TEMA® (Technology and Management)

Subject Coverage	• Aerospace • Automotive research • Ceramics and plastics • Civil engineering • Electrical engineering and electronics • Energy • Information technology • Instrumentation • Machinery and plants	• Management and organization • Manufacturing • Materials, metals, paints • Mechanical engineering • Medical engineering • Mining • Textile engineering • Transportation

File Type Bibliographic

Features

Thesaurus	None			
Alerts (SDIs)	Monthly			
CAS Registry Number® Identifiers	☐	Page Images ☐	STN® AnaVist™	☐
Keep & Share	☑	SLART ☑	STN Easy®	☐
Learning Database	☐	Structures ☐		

Record Content • Bibliographic information, indexing, and an abstract, either in German, or English, partly also in both languages.

File Size • More than 5.6 million records (07/2017)

Coverage 1968-present

Updates Monthly

Language English, German

Database Producer
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Sources	• Reports • Conferences • Journals • Dissertations	• Patents • Standards • Translations • Books
User Aids	• Fachordnung Technik (2006), German * • Thesaurus Technik und Management (Ausgabe 2003/2004), German/English * • Online Helps (HELP DIRECTORY lists all help messages available) • STNGUIDE * available from producer	
Clusters	• AEROTECH • ALLBIB • AUTHORS • COMPUTER • CONSTRUCTION • CORPSOURCE • ELECTRICAL • ENGINEERING • MATERIALS • METALS STN Database Clusters information (PDF)	
Pricing	Enter HELP COST at an arrow prompt.	

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 abstract (AB), controlled term (CT), title (TI), and uncontrolled term (UT) fields)	None or /BI	S ORGANISATIONSSTRUKTUREN(L) AUFTRAG? S MAPPING ALGORITHM# S SAFETY REGULATIONS S ?FILTRATION?	AB, CT, TI UT
Accession Number	/AN	S 20030100009/AN S C90000005UDK/AN	AN
Author	/AU	S MAN C H/AU S MAN, C H/AU	AU
Controlled Term	/CT	S SAFETY-REGULATIONS/CT	CT
Controlled Word	/CW	S (CIRCULAR(S)KNIT?)/CW	CT
Corporate Source **(1)**	/CS	S MAN DIESEL AUGSBURG/CS	CS
Document Type (code and text)	/DT (or /TC)	S BOOK/DT S B/DT	DT
Entry Date **(2)**	/ED (or /UP)	S ED=FEB 2003	ED
International Standard (Document) Number (contains ISSN and ISBN)	/ISN	S 3-00-000421-1/ISN S 1090-8471/ISN	ISN, SO
Journal Title (contains full and abbreviated journal titles)	/JT	S JOURNAL OF ADHESION/JT S J OF ADHES/JT	JT, JTA, JTF, SO
Language (ISO code and text)	/LA	S L1 AND FRENCH/LA S FR/LA	LA
Note	/NTE	S MERKBLATT DVS/NTE	NTE
Publication Year **(2)**	/PY	S 1998-1999/PY	PY, SO
Publisher **(1)**	/PB	S SPRINGER BERLIN/PB	PB, SO
Reference Count	/REC (or /REC.CNT)	S MAIER A/AU AND REC>10	REC, SO
Source (contains journal titles, and other higher level titles, serial titles, ISSN, ISBN, publisher, URLs, and pagination)	/SO	S (ROENTGENSTRAHLEN AND 2001)/SO S 1438 9029/SO S DAS ECHO/SO	SO
Supplementary Term	/ST	S ANLAGENBAU/ST	ST
Title	/TI	S ROUTE PLANNING/TI	TI
Word Count, Title **(2)**	/WC.T	S CA/DT AND WC.T<10	WC.T

(1) Search with implied (S) proximity is available in this field.
(2) Numeric search field that may be searched using 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 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	Abstract	D AB
AN	Accession Number	D AN
AU	Author	D AU TI
CS	Corporate Source	D CS
CT	Controlled Term	D CT
DT (TC)	Document Type	D DT
ISN **(1)**	International Standard (Document) Number	D ISN
JT **(1)**	Journal Title	D JT
JTA **(1)**	Journal Title, Abbreviated	D JTA
JTF **(1)**	Journal Title, Full	D JTF
LA	Language	D LA
NTE	Note	D NT
PB **(1)**	Publisher	D PB
PY **(1)**	Publication Year	D PY
REC (REC.CNT) **(1)**	Reference Count	D REC
SO	Source	D SO
ST	Supplementary Term	D ST
TI	Title	D TI
UP (ED) **(1)**	Update Date	D UP
UT	Uncontrolled Term	D UT
WC.T **(1)**	Word Count, Title	D WC.T
ABS	AN, AB	D ABS
ALL	AN, TI, AU, CS, SO, DT, LA, NTE, AB, CT, ST, UT	D ALL
DALL	ALL, with delimiter for post processing	D DALL
IALL	ALL, indented with text labels	D IALL
BIB (STD)	AN, TI, AU, CS, SO, DT, LA, NTE (BIB is default)	D BIB
IBIB	BIB, indented with text labels	D IBIB
IND	AN, CT, ST, UT	D IND
SCAN **(2)**	TI, CT (random display without answer numbers)	D SCAN
TRIAL (TRI, SAMPLE, SAM, FREE)	AN, TI, CT	D TRIAL
HIT	Hit term(s) and field(s)	D HIT
KWIC	Up to 50 words before and after hit term(s) (KeyWord-In-Context)	D KWIC
OCC	Number of occurrences of hit term(s) and field(s) in which they occur	D OCC

(1) Custom display only.
(2) 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	N
Author	AU	Y	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Citation	CIT	Y **(3,4)**	N
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Document Type	DT (TC)	Y	N
Entry Date	ED (UP)	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y **(5)**	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y	Y
Journal Title, Full	JTF	Y	Y
Language	LA	Y	Y
Note	NTE	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Year	PY	Y	Y
Publisher	PB	Y	Y
Reference Count	REC (RE.CNT)	Y	Y
Source	SO	Y **(6)**	Y
Supplementary Term	ST	Y	Y
Title	TI	Y (default)	Y
Uncontrolled Term	UT	Y **(2,4)**	Y
Update Date	UP (ED)	Y	Y
Word Count, Title	WC.T	Y **(4)**	Y

(1) Hit may be used to restrict extracted terms 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 HIT or ANALYZE HIT is not valid with this field.

(5) Selects ISBN and ISN with /SO appended to the terms created by SELECT.

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

Sample Records

DISPLAY ALL OF JOURNAL

```
AN    20100504342    TEMA
TI    Investorendialog im Umbruch. Veraenderte Anforderungen im Umgang mit
      Aktionaeren
AU    Rosen, Ruediger von
CS    Deutsches Aktieninstitut, Frankfurt am Main, DE
SO    Controlling,
      2010, v. 22 (4/5 Neue Anforderungen an den Controller), p250-255,
      6pp,4fig.,4ref.
      Published by: Muenchen: C.H. Beck (http://www.beck.de)
      ISSN: 0935-0381
DT    Journal
LA    German
AB    Das Auftreten Aktiver Aktionaere, die ihre Vorstellungen zur kuenftigen
      Strategie boersennotierter Gesellschaften dezidiert der
      Unternehmensleitung vortragen, hat die Anforderungen an die Investor
      Relations boersennotierter Unternehmen deutlich veraendert. Unternehmen
      muessen sich auf einen ressourcenintensiven Dialog mit dieser Gruppe von
      Anlegern einstellen. Im Gegensatz hierzu ist die Kommunikation mit
      Privataktionaeren aufgrund groesserer Heterogenitaet weniger komplex. Die
      Anforderung an die Investor Relations besteht hier darin, Innovationen im
```

         Bereich der Kommunikationstechnologien permanent zu sondieren und fuer die
         IR-Arbeit nutzbar zu machen.
AB   Activist shareholders who hold relatively small stakes, but nevertheless
         bring forward firm opinions on corporate policy, challenge the investor
         relations policy of listed companies. The dialogue with active
         shareholders can be very demanding and is resource-intensive. To
         communicate with retail investors is, to the contrary, far less complex.
         However, innovations in information technology and their potential
         appliance to the dialogue with retail investors are a perpetual challenge
         for the investor relations policy.
CT   LISTED-COMPANY; FINANCIAL-INVESTMENTS; ASSOCIATE:MEMBER-OF-A-COMPANY;
         INVESTMENTS:GENERAL; COMMUNICATION:GENERAL; COMMUNICATION-TECHNIQUE
ST   Aktionaer, Investor, Kommunikation, Investor Relations
UT   INVESTOR RELATION; AKTIONAER

DISPLAY BIB OF BOOK

AN   20100601242   TEMA
TI   On a combination of feedforward and feedback control for mechatronic
         systems
         Ueber eine Kombination von Steuerung und Zustandsrueckfuehrung zur
         Stabilisierung mechatronischer Systeme
AU   Stadlmayr, Richard
CS   Universitaet Linz, AT
SO   Modellierung und Regelung komplexer dynamischer Systeme,
         2009, v. 6, p1-109, 109pp,xfig.,71ref.
         Published by: Aachen: Shaker (http://www.shaker.de)
         ISSN: 1866-2242
         ISBN: 978-3-8322-8065-9
DT   Book; Dissertation
LA   English