

CIVILENG (Civil Engineering Abstracts)

Subject Coverage	<ul style="list-style-type: none"> • Building, towers, and tanks • Bridges and tunnels • Civil engineering for water, electric, petroleum, and gas utilities • Civil engineering for highways and roads • Civil engineering for railways and mass transit • Civil engineering for waterways • Civil engineering for air and space transportation • Communications engineering • Coastal and offshore structures • Construction materials selection • Design and properties of substructures • Forensic engineering • Geotechnical engineering 	<ul style="list-style-type: none"> • Land development, irrigation, and drainage • Management, marketing, and education • Mathematics and computation • Pollution, conservation, and health management • Seismic engineering • Site remediation and reclamation • Storm water management and flood analysis • Surface and groundwater hydrology • Surveying, satellite communications, topography, and cartography • Theoretical mechanics and dynamics • Waste management 																							
File Type	Bibliographic																								
Features	<table border="0"> <tr> <td>Alerts (SDIs)</td> <td>Monthly</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CAS Registry Numbers®</td> <td><input type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> <td>STN AnaVist</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> <td>STN Easy</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> <td>STN Viewer</td> <td><input type="checkbox"/></td> </tr> </table>	Alerts (SDIs)	Monthly					CAS Registry Numbers®	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	STN AnaVist	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	STN Easy	<input type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>
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Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	STN Viewer	<input type="checkbox"/>																				
Record Content	Bibliographic information, indexing, and abstracts																								
File Size	More than 1.4 million citations (03/11)																								
Coverage	1966-present																								
Updates	Monthly																								
Language	English																								
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- Sources**
- Journals
 - Books
 - Conference Proceedings
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-

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

- Clusters**
- AEROTECH
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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 abstract (AB), classification code (CC), controlled term (CT), and title (TI) fields)	None or /BI	S EXPERIMENTAL STUDY S HIGH(L)ACCELERATION S ?ATMOSPHERIC?	AB, CC, CT, TI
Abstract	/AB	S PETROLEUM ENGINEERING/AB	AB
Accession Number	/AN	S 2004000021/AN	AN
Application Date (1)	/AD	S JUL 1978/AD	AI
Author	/AU	S MAN, ?/AU S MAN C W/AU	AU
Classification Code (2)	/CC	S 23/CC S HYBRID VEHICLES/CC	CC
Controlled Term	/CT	S MANAGEMENT METHODS/CT	CT
Controlled Word	/CW	S MACHINE/CW	CT
Corporate Source (incl. author's affiliation) (2)	/CS	S TECHNICAL RESEARCH CENTRE/CS	CS
Data Entry Date (1,3)	/DED	S DED=JAN 1998	DED
Document Number	/DN	S 200404-23-0079/DN	DN
Document Type (code and text)	/DT (or /TC)	S BOOK/DT S B/DT	DT
E-mail Address (2)	/EML	S TU DRESDEN/EML	EML, SO
Field Availability	/FA	S AB/FA	FA
File Segment (4)	/FS	S SELECTIVE/FS	FS
International Standard (Document) Number (ISBN and ISSN)	/ISN	S 0945-0084/ISN	ISN, SO
Journal Title (contains full and abbreviated titles)	/JT	S J APPL PHYS/JT OR JOURNAL OF APPLIED PHYSICS/JT	JT, JTA, JTF, SO
Language (ISO code and text)	/LA	S L1 NOT ENGLISH/LA	LA
Meeting Date (1,5)	/MD	S 24 APRIL 2005/MD	MD, SO
Meeting Location (2,5)	/ML	S PITTSBURGH/ML	ML, SO
Meeting Title (5)	/MT	S HEAT TRANSFER/MT	MT, SO
Meeting Year (1)	/MY	S MY=2002	MY, SO
Note (2)	/NTE	S TRANSLATION/NTE	NTE
Number of Report	/NR	S DOE/BP-257/NR	NR
Other Source	/OS	S POLLUTION ABSTRACTS/OS	OS
Patent Country (WIPO code and text)	/PC	S US/PC S UNITED STATES/PC	
Patent Number (6)	/PN (or /PATS)	S EP181607/PN S EP-----181607/PN	PI
Publication Date (1)	/PD	S JAN 2001-MAY 2001/PD	PD, SO
Publication Year (1)	/PY	S PY>=1999	PY, SO
Publisher (2)	/PB	S SPRINGER VERLAG/PB	PB, SO
Reference Count (1)	/REC (or /RE.CNT)	S REC=5	REC, SO
Source (contains journal titles, other higher level titles, publisher and place of publication, meeting information, collation information (volume, issue, pages), ISSN, ISBN, reference count, and publication year, URL and email addresses)	/SO	S EUROPEAN AEROSOL CONFERENCE/SO S ELSEVIER/SO AND OXFORD/SO S MATERIALS/SO AND 230/SO	SO

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

Search Field Name	Search Code	Search Examples	Display Codes
Title Uniform Resource Locator (2) Update Date (1)	/TI /URL /UP (or /ED)	S PLANT STUDY/TI S CHINAINFO/URL S UP=JUN 2004	TI URL, SO UP
Word Count, Title (1)	/WC.T	S WC.T<10 AND I1	WC.T

- (1) Numeric search field that may be searched using numeric operators or ranges.
(2) Search with implied (S) proximity is available in this field.
(3) Field is available until April 2005.
(4) This field contains the coverage grade of the source publication (available until June 2005).
(5) Field available since June 2005.
(6) Numbers are searchable in STN and Derwent format.

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.

Format	Content	Examples
AB	Abstract	D TI AB
AI	Application Information	D AI
AN	Accession Number	D 1-5 AN
AU	Author	D AU TI
CC	Classification Code	D CC
CS	Corporate Source	D CS
CT	Controlled Term	D CT
DED (1)	Data Entry Date	D DED
DN	Document Number	D DN
DT (TC)	Document Type	D DT
EML (1)	E-mail Address	D EML
FS (1)	File Segment	D FS
JT (1)	Journal Title	D JT
JTA (1)	Journal Title, Abbreviated	D JTA
JTF (1)	Journal Title, Full	D JTF
LA	Language	D LA TI
MD (1,2)	Meeting Date	D MD
ML (1,2)	Meeting Location	D ML
MT (1,2)	Meeting Title	D MT
MY (1,2)	Meeting Year	D MY
NR	Number of Report	D NR
NTE	Note	D NTE
OS	Other Source	D OS
PB (1)	Publisher	D PB
PD (1)	Publication Date	D PD
PI	Patent Information	D PI
PY (1)	Publication Year	D PY
REC (RE.CNT) (1)	Reference Count	D REC
SO	Source	D SO

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
TI UP (ED) (1) URL (1) WC.T (1)	Title Update Date Uniform Resource Locator Word Count, Title	D TI 1-3 D UP D URL D WC.T
ABS ALL DALL IALL BIB IBIB IND SCAN (3) TRIAL (TRI, SAM, SAMPLE, FREE)	AN, AB AN, DN, TI, AU, CS, SO, NR, PI, AI, DT, LA, NTE, OS, AB, CC, CT ALL, with delimiter for post processing ALL, indented with text labels AN, DN, TI, AU, CS, SO, NR, PI, AI, DT, LA, NTE, OS, AB, CC, CT (BIB is default) BIB, indented with text labels AN, CT TI, CT (random display without answer numbers) AN, TI, CT	D ABS D ALL D DALL D IALL D 8 BIB D IBIB D IND D SCAN D 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) Custom display only.

(2) Field available since June 2005.

(3) 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	N
Accession Number	AN	Y	N
Application Date	AD	Y	Y
Author	AU	Y	Y
Citation	CIT (RE)	Y (2,3)	N
Classification Code	CC	Y	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Data Entry Date	DED	Y	Y
Document Number	DN	Y	N
Document Type	DT (TC)	Y	Y
E-mail Address	EML	Y	Y
International Standard (Document) Number	ISN	Y (4)	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (5)	Y
Journal Title, Full	JTF	Y (5)	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Language	LA	Y	Y
Meeting Date	MD	Y	Y
Meeting Location	ML	Y	Y
Meeting Title	MT	Y	Y
Meeting Year	MY	Y	Y
Note	NTE	Y	Y
Number of Report	NR	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Other Source	OS	Y	Y
Patent Number	PN (PI,PATS)	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Publisher	PB	Y	Y
Reference Count	REC (RE.CNT)	Y	Y
Source	SO	Y (6)	Y
Title	TI	Y (default)	Y
Uniform Resource Locator	URL	Y	N
Update Date	UP (ED)	Y	Y
Word Count, Title	WC.T	Y	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) SELECT or ANALYZE HIT are not valid with this field.
- (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) Selects or analyzes ISSN and ISBN with /ISN appended to the terms created by SELECT.
- (5) Appends /JT to the terms created by SELECT.
- (6) Selects or analyzes ISSN and ISBN with /SO appended to the terms created by SELECT.

Sample Records**DISPLAY ALL**

AN 2005017853 CIVILENG
 DN 200508-31-27105
 TI Zeolite supported iron catalyst for nitric oxide reduction by ammonia in the presence of oxygen
 AU Salker, A V
 CS Department of Chemistry, Goa University, Goa 403 206, India
 SO Indian Journal of Chemical Technology, vol. 11, no. 5, pp. 683-687, Sept. 2004, 20040900, Graphs, Numerical Data, Spectra, 24 ref.
 Published by: Publications & Information Directorate (CSIR), New Delhi, 110 012, India
 ISSN: 0971-457X
 DT Journal
 LA English
 OS Metadex; Engineered Materials Abstracts; Engineered Materials Abstracts; Engineered Materials Abstracts; Mechanical & Transportation Engineering Abstracts
 AB Iron based H-ZSM-5 catalysts were used to study NO reduction with NH₃ in the presence of oxygen with and without humid conditions. The iron based H-ZSM-5 was prepared by wet impregnation method and characterized by X-ray diffraction technique, BET surface area and SEM. TPD experiments showed low and high temperature NH₃ desorption peaks. FTIR indicated only ammonia adsorbed species. Fe/ZSM-5 showed better NO_x reduction with NH₃ than H-

ZSM-5 which was a poor catalyst for the NOx reduction. The catalytic activity did not show significant difference in the NOx conversion with and without water, but there was significant difference in NH3 conversion. It may be said that the dispersed Fe species and acid sites were the active centers for the reduction of NO with NH3 in the presence of oxygen.

CC 31 Pollution, Conservation, and Health Management
CT Iron; Catalysts; Conversion; Ammonia; Surface area; Zeolites; Reduction (chemical); Nitric oxide; Catalytic activity; Desorption; Impregnation; Dispersion; Diesel engines; Exhaust gases; Air pollution

DISPLAY BIB

AN 2005017844 CIVILENG
DN 200508-32-27845
TI Extraction of Value Added Products from Aluminium Dross Material to Achieve Zero Waste
AU Mukhopadhyay, J; Ramana, Y V; Singh, Upendra
CS Director, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur
SO Light Metals 2005, pp. 1209-1212, 20050213, Graphs, Numerical Data, Spectra, 13 ref.
Conference: Light Metals 2005 as held at the 134th TMS Annual Meeting, San Francisco, CA, USA, 13-17 Feb. 2005
Published by: Minerals, Metals and Materials Society (TMS), 184 Thorn Hill Road, Warrendale, PA, 15086-7528, USA, [<http://www.tms.org>]
ISBN: 0873395808
DT Conference Article
LA English
OS Metadex; Aluminium Industry Abstracts; Ceramics Abstracts/World Ceramic Abstracts

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