❖ Areas of Chemistry & Chemical Engineering, Electronics & Semiconductors, Mechanics & Mechanical Engineering, Metals & Metallurgy, Nondestructive Testing & Evaluation.

Databases

A sample of our most popular research databases. A full list is available at the **Research Tools** link on the Library's homepage.

Engineering Village

Knovel

MathSciNet

Scifinder

- ❖ Contact Keith Martin 301-975-2789 or Marilyn White 301-975-2811 to set up account

Web of Science

ACM Digital Library

IEEE Xplore

SPIE Digital Library

ArticleFirst, PapersFirst, and Proceedings First

HeinOnline

ASM Alloy Phase Diagram

ASTM Compass

CAS Source Index (CASSI)

ChemBioDraw Ultra

LexisNexis

Market and Markets-New for this year!

- ❖ Market research reports on 30,000 emerging topics. Report downloads are limited. Please email library@nist.gov for access to a specific report or data point.

Strategic Business Insights

Westlaw

InCites

Journal Citation Reports

NIST Chemistry WebBook

NIST Data Gateway

Ulrich's Periodicals Directory

World Cat



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E-Journals

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ACM Digital Library: journals, books, conferences, proceedings

American Institute of Physics journals and archives

Annual Reviews

Optical Society of America journals and archives

Springer Chemistry and Materials Science archives

Springer All Americas journals

American Association for Cancer Research

American Chemical Society journals

Science

American Mathematical Society: Journal of the American Mathematical Society, Mathematics of Computation

American Physical Society Journals

American Society for Biochemistry and Molecular Biology

American Society for Microbiology

ASTM Journals

American Society of Mechanical Engineers- New complete package for 2020

Annual Reviews

Cambridge journals

Elsevier ScienceDirect Freedom Package

IEEE/IET Electronic journal library

Institute of Physics journals

JSTOR Business and mathematics & statistics journals

Mary Ann Liebert journals

Nature journals

Optics InfoBase Premium journals

Royal Society of Chemistry Gold package journals

SAGE journals

SIAM journals

Springer All Americas journal package

Taylor & Francis journals

Wiley journals