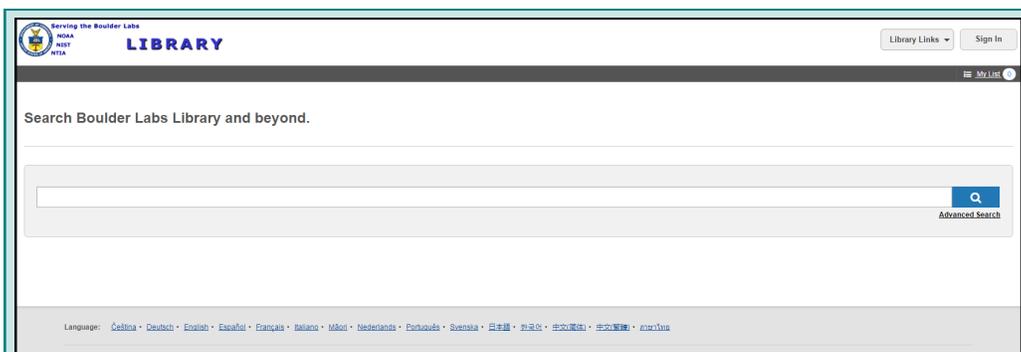


Winter 2016 Newsletter

Introducing the Library's New Online Catalog

WorldCat Discovery is a powerful new system, providing access to a worldwide catalog of over 1.8 billion items. Replacing the Library's previous catalog, Discovery allows you to search global holdings in addition to items in the Boulder Labs Library. You can also search full-text journal articles. Use Discovery to:

- Search for print books, ebooks, journals, individual journal articles, audio, and video
- Filter searches by library, format, author, year, language, and topic
- Request an article or other loan item via ILLiad. One click will populate your ILLiad request form
- Place items on hold, and choose the date range in which you will need the item
- Manage your account: renew items, save lists of items, change your password, etc.
- Send citations via email or export to EndNote or RefWorks
- Use Advanced Search, which allows you to search specific indexes and databases, narrow by format, year, and more



Getting started — Keyword Searching

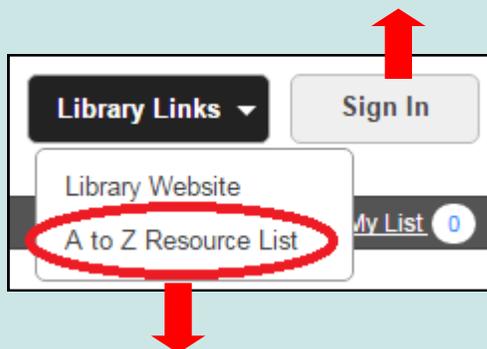
From the Library's Home Page, click "Catalog." Or bookmark this URL: <https://boulderlabslibrary.on.worldcat.org/discovery>

The default screen provides a single search box, which searches keywords across multiple fields including author, title, date, and subject. Results are ordered by relevancy with those records containing all of your search terms appearing before results containing only some of the keywords entered. The Boolean operators "AND," "OR," or "NOT" can be used to connect terms. Ensure the operators are capitalized, to distinguish them from casual use of these words. Truncation and wildcard symbols are also available, as follows:

- asterisk (*) = 1 to 999 characters. For example, statistic* will return statistics, or statistical
- question mark (?) = 0 - 9 characters. For example, statistic? will return statistic, statistics, or statistical
- pound sign (#) = 1 character. For example fib## optics will return fiber optics or fibre optics

Sign In

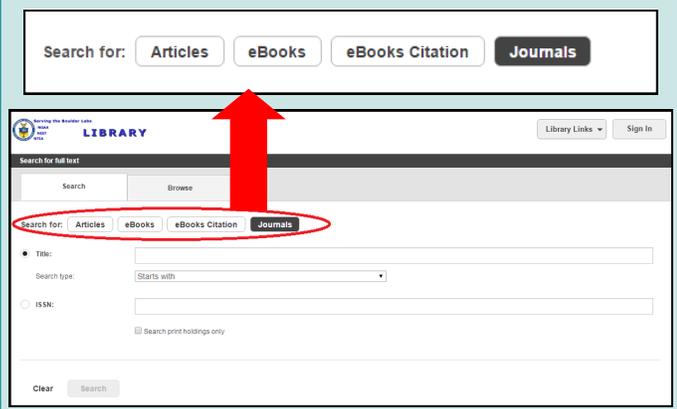
Create your account to renew books and request items for hold or recall. Your username is the same as your Boulder Labs email address before the “@” sign, and you create your own password. If you have any problems with registration, contact a library staff member.



Library Links—A to Z Resource List

Clicking the “Library Links” drop-down menu in the upper-right-hand corner of the page brings you the link for the Library’s Home Page, and the A to Z Resource List. Search the list for Journals, journal articles, eBooks, and eBook chapters. You may also browse eJournals or eJournal collections. To search:

- For “Journals,” enter beginning of title or ISSN
- For “Articles,” best results are obtained using **Advanced Search**, not the A to Z list
- For “eBooks,” type full title or ISBN
- For “eBooks Citation,” enter additional fields such as author, chapter and series titles, date published, and page range



Advanced Search

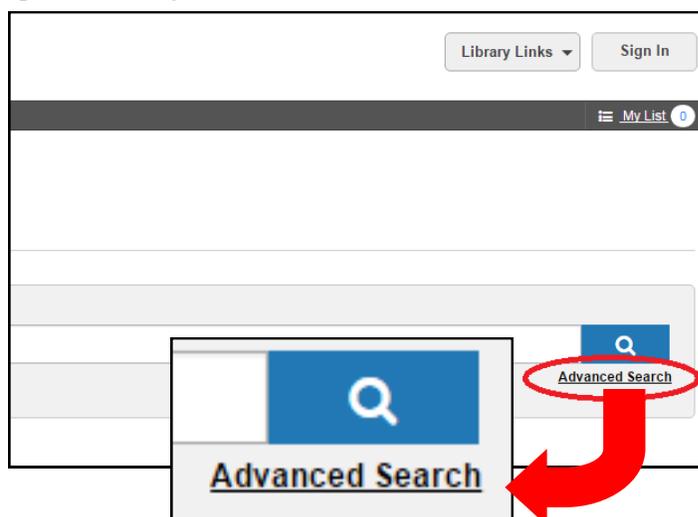
For a more complex search, click on “Advanced Search” at the bottom right of the Keyword Search box. You can select from a variety of fields, operators and limits to make your search as specific as possible. Drop-down boxes provide access to numerous search fields, including:

- Keyword
- Abstract
- Author or Author Phrase
- Publisher
- Subject or Subject Phrase
- Title or Title Phrase
- ISBN or ISSN

Use caution when searching using the phrase option (i.e. subject phrase, journal source; source phrase, title phrase), as these searches must match the entry exactly.

Additional search boxes can be added to further refine your search by clicking on “+ Add row.” Rows are connected by choosing the Boolean Operators AND, OR, NOT from the drop-down menu. Truncation (“*”) and Wildcards (“?” or “#”) can also be used to retrieve spelling variations. For more information on truncation see **Getting Started—Keyword Searching** on page one.

Further limit your search by using the drop-down boxes for format, location, and/or entering a publication year.

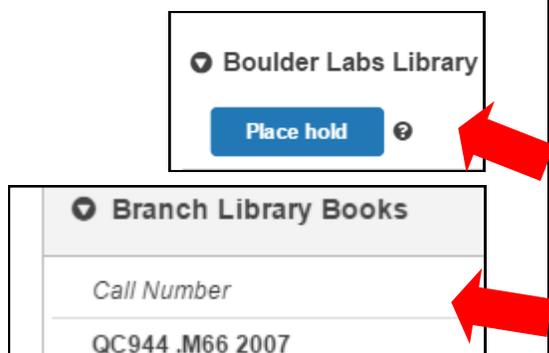


Library Liaison News – V. 4, Issue 1 – Winter 2016

Results List

Once you enter a search, the results list appears on the right side of screen. Items held by Boulder Labs Library appear at the top of the list. Results can be filtered using options in the left column. Each entry includes title, author(s), format, year, a link for other editions & formats, library holdings, and a “View online” icon if the full-text is available electronically. Clicking on the title will bring you to additional information including:

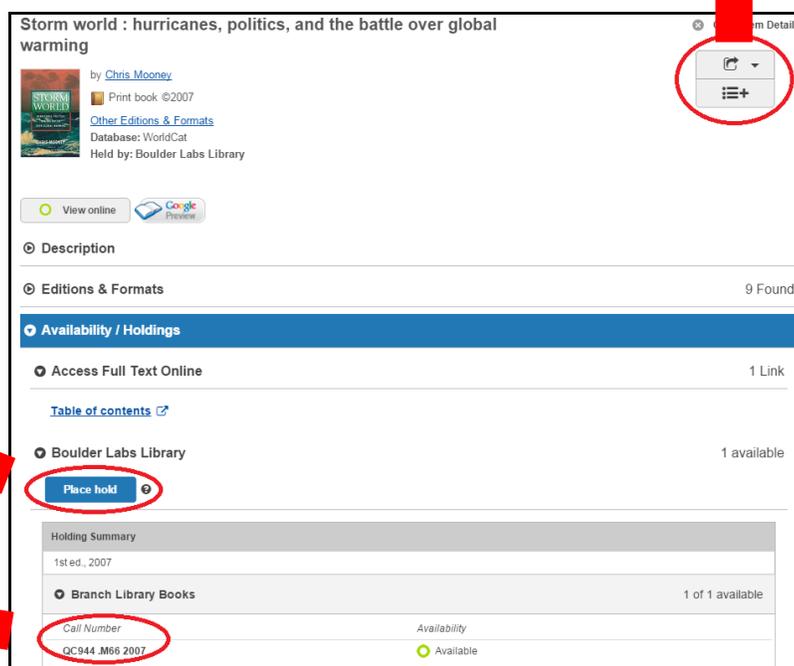
- A description that contains contents/summary, language, ISBN/ISSN, and/or subject headings
- Availability/Holdings, where you will be able to place a hold or recall on items the library owns, or request via ILLiad those items not held by the library. Clicking on “place hold” or “recall” will prompt you to log into your library account. Clicking on “request item” will take you to your ILLiad account
- Clicking on “View Filters” at the upper left-hand corner will bring you back to your results list with search filters on the left-hand side.



Share & My List Icons

The “Share” icon (top - with arrow) gives you the option to email the citation to yourself or another researcher, export to EndNote or Reference Manager, or copy and paste the URL into an email or other document.

The “Add to My List” icon (bottom - with +) allows you to create a temporary list of items that can be emailed or exported as a group. The list is accessible from the “My List” link below the “Sign In” button, and can be saved permanently once you sign into your account.

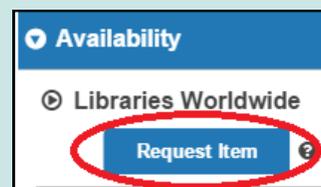


Request item via ILLiad from Discovery

Look at the entry for the item you want. If the statement **Held by: Boulder Labs Library** does not appear, click on the item’s title. Under **Availability**, click **Request Item**. The ILLiad logon screen will appear. Log in to ILLiad. The request form will automatically populate with the item’s information:

- Author
- Title
- Publisher & Date
- ISBN

In the Notes field, you may enter any additional information. Once you click the **Submit Information** button, your ILLiad request appears under **Requests In Process**. The Library staff will process your request.



Library Liaison News — V. 4, Issue 1 — Winter 2016

New Books for NIST 687 in 2015

Print

QC612.S4 .R83 2015. **Physics of semiconductor devices** / Massimo Rudan. ([More Info](#))

T174.7 .M53 2014. **Micro and smart devices and systems** / K.J. Vinoy, G.K., et al., editors. ([More Info](#))

TK5102.86 .M53 2015. **Energy and spectrum efficient wireless network design** / Guowang Miao, Guocong Song. ([More Info](#))

TK5103.2 .L43 2015. **Integrated wireless propagation models** / William C.Y. Lee, David J.Y. Lee. ([More Info](#))

TK5103.2 .L48 2014. **Management of speech and video telephony quality in heterogeneous wireless networks** / Blazej Lewcio. ([More Info](#))

TK5103.2 .O93 2014. **Feedback strategies for wireless communication** / Berna Ozbek, Didier Le Ruyet. ([More Info](#))

TK5103.2 .R47 2014. **Resource allocation and MIMO for 4G and beyond** / Francisco Rodrigo Porto Cavalcanti, editor. ([More Info](#))

TK5103.4815 .C645 2015. **Cognitive radio and networking for heterogeneous wireless networks: recent advances and visions for the future** /

Maria-Gabriella Di Benedetto, et al., editors. ([More Info](#))

TK5103.4835 .D44 2015. **CMOS front ends for millimeter wave wireless communication systems** / Noel Deferm, Patrick Reynaert. ([More Info](#))

TK5103.4835 .K42 2015. **Data transmission at millimeter waves: exploiting the 60 GHz band on silicon** / Khaled Khalaf , et al. ([More Info](#))

TK5103.4835 .R37 2015. **Millimeter wave wireless communications** / Theodore S. Rappaport, et al. ([More Info](#))

TK5103.59 .A47 2015. **All-optical signal processing: data communication and storage applications** / Stefan

Wabnitz, et al., editors. ([More Info](#))

TK5103 .S97 2014. **System-level design methodologies for telecommunication** / Nicolas Sklavos, et al., editors. ([More Info](#))

TK7871.67.U45 .D46 2014. **Ultrawideband antennas for microwave imaging systems** / Tayeb A. Denidni, Gijo Augustin. ([More Info](#))

TK7871.85 .M36 2013. **Materials and reliability handbook for semiconductor optical and electron devices** / Osamu Ueda, Stephen J. Pearton, editors. ([More Info](#))

eBooks

Crystal growth and evaluation of silicon for VLSI and ULSI / Golla Eranna. 2015. ([Full-text Access](#))

Doubt-Free Uncertainty In Measurement : An Introduction for Engineers and Students / Colin Ratcliffe. 2015. ([Full-text Access](#))

Electromagnetic Nondestructive Evaluation (XVII) / K. Capova. 2014. ([Full-text Access](#))

Electromagnetic phenomena in matter : statistical and quantum approaches / I.N. Toptygin. 2015. ([Full-text Access](#))

Essentials of LTE and LTE-A / Amitabha Ghosh and Rapeepat Ratasuk. 2011. ([Full-text Access](#))

Introduction to Vibrations and Waves / H. John Pain. 2015. ([Full-text Access](#))

Nonlinear approaches in engineering applications : applied mechanics, vibration control, and numerical analysis / Liming Dai. 2015. ([Full-text Access](#))

Organic Nanophotonics : Fundamentals and Applications / Yong Sheng Zhao. 2015. ([Full-text Access](#))

Make a recommendation:

mike.robinson@noaa.gov

Locations

Main: Bldg. 1, 1200 / 303-497-3271

Branch: DSRC, 2C407 / 303-497-6742

Hours

8am-4:30pm Mon-Fri

Website

<http://library.blrdoc.gov>

Reference/Inquiries

BoulderLabs.Ref@noaa.gov

Liaison: Mike.Robinson@noaa.gov; X5569