ENCOMPLIT (EnCompass Literature Database for Subscribers)
ENCOMPLIT2 (EnCompass Literature Database for Non-Subscribers)

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Subject Coverage	- Alternate energy sources - Engineering and process work - Environmental effects - Fuels - Oilfield chemicals (1981-present) - Transportation and storage of petroleum and petroleum products			
File Type	Bibliographic			
Access	- ENCOMPLIT – Available only to EnCompass subscribers - ENCOMPLIT2 – For EnCompass non-subscribers, restricted to 2 hours per year combined usage with ENCOMPPAT2 on all vendors			
Features	Alerts (SDIs)	Weekly or monthly (monthly is the default) for ENCOMPLIT customers only. No automatic SDIs available in ENCOMPLIT2.		
	CAS Registry Number® Identifiers	☑	Page Images	☐
	Keep & Share	☑	SLART	☑
	Learning Database	☐	Structures	☐
Record Content	- Petroleum, petrochemical, energy, and natural gas industry literature - Bibliographic information, abstracts, indexing terms, and CAS Registry Numbers			
File Size	More than 1.26 million citations (09/2020)			
Coverage	1964-present			
Updates	Weekly, with new and/or revised information			
Language	English			
Database Producer	Elsevier (Engineering Information) 360 Park Avenue South New York, NY 10010 USA Phone: 212-633-3895 Fax: 212-633-3680 Email: eicustomersupport@elsevier.com Copyright Holder			
Database Supplier	FIZ Karlsruhe STN Europe P.O. Box 2465 76012 Karlsruhe Germany Phone: +49-7247-808-555 Fax: +49-7247-808-259 Email: helpdesk@fiz-karlsruhe.de			

Sources	• Aqualine Abstracts • British Maritime Technology Abstracts • Chemical Abstracts • Dissertation Abstracts • Gas Abstracts (ceased publication in 1999) • Government reports • Meeting papers • Petroleum Abstracts • Technical journals • Trade magazines
User Aids	• EnCompass Source Guide (available from the producer) • EnCompass Thesaurus (print) (available from the producer) • ENCOMPLIT/ENCOMPAT User Manual (available from the producer) • Online Helps (HELP DIRECTORY lists all help messages available) • STNGUIDE • Technical Indexer's Manual (available from the producer)

Clusters

- ALLBIB
- AUTHORS
- CASRNS
- CHEMISTRY
- CORPSOURCE

- ENGINEERING
- ENVIRONMENT
- FUELS
- GEOSCIENCE
- PETROLEUM

STN Database Clusters information:

http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features

Search and Display Field Codes

The fields that allow left truncation and SLART are marked with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), abstract (AB), controlled (CT), linked (LT) and supplementary (ST) term fields, assigned controlled (CTA) and manual linked term (LTM) fields, as well as CAS Registry Numbers) **(1)**	None (or /BI)	S LUBRICANT# S NATURAL GAS S EXOTHERM? (L) REACTION# S WASTE (S) SPILL S 11104-93-1	AB, CT, CTA, LT,LTM, RN, ST, TI
Abstract*	/AB	S DEEP HOLE/AB S ?DRILL?/AB	AB
Accession Number	/AN	S 2007:1000?/AN	AN
Assigned Template	/ATM	S ATM/FA	ATM
Author **(1)**	/AU	S ADAMS E/AU	AU
CAS Registry Number	/RN	S 536-74-3/RN	CT, LT, RN
Classification Code **(2)**	/CC	S FOSSIL/CC S MOTOR FUELS/CC	CC
Controlled Term **(3)**	/CT	S CATALYTIC CRACKING/CT S ETHYLENE-A/CT S ACETIC ACID-P/CT S *EP ADDITIVE/CT	CT
Controlled Term, Assigned (includes main assigned term) **(3)**	/CTA	S HYDROTREATING/CTA S *GAS OIL/CTA	CTA
Controlled Word (includes main word)	/CW	S *GASIFICATION/CW S AROMATIC/CW	CT
Corporate Source **(1,2)**	/CS	S DOW CHEM?/CS	CS
Country of Publication (ISO code and text)	/CY	S DE/CY	CY
Digital Object Identifier	/FTDOI	S 10.5006/1.3319162/FTDOI	FTDOI, SO
Document Number	/DN	S 33F0119/DN	DN
Document Type (code and text)	/DT (or /TC)	S REPORT/DT S L1 AND J/DT	DT
E-mail Address **(2)**	/EML	S J.BREEN?/EML	CS, EML
Entry Date **(4)**	/ED	S L7 AND ED>=20010100	ED
Field Availability	/FA	S AB/FA AND L2	FA
International Standard (Document) Number (contains CODEN, ISBN, and ISSN)	/ISN	S OEMEEM/ISN S 1301-9309/ISN S 1-56670-084-1/ISN	ISN, SO
Journal Title (contains abbrev. and full titles)	/JT	S FUEL CELLS/JT	JT, JTA, JTF, SO
Language (code and text)	/LA	S ENGLISH/LA S EN/LA	LA
Linked Terms	/LT	S (HYDROCARBON (L) C8)/LT S BENZENE CONTENT/LT	LT
Linked Terms, Manual	/LTM	S BENZOIC ACID-P/LTM	LTM
Meeting Date **(4)**	/MD	S 20081005/MD	SO, MD
Meeting Location **(2)**	/ML	S FL/ML	SO, ML
Meeting Organizer **(2)**	/MO	S COMBUSTION/MO	SO, MO
Meeting Title **(2)**	/MT	S ENVIRONMENT?/MT	SO, MT
Meeting Year **(4)**	/MY	S 2008/MY	SO, MY
Number of Report	/NR	S ENV/NR	NR
Other Source	/OS	S CA/OS	OS
Publication Date **(4)**	/PD	S 20010000/PD	PD, SO
Publication Year **(4)**	/PY	S 1998-2001/PY	PY, SO
Publisher **(3)**	/PB	S SPRINGER/PB	PB, SO
References **(4)**	/REC (or RE.CNT)	S 8/REC	SO, REC

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Source (contains journal title, collation information (volume, issue, pagination), publication date, meeting information, ISBN, ISSN, CODEN, and FTDOI)	/SO	S 0016-4844/SO S (SAE AND MEETING AND 1997)/SO S INDUSTRIAL CHEMISTRY/SO S 0-915825/SO	SO
Summary Language (ISO code and text)	/SL	S ENGLISH/SL	SL
Supplementary Term* **(2)**	/ST	S HC-22 ZEOLITE/ST S CATALYST PRODUCTS/ST	ST
Template Description	/TD	S LANTHANUM/TD	TD
Title*	/TI	S FLUE GAS?/TI	TI
Update Date **(4)**	/UP	S L7 AND UP>=20010201	ED
Uniform Resource Locator	/URL	S "HTTP://WWW2.PETROBRAS.COM.BR/ TECNOLOGIA/INGLES/CENTRO_CENPES/B 472.STM"/URL	URL

(1) For recent records, authors and organizations may be searched jointly using (P) proximity.
(2) Search with implied (S) proximity is available in this field.
(3) Search for controlled terms as reactants by appending -A; as products by appending -P; as major terms by prefixing terms with *.
(4) Numeric search field that may be searched with 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 L3 1-10 AN, TI, OS. The fields are displayed or printed in the order requested.

Hit-term highlighting is available in all fields except AU, CS, ATM and TD. Highlighting must be ON during SEARCH to use HIT, KWIC, and OCC.

Format	Content	Examples
AB	Abstract	D 1-3 AB
AN	Accession Number	D L4 5 AN
ATM	Assigned Template	D ATM
AU	Author	D 1,9-12 AU
CC	Classification Code	D 7 CC
CS	Corporate Source	D L7 CS
CT	Controlled Term	D 1-4 CT
CTA **(1)**	Controlled Term, Assigned	D CTA
CY	Country of Publication	D CY
DN	Document Number	D 1-5, 8 DN
DT (TC)	Document Type	D DT
ED	Entry Date	D ED
EML **(1)**	E-mail Address	D EML
FA	Field Availability	D FA
FTDOI **(1)**	Digital Object Identifier	D FTDOI
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 1-10 LA
LT	Linked Terms	D LT
LTM	Linked Terms, Manual	D 1-3,5 LTM

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
MD **(1)**	Meeting Date	D MD; D SO
ML **(1)**	Meeting Location	D ML; D SO
MO **(1)**	Meeting Organizer	D MO; D SO
MT **(1)**	Meeting Title	D MT; D SO
MY **(1)**	Meeting Year	D MY; D SO
NR	Number of Report	D NR
OS	Other Source	D 2,5 OS
PB **(1)**	Publisher	D PB
PD **(1)**	Publication Date	D PD
PY **(1)**	Publication Year	D PY
REC **(1)**	References	D REC
RN	CAS Registry Number	D 1-5 RN
SL	Summary Language	D SL
SO	Source	D SO L3 1 3
ST	Supplementary Term	D 1-2 ST
TD	Template Description	D TD L4
TI	Title	D TI
UP	Update Date	D UP
URL	Uniform Resource Locator	D URL
ABS	AN, AB	D L3 1-5 ABS
ALL	AN, DN, TI, AU, CS, NR, SO, OS, CY, DT, LA, SL, ED, AB, CC, CT, ST, RN, LT, ATM	D 3 ALL
ALLT	AN, DN, TI, AU, CS, NR, SO, OS, CY, DT, LA, SL, ED, AB, CC, CT, ST, RN, LTM, ATM	D 2 ALLT
BIB	AN, DN, TI, AU, CS, NR, SO, OS, CY, DT, LA, SL, ED (BIB is the default)	D 1,8-10 BIB
DALL	ALL, delimited for post processing	D DALL
IALL	ALL, indented with text labels	D IALL
IALLT	ALLT, indented with text labels	D IALLT
IBIB	BIB, indented with text labels	D IBIB
IND	AN, CC, CT, ST, RN, LT, ATM	D L2 1-20 IND
SCAN **(2)**	AN, TI, CC, CT, ST, RN, LT, ATM (random display, no answer numbers)	D SCAN
TRIAL (TRI, SAM, SAMPLE, FREE)	AN, TI, CC, CT, ST, RN, LT, ATM	D 1- TRIAL
TRIALT	AN, TI, CC, CT, ST, RN, LTM, ATM	D 1-15 TRIALT
HIT	Fields containing hit terms	D HIT NOH
KWIC	Hit terms with 20 words on either side (KeyWord-In-Context)	D 1-5 KWIC
OCC	Number of occurrences of hit terms and fields 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	Y
Accession Number	AN	Y	Y
Author	AU	Y	Y
CAS Registry Number	RN	Y	Y
Citation	CIT	Y **(2,3)**	N
Classification Code	CC	Y	Y
CODEN	CODEN	N	Y
Controlled Term	CT	Y	Y
Controlled Term, Assigned	CTA	Y	Y
Corporate Source	CS	Y	Y
Country of Publication	CY	Y	Y
Digital Object Identifier	FTDOI	N	Y
Document Number	DN	Y	Y
Document Type	DT (TC)	Y	Y
E-mail Address	EML	Y	Y
Entry Date	ED	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y **(4)**	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
Language	LA	Y	Y
Linked Terms	LT	Y	Y
Linked Terms, Manual	LTM	Y	Y
Meeting Date	MD	Y	Y
Meeting Location	ML	Y	Y
Meeting Organizer	MO	Y	Y
Meeting Title	MT	Y	Y
Meeting Year	MY	Y	Y
Number of Report	NR	Y	Y
Other Source	OS	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
References	REC	Y	Y
Source	SO	Y **(6)**	Y
Summary Language	SL	Y	Y
Supplementary Term	ST	Y	Y
Template Description	TD	Y	Y
Title	TI	Y (default)	Y
Update Date	UP	Y	Y
Uniform Resource Locator	URL	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 RN.

(2) SELECT HIT and ANALYZE HIT are not valid with this field.

(3) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT.

(4) Selects CODEN, ISBN, and ISSN with /ISN appended to the terms created by SELECT.

(5) Appends /JT to the terms created by SELECT.

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

Sample Record

DISPLAY BIB

AN	2009:21325 ENCOMPLIT
DN	L200921415
TI	The study and application of low-damage and massive hydraulic fracturing technique in tight gas formations with high temperature and high pressure
AU	Qun L.(1); Jiang T.(2); Yun X.(3); Ding Y.(3); Lu Y.(3); Bo C.(3); Shu Y.(3); Duan Y.(3)
CS	(1)Research Institute of Petroleum Exploration and Development-Lang Fang Branch, PetroChina, (2)Institute of Porous Flow and Fluid Mechanics, CAS and Research Institute of Petroleum Exploration and Development-Lang Fang Branch, PetroChina, (3)Research Institute of Petroleum Exploration and Development, PetroChina,
NR	SPE 114303
SO	SPE Gas Technology Symposium Proceedings; Society of Petroleum Engineers - SPE Gas Technology Symposium (2008), Volume 1, pp. 146-158, 10 tables and 11 graphs, 2 refs. Published by: Society of Petroleum Engineers (SPE), P.O. Box 833836, TX 75083-3836, Richardson, United States of America Conference: SPE Gas Technology Symposium, Calgary, AB, Canada, 17 Jun 2008 - 19 Jun 2008
CY	United States of America
DT	Conference; (Conference Paper)
LA	English
SL	English
ED	Entered STN: 23 Nov 2009 Last updated on STN: 25 Aug 2011

DISPLAY ALL

AN	2006:23186 ENCOMPLIT
DN	L200623189
TI	Heavy metal and arsenic content in seabirds affected by the Prestige oil spill on the Galician coast (NW Spain)
AU	Perez-Lopez M.(1); Cid F.(1); Oropesa A.L.(1); Fidalgo L.E.(1); Beceiro A.L.(1); Soler F.(1) Correspondence(s): Perez-Lopez M.(1)
CS	(1)Toxicology Area, Faculty of Veterinary Medicine (UEX), Avda de la Universidad s/n, 10071 Caceres, Spain EMAIL: marcospl@unex.es
SO	Science of The Total Environment (2006), Volume 359, Number 1-3, pp. 209-220 ISSN 0048-9697 Secondary Source: Aqualine Abstracts (2006), Volume 22, Number 4, 06-5961 ISSN: 0263-5534
OS	Aqualine Abstr. 06-5961
DT	Journal; (Abstract Report)
LA	English
SL	English
ED	Entered STN: 2 Oct 2006 Last updated on STN: 24 Aug 2011

AB

Seabirds are top consumers in marine foodchains which offer opportunities to detect and assess the toxicological effects of different inorganic elements on the marine ecosystem. In order to provide baseline data concerning trace element levels in seabird species from NW Spain, zinc, copper, arsenic, chromium, lead, cadmium and mercury concentrations were analyzed in liver of three different seabird species (common guillemot, Atlantic puffin and razorbill) affected by the Prestige oil spill in September 2002 on the Galician coast. In general, with the exception of mercury, levels of all the analyzed elements were similar or lower in comparison with those reported for the same species in other Atlantic

areas, and did not exceed levels indicative of increased environmental
exposure.
CC   Animals; Health and Environment; Pollution Effects
CT   ABSTRACT; ANALYTICAL METHOD; *ANIMAL; ARSENIC; ATLANTIC OCEAN; *BIRD;
        CADMIUM; CHROMIUM; CHROMIUM CONTENT; COASTAL AREA; COMPOSITION;
        COMPOUNDS; CONSUMER; COPPER; ECONOMIC FACTOR; ECOSYSTEM; ENVIRONMENTAL
        IMPACT; EUROPE; EXPOSURE; GROUP IB; GROUP IIB; GROUP IVA; GROUP VA; GROUP
        VIB; HEALTH/DISEASE; HEAVY METAL; LEAD; LEAD CONTENT; LIVER; MARINE;
        MERCURY; METAL CONTENT; MONITORING; OCEAN; *OIL SPILL; *OIL WASTE;
        POLLUTANT; *POLLUTION; *RISK ASSESSMENT; SPAIN; *SPILL; TOXIC EFFECT;
        TRANSITION METAL; *WASTE MATERIAL; WATER POLLUTANT; *WATER POLLUTION;
        ZINC
LT   ARSENIC; COMPOUNDS; GROUP VA; POLLUTANT; WASTE MATERIAL; WATER POLLUTANT
        ANIMAL; BIRD; MARINE
        OIL SPILL; OIL WASTE; POLLUTANT; SPILL; WASTE MATERIAL; WATER POLLUTANT
        CADMIUM; COMPOUNDS; GROUP IIB; HEAVY METAL; POLLUTANT; TRANSITION METAL;
        WASTE MATERIAL; WATER POLLUTANT
        CHROMIUM; COMPOUNDS; GROUP VIB; HEAVY METAL; POLLUTANT; TRANSITION METAL;
        WASTE MATERIAL; WATER POLLUTANT
        COMPOUNDS; COPPER; GROUP IB; HEAVY METAL; POLLUTANT; TRANSITION METAL;
        WASTE MATERIAL; WATER POLLUTANT
        COMPOUNDS; GROUP IVA; HEAVY METAL; LEAD; POLLUTANT; WASTE MATERIAL; WATER
        POLLUTANT
        COMPOUNDS; GROUP IIB; HEAVY METAL; MERCURY; POLLUTANT; TRANSITION METAL;
        WASTE MATERIAL; WATER POLLUTANT
        COMPOUNDS; GROUP IIB; HEAVY METAL; POLLUTANT; TRANSITION METAL; WASTE
        MATERIAL; WATER POLLUTANT; ZINC
ATM   Template available in the TD format

DISPLAY IALLT

ACCESSION NUMBER: 2006:23186   ENCOMPLIT
DOCUMENT NUMBER: L200623189
TITLE: Heavy metal and arsenic content in seabirds affected by
                        the Prestige oil spill on the Galician coast (NW Spain)
SOURCE: Science of The Total Environment (2006), Volume 359,
                        Number 1-3, pp. 209-220
                        ISSN 0048-9697
                        Secondary Source: Aqualine Abstracts (2006), Volume 22,
                        Number 4, 06-5961
                        ISSN: 0263-5534
OTHER SOURCE: Aqualine Abstr. 06-5961
DOCUMENT TYPE: Journal; (Abstract Report)
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 2 Oct 2006
                        Last updated on STN: 24 Aug 2011
ABSTRACT:

                        Seabirds are top consumers in marine foodchains which
                        offer opportunities to detect and assess the
                        toxicological effects of different inorganic elements on
                        the marine ecosystem. In order to provide baseline data
                        concerning trace element levels in seabird species from
                        NW Spain, zinc, copper, arsenic, chromium, lead, cadmium
                        and mercury concentrations were analyzed in liver of
                        three different seabird species (common guillemot,
                        Atlantic puffin and razorbill) affected by the Prestige
                        oil spill in September 2002 on the Galician coast. In
                        general, with the exception of mercury, levels of all
                        the analyzed elements were similar or lower in
                        comparison with those reported for the same species in
                        other Atlantic areas, and did not exceed levels
                        indicative of increased environmental exposure.
CONTROLLED TERM: ABSTRACT; ANALYTICAL METHOD; *ANIMAL; ARSENIC; ATLANTIC
                        OCEAN; *BIRD; CADMIUM; CHROMIUM; CHROMIUM CONTENT;
                        COASTAL AREA; COMPOSITION; COMPOUNDS; CONSUMER; COPPER;

```
                        ECONOMIC FACTOR; ECOSYSTEM; ENVIRONMENTAL IMPACT;
                        EUROPE; EXPOSURE; GROUP IB; GROUP IIB; GROUP IVA; GROUP
                        VA; GROUP VIB; HEALTH/DISEASE; HEAVY METAL; LEAD; LEAD
                        CONTENT; LIVER; MARINE; MERCURY; METAL CONTENT;
                        MONITORING; OCEAN; *OIL SPILL; *OIL WASTE; POLLUTANT;
                        *POLLUTION; *RISK ASSESSMENT; SPAIN; *SPILL; TOXIC
                        EFFECT; TRANSITION METAL; *WASTE MATERIAL; WATER
                        POLLUTANT; *WATER POLLUTION; ZINC
MAN. LINKED TERM:       ARSENIC; COMPOUNDS; WATER POLLUTANT
                        BIRD; MARINE
                        OIL SPILL; WATER POLLUTANT
ASSIGNED TEMPLATE       Template available in the TD format
```

DISPLAY IND

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AN    2006:23186   ENCOMPLIT
CC    Animals; Health and Environment; Pollution Effects
CT    ABSTRACT; ANALYTICAL METHOD; *ANIMAL; ARSENIC; ATLANTIC OCEAN; *BIRD;
      CADMIUM; CHROMIUM; CHROMIUM CONTENT; COASTAL AREA; COMPOSITION;
      COMPOUNDS; CONSUMER; COPPER; ECONOMIC FACTOR; ECOSYSTEM; ENVIRONMENTAL
      IMPACT; EUROPE; EXPOSURE; GROUP IB; GROUP IIB; GROUP IVA; GROUP VA; GROUP
      VIB; HEALTH/DISEASE; HEAVY METAL; LEAD; LEAD CONTENT; LIVER; MARINE;
      MERCURY; METAL CONTENT; MONITORING; OCEAN; *OIL SPILL; *OIL WASTE;
      POLLUTANT; *POLLUTION; *RISK ASSESSMENT; SPAIN; *SPILL; TOXIC EFFECT;
      TRANSITION METAL; *WASTE MATERIAL; WATER POLLUTANT; *WATER POLLUTION;
      ZINC
```

DISPLAY TD

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TD    TEMPLATE TITLE: WATER POLLUTANT
      NUMBER OF TEMPLATE-GENERATED LINK TERMS:   6
        COMPOUNDS
        HEAVY METAL
        WATER POLLUTANT
         V1 CADMIUM
         V1 CHROMIUM
         V1 COPPER
         V1 LEAD
         V1 MERCURY
         V1 ZINC
```