

Energy Science and Technology

ONTAP® Energy Science and Technology (File 803)

FILE DESCRIPTION

Energy Science & Technology (formerly DOE ENERGY) is a multidisciplinary file containing worldwide references to basic and applied scientific and technical research literature. The information is collected for use by government managers, researchers at the national laboratories, and other research efforts sponsored by the U.S. Department of Energy, and the results of this research are transferred to the public.

Abstracts are included for records from 1976 to the present. The database corresponds in part to *Energy Research Abstracts* and *INIS Atomindex*, as well as to other publications. An online thesaurus is available; the hardcopy thesaurus is available from the National Technical Information Center (NTIS).

File 803 is available for **ON**line **T**raining **A**nd **P**ractice and contains Energy Science & Technology records from early 1990.

SUBJECT COVERAGE

- Biology
- Biomedicine
- Chemistry
- Coal, Gas, Oil, Hydroelectricity
- Conservation Technology
- Direct Energy Conversion
- Energy Policy
- Engineering
- Environmental Science
- Geosciences, Geothermal Energy
- Hazardous Waste Management
- Human Genome Project Methodology
- Isotope/Radiation Technology
- Materials Handling
- Metals and Ceramics
- Nuclear and Thermonuclear Power
- Renewable Energy Sources (Solar, Wind, Biomass, Tidal Energy)
- Physics
- Synthetic Fuels

SOURCES

The information is provided by the U.S. Department of Energy, its contractors, other government agencies, professional societies, and through the International Energy Agency's (IEA) multilateral information program (Energy Technology Data Exchange, ETDE), the International Atomic Energy Agency's International Nuclear Information System (INIS), and IEA Coal Research. The file includes references to journal literature, conferences, patents, books, monographs, theses, and engineering and software materials. Approximately 50% of these references are from non-U.S. sources.

DIALOG FILE DATA

Inclusive Dates: 1974 to the present (File 103)
Early 1990 (File 803)

Update Frequency: Biweekly (File 103)
Closed (File 803)

File Size:

Over 4,373,386 records as of November 2003 (File 103)

31,000 records (File 803)

CONTACT

Energy Science & Technology is produced by the Office of Scientific and Technical Information, U.S. Department of Energy. Questions concerning file content should be directed to:

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SAMPLE RECORD

DIALOG(R)File 103:Energy SciTec
 (c) 2002 Contains copyrighted material. All rts. reserv.

AN= 03114224 CHF-91-0F0306; EDB-91-051658
/TI Title: Hybrid vehicles as an alternative
 Original Title: Hybridfahrzeuge als Alternative
AU=, CS= Author(s): Beck, J. (Audi AG, Ingolstadt (Germany, F.R.))
SO=, JN= Source: Bulletin des Schweizerischen Elektrotechnischen Vereins
 (und) des Verbandes Schweizerischer Elektrizitaetswerke
 (Switzerland) v 81:18. p. 23-25
PY=, PD= Publication Date: 15 Sep 1990
CO=, CD= CODEN: BEVED
DT= Document Type: Journal Article
LA= Language: German
JA= Journal Announcement: EDB9101
SF= Subfile: ETD (Energy Technology Data Exchange).
CP= Country of Publication: Switzerland
GL= Country of Origin: Germany, Federal Republic of
/AB Abstract: The paper presents the thoughts which led to the
 development of a hybrid vehicle. The Audi duo makes it possible
 to drive a conventional vehicle without exhaust gases and without
 dispensing with the advantages of conventional driving power,
 such as high rating and a big range. (orig.) .
/DE, /DE* Major Descriptors: *ELECTRIC-POWERED VEHICLES -- AIR POLLUTION
 ABATEMENT; *ELECTRIC-POWERED VEHICLES -- HYBRID SYSTEMS
/DE Descriptors: DIESEL ENGINES; FORECASTING; INTERNAL COMBUSTION
 ENGINES
/DE, /BT Broader Terms: ENGINES; HEAT ENGINES; INTERNAL COMBUSTION ENGINES;
 POLLUTION ABATEMENT; VEHICLES
SC=, SH= Subject Codes: 330300* Advanced Automotive Propulsion Systems
 Electric-Powered Systems

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S HYBRID(W)VEHICLE?
/AB	AB	Abstract ¹	Word	S EXHAUST(W)GAS?/AB
/BT	BT	Broader Terms ⁷	Word & Phrase	S POLLUTION(W)ABATEMENT/BT S INTERNAL COMBUSTION ENGINES/BT
/DE	DE	Descriptor ^{2,3}	Word & Phrase	S AIR(W)POLLUTION/DE S DIESEL ENGINES/DE
/ID	ID	Identifier ⁴	Word & Phrase	S FORTRAN/ID S MS DOS?/ID
/TI	TI	Title ⁶	Word	S HYBRID(W)VEHICLE?/TI
/XB	XB	Broader Terms ^{5,7}	Word & Phrase	S HEAT(W)ENGINES/XB S HEAT ENGINES/XB

¹ Abstracts included from 1976 forward.

² Also /DF

³ Also /DE*, /DF* for records until UD=200110B2.

⁴ Included from November 1989 forward.

⁵ Also searchable as /DE

⁶ Includes Original Title if available.

⁷ For records until UD=200110B2.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AN=	AN	Accession Numbers	Phrase	S AN=EDB-91-001234
AN=	AN	Patent Application Number	Phrase	S AN=US 6721833
AU=	AU	Author	Phrase	S AU=BECK, J.
AV=	AV	Availability	Word	S AV=NTIS
AX=	AX	OSTI Identifying Numbers ⁸	Phrase	S AX=DE00000703
BN=	BN	International Standard Book Number (ISBN) ⁴	Phrase	S BN=3-7739-0525-4 S BN=3773905254
CD=	CD	CODEN ⁹	Phrase	S CD=BEVED
CL=	CL	Conference Location	Word	S CL=ISPRA
CN=	CN	Contract Number	Word & Phrase	S CN=(DARPA(W)ONR) S CN=AC01-78ET10159 S CN=AC0178ET10159
CO=	CO	CODEN ⁹	Phrase	S CO=BEVED
CP=	CP	Country of Publication	Phrase	S CP=SWITZERLAND
CS=	CS	Corporate Source	Word	S CS=(AUDI(W)AG)
CT=	CT	Conference Title	Word	S CT=(RF(W)SUPERCONDUCT?)
CY=	CY	Conference Year ¹⁰	Phrase	S CY=1990
DT=	DT	Document Type	Phrase	S DT=CONFERENCE LITERATURE
GL=	GL	Geographic Location (Country of Origin) ⁷	Phrase	S GL=GERMANY?
IC=	IC	International Patent Class ^{4,7}	Word	S IC=B07B
JA=	JA	Journal Announcement ⁷	Phrase	S JA=EDB9101
JN=	JN	Journal Name	Phrase	S JN=BULLETIN DES SCHWEIZERISCHEN ELEK?
LA=	LA	Language	Word	S LA=GERMAN
MC=	MC	Machine Compatibility ^{4,7,11}	Word & Phrase	S MC=(IBM(W)PC(W)AT) S MC="IBM/PC-AT"
—	NT	Notes ^{7,12}		
OS=	OS	Operating System ^{4,7,11}	Word & Phrase	S OS=(IBM(W)3090) S OS=MS DOS?
PA=	PA	Patent Assignee	Word	S PA=(DOW(W)CHEMICAL)
PC=	PC	Patent Country	Phrase	S PC=US
PD=	PD	Publication Date	Phrase	S PD=1990
PL=	PL	Programming Language ^{4,7,11}	Word & Phrase	S PL=FORTRAN S PL="C,C++"
PN=	PN	Patent Number	Phrase	S PN=US 4470770
PR=	PR	USDOE Project/Non-DOE Project ^{4,7}	Phrase	S PR=P
PU=	PU	Publisher	Word	S PU=(ABERDEEN(S)UNIV?)
PY=	PY	Publication Year	Phrase	S PY=1990
RN=	RN	Report Number	Word & Phrase	S RN=(ORNL(W)TM) S RN=CONF-870955-4 S RN=CONF8709554
SC=	SC	Subject Category Code ^{13,14}	Phrase	S SC=330300 S SC=A15
SF=	SF	Subfile ⁷	Phrase	S SF=ETD
SH=	SH	Subject Heading Text ¹⁴	Word & Phrase	S SH=(ELECTRIC(W)POWERED) S SH=ADVANCED PROPULSION SYSTEMS
SN=	SN	International Standard Serial Number (ISSN) ⁴	Phrase	S SN=0176-4101 S SN=01764101
SO=	SO	Source Information ¹⁵	Word	S SO=(BULL?(1W)SCHWEIZ?(W)ELEKTROTECH?)
SP=	SP	Sponsor Code and Name ⁴	Word & Phrase	S SP=(DOE(W)ER) S SP=ENVIRONMENTAL PROTECTION AGENCY?
UD=	—	Update ¹⁶	Phrase	S UD=9999
UP=	UP	Availability Date ¹⁷	Phrase	S UP=20011227

⁸ Also searchable as RN=⁹ CODEN may be searched with CD= or CO=.¹⁰ For records from 1993 forward.¹¹ Also included in Identifier field (/ID) until UD=200110B2.¹² Includes Academic Degree, Contact, Distribution, Notes.¹³ Expand for a complete retrieval.¹⁴ Includes Energy Technology Data Exchange subject classifications.¹⁵ Display varies according to document type.¹⁶ Not available in File 803.¹⁷ For records from UD=200110B2 forward.

SPECIAL FEATURES

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

LIMIT	/ENG -- English Language /MAJ -- Major Descriptor /NONENG -- Non-English Language /PROJ -- DOE Project ^{4,7} /YYYY -- Publication Year	S S5/ENGLISH S S1/MAJ S S3/NONENG S S2/PROJ S S2/1999:2000
SORT	AU, CN, CS, JN, PD, PY, RN, TI	SORT S2/ALL/TI SORT S1/ALL/PD/D
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: ID	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 103 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 ¹
5	--	Full Record ¹
6	Short	Title, Accession Numbers, and Publication Date
7	Long	Bibliographic Citation and Abstract ¹
8	Free	Title, Accession Numbers, Indexing, and Publication Date
9	Full	Full Record ¹
25	--	Full Record ¹
27	--	Full Record ¹
29	--	Full Record ¹
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

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 S6/AU,TI,SO/1-10 PRINT S3/AU,AB,TI/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/9/1-10 TAG PRINT S1/5/ALL TAG DISPLAY S3/7/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 1493590/5 DISPLAY 1353530/4 PRINT 1322678/9

FOR ONLINE HELP:

See HELP FIELDS 103 for searchable fields; HELP FORMAT 103 for output formats; HELP LIMIT 103 for limits; HELP RATES 103 for cost information; HELP SORT 103 for sorts.