



Engineering VillageTM

————— EI compendex 数据库 培训

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 **Engineering Information**
Step Ahead.

提纲

- **Engineering Village的简介**
- **简单检索**
 - ◆ 界面介绍
 - ◆ 检索技巧
 - ◆ 结果输出
 - ◆ 索引目录
 - ◆ 历史记录
- **高级检索**
- **其他功能**

Engineering Village 访问

1. 通过图书馆网站链接

2. Engineering Village 的网址

www.engineeringvillage.com

Engineering Village平台简介

Engineering Village是一个多数据库的检索平台，总共包括约12个数据库，其中Ei Compendex 就是我们常说的Ei数据库。



The screenshot displays the Engineering Village search interface. On the left, a sidebar lists databases: CBNB (Chemical Business NewsBase), Chimica, Compendex, and EnCompassLIT. The main area features a search bar and a 'SELECT DATABASE' section with checkboxes for various databases. The 'SEARCH FOR' section includes a search input field and two 'AND' dropdown menus. The 'SEARCH IN' section includes three dropdown menus, all currently set to 'All fields'.

Engineering Village

Tags + Groups Easy Search Quick Search Expert Search

Databases

- CBNB**
Chemical Business NewsBase (CBNB) is the leading provider...
- Chimica**
Chimica provides access to hundreds of the most influential...
- Compendex**
Compendex is the most comprehensive bibliographic database...
- EnCompassLIT**

SELECT DATABASE

All Compendex Inspec NTIS PaperChem

Chimica CBNB EnCompassLIT EnCompassPAT

GEOBASE US Patents EP Patents Referex ?

SEARCH FOR

AND

AND

SEARCH IN

All fields

All fields

All fields

Ei Compendex数据库简介

- ◆ Ei Compendex 就是我们常说的Ei数据库
- ◆ Ei 是 Engineering Index的简称
- ◆ Ei数据库是由ELSEVIER ENGINEERING INFORMATION 公司出版，为工程类文摘数据库。
- ◆ 收录期刊、会议论文、技术报告等的文摘，是工程技术领域权威检索工具，其中大约22%为会议文献，90%的文献语种是英文。
- ◆ 覆盖全世界工程领域内5000余种期刊、1500余种会议录以及科技报告等，超过900万条数据，最早回溯至1884年。
- ◆ Ei公司在1992年开始收录中国期刊。1998年Ei在清华大学图书馆建立了Ei中国镜像站。

Quick Search 界面介绍

I 数据库介绍

Engineering Village

Databases

Compendex

Compendex is the most comprehensive bibliographic database of scientific and technical engineering research available, covering all engineering disciplines. It includes millions of bibliographic citations and abstracts from thousands of engineering journals and conference proceedings. When combined with the Engineering Index Backfile (1884-1969), Compendex covers well over 120 years of core engineering literature.

GeoBase

GeoBase® is a multidisciplinary database of indexed research literature on the earth sciences, including geology, human and physical geography, environmental sciences, oceanography, geomechanics, alternative energy sources, pollution, waste

II 选项卡

[Search History](#) - [Selected Records](#) - [My Profile](#) - [My Alerts](#)

[End Session](#)

[Tags + Groups](#)

[Easy Search](#)

[Quick Search](#)

[Expert Search](#)

[Thesaurus](#)

[Ask an Expert](#)

[Help](#)

III 检索区

SELECT DATABASE

All Compendex GeoBase ?

SEARCH FOR

AND

AND

SEARCH IN

All fields

All fields

All fields

LIMIT BY

All document types

All treatment types

All languages

1969 TO 2008

1 Updates

SORT BY

Relevance Publication year

Autostemming off

[Search](#)

[Reset](#)

Browse Indexes ?

[Author](#)

[Author affiliation](#)

[Controlled term](#)

[Serial title](#)

[Publisher](#)

IV 索引目录

Search Tips

Use truncation (*) to search for words that begin with the same letters.
comput* returns computer, computers, computerize, computerization

Truncation can also be used to replace any number of characters internally.
sul*ate returns sulphate or sulfate

Use wildcard (?) to replace a single character.
wom?n retrieves woman or women

V 使用说明

Quick Search 检索技巧

1. 逻辑算符和截词符

逻辑算符：AND OR NOT NEAR

截词符：* ?

Wom?n 代表：woman or women

2. 关键词的检索

以太阳光能：solar energy 为例

Solar energy	45995	solar not energy	70576
solar and energy	45995	“solar energy”	26977
Solar NEAR energy	30710	{solar energy}	26977
solar or energy	1075474	Solar* energ*	46898

Quick Search 检索技巧

3. 作者的检索

◆EI数据库的作者有九种写法：以张靖煊(Zhang Jingxuan)老师为例

Zhang jingxuan or Zhang jing-xuan or jingxuan zhang or jing-xuan zhang or Zhang jx or Zhang j-x or Zhang j or jingxuan z or jing-xuan z

◆建议大家采用截词符“*”，以三种形式来代替，并用其他检索字段来限制

Zhang J* or jingxuan z* or jing-xuan z*

4. 作者机构的检索

◆只有第一作者机构（现在有其他作者机构）

5. 刊名的检索

◆注意中国期刊和英文期刊的差异

◆如：工程热物理学报

有两种写法：Journal of Engineering Thermophysics

Kung Cheng Je Wu Li Hsueh Pao/ gongcheng re wuli xuebao

检索结果的输出和管理

精简检索和统计分析

输出格式和管理

The screenshot shows the Engineering Village search results interface. At the top, there are navigation links: Search History, Selected Records, My Profile, My Alerts, and End Session. Below these are search options: Tags + Groups, Easy Search, Quick Search, Expert Search, Thesaurus, Ask an Expert, and Help. A 'Refine Search' and 'New Search' button are also present. The 'Results Manager' section includes options to 'Select all on page', 'Select range', and 'Clear all on page'. It also allows choosing a format (Citation, Abstract, Detailed record) and has a checked option for 'Clear selected records on new search'. Action buttons include View Selections, E-Mail, Print, Download, and Save to Folder. The 'Search Results' section shows 44 records and a search query: +(((diqiu wuli*) WN ST) AND ((wang y*) WN AU)). It lists sorting options: Relevance, Date, Author, Source, and Publisher. The first two results are highlighted in a red box. The 'Refine Results' section on the right shows a list of authors with checkboxes and counts, and an 'Author affiliation' section below it. A red box highlights the 'Refine Results' section. A red box also highlights the search results list.

Engineering Village

Search History - Selected Records - My Profile - My Alerts End Session

Tags + Groups Easy Search Quick Search Expert Search Thesaurus Ask an Expert Help

Refine Search New Search

Results Manager

Select all on page - Select range: [] to [] go - Clear all on page - Clear all selections

Choose format: Citation Abstract Detailed record Clear selected records on new search

View Selections E-Mail Print Download Save to Folder

Search Results

44 records in Compendex for 1969-2008 Save Search - Create Alert - RSS ?

+(((diqiu wuli*) WN ST) AND ((wang y*) WN AU))

Sort by: Relevance Date Author Source Publisher

1. Analysis and match of multi-scaled geophysical data
Wang, Yan-Guang (GRI); Han, Wen-Gong; Liu, Hao-Jie Source: Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting, v 43, n 3, June, 2008, p 333-339 Language: Chinese
Database: Compendex
Abstract - Detailed

2. Improved MT topographic correction method and discussion on relative issues
Hu, Zu-Zhi (Department of Integrative Geophysical and Geochemical Exploration, BGP); He, Zhan-Xiang; Sun, Wei-Bin; Wang, Yong-Tao Source: Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting, v 43, n 3, June, 2008, p 343-348 Language: Chinese
Database: Compendex

3. Ap ... ic inversion to predict natural gas in Sanhu area, Qaidam basin
Wang, ... Institute, CNPC; Su, Ming-Jun; Xu, Shang-Cheng; Wang, Yu-Chao; Lu, Lie-Qin; Zhang, XLMei; Feng, Hui-Yuan

Refine Results ?Help

Include Exclude

Author

- Wang, Yong (4)
- Wang, Yan Guang (4)
- Yang, Hui (3)
- Wang, Yong Gang (3)
- Wang, Yong Tao (3)
- Wang, Yu Zhu (2)
- Wang, Xue Jun (2)
- Sun, Wei Bin (2)
- He, Zhan Xiang (2)
- Wang, Yichang (2)

more...

Author affiliation

- Geologic Research Center, Gri, Bgp (3)
- Bur Of Oil Geophysical Prospecting (2)
- Tsinghua Univ (2)
- Institute Of Earth Resource And Information, University Of Petroleum (2)
- Zhongyuan Petroleum Administration (1)
- Tongji Univ (1)
- South Development Room Institute Of



Record 1 from Compendex for:((carbon nanotubes) WN TI), 1990-2003

Check record to add to Selected Records

输出方式选择

- 1. **Carbon nanotubes** - Eine neue klasse von flammenschutzmitteln fur polymere(Carbon nanotubes - A new class of flame retardants for polymers)

[Beyer, Gunter](#) (Kabelwerk Eupen AG)

Source: *Gummi, Fasern, Kunststoffe*, v 55, n 9, September 2002, 2002, p 596-600+549 Language: German

ISSN: 0176-1625 C

Publisher: Dr. Gupt

作者链接

Abstract: Flame retardant nanocomposites were synthesized by melt-blending ethylenevinylacetate copolymers (EVA) with multi-wall carbon nanotubes (MWCNTs). Fire property measurements by cone calorimeter revealed that the incorporation of multi-wall carbon nanotubes into EVA significantly reduced the peak heat release rates (PHRR) compared to the virgin EVA. Peak heat release rates of EVA with multi-wall carbon nanotubes were slightly improved compared to EVA nanocomposites based on modified layered silicates (organoclays). Char formation was the main important factor for these improvements. There was also a synergistic effect by combination of multi-wall carbon nanotubes and modified layered silicates resulting in an overall more perfect closed surface with improved heat release values. (14 refs.)

词链接

Ei controlled terms: [Flame retardants](#) | [Carbon nanotubes](#) | [Copolymers](#) | [Synthesis \(chemical\)](#) | [Calorimeters](#) | [Heat radiation](#) | [Silicates](#)

Database: Compendex

全文及馆藏链接

Full-text and Local Holdings Links

Search History 的使用

Engineering Village

Search History - Selected Records - My Profile - My

Tags + Groups Easy Search Quick Search Expert Search Thesaurus

Search Results New Search

检索记录

Search History ?

No.	Type	Search	Autostem	Sort	Results	Year(s)	Database	E-mail
1.	Quick	(("solar energy") WN KY)	On	▼ Relevance	25226	1969-2008	Compendex	<input type="checkbox"/>
2.	Quick	((wang y*) WN AU)	On	▼ Relevance	46136	1969-2008	Compendex	<input type="checkbox"/>
3.	Quick	((diqu wuli*) WN AU)	On	▼ Relevance	0	1969-2008	Compendex	<input type="checkbox"/>
4.	Quick	((diqu wuli*) WN ST)	On	▼ Relevance	956	1969-2008	Compendex	<input type="checkbox"/>

Clear Search History

组合检索

Combine Previous Searches

ENTER SEARCHES TO COMBINE

?

SORT BY

Relevance Publication year

Search Reset

Combined Search

Combine searches listed in the Search History as follows:

- (#1 AND #2)
- (#1 AND #2) OR (#3 AND #4)
- (#1 OR #3) NOT #2

Expert Search

Tags + Groups Easy Search Quick Search **Expert Search** Thesaurus Ask an Expert Help

SELECT DATABASE
 All Compendex GeoBase ?

ENTER SEARCH TERMS BELOW

SEARCH FROM
 1969 TO 2008
 1 Updates ?

SORT BY
 Relevance ? Publication year
 Autostemming off ?

Search **Reset**

Browse Indexes ?
[Author](#)
[Author affiliation](#)
[Controlled term](#)
[Language](#)
[Serial title](#)
[Document type](#)
[Publisher](#)
[Treatment type](#)

Search Codes ?
C Compendex g GeoBase

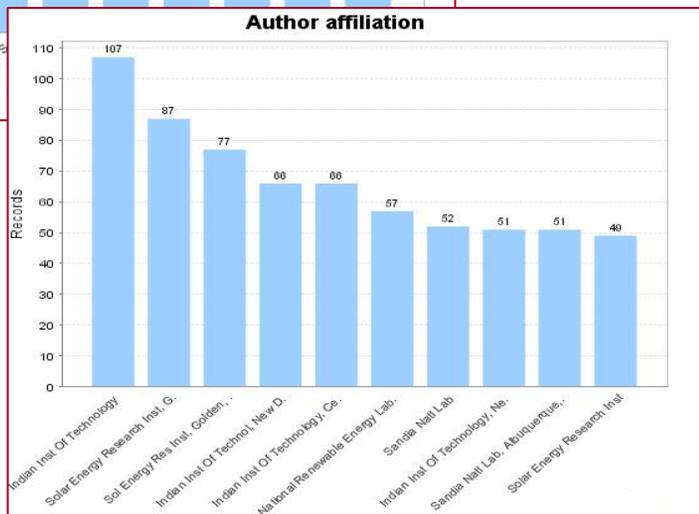
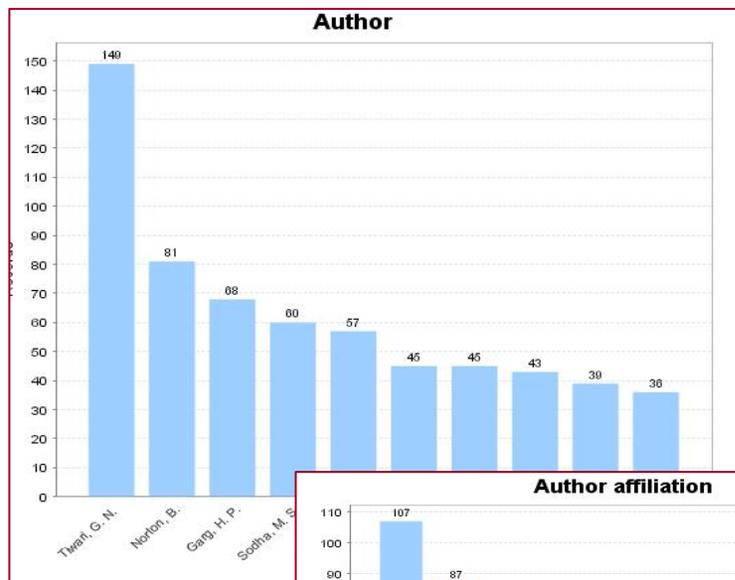
Field	Code	Field	Code	Field	Code
Abstract (c, g)	AB	Classification code (c, g)	CL	Ei main heading (c)	MH
Affiliation (c, g)	AF	CODEN (c)	CN	Publisher (c, g)	PN
All fields (c, g)	ALL	Country of origin (c, g)	CO	Regional terms (g)	RGI
Accession number (c, g)	AN	Controlled term (c, g)	CV	ISSN (c, g)	SN
Author (c, g)	AU	Document type (c, g)	DT	Serial title (c, g)	ST
ISBN (c, g)	BN	Uncontrolled term (c, g)	FL	Title (c, g)	TI
Conference code (c)	CC	Subject/Title/Abstract (c, g)	KY	Treatment type (c)	TR

输入检索式

字段选择

其他功能

1. 收录论文的统计分析



Search History - Selected Records - My Profile - My Alerts End Session

Search Quick Search Expert Search Thesaurus Ask an Expert Help

Next Page 1-25 go

Refine Results

Include Exclude

Author

- Tiwari, G. N. (149)
- Norton, B. (81)
- Garg, H. P. (68)
- Sodha, M. S. (60)
- Steinfeld, A. (57)
- Beckman, W. A. (45)
- Probert, S. D. (45)
- Klein, S. A. (43)
- Kaushik, S. C. (39)
- Wang, R. Z. (36)

[more...](#)

Author affiliation

- Indian Inst Of Technology (107)
- Solar Energy Research Inst, Golden, Co, Usa (87)
- Sol Energy Res Inst, Golden, Colo, Usa (77)
- Indian Inst Of Technol, New Delhi, India (66)
- Indian Inst Of Technology, Cent Of Energy Studies, New Delhi, India (66)
- National Renewable Energy Laboratory

Reference

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其他功能

2. 辞典 Thesaurus

The screenshot shows a web-based Thesaurus interface. At the top, there are navigation tabs: Tags + Groups, Easy Search, Quick Search, Expert Search, Thesaurus (selected), Ask an Expert, and Help. Below the tabs, there are three main sections: 'SELECT DATABASE', 'ENTER TERM', and a list of terms with checkboxes. At the bottom, there are 'LIMIT BY' and 'COMBINE SEARCH WITH' sections.

SELECT DATABASE
 Compendex ?

ENTER TERM
solar energy
 Search Exact Term Browse ? **Submit**

Exact Term: solar energy
Solar energy (Select) ?
Used for: *Solar power*

<u>Broader Terms</u>	<u>Select</u>	<u>Related Terms</u>	<u>Select</u>
Renewable energy resources	<input type="checkbox"/>	Power generation	<input checked="" type="checkbox"/>
		Solar cells	<input checked="" type="checkbox"/>
		Solar ponds	<input type="checkbox"/>
		Solar power generation	<input type="checkbox"/>
		Solar power plants	<input type="checkbox"/>
		Solar radiation	<input type="checkbox"/>
		Solar refrigeration	<input type="checkbox"/>

LIMIT BY
All document types ?
All treatment types ?
All languages ?
 1969 TO 2008
 1 Updates ?

SEARCH BOX
Solar energy
Power generation
Solar cells

COMBINE SEARCH WITH
 AND OR
SORT BY
 Relevance ? Publication year
Search **Reset** **Remove**

Annotations:
- Red box: 输入检索词 (Input search term) - points to the search input field.
- Red box: 选择控词 (Select controlled term) - points to the 'Solar energy' checkbox.
- Red box: 进行检索 (Perform search) - points to the 'Search' button.

其他功能

3. Ei收录中国期刊

Ei 中国网站: <http://www.ei.org.cn/twice/coverage.jsp>



The screenshot shows the Ei Engineering Information website interface. At the top, there is a blue header with the Ei logo and the text "Engineering Information". Below the header, there is a navigation menu with links for "首页", "中国客户", "产品", "期刊收录", "新闻", and "联系我们". The main content area features a sub-header "期 刊 — Ei收录的中国期刊" and a list of links: "中国信息部介绍", "Ei选刊原则", "Ei数据库文摘要求", and "核心非核心分类". Below this, there is a section for "核心 | 非核心" and a date "2008/05/15". A paragraph of text provides instructions for submitting journal information to S.Zhong@elsevier.com. The bottom part of the screenshot displays a table with three columns: "ISSN", "期 刊 名", and "相关链接".

ISSN	期 刊 名	相关链接
0567-7718	Acta Mechanica Sinica	
1006-7191	Acta Metallurgica Sinica (English Letters)	
0253-4827	Applied Mathematics and Mechanics (English Edition)	
0890-5487	China Ocean Engineering	
1004-5341	China Welding	
1004-9541	Chinese Journal of Chemical Engineering	
1022-4653	Chinese Journal of Electronics	
1000-9345	Chinese Journal of Mechanical Engineering (English Edition)	学报网站
1671-7694	Chinese Optics Letters	学报网站
1673-7350	Frontiers of Computer Science in China	期刊网址
1006-8748	High Technology Letters	



谢谢!