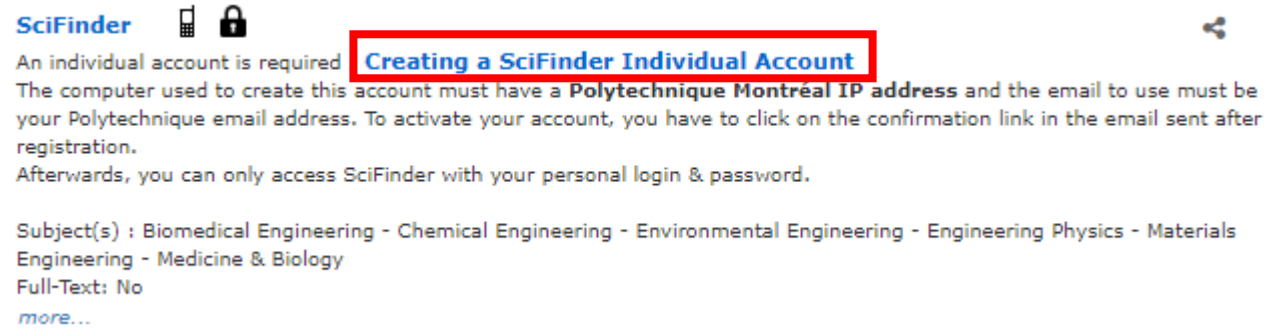
The SciFinder database can be found in our list of Databases.

You must create an account to access SciFinder.



Access SciFinder with your username and password.

For a literature review search in SciFinder, limit the search to **1 to 2 concepts** and use only 1 keyword or expression for each one.

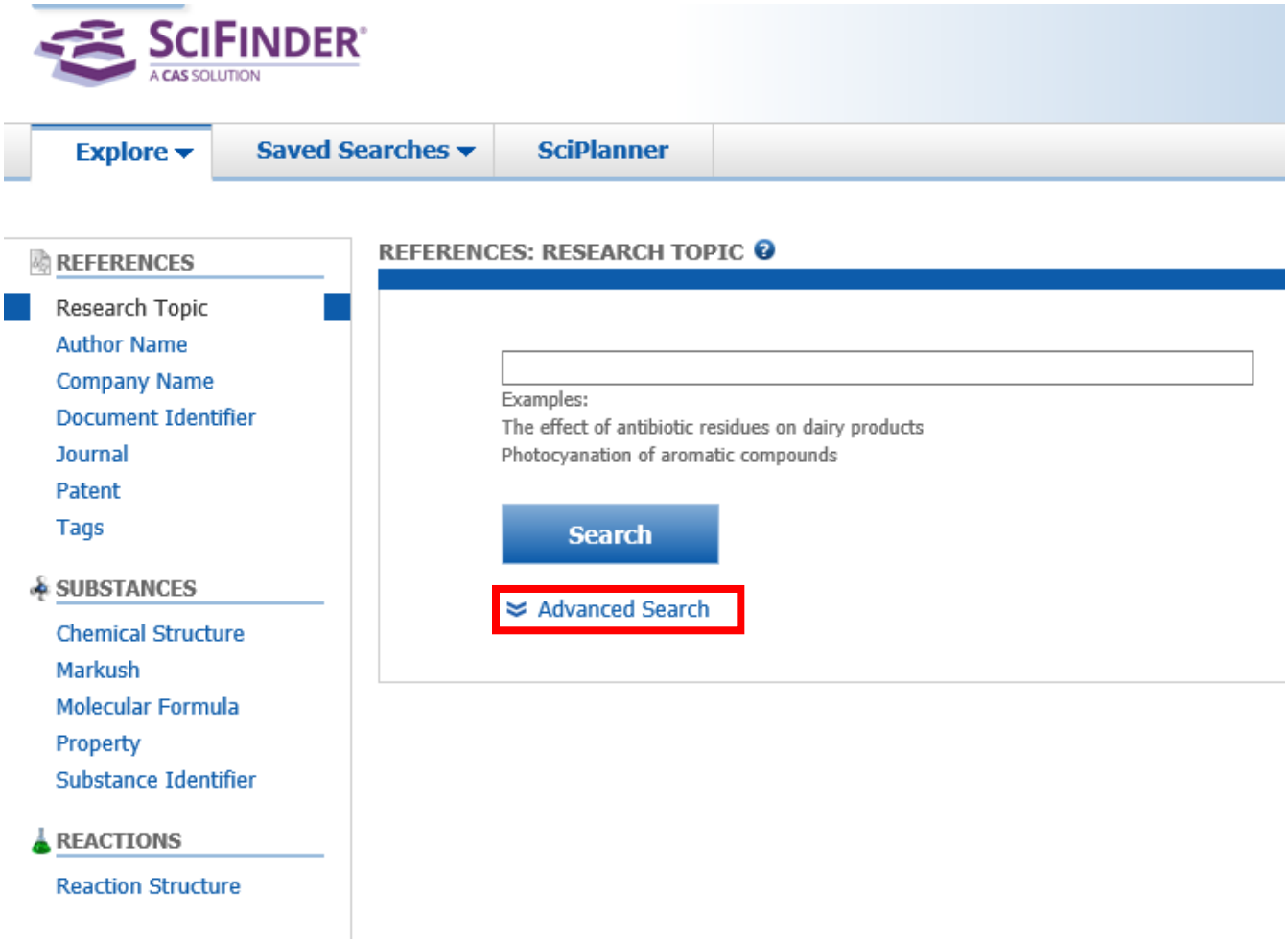
Subject example:
Prototype of a micropump [implanted] for the use of anti-epilectic drug delivery.

Concept #1
Micropumps

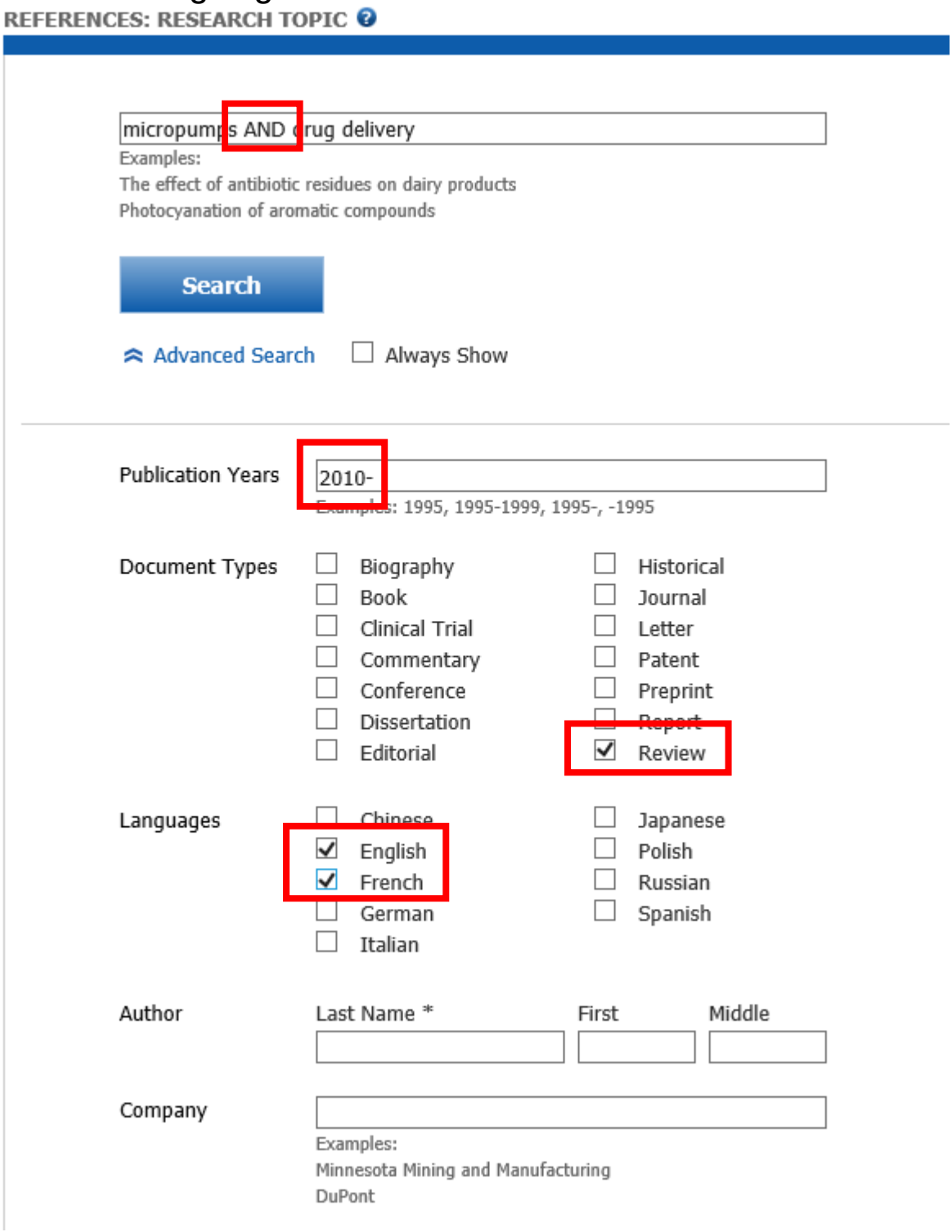
AND

Concept #2
Drug delivery

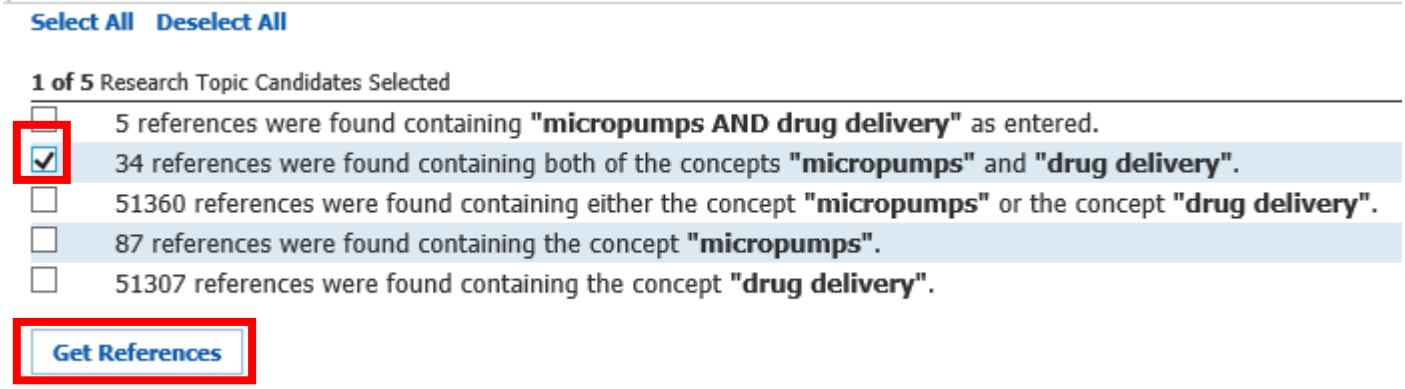
Choose “Advanced Search”.



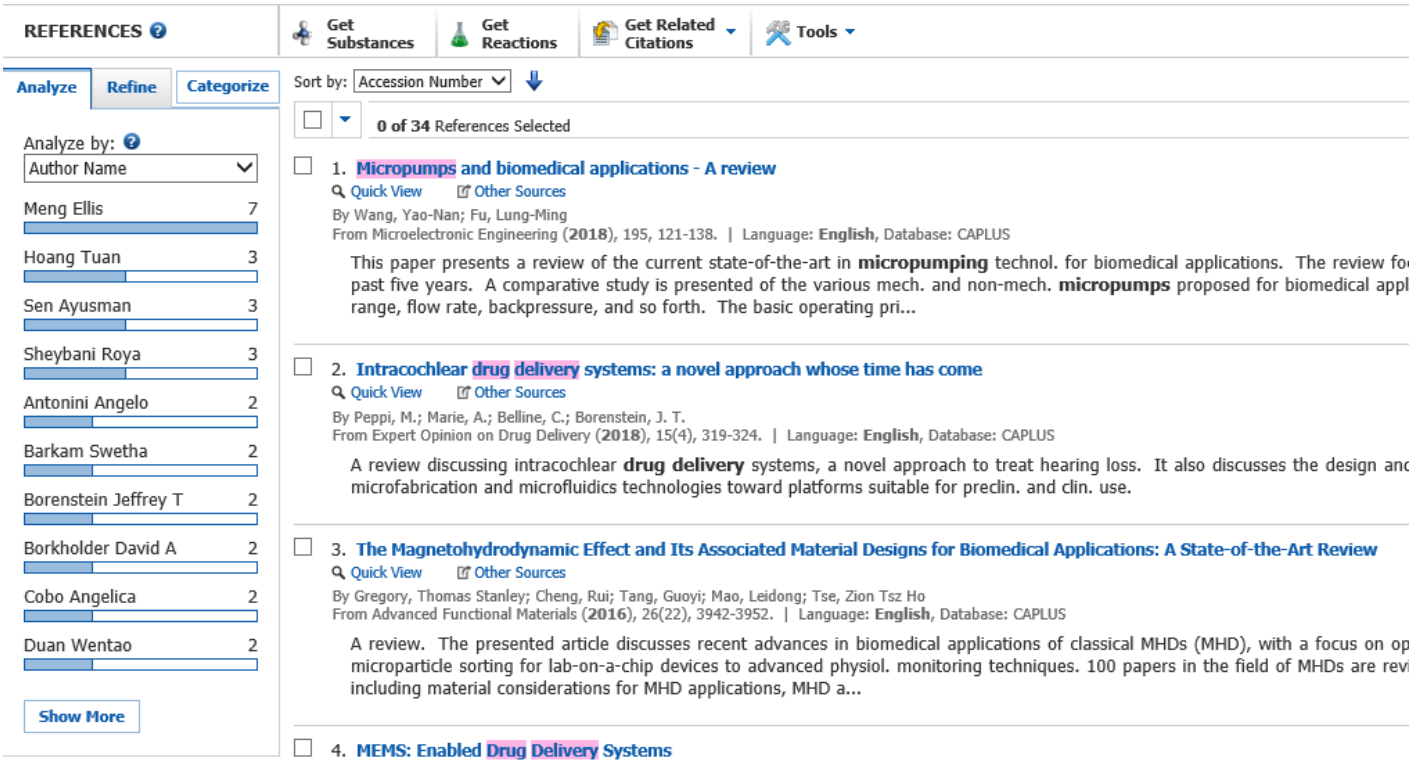
Combine the keywords using AND. Limit your search to the last 10 years. Choose “Review” for the document type. Select the desired languages.



34 references of “Review” type combine both concepts. Checkmark and click on “Get References”.



Click on the title to evaluate the relevance of each result.



This literature review seems interesting. Its record indicates that it is a “General Review”.

1. Micropumps and biomedical applications - A review

By: Wang, Yao-Nan; Fu, Lung-Ming

This paper presents a review of the current state-of-the-art in micropumping technol. for biomedical applications. The review focuses particularly on the actuation schemes, flow directing methods and liq. chamber configurations used in the devices proposed over the past five years. A comparative study is presented of the various mech. and non-mech. micropumps proposed for biomedical applications. The performance of the various devices is compared in terms of their actuation voltage, power consumption, operating frequency range, flow rate, backpressure, and so forth. The basic operating principles and advantages of each method are introduced, and their limitations described where appropriate. The review provides a useful source of ref. for selecting micropumping schemes capable of meeting the specific flow rate requirements of different biomedical applications. In general, the review is expected to be of interest to both seasoned researchers and practitioners in the micropumping and biomedical technol. fields and those entering the field for the first time.

Indexing

Pharmaceuticals (Section63-0)

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