ANABSTR (Analytical Abstracts)

Subject Coverage

- Applied and industrial analysis
- Chromatography and electrophoresis
- Clinical and biochemical analysis
- Environment, agriculture, and food
- General analytical chemistry
- Inorganic and organic analysis
- Pharmaceutical analysis
- Spectroscopy and radiochemical methods

File Type

Bibliographic

Features

Alerts (SDIs)	Weekly		
CAS Registry Number® Identifiers	☑	Page Images	☐
Keep & Share	☑	SLART	☑
Learning Database	☐	Structures	☐

Record Content

- Bibliographic information, abstracts (since 1984), names and CAS Registry Numbers of chemical substances, as well as index terms.
- With the help of those index terms the identified elements and compounds (Analyte), the analysed media (Matrix) or the applied analytical methods (Concepts) can be searched.

File Size

- 502,416 citations (09/2020)

Coverage

1980-present

Updates

Updated weekly

Language

English

Database Producer

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Sources

- Journals
- Books
- Conference proceedings
- Technical Reports
- Standards

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Cluster

- ALLBIB
- AUTHORS
- BIOSCIENCE
- CASRNS
- CHEMISTRY
- CORPSOURCE

STN Database Cluster information:
http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), abstract (AB), and chemical name and index term (IT) fields, as well as CAS Registry Numbers (RN))	None or /BI	S BIENZYMIC ELECTRODE# S CHROMATOG?(A)GAS S ELECTROPHORE?(L)REVIEW S 14798-03-9 S 50-00-0A **(1)** S 50-36-2M **(2)** S ?SPECTR?	TI, AB, IT
Accession Number	/AN	S "51(5):A1"/AN S 5105A001/AN	AN
Author (editor)	/AU	S BRIDGER, N?/AU	AU
Chemical Name	/CN	S DOPA?/CN	IT
Chemical Name, Analyte **(3)**	/CNA	S GOLD/CNA	IT
Chemical Name, Matrix **(3)**	/CNM	S MINERALS?/CNM	IT
Classification Code (code, main code and text) **(4)**	/CC	S (BIOCHEMISTRY OR BIOCHEMICAL)/CC S *F/CC	CC
Controlled Term (Concepts)	/CT	S AUTOMATED ANALYSIS/CT	IT
Corporate Source	/CS	S (FOOD AND RES?)/CS	AU
Document Type (code and text)	/DT (or /TC)	S BOOK/DT	DT
Entry Date **(5)**	/ED (or /UP)	S ED>JAN 2007	not displayed
Journal Title	/JT	S RAPID COMMUN?/JT	SO
Language (code and text)	/LA	S (EN OR DE)/LA	LA
Meeting Year **(5)**	/MY	S 1987/MY	SO
Number of Report (number and prefix)	/NR	S BARC-1005/NR	NR, SO
Publication Year **(5)**	/PY	S 1988-1990/PY	SO
Source (contains CODEN, journal title, IBSN, ISSN, publisher, meeting information, number of report)	/SO	S (ANAL?(W)SCI?)/SO S ILBYA6/SO S 0951-4198/SO	SO
Title	/TI	S RIMS/TI	TI

(1) To search for the CAS Registry Number as the Analyte, append A to the Registry Number.
(3) Expand may not be used with this field.
(2) To search for the CAS Registry Number as the Matrix, append M to the Registry Number.
(4) New classification codes used for citations since 1991.
(5) Numeric search field that may be searched with numeric operators or ranges.

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for searching in the basic index. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
AB AN AU CC DT (TC) IT LA NR SO TI	Abstract Accession Number Author (format includes CS) Classification Code Document Type Index Term (incl. chemical names and CAS Registry Numbers for Analyte(s), and Matrix and Concepts) Language Number of Report Source (format includes NR) Title	D TI AB D 1-5 AN D AU TI D CC D DT D IT D LA D NR D SO D TI 1-10
ALL BIB IND SCAN **(1)** TRIAL (TRI, SAM, SAMPLE, FREE)	AN, TI, AU, NR, SO, DT, LA, AB, CC, IT AN, TI, AU, NR, SO, DT, LA (BIB is the default) AN, CC, IT TI, IT (random display without answer numbers) TI, CC, IT	D 1-3 ALL D 8 BIB D 2-3 IND D L7 1-2 TRI
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y **(2)**	N
Accession Number	AN	Y **(3)**	N
Author	AU	Y	Y
CAS Registry Number	RN	Y **(2)**	N
Chemical Name	CN	Y **(2)**	N
Chemical Names and CAS Registry Numbers	CHEM	Y **(2)**	N
Citation	CIT	Y **(3,4)**	N
Classification Code	CC	Y **(3)**	Y
CODEN	CODEN	N	Y
Controlled Term (Concept)	CT	Y **(2)**	N
Corporate Source	CS	Y	N
Document Type	DT (TC)	Y **(3)**	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y **(3)**	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Language	LA	Y **(3)**	Y
Number of Report	NR	Y **(3)**	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Year	PY	Y **(3)**	Y
Source	SO	Y **(3,5)**	N
Title	TI	Y (default)	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT AU.
(2) Appends /BI to the terms created by SELECT.
(3) SELECT HIT or ANALYZE HIT are not valid with this field.
(4) SELECT CIT allows you to extract the reference data from the source documents in this file and have them automatically converted to a citation format for searching in the SCISEARCH file. SEL CIT selects first author, publication year, volume, first page, and a truncation symbol with /RE appended.
(5) Selects CODEN, ISBN, and ISSN with /SO appended to the terms created by SELECT.

Sample Records

DISPLAY BIB OF REPORT

```
AN   59(11):H255  ANABSTR
TI   Methods of test for meat and meat products. Part 16. Determination
     of chloride content (potentiometric method).
AU   British Standards Institution (389 Chiswick High Road, London W4
     4AL, UK)
NR   BS 4401:Part 16:1996 (ISO 1841-2:1996)
SO   British Standard (1996), Pp. 10
DT   Report
LA   English
```

DISPLAY ALL OF JOURNAL

```
AN   59(12):H332  ANABSTR
TI   Potentiometric stripping analysis of lead in vinegars: development
     of a method.
AU   Suturovic, Z. J.; Marjanovic, N. J.; Dostanic, N. M. (Dept. Applied
     Chem., Fac Technol., Univ. Novi Sad, 21000 Novi Sad, Yugoslavia)
SO   Nahrung (1997) 41(2), 111-113
     CODEN: NAHRAR    ISSN: 0027-769X
DT   Journal
LA   English
AB   A 15 ml sample of 9% alcohol or 4% wine or cider vinegar was
     electrolysed at a Hg-film electrode (prep. described) at .minus.0.95
     V vs. Ag/AgCl (3.5M-KCl) for 10 min with stirring at 4000 rpm, and,
     after quiescence for 15 s, the potential was monitored and the time
     for reoxidation of the deposited Pb by dissolved O2 was measured. Pb
     was determined by the method of two standard additions. The
     detection limit was 0.5 .mu.g/l, recoveries were 88.5-98.2%, and the
     average RSD (n = 5) at 4.5-84.2 .mu.g/l of Pb was .appreq.7.2%. The
     application of a reduction current of 1.2-1.6 .mu.A permitted the
     deposition time to be shortened to 3 min without loss of accuracy or
     precision.
CC   *H Environment, Agriculture and Food          (89000)
IT   Analyte(s):
       7439-92-1, lead
```

ANABSTR

```
     (detmn. of, in vinegar, by stripping potentiometry)
     Matrix:
       vinegar
     (detmn. of lead in, by stripping potentiometry)
     Concepts:
       potentiometry, stripping
     (in food analysis)
```

DISPLAY TRIAL

```
TI  Potentiometric Water Analysis. (Second Ed)
CC  *H Environment, Agriculture and Food          (20090)
     A General Analytical Chemistry
IT  Matrix:
      waters, natural; waters, potable
    (analysis of, potentiometric)
    Concepts:
      potentiometry
    (in water analysis)
```

DISPLAY IND

```
AN  53(11):H181  ANABSTR
CC  *H Environment, Agriculture and Food          (86000)
     G Pharmaceutical Analysis including drugs in biological fluids
IT  Analyte(s):
      113-98-4, penicillin, benzyl-, potassium
    (detmn. of, in milk, by ELISA)
    Matrix:
      milk
    (detmn. of benzylpenicillin potassium in, by ELISA)
```

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