

精准发现工程信息- Ei数据库新功能提升检索效率

罗莹

爱思唯尔工程解决方案顾问

邮箱: y.luo@elsevier.com

电话: 13811203142

信息在工程领域的使用-常见问题解答

科研

合作 & 社交

整合 & 分析



检索、发现、阅读、评审

实验

- 什么是最新的趋势和技术？
- 研究之前有做过吗？
- 我有哪些新的研究机会？
- 我的同行在做什么？
- 我如何写一个成功地投资提案？
- 我如何监控我的竞争对手？
- 如何找到我的合作伙伴？
- 如何快速获取我不熟悉领域的背景知识？

教学

授课&布置作业

批改作业和评分



课程设计

分享支持工具

- 我如何让学生参与/感兴趣？
- 我如何确保学生使用可信的信息来源？
- 我如何教导学生写一篇成功的研究论文？
- 我如何教导学生解决实际的开放式问题？
- 我如何为我的学生准备工作场所？

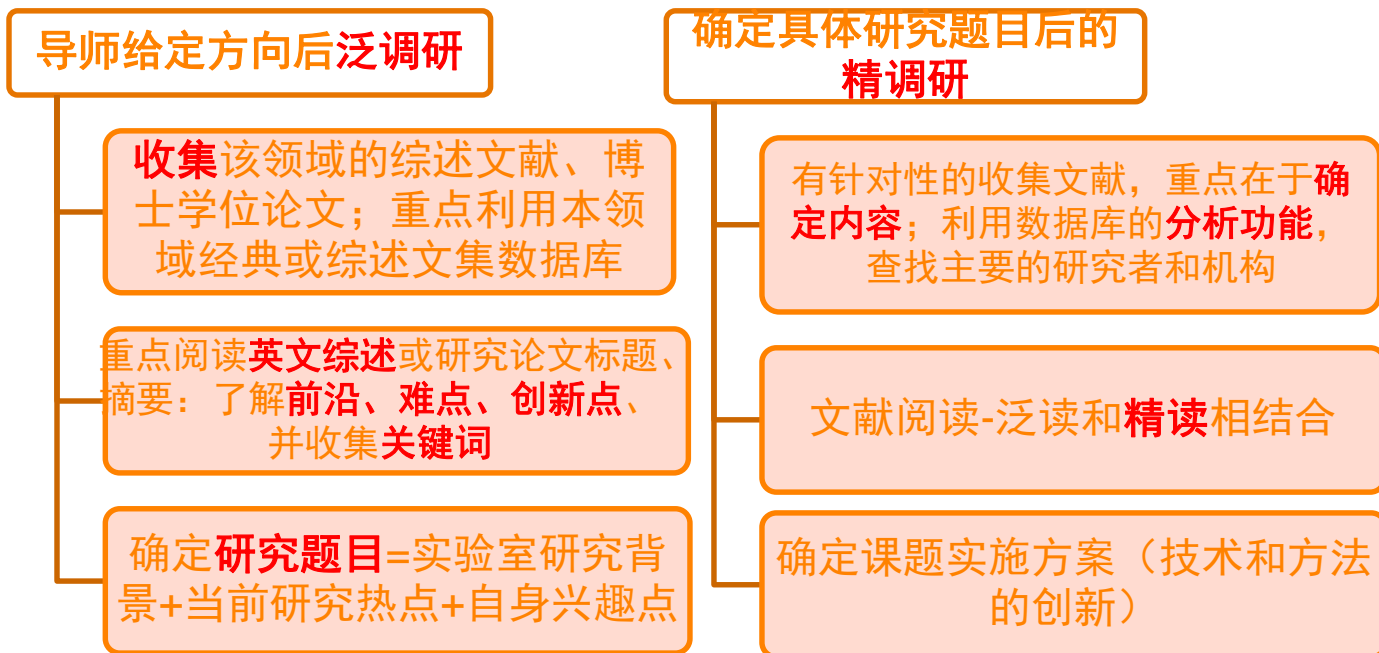
实例 - Engineering Village 的使用

- 分析论文发表情况以及科研创新表现
- 支持科研创新
 - 探索研究方案、研究领域
 - 寻找合作对象、机构、地点
 - 研究刊物和会议以发表工作成果
- 培养工程人才
 - 开展课程指导学生如何有效检索所需资料
 - 用书籍、书目章节教学基础知识，将新生引入工程世界
 - 用跨出版社行业准则对高年级本科生、研究生指导特定工程研究领域的必要知识
 - 与企业对接
 - 博士学位论文：学术界研究现状
 - 会议论文：最新研究进展

在工科文献调研中的应用 EI数据库



一、文献收集重点-文献调研阶段



先看综述性论文，再看研究论文。

- 特点：综合性、扼要性和评价性，参考文献多。
- 应作为“起步文献”加以参考利用。

The screenshot shows the Engineering Village search interface. At the top, the logo and tagline "The first choice for serious engineering research." are visible. The search bar contains the text "Search for... e.g. transcription factors AND jon smith". Below the search bar, there are several filter categories: "Databases", "Date", "Document type", "Language", "Treatment", "Discipline", "Sort by", "Autostemming", and "Browse indexes". The "Treatment" category is expanded, showing options: "All Treatments", "Experimental", "Management aspects", "Applications", "General review", "Numerical", "Biographical", "Historical", "Theoretical", and "Literature review". The "Literature review" option is selected and highlighted with a red box. Two orange callout boxes are overlaid on the page: one pointing to the "General review" option with the text "General Review" and "综述" (General Review), and another pointing to the "Literature review" option with the text "Literature Review" and "文献综述" (Literature Review).

Engineering Village™
The first choice for serious engineering research.

Search ▾ Alerts 0 Selected records 0 ? ▾

Quick search

Search in: All fields ▾ for Search for... e.g. transcription factors AND jon smith

Turn off AutoSuggest | + Add search field | Reset form

Databases ▾ Date ▾ Document type ▾ Language ▾ Treatment ^ Discipline ▾ Sort by ▾ Autostemming ▾ Browse indexes ▾

All Treatments Applications Biographical Economic

Experimental General review Historical Literature review

Management aspects Numerical Theoretical

Ei

About Ei

History of Ei

General Review
综述

Literature Review
文献综述

ELSEVIER Terms and Conditions Privacy Policy

注重学位论文的检索和阅读。

- 五个显著特点：
 - (1) 数据图表充分详尽
 - (2) 参考文献丰富全面
 - (3) 可得到课题研究现状综述
 - (4) 可跟踪名校导师的科研进程
 - (5) 学习学位论文的写作方法

可以获得课题研究的更多相关文献

Engineering Village™
The first choice for serious engineering research.

Search Alerts Selected records

Quick search
Search in: All fields for Search for... e.g. transcription factors AND jon smith

Databases Date Document type Language Treatment Discipline Sort by Autostemming

All Document types
 Conference article
 Patents (before 1970)

Article in Press
 Conference proceeding
 Report chapter

Book
 Dissertation
 Report review

Book chapter
 Journal article

ProQuest Dissertation
学位论文

Ei Engineering Village Customer Service
About Ei About Engineering Village Contact and support
History of Ei Accessibility Statement Subscribe to newsletter
Content Available Blog
Who uses EV? Twitter
Privacy matters

阅读本领域的主要研究者/机构的文献

- 如何知道主要的研究者/机构？
- 利用数据库的分析功能获得。
- 通过本领域作者发文量重要国际会议中的特邀报告人信息获得。

The screenshot shows the Engineering Village search results page. The left sidebar contains a 'Refine results' section with 'Author' and 'Author affiliation' filters highlighted by red boxes. Two orange callout boxes with white text point to these filters: 'Author' (作者信息) and 'Author Affiliation' (机构信息). The main content area displays search results with titles like 'and harmonic analysis' and 'Sustainable energy: Human factors in geothermal water resource management'. Each result includes a list of authors and their affiliations, along with a 'Full text?' button.

Author	Count
Wang, Wei	(1194)
Zhang, Wei	(1139)
Li, Wei	(1112)
Wang, Jun	(883)
Wang, Yan	(806)

Author affiliation	Count
University Of Chinese Academy Of Sciences	(3096)
U.S. Geological Survey	(2262)
State Key Laboratory Of Water Resources And Hydropower Engineering Science, Wuhuan University	(2049)
Csiro Land And Water	(1818)
State Key Laboratory Of Urban Water Resource And Environment, Harbin Institute Of Technology	(1705)

阅读高被引次数的文献

- 被引次数是判断一篇论文是否有影响力（价值）的一种比较直观和比较有效的方法。

Engineering Village

14.  **Prospects of high temperature superconductors for fusion magnets and power applications**
Fietz, Walter H. (Karlsruhe Institute of Technology, Karlsruhe, Germany); Barth, Christian; Drotziger, Sandra; Goldacker, Wilfried; H
l.; Weiss, Klaus-Peter **Source:** *Fusion Engineering and Design*, v 88, n 6-8, p 440-445, 2013
Database: Compendex
[Abstract](#) | [Detailed](#) |  [Show preview](#) | [Cited by in Scopus \(6\)](#) | [Full Text Link](#) | 

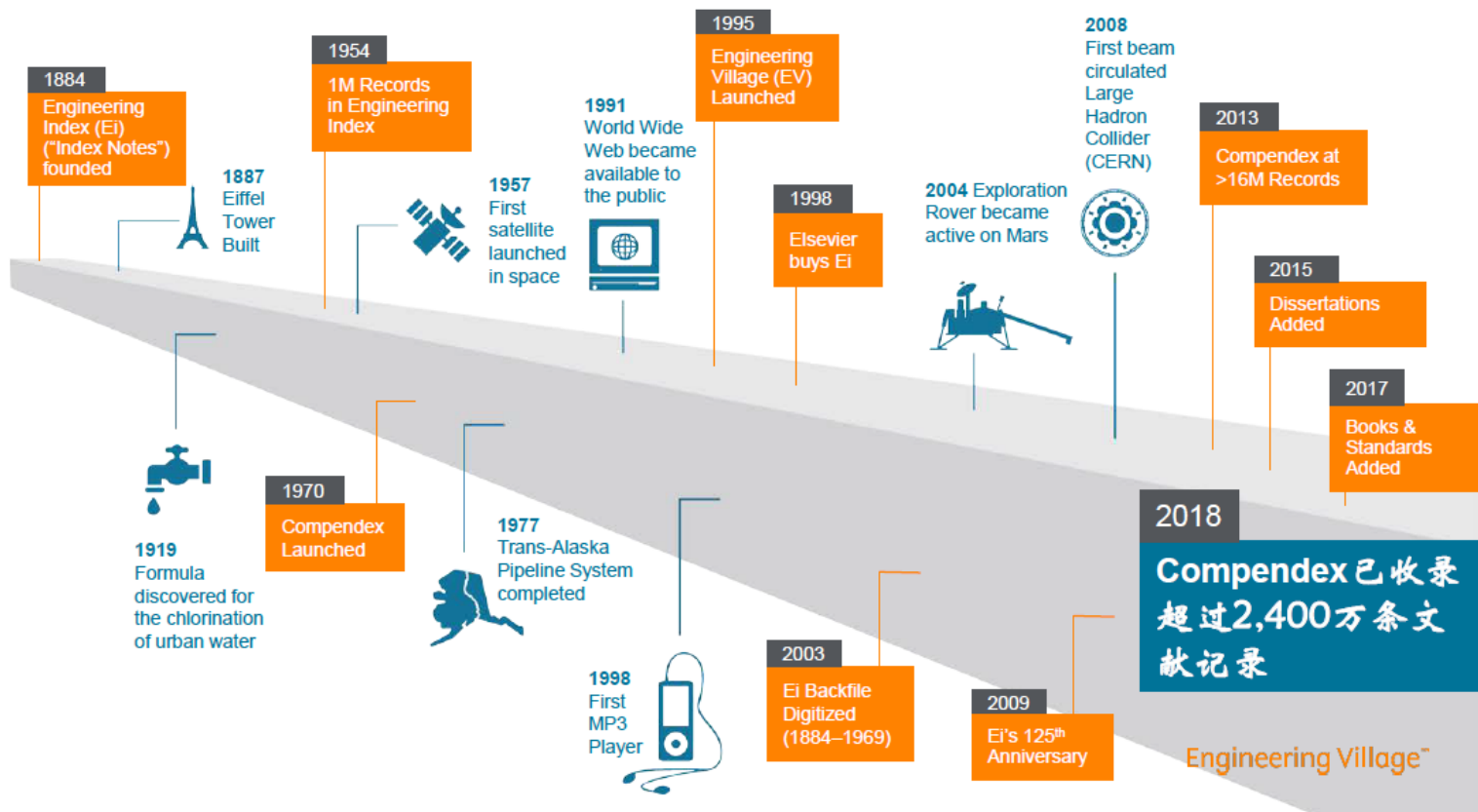
15.  **Conduction cooled high temperature superconducting dipole magnet for accelerator applications**
Zangenberg, Nikolaj (Danfysik A/S, Gregersensvej 8, DK-2630, Taastrup, Denmark); Nielsen, Gunver; Hauge, Nils; Nielsen, Bjarne
Christian G.; Bräuner, Lars; Ulse, Bo; Miller, Sren Pape **Source:** *IEEE Transactions on Applied Superconductivity*, v 22, n 3, 2012
Database: Compendex
[Abstract](#) | [Detailed](#) |  [Show preview](#) | [Cited by in Scopus \(6\)](#) | [Full Text Link](#) | 

引文信息

Ei & Engineering Village 的里程碑

Ei 和 Engineering Village 是已确立声誉的品牌

收录工程文献已有134年



Engineering Village™ – 深入工程研究的首选工具

掌控您的研究工作

找到所需的



确定研究的独特性



产生想法



保持与时俱进



了解新的学科领域



找到同行和合作者



追踪竞争工作

避免不想要的



质量不可靠
缺乏准确性、可信性



错过内容



重复工作



读到不相关的内容



在多个系统中
重复搜索

以最少的的时间和劳力取得最大的成果

Ei Compendex

是世界上涵盖面最广最完整的工程文献数据库



~26.1M条文献记录

并正在持续增长

>1.78M条记录
来自Ei Backfile

1884年至1969年

每年增加

1.3M条记录

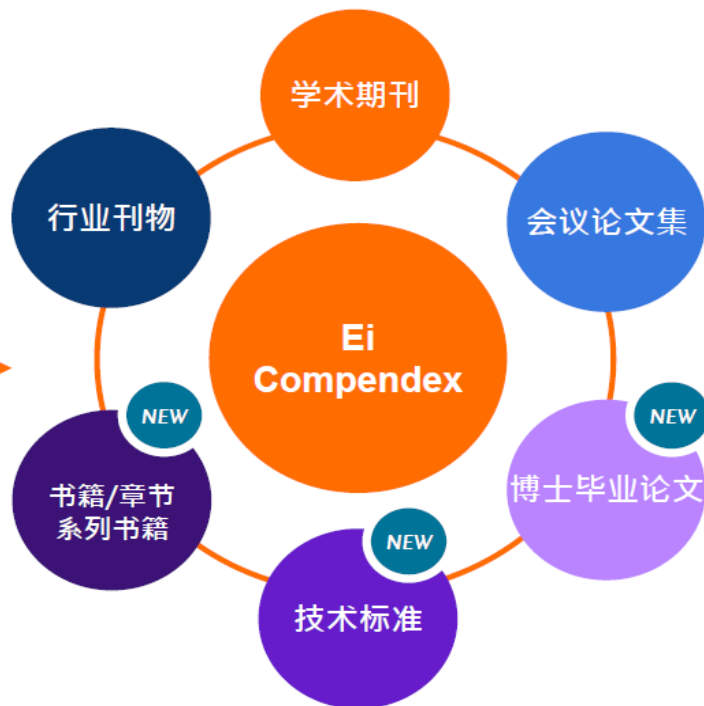
1970年至今



通过DOIs实现全文链接

涵盖**190个**工程相关领域

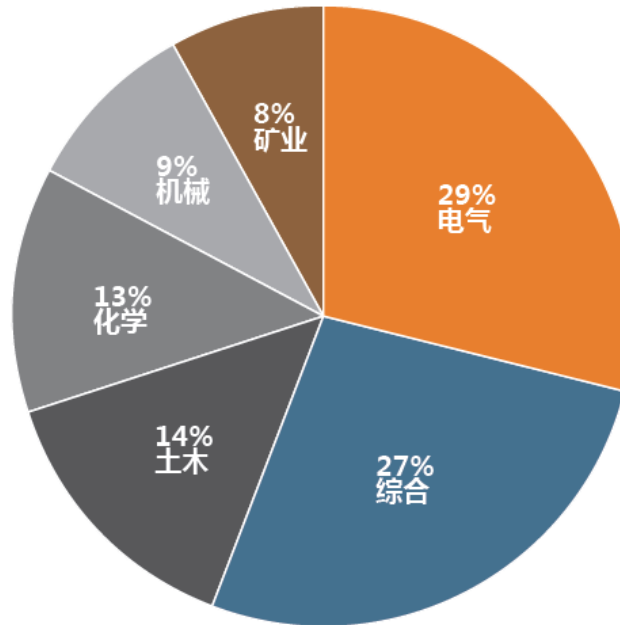
来自**78个**国家的**2,291个**出版社



2 Ei Compendex工程学科领域

Ei Compendex相关领域

- 应用物理学，包括光学
- 生物工程与生物技术
- 食品科学与技术
- 材料科学
- 仪器仪表，包括医疗器械
- 纳米技术



文摘索引过程



Nickel-based HVOF coatings promoting high temperature corrosion resistance of biomass-fired power plant boilers

Maria Oksa*, Pertti Auerkari, Jorma Salonen, Tommi Varis

VTT Technical Research Centre of Finland, P.O.Box 1000, 02044 VTT Espoo, Finland

ARTICLE INFO

Article history:
Received 18 November 2013
Received in revised form 4 April 2014
Accepted 5 April 2014
Available online 3 May 2014

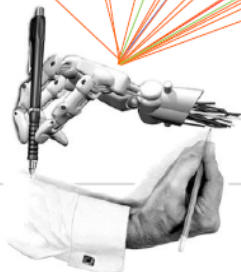
Keywords:

Thermal spray coating
Inconel
High temperature corrosion
Biomass combustion
Corrosion protection
Chlorine induced corrosion

ABSTRACT

There are over 1000 biomass boilers in Europe, and the number is increasing due to actions for reducing greenhouse gas emissions. Biomass boilers often experience strong corrosion due to harmful elements in fuel. In biomass burning, detrimental components include especially chlorine, potassium and heavy metals, which can cause chlorine-induced severe oxidation or hot corrosion by molten phases even at fairly low temperatures. In order to increase the corrosion resistance of heat exchanger components, either more alloyed steels or protective coatings should be applied. High velocity oxygen fuel (HVOF) sprayed coatings may provide corrosion protection for low alloy tube materials. Three nickel based thermal spray coatings (Ni-Cr-Al-C, Ni-Cr-Al-Si-Cr-Al-Mo-Ni and Ni-Cr-Al-Si-Cr) were tested for two years in a 60 MW circulating fluidized boiler (CFB), which had experienced severe corrosion and a tube failure. The coated tubes were installed to the cold and the hot economizer. After the exposure the coatings and the substrate materials were analyzed with SEM-EDX. The uncoated boiler tubes corroded strongly, whereas the thermal spray coatings exhibited excellent corrosion performance. This paper presents the tube failure at the cold economizer, exposure conditions, the analysis of the coated and uncoated samples, and the corrosion mechanisms of the exposed tubes.

© 2014 Elsevier B.V. All rights reserved.



受控词及非受控词

分类号

会议信息

会议码

NEW

数值数据索引

NEW

化学索引

- 根据Ei工程索引叙词表进行索引 (始于1884年)
- 受控词汇由各个学科专家设计并维护
- 学科领域特制索引：
 - 实现高精度度及查全率
 - 节省时间
 - 解决拼写不同、缩写问题
 - 同义词及同形异义词均得到考虑
- 数值数据索引以及化学索引

Engineering Village™

Ei独特的叙词表

Comparison of geotechnical properties from large-diameter long cores and borings in deep water Gulf of Mexico

Abstract: Large-diameter long piston cores (Jumbo Piston Corer, JPC) and Large-diameter Gravity Cores (LGC) were taken immediately adjacent to previously drilled geotechnical borings at three floating platform sites: Auger, Jolliet, and Marlin. This task was included as part of a more comprehensive NSF program on seabed processes in the deep water Gulf of Mexico. Sediment properties measured included bulk density, magnetic susceptibility, compression wave velocity, vane shear strength, and unconsolidated-undrained triaxial strength. A comprehensive geotechnical-testing program confirms the samples are high quality and shear strengths within the 63-ft core depth were comparable to the results of tests on the geotechnical borings. The exception occurred when gassy deposits were encountered. The use of the LGC and Multi-Sensor Core Logger (MSCL) in conjunction with the JPC proved to be valuable in assessing the quality and continuity of the piston cores. At the Auger and Marlin sites, there was good agreement between the sediment properties obtained from the borings and cores. At the Jolliet site, the values of strength obtained from the core in the upper 10 to 20-ft. were comparable to the values obtained from the borings. With modifications, the long coring system can be extended to depths of 1000 ft. Large-diameter long piston cores and gravity cores can provide an economical alternative to traditional borings, pipelines, suction caissons, and identification of geohazards.

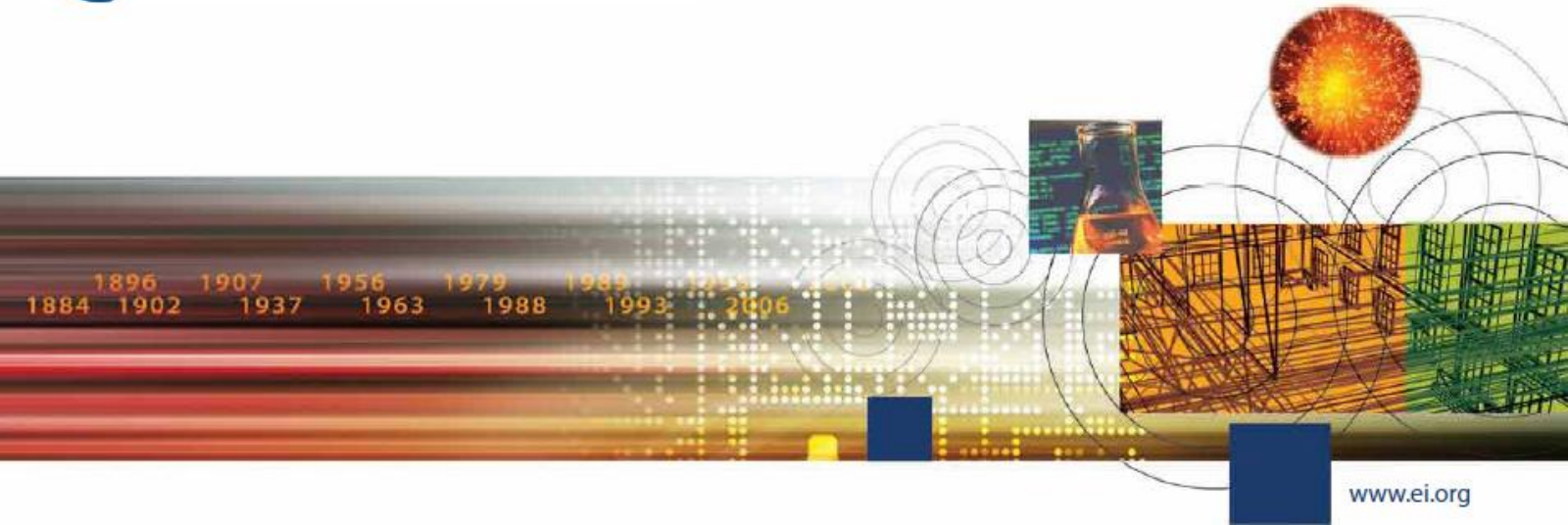
来自Ei叙词表
自1884年发展至今

Controlled terms: [Core drilling](#) - [Density \(specific gravity\)](#) - [Geotechnical engineering](#) - [Hazards](#) - [Magnetic susceptibility](#) - [Mooring](#) - [Offshore pipelines](#) - [Petroleum geology](#) - [Production platforms](#) - [Sediments](#) - [Shear strength](#)

Uncontrolled terms: [Compression wave velocity](#) - [Geotechnical properties](#) - [Large diameter long piston cores](#) - [Sensor core logger](#)

Classification code: [481.1](#)Geology - [483.2](#)Foundations - [511.1](#)Oil Field Production Operations - [674.2](#)Marine Drilling Rigs and Platforms - [701.2](#)Magnetism: Basic Concepts and Phenomena - [931.2](#)Physical Properties of Gases, Liquids and Solids

Numerical data indexing: Size 1.92e+01m, Size 3.05e+00m to 6.10e+00m, Size 3.05e+01m



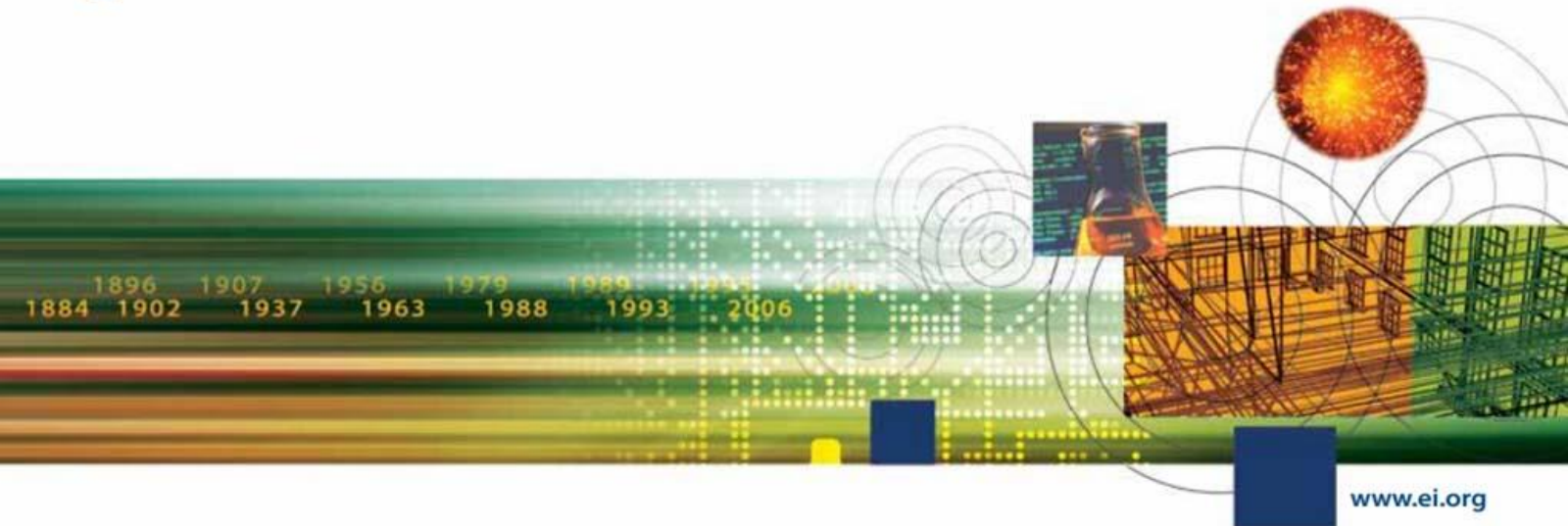
检索方式

- Quick Search - 快速检索
- Expert Search - 专家检索
- Thesaurus search - 词库检索





Quick Search - 快速检索



Quick Search – 快速检索

页面介绍

The screenshot shows the Elsevier Engineering Village search page. Several features are highlighted with red boxes and arrows:

- 功能列；快速检索、专家检索、词库检索**: Points to the top navigation bar.
- Quick search**: Points to the search bar area.
- 限制条件、排序选项**: Points to the filter and sort options below the search bar.
- 增加检索字段**: Points to the '+ Add search field' button.
- 选择数据库**: Points to the database selection checkboxes.

The search bar contains the text: "Search in: All fields for Search for... e.g. transcription factors AND jon smith". Below the search bar, there are filter options: Databases, Date, Document type, Language, Treatment, Discipline, Sort by, Autostemming, and Browse Indexes. The database selection area includes checkboxes for All, Compendex, Inspec, NTIS, PaperChem, Chimica, CBNB, EnCompassLIT, EnCompassPAT, GEOBASE, and GeoRef. The "All" checkbox is selected.

Ei Engineering Village Customer Service

About Ei About Engineering Village Contact and support
History of Ei Accessibility Statement Subscribe to newsletter
Content Available Blog
Who uses EV? Twitter
Privacy matters

以关键词“air pollution”检索：结果页面 - 1

The screenshot shows the Engineering Village search results page for the keyword "air pollution". The page displays 123,241 records from 1884 to 2018. A sidebar on the left offers various filters for refining results, such as Author, Country, and Document type. The main content area lists search results with titles, authors, and source information.

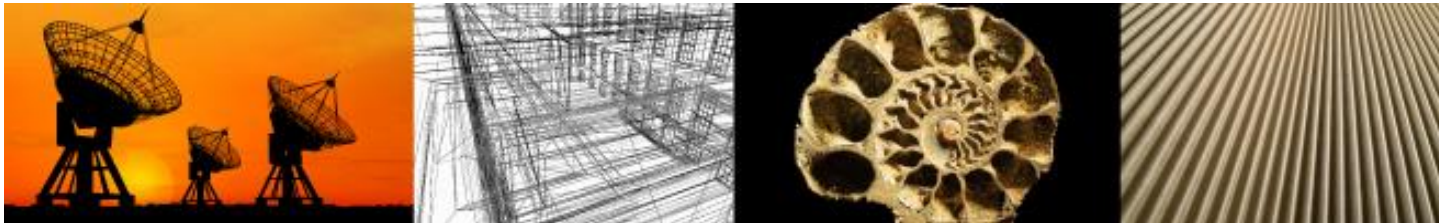
检索结果：
快速检索/篇摘要数据/
数据库： Compendex & INSPECT

数据检索功能

- 图表显示
- 输出数据
- 打开/关闭限缩字段详细信息
- 可用拖曳的方式改变限缩字段顺序

输入关键词开启新的检索

过滤和分析检索结果



过滤检索结果

Engineering Village™
The first choice for serious engineering research.

Numeric filter 0

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

Author

Author affiliation

Classification code

Country

Document type

Language

Year

Source title

Publisher

Funding sponsor

Limit to Exclude

New search with facets

Knovel Search >

Print

1. **Water demand forecasting by trend and harmonic analysis**
Kozłowski, Edward (Lublin University of Technology, Faculty of Mechanical Engineering, Lublin, Poland); Beata; Kowalski, Dariusz; Mazurkiewicz, Dariusz Source: *Water Resources Management*, v 32, n 1, February 1, 2018
Databases: Compendex
Detailed Show preview [Full text](#) [Check local Full text](#)

2. **Estimation of river water temperature from air temperature: Using least square method**
Ouyang, Heng (Department of Civil Engineering, Fujian University of Technology, Fuzhou; Fujian; 350108, China); Xue, Xingsi; Qiu, Zongxin; Lu, Yongsheng Source: *Smart Innovation, Systems and Technologies*, v 81, p 264-271, 2018, *Advances in Intelligent Information Hiding and Multimedia Signal Processing - Proceedings of the 13th International Conference on Intelligent Information Hiding and Multimedia Signal Processing*
Databases: Compendex
Detailed Show preview [Full text](#) [Check local Full text](#)

3. **Catalytic reduction for water treatment**
Hu, Maocong (Department of Chemical, Biological and Pharmaceutical Engineering, New Jersey Institute of Technology, Newark; NJ; 07102, United States); Liu, Yin; Yao, Zhenhua; Ma, Liping; Wang, Xianqin Source: *Frontiers of Environmental Science and Engineering*, v 12, n 1, February 1, 2018
Databases: Compendex
Detailed Show preview [Full text](#) [Check local Full text](#)

4. **Sustainable energy: Human factors in geothermal water resource management**
Tomaszewska, Barbara (AGH University of Science and Technology, Mickiewicza 30, Krakow; 30-059, Poland) Source: *Advances in Intelligent Systems and Computing*, v 599, p 60-71, 2018, *Advances in Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries - Proceedings of the AHFE 2017 International Conference on Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries, 2017*
Databases: Compendex
Detailed Show preview [Full text](#) [Check local Full text](#)

5. **Evaluation and reutilization of water sludge from fresh water processing plant as a green clay substituent**
Ling, Yew Pei (School of Materials and Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia, Nibong Tebal; Penang; 14300, Malaysia); Tham, Ren-Haw; Lim, Siew-Ming; Fahim, Muhammad; Ooi, Chee-Heong; Krishnan, Puspanathan; Matsumoto, Akihiko; Yeoh, Fei-Yee Source: *Applied Clay Science*, v 143, p 300-306, July 1, 2017
Databases: Compendex

- 在Refine Results检索结果中:可依作者、作者所属机构、国家、文献种类等类别进阶筛选:可Include或是Exclude一个或多个标目
- 在Refine Results中可结合超过 一个以上的分析项目, 透过每篇标目前的勾选框勾选要结合的记录

过滤选项

控制词汇

Controlled vocabulary		
<input type="checkbox"/> Water	(76175)	
<input type="checkbox"/> Mathematical Models	(72140)	
<input type="checkbox"/> Computer Simulation	(57816)	
<input type="checkbox"/> Soils	(53764)	
<input type="checkbox"/> Water Quality	(48305)	
View all >		

作者

Author		
<input type="checkbox"/> Wang, Wei	(1194)	
<input type="checkbox"/> Zhang, Wei	(1139)	
<input type="checkbox"/> Li, Wei	(1112)	
<input type="checkbox"/> Wang, Jun	(883)	
<input type="checkbox"/> Wang, Yan	(806)	
View all >		

作者机构

Author affiliation		
<input type="checkbox"/> University Of Chinese Academy Of Sciences	(3096)	
<input type="checkbox"/> U.S. Geological Survey	(2262)	
<input type="checkbox"/> State Key Laboratory Of Water Resources And Hydropower Engineering Science, Wuhan University	(2049)	
<input type="checkbox"/> Cairo Land And Water	(1818)	
<input type="checkbox"/> State Key Laboratory Of Urban Water Resource And Environment, Harbin Institute Of Technology	(1705)	
View all >		

学科分类

Classification code		
<input type="checkbox"/> Chemical Products Generally	(305324)	
<input type="checkbox"/> Chemical Operations	(284168)	
<input type="checkbox"/> Organic Compounds	(258893)	
<input type="checkbox"/> Chemical Reactions	(228331)	
<input type="checkbox"/> Chemistry	(185796)	
View all >		

国家

Country		
<input type="checkbox"/> United States	(300214)	
<input type="checkbox"/> China	(268704)	
<input type="checkbox"/> Japan	(85354)	
<input type="checkbox"/> United Kingdom	(67054)	
<input type="checkbox"/> Germany	(65020)	
View all >		

文献类型

Document type		
<input type="checkbox"/> Journal article	(1171538)	
<input type="checkbox"/> Conference article	(397495)	
<input type="checkbox"/> Dissertation	(18684)	
<input type="checkbox"/> Article in Press	(7993)	
<input type="checkbox"/> Conference proceeding	(7739)	
View all >		

原文语言

Language		
<input type="checkbox"/> English	(1508046)	
<input type="checkbox"/> Chinese	(74904)	
<input type="checkbox"/> German	(18953)	
<input type="checkbox"/> Russian	(13839)	
<input type="checkbox"/> Japanese	(10762)	
View all >		

年

Year		
<input type="checkbox"/> 2018	(269)	
<input type="checkbox"/> 2017	(64800)	
<input type="checkbox"/> 2016	(94832)	
<input type="checkbox"/> 2015	(92476)	
<input type="checkbox"/> 2014	(97399)	
View all >		

刊源

Source title		
<input type="checkbox"/> Water Science And Technology	(21535)	
<input type="checkbox"/> Proquest Dissertations And Theses Global	(18684)	
<input type="checkbox"/> Water Research	(16333)	
<input type="checkbox"/> Advanced Materials Research	(14270)	
<input type="checkbox"/> Proceedings Of Spie - The International Society For Optical Engineering	(14068)	
View all >		

出版社

Publisher		
<input type="checkbox"/> Elsevier Ltd	(144352)	
<input type="checkbox"/> Elsevier	(121944)	
<input type="checkbox"/> American Chemical Society	(67892)	
<input type="checkbox"/> Institute Of Electrical And Electronics Engineers Inc.	(26782)	
<input type="checkbox"/> Springer Verlag	(25231)	
View all >		

赞助机构

Funding sponsor		
<input type="checkbox"/> National Natural Science Foundation Of China	(161440)	
<input type="checkbox"/> National Science Foundation	(2324)	
<input type="checkbox"/> Natural Sciences and Engineering Research Council of Canada	(1002)	
<input type="checkbox"/> National Research Foundation of Korea	(842)	
<input type="checkbox"/> U.S. Department of Energy	(826)	
View all >		

分析检索结果

Numeric filter

Refine results

[Limit to](#) [Exclude](#)

Add a term

Controlled vocabulary



Author

Author affiliation

Classification code

Country

Document type

Language

Year

Source title

Publisher

Funding sponsor

[Limit to](#) [Exclude](#)

New search with facets

[Knovel Search >](#)

- Water demand forecasting by trend and harmonic analysis**
Kozłowski, Edward (Lublin University of Technology, Faculty of Mechanical Engineering); Kowalski, Dariusz; Mazurkiewicz, Dariusz Source: *Applied Mathematical Modelling*, v 52, p 1-12, 2017, 12 p
Databases: Compendex Plus
Detailed Show preview [Full text ?](#) [Check Local Full-text](#)
- Estimation of river water temperature from air temperature: Using least square method**
Ouyang, Heng (Department of Civil Engineering, Fujian University of Technology, Fuzhou; Fujian; 350108, China); Xue, Xingsi; Qiu, Zongxin; Lu, Yongsheng Source: *Smart Innovation, Systems and Technologies*, v 81, p 264-271, 2018, *Advances in Intelligent Information Hiding and Multimedia Signal Processing - Proceedings of the 13th International Conference on Intelligent Information Hiding and Multimedia Signal Processing*.
Databases: Compendex Plus
Detailed Show preview [Full text ?](#) [Check Local Full-text](#)
- Catalytic reduction for water treatment**
Hu, Maocong (Department of Chemical, Biological and Pharmaceutical Engineering, New Jersey Institute of Technology, Newark; NJ; 07102, United States); Liu, Yin; Yao, Zhenhua; Ma, Liping; Wang, Xianqin Source: *Frontiers of Environmental Science and Engineering*, v 12, n 1, February 1, 2018
Databases: Compendex Plus
Detailed Show preview [Full text ?](#) [Check Local Full-text](#)
- Sustainable energy: Human factors in geothermal water resource management**
Tomaszewska, Barbara (AGH University of Science and Technology, Mickiewicza 30, Krakow; 30-059, Poland) Source: *Advances in Intelligent Systems and Computing*, v 599, p 60-71, 2018, *Advances in Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries - Proceedings of the AHFE 2017 International Conference on Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries*, 2017
Databases: Compendex Plus
Detailed Show preview [Full text ?](#) [Check Local Full-text](#)
- Evaluation and reutilization of water sludge from fresh water processing plant as a green clay substituent**
Ling, Yew Pei (School of Materials and Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia, Nibong Tebal; Penang; 14300, Malaysia); Tham, Ren-Haw; Lim, Stew-Ming; Fahim, Muhammad; Ooi, Chee-Heong; Krishnan, Puspanathan; Matsumoto, Akihiko; Yeoh, Fei-Yee Source: *Applied Clay Science*, v 143, p 300-306, July 1, 2017
Databases: Compendex Plus

- 统计图表输出的按钮会出现在每个检索结果项目的旁边
- 此功能允许使用者可以透过图表形式浏览各项目结果数据，或是下载成文字文件并可以输出到其它软件中，例如：Excel

举例：只关注‘中国’近5年的‘air pollution’的研究



Country

<input type="checkbox"/>	United States	(27736)
<input checked="" type="checkbox"/>	China	(14306)
<input type="checkbox"/>	United Kingdom	(5507)
<input type="checkbox"/>	Canada	(4594)
<input type="checkbox"/>	Germany	(4435)

[View more >](#)

Language

<input type="checkbox"/>	English	(109118)
<input type="checkbox"/>	Chinese	(2360)
<input type="checkbox"/>	German	(2152)
<input type="checkbox"/>	Russian	(1115)
<input type="checkbox"/>	French	(398)

[View more >](#)

Year

<input checked="" type="checkbox"/>	2018	(2884)
<input checked="" type="checkbox"/>	2017	(5827)
<input checked="" type="checkbox"/>	2016	(5381)
<input checked="" type="checkbox"/>	2015	(4596)

8. **H15-59: High quality air pollution dispersion modelling using high computational performance Lagrangian particle model**

Graši, Boštjan (MEIS do.o., Mali Vrh pri Šmarju 78, Šmarje - Sap, Slovenia); Makar, Primo; Bonar, Marija Zlata; Kocijan, Juš; Tinarelli, Gianni Source: *Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013*, p 337-342, 2013, *Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013*
Database: Compendex

Detailed Show preview ▾

[Check Local Full-text](#)

9. **Ozone Levels in the North and South of Jordan: Effects of Transboundary Air Pollution**

Alsawair, Jihad Khalaf (University of Nevada, Reno) Source: *ProQuest Dissertations and Theses Global*, 2011
Database: Compendex

Detailed Show preview ▾

[Full text ↗](#)

[Check Local Full-text](#)

10. **Air pollution forecast in cities by an air pollution index highly correlated with meteorological variables**

Cogliani, Euro (Energy Department, ENEA (Agency for New Technologies, Energy and Environment), Box 117, Via Anguillarese, 301 S. Maria di G., 00060 Rome, Italy) Source: *Atmospheric Environment*, v 35, n 16, p 2871-2877, 2001
Database: Compendex

Detailed Show preview ▾ Cited by in Scopus (62)


[Full text ↗](#)

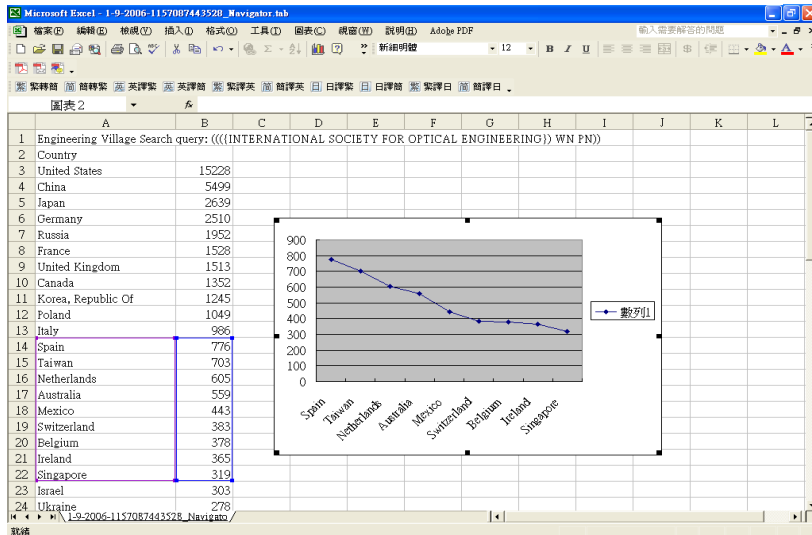
[Check Local Full-text](#)

11. **Responses of serum chemokines to dramatic changes of air pollution**

Li, Yanli (State University of New York at Buffalo) Source: *ProQuest Dissertations and Theses Global*, 2013
Database: Compendex

分析检索结果

- 点选  图标可以让您将图表输出成tab档案
- 您也可以将输出的档案以 **Excel** 软件开启分析管理



Refine Results 的用途

- 了解你的同行吗，他们又有哪些成就呢？
- 了解你关心的课题所涉及的领域，是否能发现新的研究方向
- 了解课题所处的生命周期，通过文献计量的年代分析
- 了解课题的热门期刊，作为投递文章的选择
- 通过文献类型了解论文的分布

经过整理的记录：详细格式

Authors: 点选作者名字找到更多该作者发表的文章

Author affiliation: 每位作者的所属机构

E-mail: 主要作者联络信息

ISSN: 找到更多关于这本期刊的文章

Corresponding Author: 通讯作者

Abstract: 文章内容摘要

Main heading: 主要主题

Controlled term: 索引词汇标准

Uncontrolled term: 相关主题的广义分类

Classification code: 在来源中其它附加优势的词汇和词组

Record 21 from Compendex & Inspec for: ((stress)) WN All fields; 1984-2012

Check record to add to Selected Records

21 Accession number: 200629991405

Title: Stress wave emission and cavitation bubble dynamics by nanosecond optical breakdown in a tissue phantom

Authors: Brujan, Emil-Alexandru^{1,2} ✉, Vogel, Alfred¹ ✉

Author affiliation: ¹ Institute of Biomedical Optics, University of Lübeck, Peter-Monnik-We 4, 23564 Lübeck, Germany
² Department of Hydraulics, University Politehnica, Spl. Independentei 313, 060042 Bucharest, Romania

Corresponding author: Vogel, A. (vogel@brmo.uni-luebeck.de)

Source title: Journal of Fluid Mechanics

Abbreviated source title: J. Fluid Mech.

Volume: 558

Issue date: July 10, 2006

Publication year: 2006

Pages: 281-308

Language: English

ISSN: 00221120

E-ISSN: 14697645

CODEN: JFLSA7

Document type: Journal article (JA)

Publisher: Cambridge University Press

Abstract: Stress wave emission and cavitation bubble dynamics after optical breakdown in water and a tissue phantom with Nd:YAG laser pulses of ns duration were investigated both experimentally and numerically to obtain a better understanding of the physical mechanisms involved in

Number of references: 79

Main heading: Acoustic emissions

Controlled terms: Bubbles (in fluids) - Cavitation - Compressive stress - Computer simulation - Mechanical properties - Semiconductor lasers - Tensile stress

Uncontrolled terms: Cavitation bubble dynamics - Compressive stress wave - Optical breakdown

Classification code: 631.1.1 Liquid Dynamics - 723.5 Computer Applications - 744.4.1 Semiconductor Lasers - 751.2 Acoustic Properties of Materials - 931.2 Physical Properties of Gases, Liquids and Solids

Treatment: Theoretical (THR)

DOI: 10.1017/S0022112006000115

Database: Compendex
Compilation and indexing terms, © 2012 Elsevier Inc.

管理检索结果

[Blog/E-mail/打印/](#)

[下载书目信息/存到我的数据夹](#)



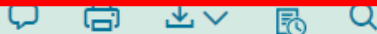
有五种选项保存需要的文章

Record

Record 1 from Compendex for: ((water) WN All fields) , 1884-2018

< Back to results

Full text



Abstract

Detailed

Compendex Refs **43**

Water dem

Kozłowski, Edward

Source: Archives of
10.1016/j.acme.2

Author affiliation
Management, Na
2 Lublin Universit
Nadbystrzycka 40

Download record(s)

NOTE: Your selected records (maximum of 500) will be kept until your session ends. To clear selected records:
* Go to the Selected records page and clear records; OR
* End your session

Location:

- My PC
- Mendeley
- RefWorks
- Google Drive
- Dropbox
- Your Folder(s)

Format:

- EndNote (RIS, Ref. Manager)
- BibTeX
- Text (ASCII)
- CSV
- Excel®
- PDF
- RTF (Word®)

Output:

- Current page view
- Citation
- Abstract
- Detailed record

File name:

Engineering_Village

_current_page_view_Date/Time.pdf

Login or Create account to save to My Preferences

Cancel

Download record(s)

Disposal

存到我的资料夹

注意，此为个人化功能，需注册及登录后才能使用。

The screenshot shows the Engineering Village interface with a 'Download record(s)' dialog box open. The dialog has three sections: 'Location', 'Format', and 'Output'. In the 'Location' section, the 'Your Folder(s)' option is selected and highlighted with a red box. An arrow points from this box to the 'View/Update Folders' dialog box, which is also highlighted with a red box. The 'View/Update Folders' dialog shows a list of existing folders, with 'Water' selected and highlighted. Below the list, there is a 'Create a folder' section with an example folder name 'Example: 'Nanotechnology folder''.

The screenshot shows the 'Folder Name : Water' view. The folder contains 1 record. The record is titled 'Water demand forecasting by trend and harmonic analysis' by Kozłowski, Edward (Lublin University of Technology, Faculty of Management, Department of Kowalski, Dariusz; Mazurkiewicz, Dariusz). The source is 'Archives of Civil and Mechanical Engineering, v 18, n 1, p 140-148, January 2018'. The database is 'Compendex'. There are buttons for 'Full text' and 'Check Local Full-text'.

标签功能



Tags & Groups

[Browse tags](#)[Search tags](#)[View/Edit groups](#)[Rename/Delete tags](#)

Display: Public



1 123 Ad Hoc networks AP Arabidopsis thaliana assessment BUPT cao Capillary electrophoresis Cloud Index Conducting polymers Contact resistance Data sets Datasets E12 Electro
Electronics cooling ESJP Fault diagnosis folksonomy Gene expression Gulf of Mexico Hydrogen production Informatics Information Literacy irr irrelevant Lead Free solder
Metamaterials Microchannels Modeling My Nanoparticles Ni Chen Noise sources nope Numerical modeling Oil Spills Paper Ontology Optical Burst Switching OBS Optical netwo
fibers Photonic crystals Power Quality Room temperature Sea Surface Temperature SST Sensor networks Silicon photonics Soil properties Stars Suction Support Vector Machine SVM Support vector machines survey
paper tag clouds tagging TEST Thermal aging Thermal management Triaxial tests Unsaturated Soils ustc Volume rendering Water content Water management waynestate Web Services Wireless Sensor Networks
xionghui yes

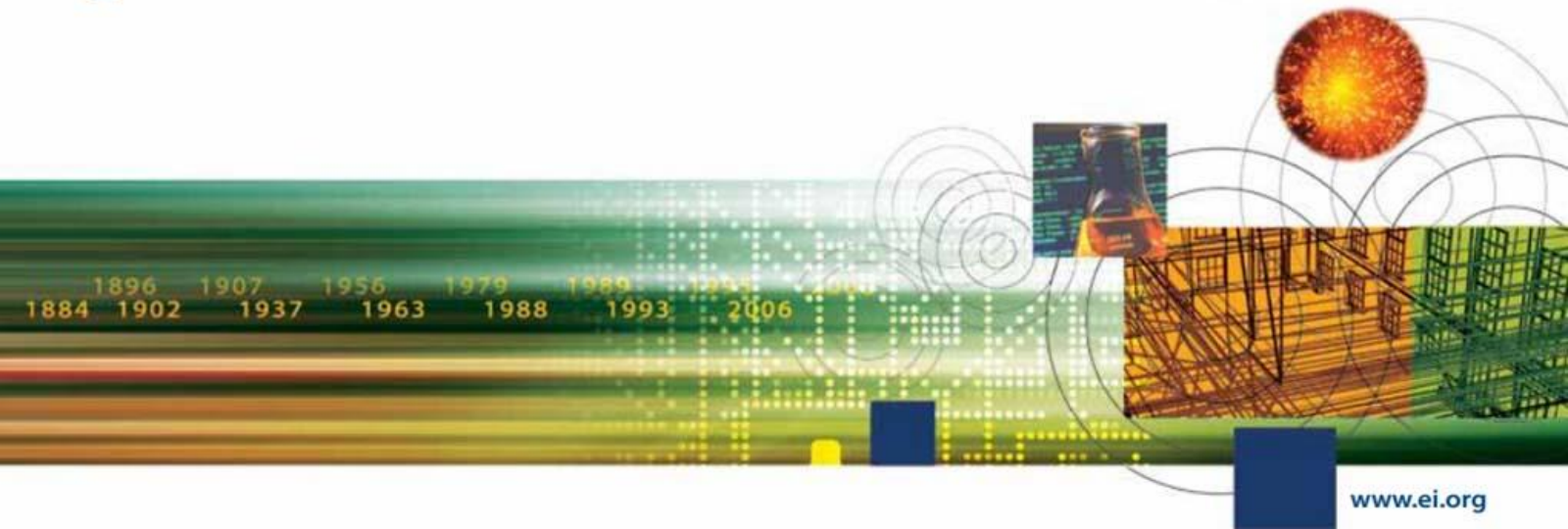
- My preferences
- Personal details
- Change password
- Alerts & Saved searches
- Folders
- Tags & groups**
- Bulletins
- Interactive equations



标签功能



Expert Search - 专家检索



Expert Search – 专家检索



Expert Search - 专家检索

输入检索词汇和检索字段代码

Selected records 0



Create account

Expert search

Search for:

Eg.:smith wn AU and ("autonomous navigation" or radar*)



Reset form

Databases ▾ Date ▾ Sort by ▾ Autostemming ▾ Search codes ^ Browse indexes ▾

检索代码

Database	Code = Field	Code = Field
c = Compendex	AB = Abstract (c,i,n,pc,cm,cb,el,ep,g,f,u,e,k)	CVM= Major term as a reagent (el,ep)
i = Inspec	AN = Accession number (c,i,n,pc,el,ep,g,f,k)	CVM≠ Major term with no role (el,ep)
n = NTIS	AF = Affiliation/Assignee (c,i,n,pc,cm,el,ep,g,f,u,e)	MS = Map Scale (f)
pc = PaperChem	ALL = All fields (c,i,n,pc,cm,cb,el,g,f,u,e,k)	MP = Map Type (f)
cm = Chimica	ANN = Annotation (f)	MI = Material identity number (i)
cb = CBNB	AI = Astronomical indexing (i)	AG = Monitoring agency (n)
el = EnCompassLIT	AU = Author/Inventor (c,i,n,pc,el,ep,g,f,u,e,k)	NT = Notes (n)
ep = EnCompassPAT	AV = Availability (n,cb,f)	NU = see Numerical Data Codes (c,i)
n = GFOR&F	CR = CAS registry number (cm,cb,el,en)	NI = Numerical indexing (i)

Codes displayed will depend on your current database selection

通配符

- *右截词-命中检索词起始部分相同的记录
- Learn* 命中learn, learns, learning, learned, learnt, learner(s), learner's, learnability, learnable

位置算符

- 词组检索 “ ” 或{- 词间不能插词，词序不能颠倒
- “International Space Station”命中包含有词组“International Space Station”的记录
- **Onear/n-** 两个词之间可插入0—n个词，词序不能颠倒,如
- **Distance Onear/3 learning**

查收-人名检索

◆EI数据库的作者有九种写法：以**娃哈哈** (Wa Haha) 老师为例
Wa haha or Wa ha-ha or Wa hh or Wa h-h or Wa h
or haha wa or ha-ha wa or haha w or ha-ha w

◆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
Wa H* or haha w* or ha-ha w *

◆利用作者单位提高查准率

**((Wa H*) or (haha w*) or (ha-ha w *)) wn au AND
(XXX onear univ*) wn af)**

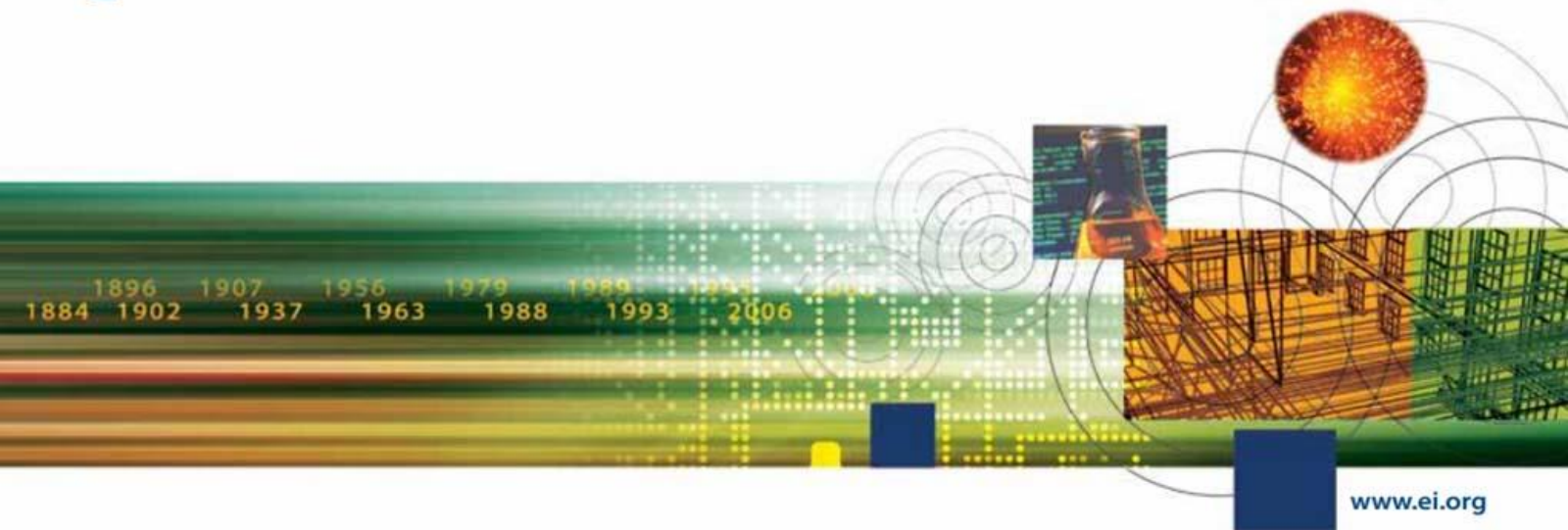
◆用作者查不到某篇文章时，可用篇名试试

查收-机构检索

- 推荐检索式：
- 以清华大学为例
- (tsinghua onear univ* and (beijing or 100084 or china)) wn af and 2015 wn yr
- 由refine results - author affiliation可知，均为清华大学。
- （此检索式只供参考，在借鉴使用时一定要考虑自身情况优化）



Thesaurus Search - 词库检索



Thesaurus Search – 叙词检索

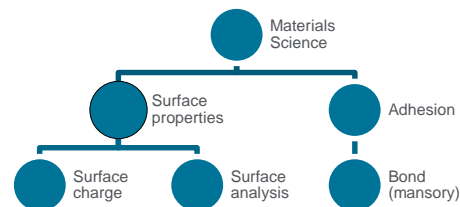


提高主题检索效率的方法（准且全）

- 从文中选词检索易漏检或误检
 - 一个概念有多种表示—**导致漏检** (检索时需要收集同义词，费时麻烦且易漏检)
 - 一个词可以表示多个概念—**导致误检** (cell 细胞、电池 Cell wn ti, 检出的文献中有solar cell, tumor cells等)
- **EI**的解决方案：对文献进行主题标引
 - 做到**标引词与概念一一对应**，
 - 标引词来源于词表，故EI的标引词也称为受控词

Ei工程索引叙词表

源自1884年，目前仍在发展中



索引实现精确搜索和检索



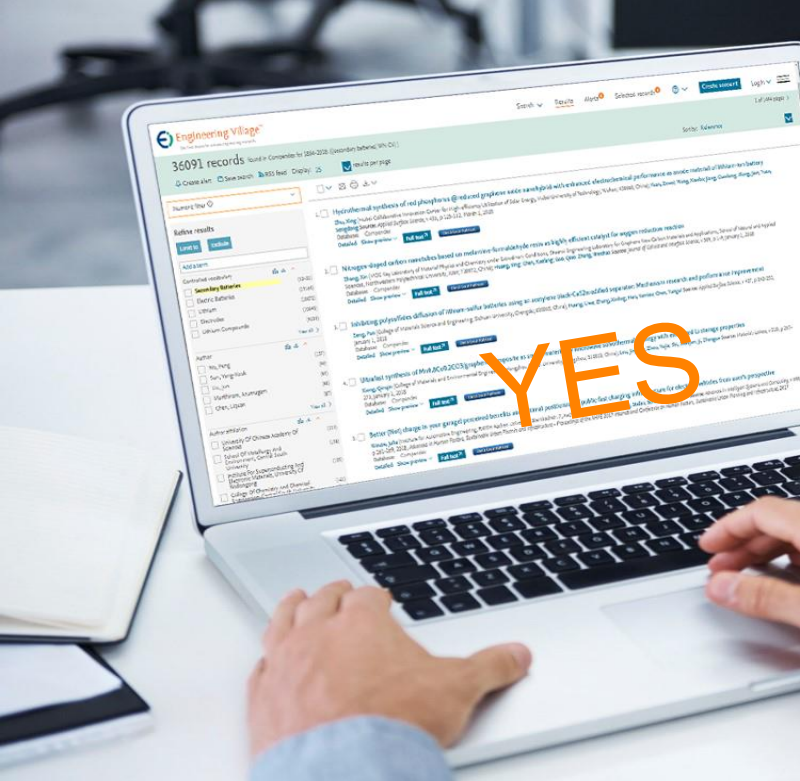
如果没有Engineering Village上的Ei Compendex

NO

工程师需要花上2页半长的搜索
查询才能相当于Ei Compendex叙
词表的贡献

Engineering Village®

而在Engineering Village上的Ei Compendex...



工程师只需通过叙词表中的
“Secondary batteries”在Engineering Village上检索所需结果

Engineering Village™
 The first choice for serious engineering research.

Search ▼ Res

Quick search
 Search in: All fields for rechargeable

Databases ^ Date ▼ Language ▼ Document type ▼ Sort by ▼

All Compendex Inspec NTIS Paper
 GEOBASE GeoRef US Patents EP Patents

Rechargeable batteries
 Recommended terms: Secondary batteries
 Recharging (underground waters)
 Auto Suggest Powered by Ei Thesaurus

- | | | |
|---------------|---------------------------|-------------------------|
| Ei | Engineering Village | Customer Service |
| About Ei | About Engineering Village | Contact and support |
| History of Ei | Accessibility Statement | Subscribe to newsletter |
| | Content Available | Blog |
| | Who uses EV? | Twitter |
| | Privacy matters | |

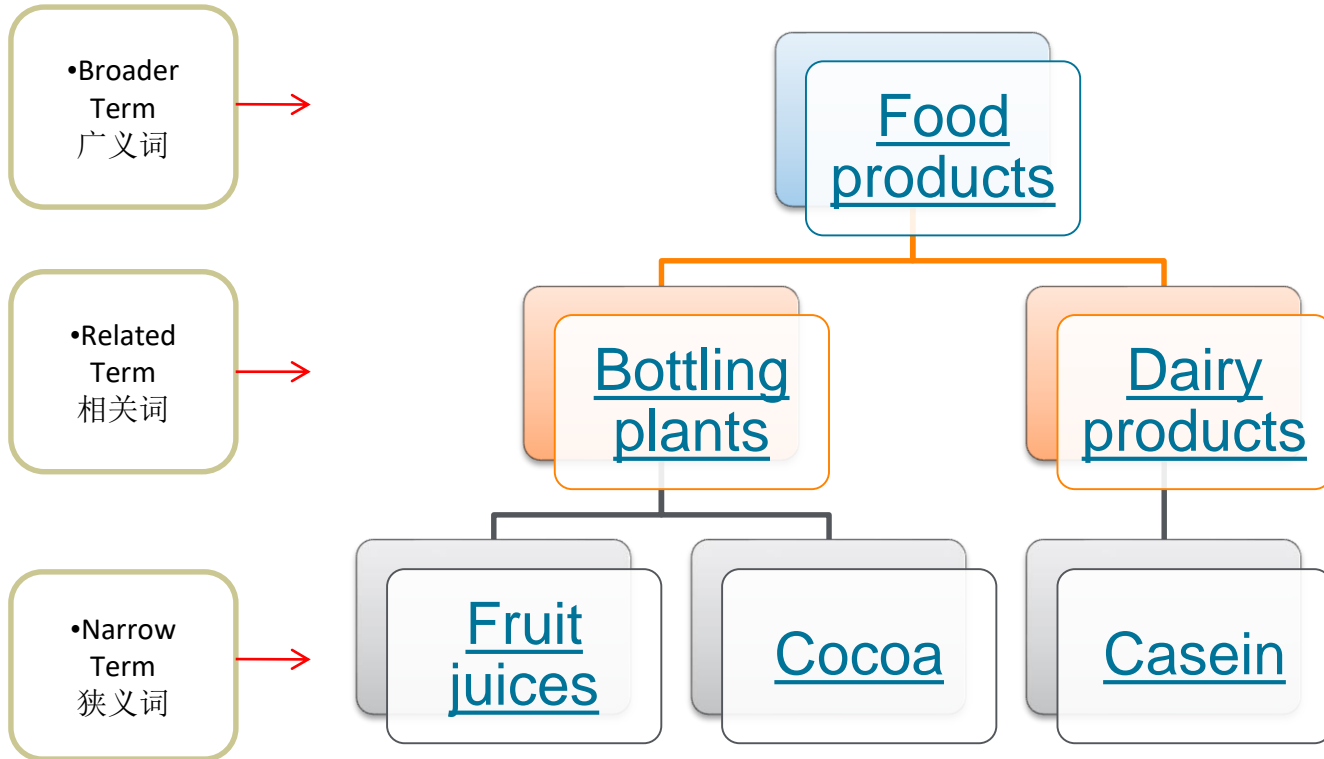
叙词表的作用

- 叙词表是由专业的规范词组成，它可以将同一主题不同表述的词，按主题内容规范在标准的专业词下，避免了由于词汇书写不同造成漏检，或词义概念混淆导致错检的问题。
- 用户利用叙词表可从主题角度检索文献，进而提高文献的查准率。
- 利用叙词表还可以从主题概念的角度扩展或缩小检索范围。

- 控制词汇
 - 不使用其他的术语
- 每年更新
 - 词汇工作组和索引工作人员决定变化
 - 叙词表新版本
- 具体范围标记
 - 受控词的信息

- 分面层次
 - 分面: 按类别分组
 - 层次: 上位类/下位类
- 自动显示的款目
 - 有信心检索专属性的任一层次
- 相互参照
 - 引导用户使用有效款目

THESAURUS词库-Beverages (饮料)



实例一用叙词表选词进行主题检索

- 用Thesaurus方式检索有关气候学中气候变化的温室效应
- 构设计方面的文献。
- 从课题名称中提取概念
 - 气候学 Climatology
 - 气候变化 Climate Change
 - 温室效应 Greenhouse effect
- 专家检索式写法：
- ((({Climatology} WN CV) AND ({Climate change} WN CV) AND ({Greenhouse effect} WN CV)))

用EI叙词表选词

点击“Thesaurus”，打开叙词表，输入关键词，点击“Search Index”，系统显示与之相应的叙词，勾选后，系统将所选的叙词调入检索框。选完词后，点击“search”检索

The screenshot displays the 'Thesaurus search' interface on the Engineering Index website. At the top, the 'Database' section has radio buttons for 'Compendex' (selected), 'Inspec', 'GeoRef', 'GEOBASE', and 'EnCompass'. The 'Search in:' section has a dropdown menu set to 'Exact term' and a search input field containing 'Climate Change'. A 'Search index' button is located to the right of the search input. Below the search bar, the 'Exact term' section shows 'Climate Change' with a list of related terms: 'Climate change', 'Climatology', 'Air pollution', 'Atmospheric composition', 'Atmospheric temperature', 'Climate models', 'Greenhouse gases', 'Global warming', and 'Greenhouse effect'. The 'Greenhouse effect' term is checked. To the right, the 'Selected term(s)' box contains 'Climatology' and 'Greenhouse effect'. The 'AND/OR' section has radio buttons for 'AND' and 'OR' (selected). At the bottom, there are filters for 'Date', 'Document type', 'Language', 'Discipline', 'Treatment', and 'Sort by', along with a 'Reset form' button and a search button.



1896 1907 1956 1979 1989 1998 2000
1884 1902 1937 1963 1988 1993 2006

www.ei.org

个人化功能



My Profile

- 功能
 - 储存检索策略 (125个)
 - 建立E-mail Alert (25篇)
 - 建立个人数据夹
 - 3个资料夹
 - 每个数据夹可储存50篇记录
 - 修改个人账号信息



1896 1907 1956 1979 1983 1993 2006
1884 1902 1937 1963 1988 1993 2006

特别功能

- 数值检索
- PlumX 指数
- 工院校Ei档案
- 检索历史

www.ei.org

CODiE AWARDS ²⁰¹⁸

▶ **Engineering Village with
Numeric Index & Search**
RELX Group

Best Content Search, Discovery
& Analytics Solution

CONGRATULATIONS,
2018 WINNER!

//CODiE//
2018 SIA CODiE AWARDS

数值检索-来自数值数据的更多信息

Comparison of geotechnical properties from large-diameter long cores and borings in deep water Gulf of Mexico

Abstract: Large-diameter long piston cores (Jumbo Piston Corer, JPC) and Large-diameter Gravity Cores (LGC) were taken immediately adjacent to previously drilled geotechnical borings at three floating platform sites: Auger, Jolliet, and Marlin. This task was included as part of a more comprehensive NSF program on seabed processes in the deep water Gulf of Mexico. Sediment properties measured included bulk density, magnetic susceptibility, compression wave velocity, vane shear strength, and unconsolidated-undrained triaxial strength. A comprehensive geotechnical-testing program confirms the samples are high quality and shear strengths within the 63-ft core depth were comparable to the results of tests on the geotechnical borings. The exception occurred when gassy deposits were encountered. The use of the LGC and Multi-Sensor Core Logger (MSCL) in conjunction with the JPC proved to be valuable in assessing the quality and continuity of the piston cores. At the Auger and Marlin sites, there was good agreement between the sediment properties obtained from the borings and cores over the cored depth of 63 ft. At the Jolliet site, the values of strength obtained from the core in the upper 10 to 20-ft, were considerably higher than those obtained from the nearby boring. With modifications, the long coring system can be extended to take 100-ft samples. The use of large-diameter piston and gravity cores can provide an economical alternative to traditional borings for the design of shallow foundations for subsea completions, pipelines, suction caissons, and identification of geohazards.

Controlled terms: [Core drilling](#) - [Density \(specific gravity\)](#) - [Geotechnical engineering](#) - [Hazards](#) - [Magnetic susceptibility](#) - [Mooring](#) - [Offshore pipelines](#) - [Petroleum geology](#) - [Production platforms](#) - [Sediments](#) - [Shear strength](#)

Uncontrolled terms: [Compression wave velocity](#) - [Geotechnical properties](#) - [Large diameter long piston cores](#) - [Sensor core logger](#)

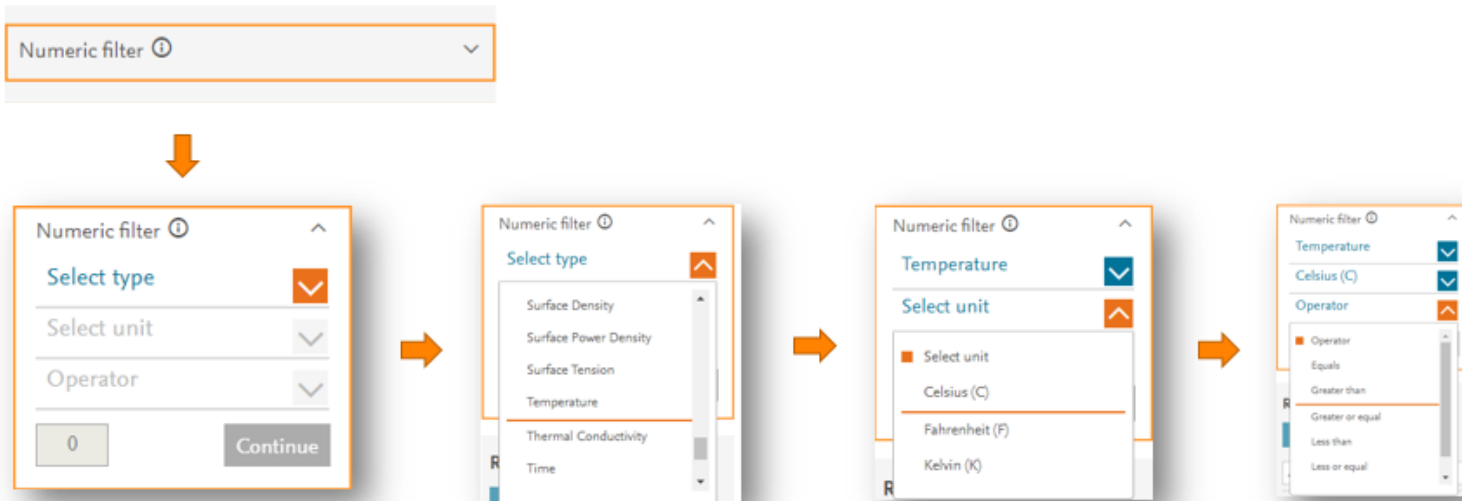
Classification code: [481.1](#)Geology - [483.2](#)Foundations - [511.1](#)Oil Field Production Operations - [674.2](#)Marine Drilling Rigs and Platforms - [701.2](#)Magnetism: Basic Concepts and Phenomena - [931.2](#)Physical Properties of Gases, Liquids and Solids

Numerical data indexing Size 1.92e+01m, Size 3.05e+00m to 6.10e+00m Size 3.05e+01m

数值检索

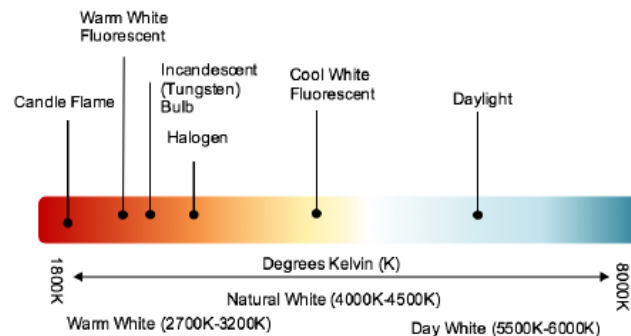
Engineering Village是唯一支持Compendex和Inspec数值搜索的平台。数值数据通常描述工程文献中最重要的方面。通过数字数据索引，研究人员可以访问可能未通过纯文本搜索发现的文档。

- 为Compendex索引的62种不同的物理和化学性质。
- 在Compendex和Inspec数据库中可用于交叉搜索的记录超过650万条。
- 460,000种不同的数字数据写入方式 - 匹配，转换和标准化。



实例：LED灯泡的研发

工程师参与一个LED灯泡的研发项目。该工程师需要开发日照白的LED灯泡，由于色彩取决于灯泡的温度，因此该工程师在EV上进行了基于温度的搜索。



Quick search:



for



Turn off AutoSuggest | + Add search field | Reset form

Refine <<

Numeric filter ⓘ ^

Temperature



Kelvin (K)



Range



Continue

Title: White light-emitting diodes based on ultrasmall CdSe nanocrystal electroluminescence

Abstract: ... hese LEDs have excellent color characteristics, defined by their pure white CIE color coordinates (0.333, 0.333). correlated color temperatures of **5461-6007 K**. and color rendering Indexes as high as 96.6. ...

Numerical data indexing: temperature 5.46e+03K to 6.01e+03K

数值检索优势

一：打破计量单位限制

二：提高查全率-数值检索比关键词检索的结果多出一倍

三：高效便捷地跟踪前沿

Refine your results to the latest cutting edge research for electronic circuits using an easy-to-use numeric search filter.

2,305 records found in Compendex for 1884-2020: ((cmos)WN ALL) * + (NU_SIZE LTE 14 nm) *

1 of 93 pages >

Create alert Save search Share search RSS feed

Sort by: Relevance

Refine << >> Display: 25 results per page

By physical property

Filter results by physical properties such as size, temperature, pressure and many more >

Size

There are 2,305 total results for Size

<= 14

Nanometer (nm) Refine

Controlled vocabulary

- Cmos Integrated Circuits (1,444)
- Mosfet Devices (444)
- Gates (Transistor) (288)
- Mos Devices (282)
- Finfet (230)

View more >

Comparative analysis of standard cells performance for 7nm FinFET and 28nm CMOS technologies with considering for parasitic elements

Ilin, Sergey (JSC 'Molecular Electronics Research Institute', Moscow, Russia); Ryzhova, Daria; Korshunov, Andrey Source: *Proceedings of the 2018 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2018*, v 2018-January, p 1360-1363, March 14, 2018, *Proceedings of the 2018 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2018*

Database: Compendex

Document type: Conference article (CA)

Detailed Show preview Full text Check Local Full-text

Effect of fin shape of tapered FinFETs on the device performance in 5-nm node CMOS technology

Kurniawan, Erry Dwi (Department of Engineering and System Science, National Tsing Hua University, Hsinchu; 300, Taiwan); Yang, Hao; Lin, Chia-Chou; Wu, Yung-Chun Source: *Microelectronics Reliability*, v 83, p 254-259, April 2018

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview Cited in Scopus (3) Full text Check Local Full-text

3. Testing system for radiation effects of CCD and CMOS image sensors

Li, Yu-Dong (Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Urumqi 830011, China); Wang, Bo; Guo, Qi; Ma, Li-Ya; Ren, Jian-Wei Source: *Guangxue Jingmi Gongcheng/Optics and Precision Engineering*, v 21, n 11, p 2778-2784, November 2013

Language: Chinese

Database: Compendex

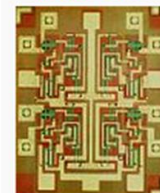
Document type: Journal article (JA)

Detailed Show preview Cited in Scopus (24) Full text Check Local Full-text

4. Opportunities and challenges of FinFET as a device structure candidate for 14nm node CMOS technology

Yamashita, T. (IBM Research, Albany Nanotech., Albany, NY 12203, United States); Basker, V.S.; Standaert, T.; Yeh, C.-C.; Faltermeier, J.;

Semiconductor manufacturing processes



10 μm – 1971
6 μm – 1974
3 μm – 1977
1.5 μm – 1982
1 μm – 1985
800 nm – 1989
600 nm – 1994
350 nm – 1995
250 nm – 1997
180 nm – 1999
130 nm – 2001
90 nm – 2004
65 nm – 2006
45 nm – 2008
32 nm – 2010
22 nm – 2012
14 nm – 2014
10 nm – 2017
7 nm – ~2018
5 nm – ~2020

Create an alert to get all of the articles pushing the boundaries of semiconductor technology delivered to your inbox each week...

PlumX 指数：进一步了解论文影响力

PlumX Metrics



[See details](#)

Usage

Abstract Views: 62

Full Text Views: 44

Captures

Exports-Saves: 2

Readers: 5

Citations

Citation Indexes: 4

PlumX Metrics

PlumX Metrics提供了人们与在线环境中各个研究成果交互方式的衡量。在评估研究文章时，度量标准可用于确定文档的范围或影响。度量标准分为5个独立区域：

Usage - clicks, downloads, views, library holdings, video plays

Captures – Bookmarks and favorites are examples of Captures.

Mentions – Blog posts, comments, reviews, and news media are tracked as Mentions.

Social media -tweets, Facebook likes, etc. that reference the research.

Citations – traditional citation indexes such as Scopus, as well as citations that help indicate societal impact such as Clinical or Policy Citations.

Reach –How many others are using the research.


Repeat Use – Indicates leading indicator of future citations.

Engagement – Mentions is a way to tell that people are truly engaging with the research.

Attention - Social Media can measure “buzz” and how well a particular piece of research has been promoted.

Impact – indicate societal impact such as Clinical or Policy Citations.

工科院校Ei档案 Engineering School Profile


Engineering Village
Search ^

Quick search: for

Databases ^
Date v
Language v
Document type v
Sort by v
Browse ind

All
 Compendex
 Inspec
 NTIS
 PaperChem

GEOBASE
 GeoRef
 US Patents
 EP Patents

Quick


Expert

Thesaurus

Author

Affiliation

Engineering School Profile


Engineering Village
Search v
Results v
Alerts
Selected records
More v
?
🏠
SF


Engineering school profile

Stanford University
35,990 records in Compendex

Filter by: 2008 to 2019 AND Reset filters

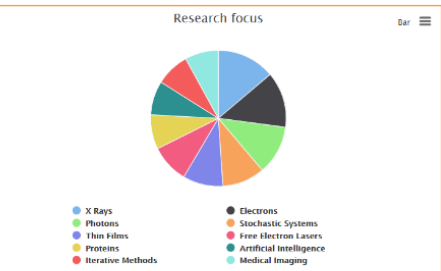
Institutions and Groups ?

Top authors




Author	Total documents
Ekin S. Savaslu	420
Chia-Pi	344
Biao-Danrong	318
Wenqiang Li	291
Wenbin Jia	265
Feng M. M.	236
Tomer, Michael F.	231
Wanrong Peng	189
Nishi, Yoshio	176
Wang, James S.	170

Research focus




- X Rays
- Photons
- Thin Films
- Proteases
- Iterative Methods
- Electrons
- Stochastic Systems
- Free Electron Lasers
- Artificial Intelligence
- Medical Imaging

Funding sponsorship



Publishing trend



Year	Summits
2008	3,227
2009	3,385
2010	3,470
2011	3,569
2012	3,646
2013	3,649
2014	3,891
2015	3,616
2016	3,340

工院校Ei档案

综合基金、研究重点和综合情况做出基于数据的科学决策

基于EI Compendex数据库分析并回答：



基金来源



出版去向



主要科学家



最强学科

Source titles



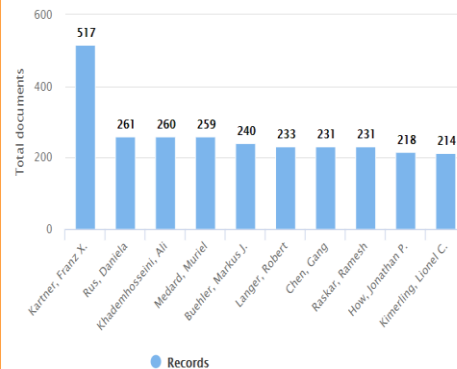
- Physical Review Letters
- Lecture Notes In Computer ...
- Optics Infobase Conference ...
- Proceedings Of Spie - The L...
- Journal Of The American Ch...
- Applied Physics Letters
- Nano Letters
- Optics Express
- Proceedings - lee Internati...
- Journal Of Applied Physics

Funding sponsorship



- National Science Foundation
- U.S. Department of Energy
- National Institutes of Health
- National Natural Science Fo...
- National Stroke Foundation
- Office of Naval Research
- Air Force Office of Scientific...
- Massachusetts Institute of T...
- Defense Advanced Research...
- National Aeronautics and Sp...

Top authors



检索历史

- 可快速访问最近5个检索式
- 可链接到该对话期中所有的检索式
- 可简便地再次进行检索

全新的界面

Engineering Village™

The screenshot displays the Engineering Village search interface. At the top, the search bar contains the text 'alloys'. Below the search bar, the results are shown as '1641373 records found in Compendex & Inspec for 1884-2018: ((alloys) WN All fields)'. A 'Recent results' pop-up window is overlaid on the main interface, listing the top 10 search results. The 'Results' tab in the navigation bar is highlighted with a red circle and shows a count of 10. The 'Recent results' window lists the following search results:

10. 1641373 results for: ((alloys) WN All fields)
9. 7232 results for: (((steel fatigue) WN All fields) AND ((fatigue cracks) WN CV))
8. 69085 results for: ((steel fatigue) WN All fields)
7. 5042 results for: (((autonomous vehicles) WN All fields) AND ((path planning) WN CV))
6. 81488 results for: ((autonomous vehicles) WN All fields)

The 'View all results' button is visible at the bottom of the pop-up window.

Engineering Village



1884 1896 1902 1907 1937 1956 1963 1979 1988 1989 1993 2006

www.ei.org

2019年新功能

- 作者和机构检索 Author & Affiliation Search
- 下载限制放宽



机构检索

基于Institution ID的检索, 提升查准性

← → ↻ https://www.engineeringvillage.com/search/affil/affil.url?searchid=83829645c5064fd18432358fe8a4171e&COUNT=1

应用 ★ Bookmarks in Import Contacts an... CC MBS MBA 幼升小 其他书签



Engineering Village

Search ▾

Results ▾ 36

Alerts 0

Selected records 0

Bulletins

More ▾

? ▾

🏠 ▾

YL

Affiliation name: Renmin University of China



Show exact matches only

* Searches are limited to affiliations within Compendex records

2 affiliation results in Compendex for Affiliation: "Renmin University of China"

1 of 1 pages

Display: 25 results per page

Sort by: Count (DESC)

Refine

By category

Country

- China (1)
- United States (1)

City

- Beijing (1)
- Oakland (1)

Name

Documents

City

- | Name | Documents | City |
|--|------------------------------------|---------|
| 1. Renmin University of China
Renmin University Of China | View 5,223 records | Beijing |
| 2. MOE. Renmin University of China
MOE. Renmin University of China | View 1 records | Oakland |



1 of 1 pages

Display: 25 results per page

Feedback

作者检索

基于ORCID的检索，提升查准性



Engineering Village

Search ▾

Results ▾ ³⁷Alerts ⁰Selected records ⁰

Bulletins

More ▾

? ▾

Library ▾

YL

Author last name:

Du

ORCID:

e.g. 1111-2222-3333-444x



Author first name:

Xiaoyong

Affiliation name:

Renmin University of China

 Show exact matches only | [Reset form](#)

* Searches are limited to authors within Compendex records

2 author results in Compendex for Last name: "Du", First name: "Xiaoyong", Affiliation: "Renmin University of China"

1 of 1 pages

Display: 25

▼ results per page

Sort by: Count (DESC)



Refine <<

By category ^

Source Title ^

 Lecture Notes In Computer Science Including Subseries Lecture Notes In Artificial Intelligence And Lecture Notes In Bioinformatics (2)

Name

Subject area

1. Du, Xiaoyong

Du, X.
Du, Xiao Yong[View 259 records](#)[Create Alert](#)[Request author detail corrections](#) ↗

2. Du, Xiaoyong

[View 6 records](#)[Create Alert](#)[Request author detail corrections](#) ↗

Business, Management and Accounting; Computer Science; Decision Sciences; ...

Computer Science; Mathematics;

BETA TESTING

Affiliation

City

Country

Renmin University of China

Renmin University of China Beijing China

Beijing

China

EV特色

检索利器

- 1.有效筛选和分析：提供**多种字段**支持精确检索，并可做成图表如：控制词汇、索书号、文件形式、刊名等(共10种)
- 2.知识图谱：叙词词表及检索
- 3.专业的专家检索模式：可自行输入检索语法
- 4.一键获取学校Ei收录概览：工科学校档案



致作者的建议

请务必...

- 要符合期刊的宗旨和范围以及编辑政策
- 要有道德地进行研究
- 要坚持遵从出版伦理指南
- 要有选择性地决定在哪里发表以及与谁发表
- 要对不切实际的快速审稿及不透明的审稿结果需要警惕
- 要在接受您论文的会议上进行演讲

请不要...

- 不要向声称与Ei或爱思唯尔有合作关系或保证Ei Compendex收录的出版代理商或经纪商支付费用
- 不要剽窃
- 不要向期刊和/或会议一稿多投
- 不要向一个假会议提交论文



请参考我们的评选标准

Engineering Village™

FAQs From Our Colleague

- Ei期刊会议收录什么标准及流程？

<https://www.elsevier.com/solutions/engineering-village/content/selection-criteria>

- 有老师问Ei记录有一条信息错了，联系谁？

（中文）<https://service.elsevier.com/app/contact/supporthub/engineering-village/>

（英文）editorial@engineeringvillage.com

- 有作者反映，投稿期刊写了Ei刊源，为什么一直检索不到文章？

排查一：先查刊此刊是否包含在源表：<https://www.elsevier.com/solutions/engineering-village/content>

排查二：如果期刊为Ei刊源，则上库查找是否有同期的文章被收录：如果没有，请联系出版社询问是否按时提交资料；如果有直接联系Ei中文客服查找并按要求提供证明材料。

- Ei词表是什么，涉及我的学科吗？

叙词表是由专业的规范词组成，它可以将同一主题不同表述的词，按主题内容规范在标准的专业词下，避免了由于词汇书写不同造成漏检，或词义概念混淆导致错检的问题。

Ei词表电子版是指Thesaurus search的功能。

帮助

Search ▾

Alerts ⁰

Selected records ⁰

More ▾



Create account

Sign in

ing) AND {social media}

Turn on AutoSuggest |

Discipline ▾

Treatment ▾

EnCompassLIT EnCompassPAT

Help

Contact

Ask an expert

Product releases

Quick search tutorial

Video help

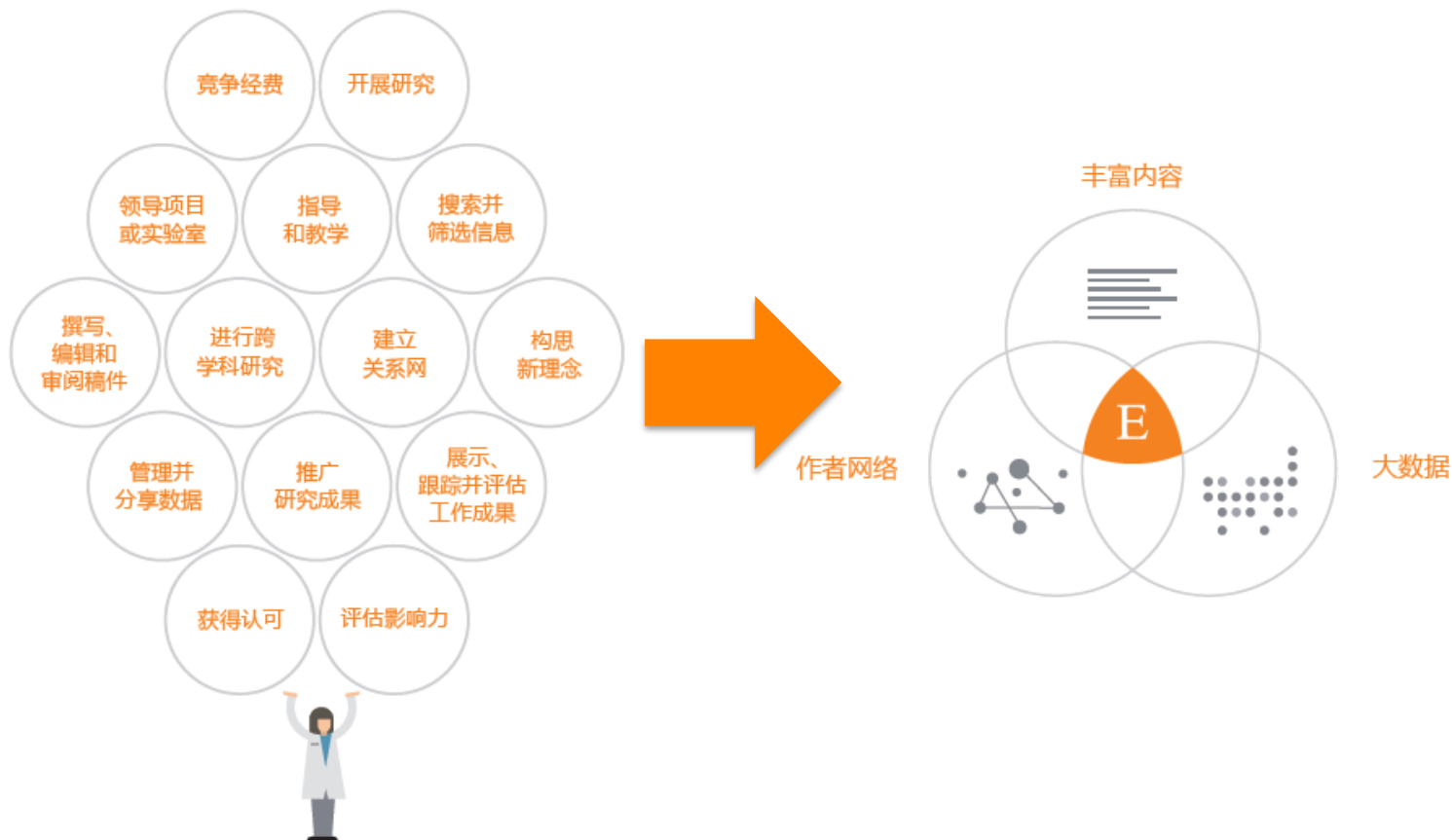
售后服务

- 对于与Engineering Village相关的一般查询，例如数据库访问问题，IP授权，产品使用（例如检索问题和检索式优化等），内容（例如，缺失文章和索引问题），请直接联系我们的客户支持团队（支持中文）：
 - 电子邮件 (除周末外，24小时内保证首次答复):
<https://service.elsevier.com/app/contact/supporthub/engineering-village/>
 - 电话：010-85208765（邮件开case后使用）
 - 在线对话：
https://service.elsevier.com/app/chat/chat_launch/supporthub/engineering-village/
- 有关Engineering Village内容的其他相关问题，请直接用英文联系：editorial@engineeringvillage.com
- 有关Ei Compendex和GEOBASE覆盖范围建议的任何疑问，请直接用英文联系：titlesuggestion@engineeringvillage.com

相关网站资源

- Ei最新刊源信息公布链接为 <https://www.elsevier.com/solutions/engineering-village/content>
- 中文使用指南，培训课件和Webex视频培训：爱思唯尔：
<https://www.elsevier.com/zh-cn/solutions/engineering-village>
- 英文产品相关信息：www.elsevier.com/engineering-village

科学世界的变化给研究人员带来新挑战





ELSEVIER

谢谢!



© 2014 Elsevier