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CITATION INDEX

The *Citation Index* of the *SCI*® is an alphabetical listing by author of all the references (cited items) found in footnotes and bibliographies of journals (citing items) covered in the *SCI*. Only the first author of a cited item is given in the *Citation Index*.

To search the *Citation Index*, look up the name of an author known to have published material relevant to the subject area of your interest. If any author's previously published works have been cited during the period covered by the *SCI* edition you are using, the item will appear in the *Citation Index* and the authors citing the material will be listed. Using the names of these citing authors you can then enter the *Source Index* for complete descriptions of their articles. (See sample *Source Index* entry below.) To locate book reviews from *The Scientist*®, *Science* or *Nature*, look up the author of the book and select only those items coded 'B' (book review). The samples below are for illustration only.

Sample Display

Cited Item	VOL	PG	YR	Citing Item
<i>cited author</i> —————				<i>citing author</i>
—————				<i>journal abbreviation</i>
<i>Both of these items by ANSARA I were references used by Wagner C in his article from Metallurgical Transactions—B.</i>				<i>volume, page & year</i>
<i>year of publication, journal abbreviation, volume & page</i>				
<i>Both these authors cited ANSARI AH's paper in their articles in Obstetrics and Gynecology</i>				
<i>undated item</i>				

Consult the Source Index section of the *SCI* for bibliographic information on all citing items in the Citation Index. (See sample below)

Codes Indicate Type of Source Item:

- Blank** articles, reports, technical papers, etc.
- B** book reviews (from *The Scientist*®, *Science* or *Nature*)
- C** corrections, errata, etc.
- D** discussions, conference items
- E** editorials, editorial-like items
- I** items about individuals (tributes, obituaries, etc.)
- K** chronology—a list of events in sequence
- L** letters, communications, etc.
- M** abstracts from meetings
- N** technical notes
- R** reviews
- RP** reprints
- W** computer reviews (hardware reviews, software reviews, database reviews)

Source Index entry for article by Pezat M which makes reference to the 1963 paper by Anselin F.

SOURCE INDEX ENTRY

PEZAT M
 • TANGUY B VLASSE M PORTIER J HAGENMUL. P—(FR)
 RARE EARTH NITRIDE FLUORIDES
 J SOL ST CH 18(4):381-390 93

A complete description of each source item code appears in the *SCI* Codes and Conventions: Citation Index section of the instructional material.

ISI® Journal Accession Number

PATENT CITATION INDEX

When a patent is cited in a source item the arrangement of the information is altered slightly. As shown in the example below, the cited patent number is used in place of the author's last name. The Patent Section is numerically arranged. Additional information is displayed in sequence as: cited reference year, inventor's name, application or reissue status, and country of issuance.

<i>reference patent number</i> —————	3 410 817							<i>reference application or reissue</i>
<i>cited reference year</i> —————	1988	MCCLELLAN JM	APPL US					
		FRISCH KC	POLYM-PLAST	R	4	1	93	
<i>reference inventor</i> —————	4 302 592							
	1981	TIEMAN CH	US					<i>reference country</i>
		HUANG J	J AGR FOOD		35	368	93	
			J HETERO CH		24	1	93	

How to do Some Typical Searches with the SCI®

Four basic types of searches of the journal literature can be performed with the *Science Citation Index*®. However, best results are achieved when a combination of several types of searching is employed.

1. CITATION SEARCH:

Best used when an earlier key paper relevant to the search subject is known.

Search Requirement:

An investigator is preparing to do research in cellular physiology, a rapidly developing field only indirectly related to the researcher's previous work. Although familiar with Don Fawcett's classic atlas *THE CELL: Its Organelles and Inclusions*, published in 1966, the researcher needs current background in the field.

Search Technique:

By looking up FAWCETT DW in the *Citation Index* section of the *Science Citation Index*, this entry is located:

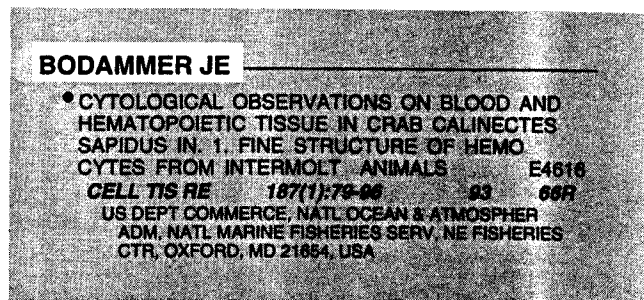
		VOL.	PG	YR
FAWCETT DW				
66 CELL ITS ORGANELLES				
BODAMMER JE	CELL TIS RE	187	79	83
BRAUDE GL	IAN SSS BIO		845	83
DOMAGALA W	VIRC ARCH B	28	27	83

This entry indicates that 3 articles published during the indexing period have referenced (cited) Fawcett's 1966 book and therefore have a high probability of being relevant to the searcher's interest in the cell.

At this point the researcher notes the brief descriptions of the 3 citing articles and turns to the *Source Index* section of the *SCI* to get full descriptions of the articles.

Search Results:

Looking up the name of each author in the *Source Index* leads to entries such as the following:



2. PERMUTERM® SEARCH:

Best used to start a search when no earlier relevant papers on a subject are known. Typical situations would be background searches for a researcher entering a new field or a graduate student starting a new project.

Search Requirement:

To obtain recent background information on the treatment of leukemia.

Search Technique:

Selecting LEUKEMIA and TREATMENT as the pair of terms with which to begin the search, the following entry is located in the *Permuterm Subject Index* section of the *SCI*. (Other search terms which might be used include CANCER, CHEMOTHERAPY, ACUTE-LEUKEMIA.)

LEUKEMIA	
TRANSFUSION	→ BRAINE H
	→ KLOSE WJ
TRANSPLANT	→ JOHNSON FL
	→ KERSEY J
	→ OKUNEWIC JP
	→ THOMAS ED
TREATMENT	→ ARLIN ZA
	→ BERN MM
	→ FOON KA
	→ GANDARA DR
	→ GREENE MH
	→ GWAVAVA NJT
	→ HERMAN TS
	→ JANKOVIC M
	→ KAPLAN H
	→ KEATING MJ
TUMOR	→ GREEN S

This entry indicates that during the period indexed, 10 authors have used the words LEUKEMIA and TREATMENT in the titles of their articles.

At this point the searcher notes the names of the authors located and turns to the *Source Index* section of the *SCI*® to get full descriptions of the articles.

Search Results:

Looking up the name of each author in the *Source Index* leads to 10 entries such as the following:

ARLIN ZA

• FLOMENBE, N GEE TS KEMPIN SJ DELLAQUI, C MERTELSM, R STRAUS DJ YOUNG CW CLARKSON RD—TREATMENT OF ACUTE LEUKEMIA IN RELAPSE WITH 4-(9-ACRIDINYLAMINO) METHANESULFONM-ANISIDIDE (ASMA) IN COMBINATION WITH CYTOSINE ARABINOSIDE AND THIOGUANINE E4611

CANC CLIN T 48(3):317-321 93 20R
 MEM SLOAN KETTERING CANC CTR DEPT MED
 HEMATOL LYMPHOMA SERV, NEW YORK, NY 10021, USA

3. AUTHOR SEARCH:

Best used when the name of an author in the field of interest is known. Enables searcher to check quickly if that author has published anything during the period covered by the index. This is particularly effective if the author has a reputation for publishing important material.

Search Technique:

Look up the name of the specified author in the *Source Index* section of the *SCI*. In this case, the author is SSM HASSAN.

Search Results:

The entry located for HASSAN SSM in the *Source Index* is as follows:

HASSAN SSM

• ELDESOUK, MH—POTENTIOMETRIC AND ATOMIC ABSORPTION SPECTROMETRIC DETERMINATION OF SULFONAMIDES IN PHARMACEUTICAL PREPARATIONS A4681

JAOAC 64(5):1189-1193 93 16R
 AIN SHAMS UNIV, FAC SCI, DEPT CHEM, CAIRO, EGYPT

• TADROS F SELIG W—MICRO-DETERMINATION AND PKA MEASUREMENT OF SOME ALIPHATIC AMINES USING THE COPPER-ION-SELECTIVE ELECTRODE C6941

MICROCHEM J 20(3):429-435 93 17R
 AIN SHAMS UNIV, FAC SCI, DEPT CHEM, CAIRO, EGYPT

• ELDESOUK, MH—SPECTROPHOTOMETRIC DETERMINATION OF PHOSPHORUS AND ARSENIC IN PHARMACEUTICAL ORGANIC-COMPOUNDS A3461

MIKROCH ACT 2(3-4):261-267 93 10R
 AIN SHAMS UNIV, FAC SCI, DEPT CHEM, CAIRO, EGYPT

4. GEOGRAPHIC OR ORGANIZATION SEARCH:

Best used when a geographic location or name of an organization is the starting point of a search. The searcher can identify papers and publishing authors by country, state of the U.S., or by organization. For instance, a researcher could identify researchers in Poland who are publishing in related fields.

Search Technique:

Look up the name of the geographic location in the *Geographic* section of the *Corporate Index*. In this case, the location is KATOWICE, POLAND.

POLAND

KATOWICE

• SILESIA MED ACAD

INST BIOL PHYSIOL
 DEPT PHARMACOL
 HERMAN ZS POL PHAR 31 373 93
 LARYNGOL CLIN
 BIEREK T MAXILLOR 7 172 93

SILESIA SCH MED
 INST INTERNAL MED
 DEPT GASTROENTEROL
 GASTROENTEROL CLIN
 MARKIEWA RYJ CLIN 17 400 93

If the searcher were interested only in papers originating at the Silesian Medical Academy, and did not know the geographic location of that organization, then the search would have started in the *Organization* section of the *Corporate Index*.

SILESIA MED ACAD

POLAND KATOWICE

SILESIA POLYTECH INST
 POLAND GLIWICE

SILESIA SCH MED
 POLAND KATOWICE

Once the names of the authors who have published from the specific geographic location or organization are obtained, full information on the items they have published can be obtained from the *Source Index*.

Search Results:

Looking up the name of each author in the *Source Index* leads to entries such as the following:

HERMAN ZS

• CHOLINERGIC SYSTEM OF THE BRAIN AND ITS INTERACTIONS WITH OTHER AMINERGIC SYSTEMS E4991

POL J PHAR 31(4):373-380 93 36R
 SILESIA MED ACAD, INST BIOL PHYSIOL, DEPT PHARMACOL, KATOWICE, POLAND