

SCISEARCH ® (SCIENCE CITATION INDEX) ON THE WEB

SciSearch ® provides access to the journal literature (over 8 million articles) in over 100 science and engineering disciplines (from 1977 to the present for UNM users). There are two ways to search the database. The first is cited reference searching. The second is normal author, title, and subject/keyword. There is a separate database for each way of searching. You must be using at least Netscape 3, from a UNM IP address to access SciSearch.

SciSearch ® at LANL Cited References

This database allows one to follow the path of research by finding papers that have cited an earlier work. The impact of a paper can be determined and other related papers can be found that might not have been found doing a subject/keyword search.

Tips for searching Cited References:

****Search on the First author only.**** **Use the Browse option.**

The format used is as follows:

lastname_initials(without spaces)_4 digit year_the first letter of the journal followed by its volume number (no spaces)_the first page number of the article. E.g.,

wang_jn_1990_m1_241

This format must be followed exactly and everything must be entered. However, the Browse option allows one to click on an entry, without having to remember the format.

Browse

Enter as much information as you know, then click on browse. E.g.,

wang_jn_1990

A list of 15 references will appear, along with the capability of going to previous or following groups of 15 references.

Browsing also allows the following:

quick retrieval of citation counts notice of variations and errors, so that references won't be skipped less typing

Truncation is allowed, e.g., wang_jn_1990* retrieves all the articles citing any paper wang_jn published in 1990 wang_jn* retrieves all articles citing anything wang_jn has written

SciSearch ® at LANL

Tips for searching: be sure to scroll down and view the entire screen before submitting your search!

Author

The normal format is author's last name followed by a space followed by two initials (no periods), e.g. wang jn retrieves all articles by wang jn wang retrieves all articles by any author with a last name of wang wang j retrieves all articles by any author with a last name of wang, and one initial only of j wang j? retrieves all articles by any author with a last name of wang and first name beginning with j, with any middle initial

Title

The exact title, or the first few words, can be used to retrieve an article

Abstract, title, keyword

These are words taken directly from article titles, abstracts, and author supplied keywords. Other words automatically generated by the database producers are also included. Automatic stemming occurs when searching in this field. Plurals and verb tense variations are included. Boolean operators (<and>, <or>, <not>) require angle brackets. Nesting is allowed. The truncation symbol is *. E.g.,

quantum well retrieves articles with the phrases "quantum well" or "quantum wells" **"quantum wells"** retrieves articles with the exact phrase quantum wells

quantum, well retrieves articles with one or more of the words, ranked with articles with both words appearing first

quantum <and> well retrieves articles with each of these words, in any order

well* retrieves articles with any word beginning with well (well, wells, wellings, welled, etc) **quantum dots <or> quantum wells) <and> luminescence**

Source

Many of the same techniques found in abstract, title, keyword searching can be used here to search for a particular journal title. American journal of physics retrieves both American journal of physics and American journal of physical anthropology.

All fields

Use this to search author, title, abstract, keyword, and institution at the same time. It is also faster.

Years

Choose whatever years you wish. The default is the last three years: 1996, 1995, and 1994. Scroll down the screen to find the option for searching all years.

Institution

Abbreviations are used extensively. Some of the common ones are: acad, ctr, dept, exptl, genet, inst, lab, mat, med, molec, nucl, phys, physiol, res, sch, and univ.

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