

# ENVIROENG (Environmental Engineering Abstracts)



- Subject Coverage**
- Agricultural equipment and methods
  - Arctic and tropical engineering
  - Coastal engineering
  - Environmental impact and protection
  - Hazardous materials
  - Heat exchangers
  - Hydroelectric power
  - Internal combustion engines
  - Mines and quarry equipment
  - Nuclear power plants
  - Pipes and pipeline
  - Sources and control of air pollution
  - Steam power
  - Thermoelectric energy
  - Tidal and wind power
  - Treatment of sewage and industrial wastes
  - Turbines
  - Water analysis and treatment techniques

**File Type** Bibliographic

- Features**
- |                                  |                                     |                       |                                     |             |                          |
|----------------------------------|-------------------------------------|-----------------------|-------------------------------------|-------------|--------------------------|
| <a href="#">Alerts (SDIs)</a>    | Monthly                             |                       |                                     |             |                          |
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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** 341,744 citations (03/2011)

**Coverage** 1990-present

**Updates** Monthly

**Language** English

**Database Producer** Cambridge Scientific Abstracts  
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- Sources**
- Journals
  - Conference Proceedings
  - Books
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- User Aids**
- Online Helps (HELP DIRECTORY lists all help messages available)
  - STNGUIDE
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- Clusters**
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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), title (TI) and uncontrolled term (UT) (1) fields)	None or /BI	S ?LASER? S WATER(L)RESERVOIR S TOLUENE	AB, CC, CT, TI, UT
Abstract	/AB	S MEMBRANE FILTER/AB	AB
Accession Number	/AN	S 2004000021/AN	AN
Author	/AU	S MAN, ?/AU S MAN C W/AU	AU
Classification Code (code and text) (2)	/CC	S 10/CC S GENERAL ENVIRONMENTAL ENGINEERING/CC	CC
Controlled Term	/CT	S ANALYTICAL METHODS/CT	CT
Controlled Word	/CW	S ANALYTIC?/CW	CT
Corporate Source (incl. author's affiliation) (2)	/CS	S BASF CORP/CS	CS
Data Entry Date (3,4)	/DED	S JUN 2004/DED	DED
Document Number	/DN	S 640385/DN	DN
Document Type (code and text)	/DT (or /TC)	S BOOK/DT S B/DT	DT
E-mail Address (2)	/EML	S BOOKS@SEG.ORG/EML	EML, SO
Field Availability	/FA	S AB/FA	not displayed
File Segment (5)	/FS	S CORE/FS	FS
International Standard (Document) Number	/ISN	S 0001-2505/ISN S 1900222205/ISN	ISN, SO
Journal Title (contains full and abbreviated titles)	/JT	S ACI STRUCT J/JT S ACI STRUCTURAL JOURNAL/JT	SO, JT, JTA, JTF
Language (ISO code and text)	/LA	S L1 NOT ENGLISH/LA	LA
Meeting Date (3,6)	/MD	S MD=MAR 2004	MD, SO
Meeting Location (2,6)	/ML	S VIENNA/ML	ML, SO
Meeting Title (6)	/MT	S MICRO PARTICLES/MT	MT, SO
Meeting Year (3,6)	/MY	S 2003/MY	MY, SO
Note (2)	/NTE	S ASME/NTE	NTE
Number of Report	/NR	S SAE PAPER 921287/NR	NR
Other Source	/OS	S "COPPER DATA CENTER (CD)"/OS	OS
Publication Date (3)	/PD	S JAN-FEB 2000/PD	PD, SO
Publication Year (3)	/PY	S PY>=2002	PY, SO
Publisher (2)	/PB	S SPRINGER VERLAG/PB	PB, SO
Reference Count (3)	/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

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

Search Field Name	Search Code	Search Examples	Display Codes
Summary Language (ISO code and text) <b>(5)</b>	/SL	S FR/SL S FRENCH/SL	SL
Title	/TI	S PLANT STUDY/TI	TI
Uniform Resource Locator <b>(3)</b>	/URL	S IWAPUBLISHING/URL	URL, SO
Update Date <b>(4)</b>	/UP (or /ED)	S UP=JUN 2004	UP
Word Count, Title <b>(4)</b>	/WC.T	S WC.T<10 AND I1	WC.T

**(1)** Field available until February 2005.

**(2)** Search with implied (S) proximity is available in this field.

**(3)** Numeric search field that may be searched using numeric operators or ranges.

**(4)** Field available until April 2005.

**(5)** This field contains the coverage grade of the source publication (available until June 2005).

**(6)** Field available since June 2005.

**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
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 <b>(1)</b>	Data Entry Date	D DED
DN	Document Number	D DN
DT (TC)	Document Type	D DT
EML <b>(1)</b>	E-mail Address	D EML
FS <b>(1)</b>	File Segment	D FS
JT <b>(1)</b>	Journal Title	D JT
JTA <b>(1)</b>	Journal Title, Abbreviated	D JTA
JTF <b>(1)</b>	Journal Title, Full	D JTF
LA	Language	D LA TI
MD <b>(1,2)</b>	Meeting Date	D MD
ML <b>(1,2)</b>	Meeting Location	D ML
MT <b>(1,2)</b>	Meeting Title	D MT
MY <b>(1,2)</b>	Meeting Year	D MY
NR	Number of Report	D NR
NTE	Note	D NTE
OS	Other Source	D OS
PB <b>(1)</b>	Publisher	D PB
PD <b>(1)</b>	Publication Date	D PD
PY <b>(1)</b>	Publication Year	D PY
REC (RE.CNT) <b>(1)</b>	Reference Count	D REC

## DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
SL SO TI UP (ED) (1) URL (1) UT (3) WC.T (1)	Summary Language Source Title Update Date Uniform Resource Locator Uncontrolled Term Word Count, Title	D SL D SO D TI 1-3 D UP D URL D UT D WC.T
ABS ALL DALL IALL BIB IBIB IND SCAN (4) TRIAL (TRI, SAM, SAMPLE, FREE)	AN, AB AN, DN, TI, AU, CS, SO, NR, DT, LA, SL, NTE, OS, AB, CC, CT, UT ALL, with delimiter for post processing ALL, indented with text labels AN, DN, TI, AU, CS, SO, NR, DT, LA, SL, NTE, OS (BIB is default) BIB, indented with text labels AN, CC, CT, UT TI, CT (random display without answer numbers) AN, TI, CC, CT, UT	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) Field available until February 2005.

(4) 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
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
File Segment	FS	Y	Y
International Standard (Document) Number	ISN	Y (4)	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y

**SELECT, ANALYZE, and SORT Fields**

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (5)	Y
Journal Title, Full	JTF	Y (5)	Y
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
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Publisher	PB	Y	Y
Source	SO	Y (6)	Y
Summary Language	SL	Y	Y
Title	TI	Y(default)	Y
Uncontrolled Term	UT	Y (7)	Y
Uniform Resource Locator	URL	Y	Y
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 CC.
- (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.
- (7) Appends /BI to the terms created by SELECT.

**Sample Records****DISPLAY ALL**

```

AN      2004154990   ENVIROENG
DN      5789123
TI      Ni-Cd battery recycling technology using high-temperature vacuum
        distillation
AU      Zhu, Jianxin; Nie, Yongfeng; Li, Jinhui
CS      Department of Environmental Science and Engineering, Tsinghua University,
        Beijing 100084, China, [mailto:hjx-nieyf@tsinghua.edu.cn]
SO      Journal of Tsinghua University Science and Technology [J. Tsinghua Univ.
        Sci. Technol.]. Vol. 43, no. 6, pp. 858-861. Jun 2003.
        ISSN: 1000-0054
DT      Journal
LA      Chinese
SL      English; Chinese
OS      Pollution Abstracts; Environmental Engineering Abstracts
AB      The wide use of municipal solid waste incinerators has increased concern
        over heavy metal pollution. Spent Ni-Cd batteries, the main source of the
        heavy metal cadmium, should be removed and handled properly before the
        municipal solid waste is put into the incinerator. An experimental
        recovery system was designed to develop a process for disassembling and
        recovering selected materials from Ni-Cd batteries using high temperature
  
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vacuum distillation of the Ni-Cd batteries because of the distinct difference between cadmium and other metals. The results showed that the heavy metal cadmium could be effectively separated by vacuum distillation to produce high purity cadmium (> 99%). Water, organic substances and cadmium became vapor at high temperature in the vacuum system. The cadmium boiling point of was about 750 K at a heating rate of 2.5 K/min at 67 mPa. The distillation temperature should be at the range of 773 K to 1173 K. At 10 Pa and a distillation temperature of 1173 K, the cadmium content in the residue was less than 0.2% after distillation for 3 h.

CC 60 Waste Management  
 CT Heavy metals; Nickel; Cadmium; Batteries; Waste disposal; Recycling;  
 Separation processes  
 UT vacuum distillation

### DISPLAY BIB

AN 2005006083 ENVIROENG  
 DN 06072956  
 TI The value of an odor-quality-wheel classification scheme for wastewater treatment plants  
 AU Suffet, I.H.; Burlingame, G.A.; Rosenfeld, P.E.; Bruchet, A.  
 eMail: msuffet@ucla.edu  
 CS Environmental Science and Engineering UCLA, School of Public Health, Charles E. Young Drive South, Box 951772, Los Angeles, CA 90095, USA  
 SO Editor(s): Stuetz, R.M. (eds.)  
 Odours and Volatile Organic Compounds II - Measurement, Regulation and Control Techniques, vol. 50, no. 4, pp. 25-32, 20030914  
 Conference: 2. IWA International Conference on Odours and VOCs, Singapore, 14-17 Sept. 2003  
 Published by: I W A PUBLISHING, Alliance House, 12 Caxton St, London, SW1H 0QS, UK, [publications@iwap.co.uk], [<http://www.iwapublishing.com>]  
 ISBN: 1843394790  
 ISSN: 0273-1223  
 DT Conference Article; Journal  
 LA English  
 NTE Water Science & Technology [Water Sci. Technol.]

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