

FROSTI (Foodline®: Science)

Subject Coverage	<ul style="list-style-type: none"> • Analytical methods • Basic food science • Bakery and cereal products • Beverages and soft drinks • Biotechnology • Catering • Chocolate and confectionery products • Dairy products • Fats and oils • Food additives and ingredients • Food processing and engineering • Food hygiene 	<ul style="list-style-type: none"> • Food microbiology • Food packaging • Fresh produce • Frozen, chilled and ambient foods • Fruits, vegetables and nuts • Functional foods and beverages • Legislation • Meat, fish, and poultry • Nutrition • Pet foods • Retailing
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File Type Bibliographic

Features	Thesaurus	Controlled Term (/CT)		
	Alerts (SDIs)	Weekly		
	CAS Registry Numbers®	<input type="checkbox"/>	Page Images	<input type="checkbox"/>
	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>
	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>
			STN AnaVist	<input type="checkbox"/>
			STN Easy	<input checked="" type="checkbox"/>
			STN Viewer	<input type="checkbox"/>

Record Content

- Bibliographic information, indexing terms, and abstracts

File Size

- More than 741,407 records (03/2011)

Coverage 1972-present

Updates Twice a week

Language English

Database Producer The Leatherhead Food Research Association
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- Sources**
- Books
 - Conferences
 - Government Documents
 - Journals
 - Patents
 - Reports
 - Standards
-

- User Aids**
- FROSTI-Thesaurus (online and *printed)
 - Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
- * available at producer and online
-

- Clusters**
- ALLBIB
 - AUTHORS
 - AGRICULTURE
 - BIOSCIENCE
 - ENVIRONMENT
 - FOOD
 - HEALTH
 - TOXICOLOGY
- [STN Database Clusters](#) information (PDF)
-

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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), controlled term (CT) and subject heading (SH) fields) (1)	None or /BI	S EVALUATION AND FOOD S PEANUT? AND BUTTER S SALMONELLA S ?ASSAY?	AB, CT, SH, TI
Accession Number Application Date (2)	/AN /AD	S 418974/AN S 19960101-19960131/AD S Jan 1996/AD	AU, SO AN
Application Year (2)	/AY	S 1996-1977/AY	AI
Author (includes inventors and corporate authors)	/AU	S ANDERSON, G H/AU S INTERNATIONAL DAIRY FEDERATION/AU	AU, IN, SO
Controlled Term	/CT	S OIL EMULSIONS/CT	CT
Controlled Word	/CW	S SALAD DRESSINGS/CW	CT
Cross Reference	/CR	S FLEISCHEREI/CR	CR
Data Entry Date (2)	/DED	S DED>JAN 1997	DED
Designated State (4) (WIPO code and text)	/DS	S AT/DS S AUSTRIA/DS	DS
Document Type (code and text)	/DT (or /TC)	S JOURNAL/DT S P/DT	DT
Entry Date (2)	/ED (or /UP)	S ED>19981100	ED
International Standard (Document) Number	/ISN	S 1-56081-933-2/ISN S 1040-9254/ISN	SO, ISN
Inventor	/IN (or /AU)	S MACDONALD, I A/IN	IN
Journal Title	/JT	S JOURNAL OF FOOD SCIENCE/JT	JT, SO
Language (ISO code and text)	/LA	S GERMAN/LA S EN/LA	LA
Note (5)	/NTE	S SYMPOSIUM GENETIC ENGINEERING/NTE	NTE
Patent Assignee (5)	/PA (or /CS)	S BASF AG/PA	PA
Patent Country (WIPO code and text)	/PC	S US/PC S UNITED STATES/PC	PI
Patent Kind Code	/PK	S EPA1/PK	PI
Patent Number (6)	/PN (or /PATS)	S EP689473/PN S EP0689473/PN S EP-689473/PN	PI
Priority Country (WIPO code and text)	/PRC	S FR/PRC S FRANCE/PRC	PRAI
Priority Date (2)	/PRD	S PRD=25 APR 1997 S 25 APR 1997/PRD	PRAI
Priority Year (2)	/PRY	S 1997/PRY	PRAI
Publication Date (2,7)	/PD	S PD>DEC 1997	PI
Publication Year	/PY	S PY=1997	PI, PY, SO
Publisher (5)	/PB	S CRC PRESS/PB	PB, SO
Source (contains journal titles and other higher level titles, publisher and place of publication, collation, ISSN, and ISBN, and publication year)	/SO	S FLAT BREAD TECHNOLOGY/SO S (LEATHERHEAD AND 1997)/SO	SO
Subject Heading	/SH	S CEREAL PRODUCTS/SH	SH
Summary Language (ISO code and text)	/SL	S ENGLISH/SL AND DE/LA	SL
Title (8)	/TI	S LOW CHOLESTEROL EGGS/TI	TI

FROSTI**General Search Fields (cont'd)**

- (1) In addition to right truncation, left and simultaneous left and right truncation are available in this field. The minimum length of the stem to be entered is 4 characters.
- (2) Numeric search field that may be searched with numeric operators or ranges.
- (3) An online thesaurus is available for this field.
- (4) Data available only until 1997.
- (5) Search with implied (S) proximity is available.
- (6) Either in STN or Derwent Format.
- (7) Available for patents only.
- (8) Titles of higher level (e.g. title of book in a record of a book article) are searchable in /SO.

Super Search Fields (1)

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Patent Countries (WIPO codes and text)	/PCS	/PC, /DS	S GB/PCS	PI, DS

- (1) Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Controlled Term (/CT) Thesaurus

Code	Content	Examples
ALL	All Associated Terms (BT, SELF, NOTE, USE, UF, NT, RT)	S AROMATIC COMPOUNDS+ALL/CT
AUTO	Automatic Relationship (SELF, USE, UF)	E POULTRY PRODUCTS+ALL/CT
BT	Broader Term (BT, SELF)	S REDUCED FAT FOODS+AUTO/CT
HIE	Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E ALMOND OIL+BT/CT
NOTE	Term with Scope Note	E SEAFOODS+HIE/CT
NT	Narrower Terms (SELF, NT)	E CARAMELS+NOTE/CT
RT	Related Terms (SELF, RT)	S BAKERY PRODUCTS+NT/CT
UF	Preferred and Forbidden Terms (SELF,UF)	S SOFT DRINKS+RT/CT
USE	Forbidden and Preferred Terms (SELF,USE)	S SKIMMED MILK+UF/CT
		S SPIRITS INDUSTRY+USE/CT

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 all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
AB AI AN AU CR CT DED DS DT (TC) ED (UP) (1) IN (AU) ISN (1) JT (1) LA NTE PA (CS) PB (1) PI (PN, PATS) (2) PRAI PY (1) SH SL SO TI	Abstract Application Information Accession Number Author (or Inventor) Cross Reference Controlled Term Data Entry Date Designated State Document Type (Title Annotations) Document Type Inventor International Standard (Document) Number Journal Title Language Note Patent Assignee Publisher Patent Information Priority Information Publication Year Subject Heading Summary Language Source Title	D AB, TI D AI D 1-5 AN D AU 5 6 8-10 D CR SO D CT, TI D DED D DS D DT, SO D DT 1-4 D IN D ISN D JT D LA, TI D NTE D PA D PB D PI D PRAI, SO D PY D SH D SL D SO TI D TI
ABS ALL (2) DALL (2) IALL (2) BIB (2) IBIB (2) IND SCAN (3) TRIAL (TRI, SAM, FREE)	AN, AB AN, TI, AU, SO, NTE, DT, LA, SL, AB, CR, SH, CT, DED for patents: AN, TI, IN, PA, SO, PI, DS, AI, PRAI, NTE, DT, LA, SL, AB, SH, CT, DED ALL, delimited for post processing ALL, indented with text labels AN, TI, AU, SO, NTE, DT, LA, SL (BIB is the default) for patents: AN, TI, IN, PA, SO, PI, DS, AI, PRAI, NTE, DT, LA, SL (BIB is the default) BIB, indented with text labels AN, SH, CT TI, CT (random display without answer numbers) TI, SH, CT	D ABS D ALL D DALL D IALL D BIB 1-10 D IBIB D IND D SCAN D TRI 1-10
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) Custom display only.

(2) Patent numbers are available in Derwent and STN format. The format for DISPLAY, PRINT, SELECT, ANALYZE, and SORT is controlled by the SET PATENT command. The STN format is default. Enter SET PATENT DERWENT to change permanently to the Derwent format. To change back to the STN format, enter SET PATENT STN.

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

FROSTI**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
Application Date	AD	Y	Y
Accession Number	AN	Y	N
Author	AU	Y	Y
Application Year	AY	Y	Y
Classification Code	CC	Y	Y
Citation	CIT	Y (3,4)	N
Cross Reference	CR	Y	N
Controlled Term	CT	Y	N
Data Entry Date	DED	Y	Y
Designated State	DS	Y	N
Document Type	DT (TC)	Y	Y
Entry Date	ED (UP)	Y	N
Inventor	IN (AU)	Y	Y
International Standard (Document) Number	ISN	Y (5)	Y
Journal Title	JT	Y	Y
Language	LA	Y	Y
Note	NTE	Y	Y
Patent Assignee	PA (CS)	Y	Y
Publisher	PB	Y	Y
Patent Country	PC	Y	Y
Publication Date	PD	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PN (PATS, PI)	Y	Y
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Year	PRY	Y	Y
Publication Year	PY	Y	Y
Subject Heading	SH	Y	Y
Summary Language	SL	Y	Y
Source	SO	Y (6)	Y
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 TI.

(2) Appends /BI to the terms created by SELECT.

(3) SELECT or ANALYZE CIT allows you to extract the reference from the source documents in this file and have them automatically converted to a citation format for searching in the SCISEARCH file. SEL or ANALYZE CIT extracts first author, publication year, volume, first page, with a truncation symbol and with /RE appended to the terms created by SELECT.

(4) SELECT or ANALYZE HIT are not valid with this field.

(5) Selects or analyzes ISSN or ISBN with /ISN appended to the terms created by SELECT.

(6) Selects or analyzes ISSN or ISBN with /SO appended to the terms created by SELECT.

Sample Records

DISPLAY BIB OF PATENT (STN FORMAT)

AN 805467 FROSTI
TI Method for determining the fatty acid profile of milk by infrared spectroscopy.
IN Chesneau G.
PA Valorex
SO United States Patent
PI US-----7803625 B2 20100928
WO--2007141416 20071213
AI 20070601
PRAI France 20060607
NTE 20100928
DT Patent
LA English
SL English

DISPLAY ALL OF JOURNAL

AN 798160 FROSTI
TI Determination of deoxynivalenol-sulfonate (DONS) in cereals by hydrophilic interaction chromatography coupled to tandem mass spectrometry.
AU Beyer M.; Danicke S.; Rohweder D.; Humpf H.-U.
SO Mycotoxin Research, 2010, (May), 26 (2), 109-117
ISSN: 0178-7888
DT Journal
LA English
SL English
AB Cereals can be contaminated with Fusarium mycotoxins, such as deoxynivalenol (DON), which, when ingested as animal feed by production animals, can result in adverse effects in the animal and reduced yield. Treatment of contaminated animal feed with sodium bisulfite can result in conversion of deoxynivalenol to deoxynivalenol-sulfonate (DONS). A method for the determination of deoxynivalenol-sulfonate, using hydrophilic interaction chromatography coupled to tandem mass spectrometry, was developed in this study. Wheat contaminated with deoxynivalenol was treated with sodium bisulfite and stored for up to 36 days. At several points during this storage period samples of the wheat were analysed for DON and deoxynivalenol-sulfonate using stable isotope labelled standards.
SH CONTAMINATION
CT CEREALS; DECONTAMINATION; DEOXYNIVALENOL; FEEDS; MYCOTOXINS; REACTION PRODUCTS; SODIUM BISULFITE; TOXINS; WHEAT
DED 24 Jun 2010

DISPLAY BIB OF BOOK ARTICLE

AN 801886 FROSTI
TI Kiwifruit and health.
AU Hunter D.C.; Skinner M.A.; Ferguson A.R.; Stevenson L.M.
SO Bioactive foods in promoting health - fruit and vegetables., Published by: Elsevier, 2010, 565-580 (116 ref.)
Watson R.R.; Preedy V.R.
ISBN: 978-0-12-374628-3
DT Book Article
LA English

FROSTI**DISPLAY TRIAL**

TI Restructured fruit and vegetable products and processing methods.
 SH FRUIT AND VEGETABLE PRODUCTS
 CT APPLICATIONS; DRYING; EXTRUSION; FRUIT PRODUCTS; PATENT; PROCESSING;
 RESTRUCTURED FOODS; RESTRUCTURING; US PATENT; VALUE ADDED FOODS;
 VEGETABLE PRODUCTS

EXPAND IN /CT THESAURUS

=> **E AROMATIC COMPOUNDS+ALL /CT**

E1 1303 BT1 ORGANIC COMPOUNDS/CT
 E2 5028 --> AROMATIC COMPOUNDS/CT
 E3 106 NT1 AROMATIC AMINES/CT
 E4 415 NT1 AROMATIC HYDROCARBONS/CT
 E5 130 NT2 BENZENE/CT
 E6 5057 NT1 FLAVONOIDS/CT
 E7 117 NT2 ANTHOCYANIDINS/CT
 E8 2028 NT2 ANTHOCYANINS/CT
 E9 155 NT2 BETANIN/CT
 E10 67 NT2 BIOFLAVONOIDS/CT
 E11 261 NT2 FLAVANOLS/CT
 E12 139 NT2 FLAVANONES/CT
 E13 263 NT2 FLAVONES/CT
 E14 413 NT2 FLAVONOLS/CT
 E15 192 NT2 NARINGIN/CT
 E16 487 NT1 PAH/CT
 E17 4768 NT1 PHENOLS/CT
 E18 528 NT2 CHLOROGENIC ACID/CT
 E19 379 NT2 FERULIC ACID/CT
 E20 126 NT2 HYDROXYCINNAMIC ACID/CT
 E21 2732 NT2 POLYPHENOLS/CT
 E22 992 NT2 TANNINS/CT

***** END *****

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