

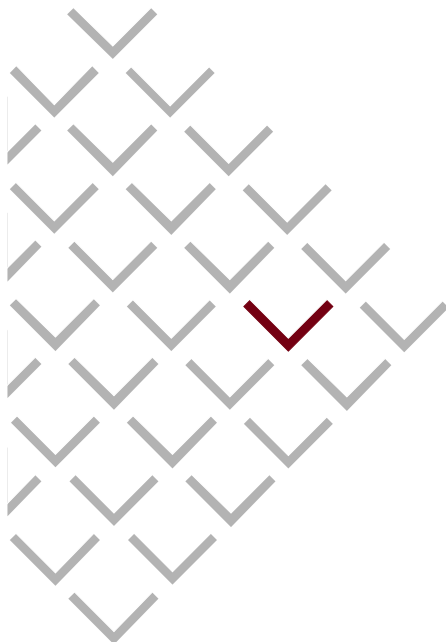


Chemical Abstracts Service
provides access to STN® in North America

STNNotes

FEBRUARY 2009

No. 24 REVISED



Cited References in CAplusSM and CASM

**Expand the
scope of your
scientific
literature
search by
online access
to cited
references
and their
abstracts in
CAplus or
CA on STN®**

In response to customer requests for more detailed information on new and enhanced system features, we have created STNNotes. STNNotes give you the in-depth technical details you need for efficient use of STN. We hope you find this information useful. Please let us know how we can continue to improve in meeting your technical information needs.

You can easily expand and broaden the scope of your scientific literature search by accessing cited references—patents and journals in one database—only in CAplus or CA on STN. Powerful STN search tools let you:

- Obtain CAplus or MEDLINE® records for cited references quickly and easily
- Search the database for patent and non-patent literature citing one or more documents from one or more databases on STN
- Search the database for records related by virtue of having cited the same references
- Analyze cited references for research or competitive analysis trends

Content

Cited references are included for many bibliographic records added to the CAS databases. They include:

- Cited references for journals, conference proceedings, and basic patents from the US, EPO, WIPO, and German patent offices added to the CAS databases from 1997 to the present.
- Patent examiner citations from British and French basic patents (2003 to the present) and Canadian patents (2005 to the present).
- Cited patents for patent records from 1982 to 2008.



Cited references are available for searching and displaying in CAPlus, HCAplus, ZCAplus, CA, HCA, and ZCA. You may also display cited references in CASREACT®, REGISTRY, ZREGISTRY, and MARPAT®.

Displaying cited references

Cited references are displayed in the RE field. If you prefer a table display, use the RETABLE display format. Cited reference information includes the referenced author name (first author or inventor), the title of the referenced work or patent number, referenced publication year, volume number, if available, and first page number.

In addition, the cited reference information is matched with the full bibliographic information for the corresponding record in CAPlus or MEDLINE. If a matched record is found, the name of the referenced database is listed for the cited reference.

Displaying cited references

```
=> FILE CAPLUS

=> S RECOMBINANT (S) ANGIOSTATIN AND REC>0
L1          52 RECOMBINANT (S) ANGIOSTATIN AND REC>0

=> D 34 BIB
L1 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2005 ACS on STN
Full Text
AN 2000:138202 CAPLUS
DN 132:221385
TI Production process for recombinant human
angiostatin in Pichia pastoris
AU Lin, J.; Panigraphy, D.; Trinh, L. B.; Folkman,
J.; Shiloach, J.
CS Department of Surgery, Children's Hospital and
Harvard Medical School, Boston, MA, 02115, USA
SO Journal of Industrial Microbiology & Biotechnology
(2000), 24(1), 31-35
CODEN: JIMBFL; ISSN: 1367-5435
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR
THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D 34 RE
L1 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2005 ACS on STN
RE
(1) Brierley, R; Ann NY Acad Sci 1990, V589, P350
CAPLUS
(2) Brierley, R; WO 9003431 International Patent (PCT)
Application 1989 CAPLUS
(3) Chen, Y; Proc Biochem 1997, V32, P107
(4) Folkman, J; Proc Natl Acad Sci 1979, V76, P5217
MEDLINE
.
.
(18) Weidner, N; New Engl J Med 1991, V324, P1 MEDLINE

=> D 34 RETABLE
L1 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2005 ACS on STN
RETABLE
Referenced |Year | VOL | PG |Referenced Work
|Referenced
Author (RAU) | (RPY) | (RVL) | (RPG) | (RWK) |File
=====+=====+=====+=====+=====+=====
==
Brierley, R |1990 |589 | 350 |Ann NY Acad Sci |CAPLUS
Brierley, R |1989 | | |WO 9003431 |CAPLUS
Chen, Y |1997 |32 | 107 |Proc Biochem
Folkman, J |1979 |76 | 5217 |Proc Natl Acad Sci |MEDLINE
.
.
Tschopp, J |1987 |15 | 3859 |Nucleic Acid Res |CAPLUS
Wagner, L |1997 |11 | 791 |Biotechnol Technique |CAPLUS
Weidner, N |1991 |324 | 1 |New Engl J Med |MEDLINE
```

Search for references on your topic of interest. Use REC>0 to limit to records with cited references.

The BIB display format includes the RE.CNT (Reference Count) field listing the number of cited references.

Display RE to view all cited references as a numbered list.

Display RETABLE to view all cited references in a tabular format.

Displaying documents for cited references

Finding and displaying online document records with abstracts and links to full text for cited references is easy and convenient on STN. In the process of matching the cited reference information with the full bibliographic information for the corresponding record in CAPLUS or MEDLINE, the corresponding accession numbers in those databases are identified. These “referenced” accession numbers allow you to easily display the online document records in CAPLUS or MEDLINE for the matched cited references.

If you are using STN[®] on the WebSM or STN Express[®] with *Discover!*TM, click the hyperlinked database name to view the record for the cited reference in BIB ABS format.

If you are not using STN on the Web or STN Express, enter the DISPLAY command on STN and provide the following information on the DISPLAY command line:

- L-number for the answer set
- Answer number (only one may be specified)
- RAN.CAPLUS(x-y), or RAN.MED(x-y), where (x-y) is the cited reference number, numbers, or range
- Display format for the document display, e.g., BIB ABS

For example, to display CAPLUS records for the cited references 1 and 2 from answer 2 in the answer set L5, enter the following:

```
=> D RAN.CAPLUS(1-2) L5 2 BIB ABS
```

Displaying a document for a cited reference

```
=> D 34 RETABLE
```

```
L1 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2005 ACS on STN
RETABLE
Referenced | Year | VOL | PG | Referenced Work | Referenced
Author (RAU) | (RPY) | (RVL) | (RPG) | (RWK) | File
-----+-----+-----+-----+-----+-----
Brierley, R | 1990 | 589 | 350 | Ann NY Acad Sci | CAPLUS
Brierley, R | 1989 | | | WO 9003431 | CAPLUS
Chen, Y | 1997 | 32 | 107 | Proc Biochem |
Folkman, J | 1979 | 76 | 5217 | Proc Natl Acad Sci | MEDLINE
.
.
.
Tschopp, J | 1987 | 15 | 3859 | Nucleic Acid Res | CAPLUS
Wagner, L | 1997 | 11 | 791 | Biotechnol Technique | CAPLUS
Weidner, N | 1991 | 324 | 1 | New Engl J Med | MEDLINE
```

```
=> D ACC 1990:589771 BIB ABS
```

```
ANSWER 1 CAPLUS COPYRIGHT 2005 ACS on STN
Full Text
AN 1990:589771 CAPLUS
DN 113:189771
TI Growth regimes for high-level production of
recombinant proteins by methylotropic yeasts
IN Brierley, Russell Arthur; Siegel, Robert Steven;
Bussineau, Christopher Michael; Craig, William Scot;
Holtz, Gregory Clyde; Davis, Geneva Ruth;
Buckholz, Richard Gordon; Thill, Gregory Patrick;
Wondrack, Lillian Margaret; et al.
PA Salk Institute Biotechnology/Industrial Associates,
USA
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
-----
PI WO 9003431 A1 19900405 WO 1989-US4164 19890925
.
.
.
AB Heterologous genes expressed from a MeOH-responsive
promoter in a methylotropic yeast are expressed at
higher levels than normal if cultures are grown to
a high cell d. in a medium contg. a high concn. of
a C>1 C-source followed by redn. in concn. of this
C-source and its extensive replacement with MeOH as
C-source. A cDNA for bovine lysozyme c2 was cloned
and put under the control of the Pichia pastoris
alc. oxidase gene (AOX1) promoter to construct
plasmid pSL12A. Transformants of P. pastoris (MeOH-
utilizing or non-utilizing) carrying this plasmid
were then grown in 1 L fermns. using methanol or
```

Display cited references in STN on the Web or STN Express.

Click the name of the referenced database.

The cited reference is displayed in the BIB ABS format.

Searching cited reference information

Each cited reference is numbered and displayed in the RE field.

A cited journal reference:

(7) Blondelle, S; Antimicrob Agents Chemother 1999, V43, P106 CAPLUS

A cited patent reference:

(26) Cooper, B; DE 3604874 A1 1987 CAPLUS

You may search a cited reference as a text string in the/RE field, or as separate pieces of information in their own search fields.

In addition, special search fields were created for searching the referenced accession numbers associated with the cited references that matched records in CAPLUS or MEDLINE.

Searching cited journal references

To search:	Use this search field:	Example
Cited reference text string	/RE	S "BLONDELLE S, 1999, V43, P106, ANTIMICROB AGENTS CHEMOTHER"/RE
Cited reference source (contains year, volume, issue, page, and publication)	/RSO	S (ANTIMICROB AND AGENTS AND 1999 AND 43)/RSO
Referenced author	/RAU	S BLONDELLE S/RAU
Referenced publication year	/RPY	S 1998-1999/RPY
Referenced publication volume	/RVL	S 43/RVL
Referenced publication issue	/RIS	S 2/RIS
Referenced page	/RPG	S 106/RPG
Referenced work title	/RWK	S ANTIMICROB AGENTS CHEMOTHER/RWK

Searching cited patents

To search:	Use this search field:	Example
Referenced patent text string	/RE	S "DE 3604874, 1987, COOPER B"/RE
Referenced patent number	/RPN	S US5389370/RPN
Referenced patent country	/RPC	S DE/RPC
Referenced patent kind	/RPK	S DEA1/RPK
Referenced patent inventor	/RIN (/RAU)	S COOPER B/RIN

Searching referenced accession numbers

To search:	Use this search field:	Example
Records citing the CAPLUS document with the accession number 1995:998201	/RAN.CAPLUS	S 1995:998201/RAN.CAPLUS
Records citing the MEDLINE document with the accession number 96233652	/RAN.MED	S 96233652/RAN.MED
Records citing 1 or more references matching CAPLUS records	/FILE.CIT	S L1 AND CAPLUS/FILE.CIT
Records citing 1 or more references matching MEDLINE records	/FILE.CIT	S L1 AND MEDLINE/FILE.CIT

Searching for literature citing a set of documents

To search for journal and patent documents that have cited a set of articles or patents, use the following steps:

1. Find the articles or patents of interest.
2. Use SELECT CIT to create search terms from the bibliographic information for the records.
3. Search the selected terms in CAPlus.

Use the TRANSFER command for large answer sets. You may also choose to use HCAplus to take advantage of the pricing options in that database.

If you find patent documents and want to search for other documents citing those specific patents, you can use one of the following methods:

- SELECT (or TRANSFER) CIT and search in the /RE field
- or
- SELECT (or TRANSFER) PN and search the selected patent numbers in the /RPN field

SELECT CIT extracts the patent information only for the basic patent.

SELECT PN creates search terms from all the patent numbers in the family.

Searching for literature citing one document

```
=> FILE HCAPLUS
=> S O REILLY M?/AU AND CELL/SO AND 1997/SO
      195 O REILLY M?/AU
      222659 CELL/SO
      694199 1997/SO
L1      1 O REILLY M?/AU AND CELL/SO AND 1997/SO

=> SEL L1 1 CIT
E2 THROUGH E2 ASSIGNED

=> S E2
L2      1454 "OREILLY M S, 1997, V88, P277,?" /RE
      ("OREILLY M, 1997, V88, P277"?/RE)

=> D BIB HIT
L2      ANSWER 1 OF 1454 HCAPLUS COPYRIGHT 2005 ACS on
      STN
AN      2005:39799 HCAPLUS
TI      An analysis of the functional mechanisms of
      endostatin -the anti-angiogenic activity of
      endostatin is mediated by its multiple binding
      ability-
AU      Yamaguchi, Noriko
CS      Department of Molecular Pathology, Division of
      Medical Science, Medical Research Institute,
      Tokyo Medical and Dental University, Tokyo,
      Japan
SO      Connective Tissue (2004), 36(3), 171-178
      CODEN: COTIE7; ISSN: 0916-572X
PB      Japanese Society for Connective Tissue Research
DT      Journal
LA      English
RE.CNT  57 THERE ARE 57 CITED REFERENCES AVAILABLE
      FOR THIS RECORD
      ALL CITATIONS AVAILABLE IN THE RE FORMAT
RE
(38) O'Reilly, M; Cell 1997, V88, P277 HCAPLUS
```

Find the article of interest.

SELECT CIT to create an E-number from the article's bibliographic information.

Search the E-number.

Display BIB HIT to display the bibliographic information and the hit cited reference.

Searching for literature citing a large set of documents

```
=> FILE HCAPLUS
=> S TORREY PINES?/CS AND J/DT AND PY>1994
L1      278 TORREY PINES?/CS AND J/DT AND PY>1994

=> TRANSFER L1 1- CIT
L2      TRANSFER L1 1- CIT :      278 TERMS
L3      3260 L2
```

TRANSFER CIT to find literature and patents in HCAplus citing any of the 278 documents in answer set L1.

Searching for records sharing the same citations

With cited references, you can easily search for related documents, i.e., documents related by virtue of having cited one or more of the same references.

Simply SELECT or TRANSFER a set of cited references (RE) from one or more records. STN will retrieve other records that share the selected cited references.

Searching for records sharing the same citations

Find other documents citing the references in the article on benzimidazole libraries.

```

=> D TI RE

L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS
TI Combinatorial Liquid-Phase Synthesis of
Structurally Diverse
Benzimidazole Libraries
RE
(1) Al-Muhaimeed, H; Int Med Res 1997, V25, P175
CAPLUS
:
:
(38) Yan, B; Acc Chem Res 1998, V31, P621 CAPLUS
(39) Yeh, C; Synlett 1999, V6, P810
(40) Zarrinmayeh, H; Bioorg Med Chem Lett 1999, V9,
P647 CAPLUS

=> TRANSFER
ENTER L# (L1) OR ?:L1
ENTER ANSWER NUMBERS, RANGES (1-), OR ?:1
ENTER DISPLAY FIELDS (TI) OR ?:RE
L2 TRANSFER L1 1 RE : 40 TERMS
L3 2566 L2

=> FOCUS L3
L4 2566 FOCUS L3 1-

=> D TI OCC 1-3

L4 ANSWER 1 OF 2566 CAPLUS COPYRIGHT 2005 ACS
TI Combinatorial Liquid-Phase Synthesis of
Structurally Diverse Benzimidazole
Libraries
FIELD COUNT
RE 40

L4 ANSWER 2 OF 2566 CAPLUS COPYRIGHT 2005 ACS
TI Combinatorial chemistry as a tool for drug
discovery
FIELD COUNT
RE 14

L4 ANSWER 3 OF 2566 CAPLUS COPYRIGHT 2005 ACS
TI High-throughput combinatorial synthesis of
substituted benzimidazolones
FIELD COUNT
RE 12
  
```

Display a record.

TRANSFER RE from this answer. An L-number answer set (L1) is created with 2566 documents sharing any of the cited references in answer 1 from answer set L1.

Use FOCUS to bring to the top papers with the most cited references in common with the original publication.

The original article is listed first. Other articles are sorted from highest to lowest number of cited references in common with the cited references in the original publication.

Analyzing cited references

You can ANALYZE cited reference information, making it possible to conduct sophisticated statistical analysis.

To SELECT or ANALYZE: Use this field:

Cited reference	RE
Cited reference(n)	RE(n)
Cited reference count	RE.CNT (REC)
Referenced author	RAU (RIN)
Referenced work (publication title)	RWK
Referenced patent number	RPN
Referenced patent country	RPC
Referenced patent kind	RPK
Referenced publication year	RPY

You may also SELECT or ANALYZE the accession numbers for the CAPlus or MEDLINE records that matched the cited references.

To SELECT or ANALYZE: Use this field:

Accession numbers referenced in CAPlus	RAN.CAPLUS
Accession number (n) referenced in CAPlus	RAN.CAPLUS(n)
Accession numbers referenced in MEDLINE	RAN.MED
Accession number (n) referenced in MEDLINE	RAN.MED(n)

Analyzing cited references

What are the top references cited in recent publications by Sylvie Blondelle? Find the CAPlus records for those references.

```
=> FILE CAPLUS

=> S BLONDELLE S?/AU AND REC>0
      109 BLONDELLE S?/AU
      4230856 REC>0
L1      40 BLONDELLE S?/AU AND REC>0

=> ANALYZE RAN.CAPLUS L1 1-
L2      ANALYZE L1 1- RAN.CAPLUS :      816 TERMS

=> D TOP5
L2      ANALYZE L1 1- RAN.CAPLUS :      816 TERMS

TERM #      # OCC      # DOC      % DOC RAN.CAPLUS
-----
1          22         22      55.00 1993:145355
2          19         19      47.50 1985:486115
3          15         15      37.50 1992:50922
4          13         13      32.50 1995:228392
5          12         12      30.00 1987:407576

=> SELECT L2 1-3
E1 THROUGH E3 ASSIGNED

=> S E1-E3
      195 "1993:145355"/AN
      507 "1985:486115"/AN
      508 "1992:50922"/AN
L3      962 ("1993:145355"/AN OR "1985:486115"/AN OR
      "1992:50922"/AN)

=> D TI 1-3

L3 ANSWER 1 OF 962 CAPLUS COPYRIGHT 2005 ACS on STN
TI Design of bioactive and structurally well-defined
peptides from conformationally restricted
libraries

L3 ANSWER 2 OF 962 CAPLUS COPYRIGHT 2005 ACS on STN
TI Applying Combinatorial Chemistry and Biology to
Food Research

L3 ANSWER 3 OF 962 CAPLUS COPYRIGHT 2005 ACS on STN
TI High-throughput solid phase parallel synthesis of
peptides in 96-well format
```

Search for references.

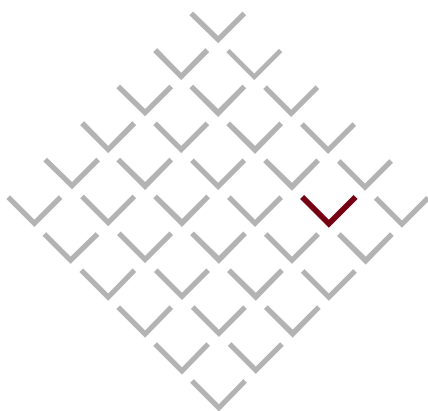
ANALYZE accession numbers referenced in CAPlus (RAN.CAPLUS).

DISPLAY the top 5 accession numbers referenced in CAPlus.

SELECT the top 3 accession numbers referenced in CAPlus.

Search the referenced accession numbers in CAPlus.

Display the CAPlus records.



For more information

For more information on searching and displaying cited references in *CAplus* or *CA*, refer to the *CAplus/CA Database Summary Sheets* available at:

www.cas.org/support/stngen/dbss/

Enter *HELP DIRECTORY* at an arrow prompt in each database to see a list of online help messages for the database.

For Web access to *STNotes*, visit:

www.cas.org/support/stngen/stnotes/