

# 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

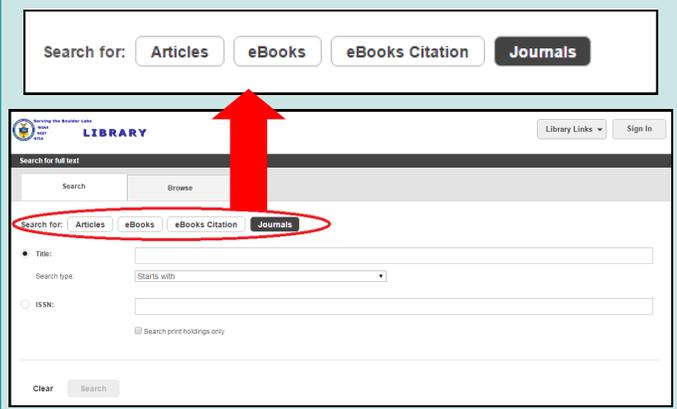
Create your account to renew books and request items for hold or recall. Your username is the same as your Boulder Labs email address before the “@” sign, and you create your own password. If you have any problems with registration, contact a library staff member.



## 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

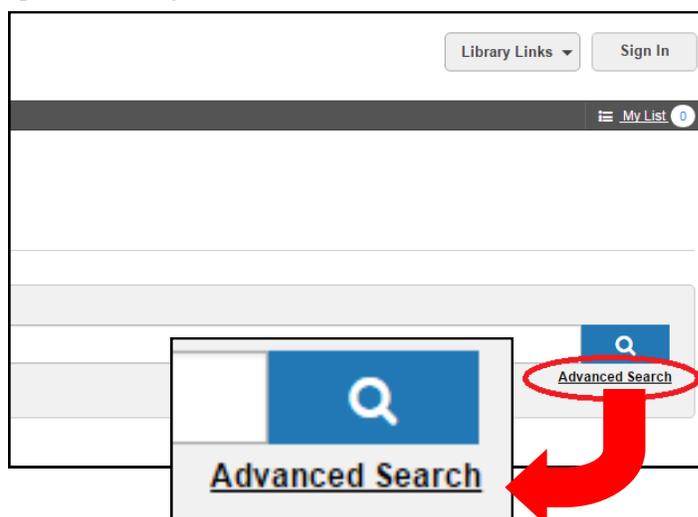
For a more complex search, click on “Advanced Search” at the bottom right of the Keyword Search box. You can select from a variety of fields, operators and limits to make your search as specific as possible. Drop-down boxes provide access to numerous search fields, including:

- 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.

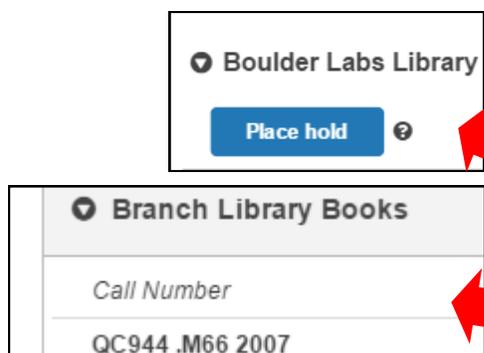


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## Results List

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:

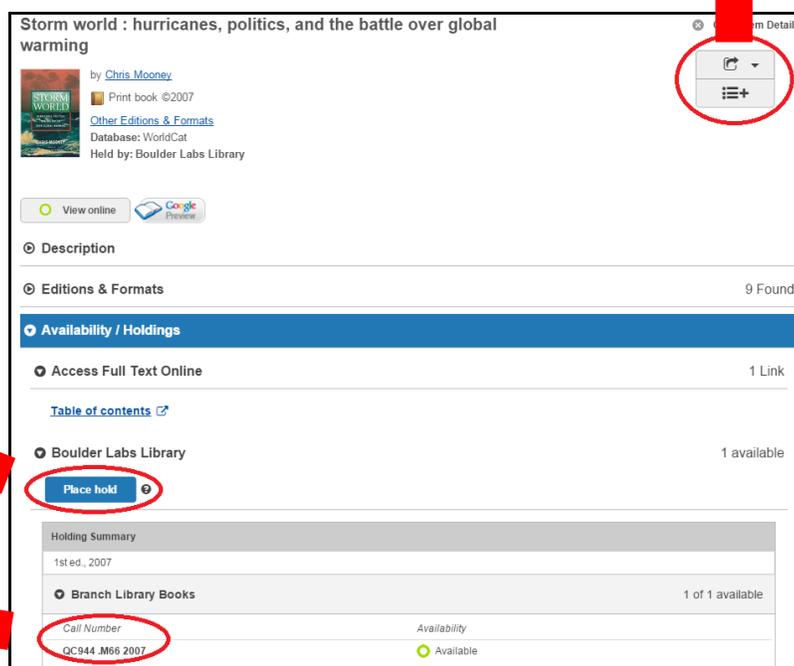
- A description that contains contents/summary, language, ISBN/ISSN, and/or subject headings
- Availability/Holdings, where you will be able to place a hold or recall on items the library owns, or request via ILLiad those items not held by the library. Clicking on “place hold” or “recall” will prompt 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.

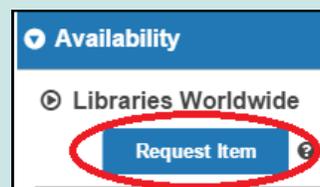


## Request item via ILLiad from Discovery

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.



## New Books for NIST 686 in 2015

### Print

QC174.12 .C87 2014. **Concise treatise on quantum mechanics in phase space** / Thomas L. Curtright, David B. Fairlie, Cosmas K. Zachos. ([More Info](#))

QC174.12 .J34 2014. **Quantum objects: non-local correlation, causality and objective indefiniteness in the quantum world** / Gregg Jaeger. ([More Info](#))

QC174.17.C45 .W54 2014. **Nonlinear dynamics and quantum chaos: an introduction** / Sandro Wimberger. ([More Info](#))

QC174.17.M4 .J33 2014. **Quantum measurement theory and its applications** / Kurt Jacobs. ([More Info](#))

QC176.8.N35 .G65 2014. **Gold nanoparticles in analytical chemistry** / Miguel Valcarcel, Angela I. Lopez-Lorente, editors. ([More Info](#))

QC454.L3 .D46 2014. **Laser spectroscopy 1: basic principles** / Wolfgang Demtroder. 5th ed. ([More Info](#))

QC689.5.L37 .N34 2014. **Quantum electronics for atomic physics and telecommunication** / Warren Nagourney. 2nd ed. ([More Info](#))

TA418.9.N35 .T65 2014. **Guide through the nanocarbon jungle: buckyballs, nanotubes, graphene, and beyond** / David Tomanek. ([More Info](#))

TA1637 .S66 2015. **Image processing, analysis, and machine vision** / Milan Sonka, Vaclav Hlavac, Roger Boyle. 4th ed. ([More Info](#))

TK5103.59 .A47 2015. **All-optical signal processing: data communication and storage applications** / Stefan Wabnitz, Benjamin J. Eggleton, editors. ([More Info](#))

### eBooks

**Advanced digital optical communications** / Le Nguyen Binh. 2nd ed. 2015. ([Full-text Access](#))

**Advances in Condensed Matter Optics** / Liangyao Chen. 2015. ([Full-text Access](#))

**Advances in Nonlinear Optics** / Xianfeng Chen. 2015. ([Full-text Access](#))

**Characterization of nanomaterials in complex environmental and biological media** / Mohammed Baalousha, Jamie R. Lead, editors. 2015. ([Full-text Access](#))

**Dry Etching Technology for Semiconductors** / Kazuo Nojiri. / 2015. ([Full-text Access](#))

**Fundamentals of photonics and physics** / David L. Andrews. 2015. ([Full-text Access](#))

**Nanomechanical analysis of high performance materials** / Atul Tiwari, editor. 2014. ([Full-text Access](#))

**Optomechanical systems engineering** / Keith J. Kasunic. 2015. ([Full-text Access](#))

**Photonics : scientific foundations, technology, and application. Volume III, Photonics technology and instrumentation** / David Andrews. 2015. ([Full-text Access](#))

**Silicon Carbide One-dimensional Nanostructures** / Lawrence Latu-Romain / 2015. ([Full-text Access](#))

**Make a recommendation:**  
[mike.robinson@noaa.gov](mailto: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