

Bibliotips

Alfred R. Neumann Library, University of Houston Clear Lake

INSPEC was created by the IEE (Institution of Electrical Engineers) and provides abstracts and indexing to scientific and technical papers in physics, electrical engineering, electronics, communications, control engineering, computing, information technology, manufacturing, production, and mechanical engineering. INSPEC provides citation coverage from over 3,400 journals and 2,000 conference proceedings as well as numerous books, dissertations, and reports, with full text for approximately 740 journals. In addition to the core subject areas, INSPEC also provides coverage in related disciplines such as materials science, oceanography, nuclear engineering, geo-physics, and biomedical engineering. INSPEC is updated weekly.

STARTING INSPEC

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 **INSPEC** hyperlink.

HOW TO SEARCH

Choices of search methods are available as tabs across the top of the screen:

- **Basic Search** – allows keyword, truncation, and Boolean (**AND**, **OR**, **NOT**) searching with selected limiters.
- **Advanced Search** – default search method; allows the greatest searching flexibility; see sample search form below:

The screenshot shows the EBSCO Research Databases search interface. At the top, there are navigation tabs for 'Basic Search', 'Advanced Search', 'Visual Search', and 'Choose Databases'. Below these are sub-tabs for 'Keyword', 'Thesaurus', 'Publications', 'Classification Codes', and 'Indexes'. The main search area contains a 'Find:' field with the text 'mirror or laser' and a dropdown menu set to 'SU All Subject Headings'. Below this are two more search terms: 'light or optics' and an empty field, both with dropdown menus set to 'SU All Subject Headings'. A 'Search' button and a 'Clear' button are to the right. A callout box points to the search terms with the text 'Enter search term(s) here.' and another points to the 'Search' button with 'When ready, click Search.'

Below the search area is a 'Refine Search' section with tabs for 'Refine Search', 'Search History/Alerts', and 'Results'. Under 'Limit your results:', there are several filter options:

- Linked Full Text:** A checkbox that is currently unchecked.
- Date:** Fields for 'Month' and 'Yr.' with a 'to' separator and another 'Month' and 'Yr.' field.
- Publication Type:** A dropdown menu with options: 'Journal Paper', 'Book', 'Book Chapter', and 'Conference Paper'.
- Source:** An empty text input field.
- Country of Publication:** An empty text input field.
- Language:** A dropdown menu with options: 'English', 'Hebrew', 'Hindi', and 'Hungarian'.
- Classification Section:** A dropdown menu with options: 'All', 'Section A: Physics', 'Section B: Electrical and Electronics Engineering', and 'Section C: Computers and Control'.
- Treatment:** A dropdown menu with options: 'Application', 'Bibliography', 'Economic', and 'Experimental'.

 Callout boxes provide instructions for these filters:

- 'Select a Boolean operator (AND, OR, NOT) to connect multiple search terms.' points to the 'and' dropdowns.
- 'Narrow your search results by using one or more of these limiters. You can limit your results to a particular classification section or a particular treatment, for example.' points to the 'Classification Section' and 'Treatment' dropdowns.
- 'Click here for database help and examples of citation styles (APA, MLA, etc.).' points to a question mark icon.
- 'Select a field (Author, Title, All Subject Headings, Inspec Headings, etc.) from the drop-down list.' points to the dropdown menus in the search area.
- 'You may enter a beginning date, ending date, or a specific date range.' points to the date fields.

OTHER SEARCH OPTIONS

[Thesaurus](#)[Publications](#)[Classification Codes](#)[Indexes](#)

Special search buttons are available near the top of the search screen:

- Use **Thesaurus** to identify and select official subject terms, which may improve your search results.
- Use **Publications** to search for articles from a specific journal or to find whether a publication is indexed in the database, dates of coverage, full text availability, etc.
- Use **Classification Codes** to find articles grouped together by subject areas (*A2000 = Nuclear Physics*, for example). Click **explode** to see all the articles with that code; click **expand** to see narrower subdivisions under each code.
- Use **Indexes** to browse entries for and search specific fields (*author, astronomical object, chemicals*, etc.).

ADVANCED SEARCHING TIPS

Enter Boolean operators, proximity operators, truncation symbols, or field codes directly into the search box:

and	neon and atoms	finds both words in the same record
or	hazardous or dangerous	finds records containing either or both terms
wn	oil w5 refineries	finds <i>oil</i> within 5 words of <i>refineries</i> , i.e., <i>oil and gas refineries</i>
?	mod?l	finds <i>model</i> or <i>modal</i>
*	accident*	finds <i>accident, accidents, accidental</i> , etc.
so	so renewable energy	finds records from source journal <i>Renewable Energy</i>

VIEWING AND MARKING RECORDS

Focus your search results by selecting a related subject heading.

Narrow Results by Subject

[high-speed optical techniques](#)
[laser beams](#)
[laser beam effects](#)
[quantum optics](#)

Click **Search the Neumann Library Catalog** to see whether the library has the journal, volumes owned, classification number, location within the library, etc.

Full text is provided for this article.

Click the title of the source document to see a full description and abstract.

Click **Add** to put records in a folder. Click **Folder has items** when ready to view, print, email, or download the contents.

26. [LISA measurement of gravitational wave background moment via a correlation analysis](#) Seto, N.; Cooray, A. *In Physical Review D*, 15 Dec 2004, vol.70, no.12, pp. 123005-1-8 : APS through AIP, *Journal Paper*. (AN: 8741042)

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[Folder has items.](#)

27. [Hybrid substrate for electronic and optical devices](#) Beckmann, P.; Dusi, M. *In Elektronik*, 14 Dec. 2004, vol.53, no.25 Fachzeitschriften, *Journal Paper*. (AN: 8385337)

[Search the Neumann Library Catalog Full Text](#)

[ARTICLE](#)

28. [Laser writing of semiconductor nanoparticles and quantum dots](#) Gadipalli, R.R.; Story, J.G.; Williams, C.G.; Zhang, G.; Tokuhira, A.T.; Guha, S.; Leventis, N. *In Applied Physics Letters*, vol.85, no.24, pp. 6007-9 : AIP, *Journal Paper*. (AN: 8741042)

[PDF Full Text](#)

When full text is not provided, you also may follow the *Article Linker* hyperlinks to check whether full text is available from another source. See also **Request Articles & Books** on the library homepage.

PRINTING, SAVING, OR EMAILING RECORDS

- For individual records, click on the title hyperlink in the results list. At the full citation record screen, click on your preferred output link at the top of the record, and follow onscreen instructions.
- **To print, e-mail, or download linked full text, first follow the links directly to the full text.** Then click on your preferred output link, and follow onscreen instructions. **To print or download PDF format**, follow the links to the full image, and use the Adobe Acrobat printer or diskette icons at the top of the document. **To e-mail PDF format**, follow the links to the full citation record screen that contains the PDF link, click the e-mail output link, follow onscreen instructions, and select the option to send the PDF as a separate attachment. For more information about outputting linked full text, see online help.
- When saving records to disk, be sure to select **Save as**, change the *Save as* type to **.txt**, and direct the download to an appropriate drive (when saving to a disk, CD or flash drive, for example) before clicking **Save**.

MY EBSCOHOST

If desired, click **Sign In** at the top of the screen, and follow onscreen instructions to save searches, search histories, and alerts for your future personal use.

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