

ANABSTR (ANalytical ABSTRacts) is a bibliographic database covering the worldwide literature on analytical chemistry. Citations contain 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.

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

SOURCES

- Journals
- Books
- Conference Proceedings
- Technical reports
- Standards

FILE DATA

- 1980 to present (04/08): 396,881 citations
- Updated weekly
- Automatic current-awareness searches (SDIs) are run weekly

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USER AIDS

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

SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
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)) 1)	None or /BI	S BIENZYMIC ELECTRODE# S CHROMATOG?(A)GAS S ELECTROPHORE?(L)REVIEW S 14798-03-9 S 50-00-0A 2) S 50-36-2M 3) 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
Classification Code (code, main code and text) 4)	/CC	S (BIOCHEMISTRY OR BIOCHEMICAL)/CC S *F/CC	CC
Chemical Name 1)	/CN	S DOPA?/CN	IT
Chemical Name, Analyte 5)	/CNA	S GOLD/CNA	IT
Chemical Name, Matrix 5)	/CNM	S MINERALS?/CNM	IT
Corporate Source	/CS	S (FOOD AND RES?)/CS	AU
Controlled Term (Concepts)	/CT	S AUTOMATED ANALYSIS/CT	IT
Document Type (code and text)	/DT (/TC)	S BOOK/DT	DT
Entry Date 6)	/ED (/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 6)	/MY	S 1987/MY	SO
Number of Report (number and prefix)	/NR	S A-751-88A/NR S A75188A/NR	NR, SO
Publication Year 6)	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) In addition to right truncation, simultaneous left and right truncation are available in this field. At least 4 characters need to be used for the length of the stem.
- 2) To search for the CAS Registry Number as the Analyte, append A to the Registry Number.
- 3) 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) Expand may not be used with this field.
- 6) Numeric search field that may be searched with numeric operators or ranges.

DISPLAY AND PRINT FORMATS

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, 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 in order to use the HIT, KWIC, and OCC formats.

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the ANABSTR database:

HELP DFIELDS	-	lists all valid custom formats
HELP EFIELDS	-	lists all selectable fields
HELP FORMATS	-	lists valid predefined formats
HELP SRTFIELDS	-	lists valid sort fields

DISPLAY AND PRINT FORMATS

Format	Definition	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 TRIAL (TRI)	AN, TI, AU, NR, SO, DT, LA, AB, CC, IT AN, TI, AU, NR, SO, DT, LA (BIB is default) AN, CC, IT TI, CC, IT	D 1-3 ALL D 8 BIB D 8 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

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) 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 alphanumeric (A) or numeric (N) order of the specified field(s).

Definition	Code	Analyze/ Select 1)	Sort
Abstract	AB	X 2)	-
Accession Number	AN	X 3)	-
Author	AU	X	A
Classification Code	CC	X 3)	A
Chemical Names and CAS Registry Numbers	CHEM	X 2)	-
Citation	CIT	X 3,4)	-
Chemical Name	CN	X 2)	-
CODEN	CODEN	-	A
Corporate Source	CS	X	-
Controlled Term (Concept)	CT	X 2)	-
Document Type	DT (TC)	X 3)	A
International Standard Book Number	ISBN	-	A
International Standard Serial Number	ISSN	-	A
Journal Title	JT	X 3)	A

- 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.

SELECT, ANALYZE, AND SORT CODES (continued)

Definition	Code	Analyze/ Select 1)	Sort
Language	LA	X 3)	A
Number of Report	NR	X 3)	A
Occurrence Count of Hit Terms	OCC	-	N
Publication Year	PY	X 3)	N
CAS Registry Number	RN	X 2)	-
Source	SO	X 3,5)	-
Title	TI	X (default)	A

- 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 TI.
- 2) Appends /BI to the terms created by SELECT.
- 3) SELECT HIT or ANALYZE HIT are not valid with this field.
- 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
 (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)