

Bibliotips

Alfred R. Neumann Library, University of Houston Clear Lake

IOP (Institute of Physics) Electronic Journals provides selected full text access to Institute of Physics journals to which the Neumann Library currently subscribes, as well as access to the Tables of Contents for journals not currently subscribed. It includes access to the archives for 50 selected journals from 1874 to 1994, and 27 journals for the latest two years.

STARTING IOP ELECTRONIC JOURNALS

From the library's World Wide Web homepage (<http://www.uhcl.edu/library>), click on **Research a Topic**, then **Databases A-Z**. Select the tab **Databases by Name**, click **I**, and then click on the **IOP Electronic Journals** hyperlink.

HOW TO SEARCH

Basic steps:

- Enter desired search terms in the available search boxes
- Select a search field such as *Abstract/Title*, *Keywords*, etc., from the pull down menu
- Connect search terms with a Boolean operator (AND, OR)
- Click **Run Search** when ready

Journals Home Journals List EJs Extra Search Authors Referees Librarians User Options Help

Either: Search article headers and abstracts:

laser in Abstract/Title (Help)

AND smith in Author

AND in Abstract/Title

Or: Search full text of articles:

Run search Run search and cluster results **What is a cluster?**

Select year range:

Search all years (Help)

Search from Jan 2003 to Dec 2005

Select a journal, subject category or EJs Collection:

Search all journals (Help)

Search specific journal(s)

[To select more than one journal, hold down the Control key (PC) or Option key (MAC)]

Journal of Physics A: Mathematical and General
Journal of Physics B: Atomic, Molecular and Optical Physics
[includes Journal of Physics B: Atomic and Molecular Physics]

Search journals in a subject category
Condensed Matter and Materials Science

Search EJs Collections
IOP Physics Reviews (Help)

Display options:

Cluster these results by subject

10 results Summary format Sorted by: Date Natural

Click **Journal List** and then **Journal Subscriptions at your site** for a complete list of journal titles available in full text for UHCL users.

Enter search terms here to increase your search results.

Get context sensitive help.

Click here to cluster your search results by subjects of interest

Select to display results from 10 up to 100 records in *Summary* or *Abstract* format, sorted by *Date*, *Author*, *Affiliation*, or *Relevance*, and in *Natural* or *Reverse* order.

Use **Content Finder** from the left navigation menu to locate a specific article or search the table of contents of a specific journal.

To focus your search results, click on the radio buttons next to the desired search categories such as *all years* or *year range*, *all journals* or *specific journals*, or *journals in a subject category*, etc.

SEARCH TABLE OF CONTENTS

Search Content finder Search history custserv@iop.org

CONTENT FINDER

New Journal of Physics

Full Search Author: Vol./Year: Issue/Month: Page/Article No: Find

Help

ADVANCED SEARCH TIPS

Use Boolean operators, wildcards, or double quotes to define your search:

- electron **and** proton finds records containing both words
- electron **or** proton finds records containing either *electron* or *proton* or both
- electro* finds records containing *electron*, *electronic*, *electromagnetic*, etc.
- “electronic structure” finds records containing the exact phrase *electronic structure*

VIEWING AND MARKING RESULTS

If results are unsatisfactory, click here to modify a search or start over.

At the Search Results page, use the **Previous** or **Next** link to navigate your results.

To view multiple records, mark desired records and click **export/email results**.

Follow hyperlinks to find more articles by an author or go directly to the abstract, references or full text.

Search results clustered by subject

- laser
 - ⊕ Films, Pulsed laser deposition
 - ⊕ Plasma Density
 - ⊕ Fibre laser

1. **Bifurcations of n -homoclinic orbits**
 Sebastian Wieczorek and Bernd Krauskopf
Nonlinearity 18 No 3 (May 2005) 1095-1120
[Abstract](#) | [References](#) Full text: [Acrobat PDF](#) (1.70 MB)

Off-axis MgB₂ films using an *in situ* annealing pulsed laser deposition
 Yue Zhao, Mihail Ionescu, Josip Horvat and Shi Xue Dou
Supercond. Sci. Technol. 18 No 4 (April 2005) 395-399
[Abstract](#) | [References](#) Full text: [Acrobat PDF](#) (466 KB)

Single-pulse femtosecond laser machining of glass
 S Campbell, F C Dear, D P Hand and D T Reid
J. Opt. A: Pure Appl. Opt. 7 No 4 (April 2005) 162-168
[Abstract](#) | [References](#) Full text: [Acrobat PDF](#) (457 KB)

When you select to display your results in clusters, you can click on topic-oriented subject links for related articles.

PRINTING AND EMAILING RECORDS

At the **Export/Email Results** screen, select desired options from the pull down windows, and then click **Export Results**.

1 This page Which records do you want to export/e-mail? (use the checkboxes next to each record to select them)

2 HTML In which file format do you wish the records to be exported?

3 Abstract (title/author/affiliation/abstract) How much detail for each record do you wish to export?

4 E-mail E-mail address(es): To where do you wish to export the records?

Export Results

To print individual article in PDF format, be sure to use this printer icon.

Single-pulse femtosecond laser machining of glass

S Campbell¹, F C Dear², D P Hand² and D T Reid¹

USEFUL USER OPTIONS

Personalize your search in *IOP Electronic Journals* by first creating an account, then choose to receive email alerts of the latest articles of your choice, set up filing cabinets of your favorite articles with your personal notes, save your search history, or create a personal journals list.

User options

To take advantage of these options, you first need to [login](#), or if you're new to our Electronic Journals service/IOP Select, please [create an account](#).

The following personalization options are available:

- **E-mail alerting service** [\(help\)](#)
 This popular and time-saving option is designed to keep you up-to-date with the publication of new articles within your chosen subject area. Two types of alerts are available: standard tables of contents alerts and enhanced alerts, based on your own criteria (keywords etc.).
- **Filing Cabinet** [\(help\)](#)
 The Filing Cabinet helps you to track your favourite articles. It allows you to keep an online record of any articles that you have marked of interest so that you can quickly and easily return to them. You can also add your own personal notes that will be displayed with the article's abstract.
- **Save your searches** [\(help\)](#)
 Following a search, you can save it in your Search history for future use, so that you can return to it and rerun it whenever you wish.
- **Personal Journals List** [\(help\)](#)
 To help you to get to the information you want as easily as possible, you can

For more information, refer to onscreen help, or consult a reference librarian.