

ANTE: Abstracts in New Technologies and Engineering

FILE DESCRIPTION

ANTE: Abstracts in New Technologies and Engineering provides abstracting and indexing of 350 academic and trade publications from the U.K. and the U.S. Coverage includes new technologies, such as information technology and computing, electronics, biotechnology, and medical technology. Engineering is also covered, including construction, electrical and chemical engineering, and allied subject areas.

SUBJECT COVERAGE

Major areas of coverage include:

- Aerospace
- Chemical technology & engineering
- Communications engineering
- Computers & control
- Construction
- Design
- Electrical & electronic engineering
- Energy
- Ergonomics
- Food, farming, fishing, & forestry
- Health & Safety
- Management services
- Mechanical & production engineering
- Medical technology
- Metallurgy
- Military technology
- Mineral extraction & processing
- Photography & cinematography
- Pollution, waste & water engineering
- Printing, paper & packaging
- Quality assurance, training, & standards
- Radio & television
- Road, rail, & sea transport
- Science & measurement
- Sound & video recording
- Textiles, leather & wood

SOURCES

The ANTE database includes information abstracted from approximately 350 scientific and technical journals and corresponds to the print *Abstracts in New Technologies and Engineering*.

TIPS

USE FILE 60

to search for abstracted information relating to new technologies.

USE /TI AND /DE

for precise title and descriptor searching:

S COMPOSITE(W)MATERIAL?(TI,DE

USE RANK

to find experts working in an area of interest.

S ANTIFOULING PAINT?

RANK AU

DIALOG FILE DATA

Inclusive Dates: 1982 to the present

Update Frequency: Monthly

File Size: Over 360,000 records as of July 2005

CONTACT

ANTE: Abstracts in New Technologies and Engineering is produced by CSA. Questions concerning file content should be directed to:

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File 60 ANTE: Abstracts in New Technologies and Engineering
SAMPLE RECORD

DIALOG(R)File 60:Abstracts in New Technologies & Engineer
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AA= 0000370694 IP ACCESSION NO: 342390
/TI Xylitol production via catalytic hydrogenation of sugarcane bagasse
dissolving pulp liquid effluents over Ru/C catalyst.

AU= Baudel*, H. M.; de Abreu, C. A. M.; Zaror, C. Z.
CS= EULA International Center of Environmental Sciences, Universidad de
Concepcion, Casilla 156-D, Barrio Universitario, Concepcion, Chile
AUTHOR EMAIL: hbaudel@udec.cl

JN=,SO=,PD= Journal of Chemical Technology & Biotechnology, v 80, n 2, p 230-233, Feb.
2005

PY= PUBLICATION DATE: 2005
PU= PUBLISHER: John Wiley & Sons Ltd., Journals, Baffins Lane, Chichester,
Sussex, PO19 1UD
CP= COUNTRY OF PUBLICATION: UK
DT= DOCUMENT TYPE: Journal Article
RT= RECORD TYPE: Abstract
LA= LANGUAGE: English
SN= ISSN: 0268-2575
NOTES: il.; tbls.; refs.
DOI: 10.1002/jctb.1155

FS= FILE SEGMENT: ANTE: Abstracts in New Technologies and Engineering

/AB ABSTRACT:
Xylose-rich liquid effluents generated by the acid hydrolysis of
sugarcane bagasse for production of dissolving pulp were converted to
xylitol, a highly valued chemical specialty, via catalytic hydrogenation
over Ru/C. From the eco-efficiency standpoint, this initiative emerges as
an attractive way to promote a chemical valorisation of bagasse dissolving
pulp wastewaters. (Original abstract)

/DE DESCRIPTORS: Xylitol; Production; Waste; Bagasse; Hydrolysis; Hydrogenation
; Catalysts; Ruthenium

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S GRAPHITE(W)FIBER
/AB	AB	Abstract	Word	S XYLOSE(W)RICH(W)LIQUID?/AB
/DE	DE	Descriptor ¹	Word & Phrase	S XILITOL/DE
/ID	ID	Identifier	Word & Phrase	S POLYIMIDE RESIN?/DE S SOFTWARE(W)PACKAGE/ID
/TI	TI	Title	Word	S PERSONAL COMPUTER?/ID S XILITOL(W)PRODUCTION/TI

¹ Also /DF.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	CSA Accession Number	Phrase	S AA=342390
AU=	AU	Author	Phrase	S AU=ZAROR, C?
—	AZ	DIALOG Accession Number		
BN=	BN	International Standard Book Number (ISBN)	Phrase	S BN=0-8213-3287-3 S BN=0821332873
CD=	CD	Conference Date	Phrase	S CD=19920628
CL=	CL	Conference Location	Word	S CL=AUSTRALIA
CP=	CP	Country of Publication	Phrase	S CP=USA S CP=THE NETHERLANDS
CS=	CS	Corporate Source	Word & Phrase	S CS=(ADVANCED(S)MATERIALS) S CS=EULA INTERNATIONAL?
CT=	CT	Conference Title	Word	S CT=(GUIDED(W)FLIGHT)
CY=	CY	Conference Year	Phrase	S CY=1992
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
FS=	FS	File Segment	Phrase	S FS="ANTE: ABSTRACTS IN NEW TECH"?
—	II	Digital Object Identifier		
JN=	JN	Journal Name	Phrase	S JN=JOURNAL OF CHEMICAL TECHNOLOG?
LA=	LA	Language	Phrase	S LA=ENGLISH
MC=	MC	Materials Classification	Phrase	S MC=ALUMINUM BASE ALLOY?
ML=	ML	Materials	Phrase	S ML=AL-4CU
NO=	NO	Document Number	Word & Phrase	S NO=(AF(W)AFOSR(W)83(W)0034) S NO=AF-AFOSR-83-0034
—	NR	Number of References		
—	NT	Note		
PD=	PD	Publication Date	Phrase	S PD=20050200
PU=	PU	Publisher	Word	S PU=(JOHN(W)WILEY)
PY=	PY	Publication Year	Phrase	S PY=2005
RN=	RN	Report Number	Word & Phrase	S RN=901208 S RN=SAE PAPER 901208
RT=	RT	Record Type	Phrase	S RT=ABSTRACT
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0268-2575
SO=	SO	Source Information	Word	S SO=(CHEMICAL(W)TECHNOLOGY)
UD=	—	Update	Phrase	S UD=9999

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SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP DUP, HELP CURRENT online.

LIMIT	/ABS -- Record has an Abstract /NOABS -- Record is a Citation Only Record /YYYY -- Publication Year	S S3/ABS S S3/NOABS S S2/2004
SORT	AA, AU, CS, JN, PY, TI	SORT S3/ALL/PY/D SORT S1/ALL/TI
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked.	RANK DE RANK AU S4
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
CURRENT	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 60 CURRENT2

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Bibliographic Citation and Abstract
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/AU,TI/1-5 PRINT S2/TI,AB/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/5/1-5 TAG PRINT S3/9/ALL TAG
DIRECT RECORD ACCESS	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 0726149/5 DISPLAY 0074483/AU,TI PRINT 0301964/9

FOR ONLINE HELP:

See HELP FIELDS 60 for searchable fields; HELP FORMAT 60 for output formats; HELP LIMIT 60 for limits; HELP RATES 60 for cost information; HELP SORT 60 for sorts.