

探索与突破：Engineering Village在 工程领域文献调研及科研中的应用





ELSEVIER

内容目录:

1. EI数据库简介
2. 沈阳工业大学EI收录论文趋势概览
3. EI数据库在工科文献调研中的应用
4. 索引结果在科研及投稿上的分析与利用
5. 文献管理和查新收录简介



EI数据库简介



当前位置： [首页](#) > [论文投稿](#) > [大家是如何选择EI期刊的，有什么好的方法吗？](#)

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作者 Itj1992

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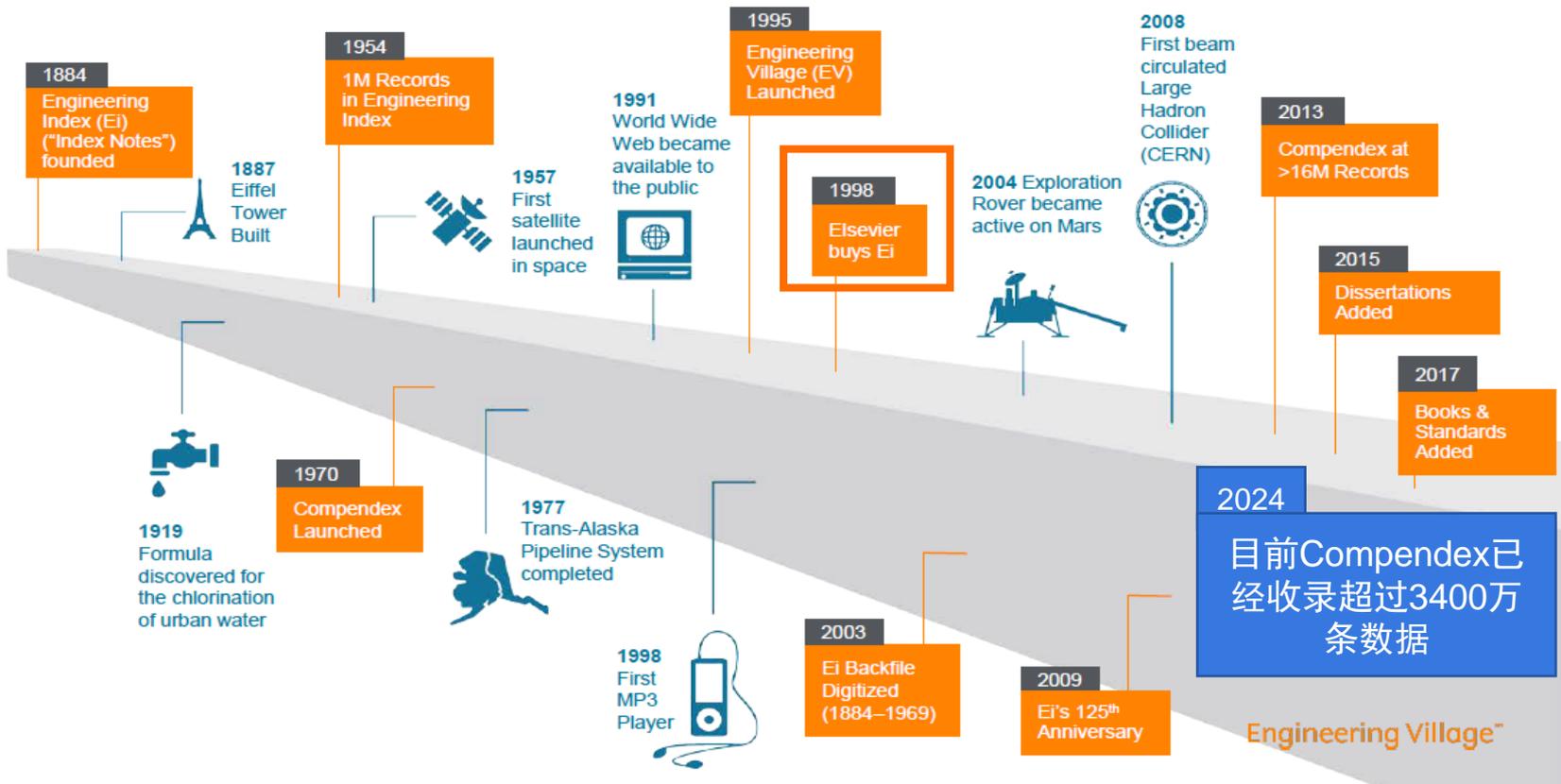
会议ei论文，含金量怎么样？容易发掉吗？

会议与征稿布告 栏	<p>[2019-4-30] 英文普刊长期征稿[面向全科 当月见刊]</p> <p>普刊长期征稿，不送检EI，一般用于基金项目结题，学术论文发表，学术测评、毕业保底等，具体请作者查看自己高校的政策再做选择。众多优质ISTP、EI会议、期刊</p>	fengjiet	2019-04-18 02:28
会议与征稿布告 栏	<p>[2019-06-10][EI检索]2019第三届工程设计和产品创新国际会议...</p> <p>他主持了几次国际会议和期刊，并应邀在世界各地发表主题演讲，并在全球几所大学工作过。...【不投稿的你也可以】（3个选择如下）：1.报告者：如果你只想参加会议并作报告，不出版论文，只需要...</p>	sg8s40	2019-04-18 02:12
会议与征稿布告 栏	<p>[2019-07-10][SCI][牛津大学]2019年第四届先进材料研究与制造...</p> <p>2.优秀文章将提交出版在以下SCI期刊特刊中1)JournalofMaterialsandManufacturingProcesses(OnlineISSN:1532-24752)JournalofSurfaceEngineering...【不投稿的你也可以来】（3个选择如下）：1...</p>	ebubm96	2019-04-18 01:19
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收录工程文献已有134年



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>1.78M条记录
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1884年至1969年

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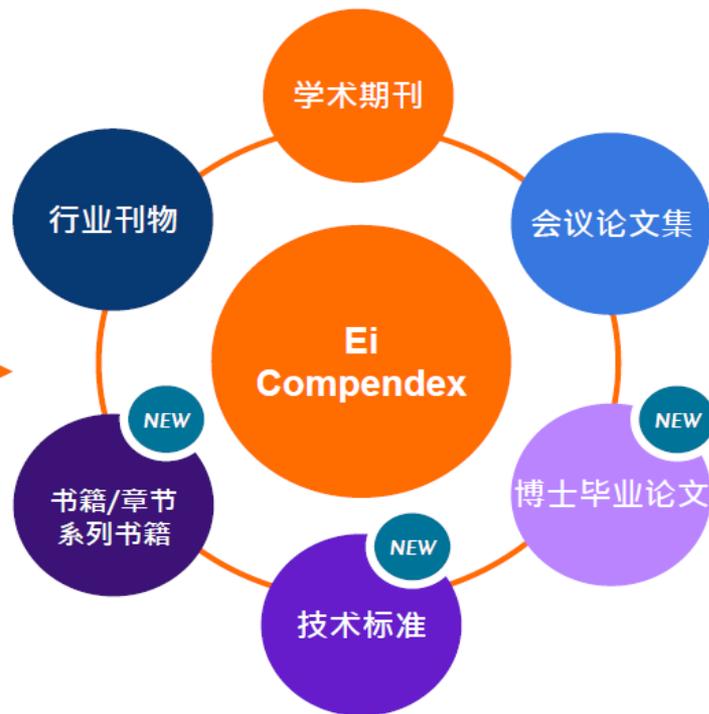
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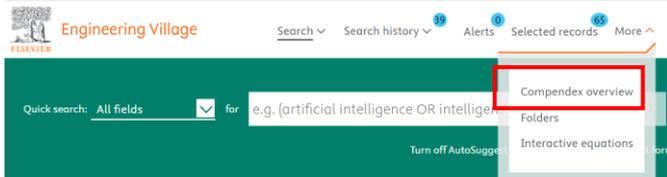


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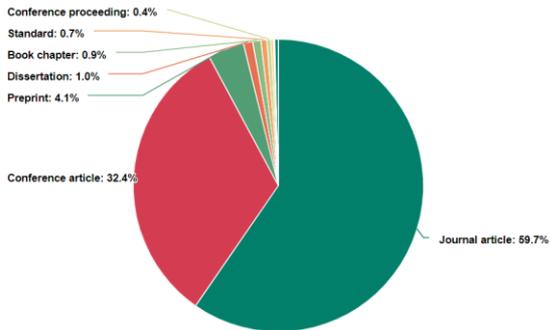
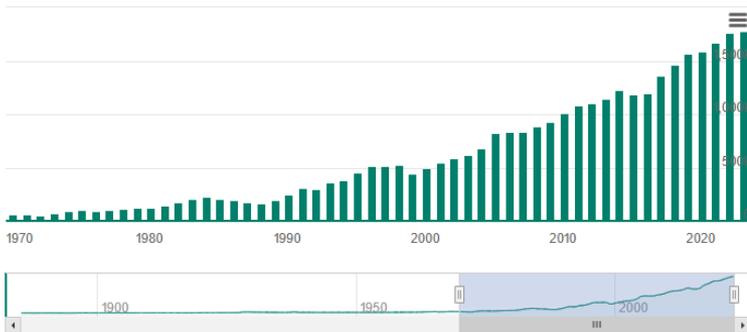
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Publication Year

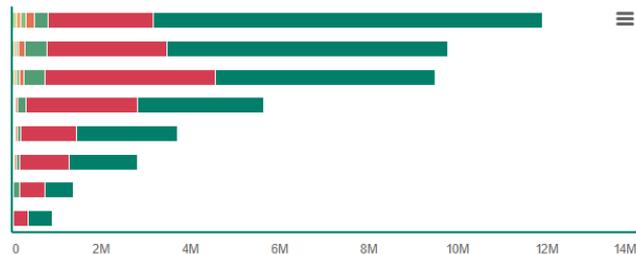
The number of documents for any particular year may vary due to content being added or removed from the Compendex database.

2023	1,809,977	2018	1,461,239
2022	1,760,321	2017	1,356,845
2021	1,674,747	2016	1,199,711
2020	1,591,706	2015	1,183,595
2019	1,569,018		



Subject areas

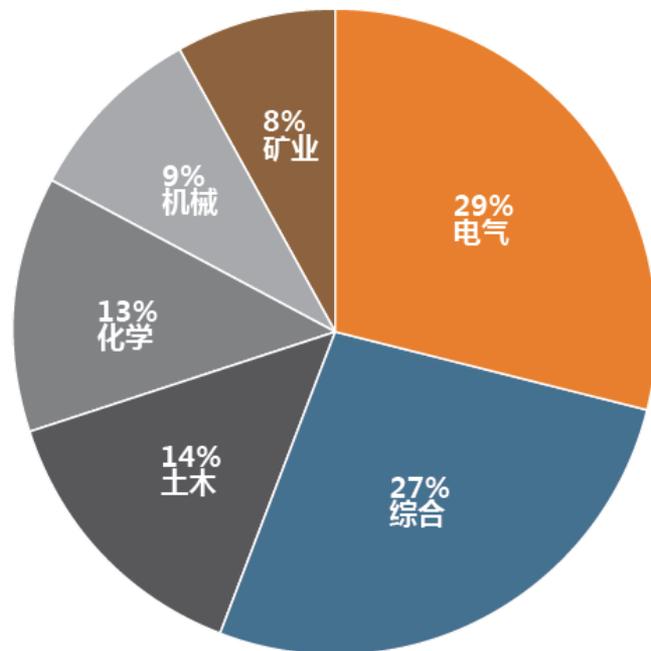
Chemical Engineering & Materials Science	12,056,311
Physics	9,923,205
Computer & Control Engineering	9,544,311
Electrical & Electronic Engineering	5,723,185
Civil Engineering	3,785,291
Mechanical Engineering	2,844,290
Aerospace	1,400,541
Petroleum Engineering	934,993



方法：数据库右上角-More-Compendex Overview

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
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1. Introduction
2. Concepts, advances and applications of XAI r...
3. Challenges and research directions
4. A novel manifesto
CRediT authorship contribution statement
Declaration of competing interest
Acknowledgements
Data availability
References

Information Fusion
Volume 106, June 2024, 102301

Explainable Artificial Intelligence (XAI) 2.0: A manifesto of open challenges and interdisciplinary research directions

Luca Longo^{1,2}, Mario Bircic³, Federico Cabitza^{4,5}, Jaesik Choi^{6,7}, Roberto Confalonieri⁸, Javier Del Ser^{9,10,11}, Riccardo Guidotti¹², Yoichi Hayashi¹³, Francisco Herrera¹¹, Andreas Holzinger¹⁴, Richard Jiang¹⁵, Hoang Thanh Le¹⁶, Gianclaudio Malgieri¹⁸, Andrés Páez^{19,20}, Timo Speith^{25,26}, Simone Stumpf²⁷

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Information Fusion, Volume 106, June 2024

Longo, Luca [1, 2]; Bircic, Mario [3]; Cabitza, Federico [4, 5]; Choi, Jaesik [6, 7]; Confalonieri, Roberto [8]; Ser, Javier Del [9, 10, 11]; Guidotti, Riccardo [12]; Hayashi, Yoichi [13]; Herrera, Francisco [11]; Holzinger, Andreas [14]; Jiang, Richard [15]; Khosravi, Hassan [16]; Le, Hoang Thanh [16]; Malgieri, Gianclaudio [18]; Páez, Andrés [19, 20]; Schneider, Johannes [24]; Speith, Timo [25, 26]

Corresponding author: Longo, Luca

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Engineering Village

Engineering research profile

Shenyang University of Technology ☆

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Wang, Feng	187
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Zhang, Fengge	151
Liu, Zheng	139
Wu, Xiang	126
Li, Yan	122
Wang, Zhi	122
Wang, Wei	121
Chen, Lijia	116
Mao, Pengli	116

Research focus

- Permanent Magnets
- Aluminum Alloys
- Finite Element Method
- Tensile Strength
- Synchronous Motors
- Microstructure
- Scanning Electron Microscopy
- Binary Alloys
- Magnesium Alloys
- Morphology

Funding sponsorship

- National Natural Science Foundation of China
- Natural Science Foundation of China
- Department of Education of Liaoning
- National Key Research and Development Program

Publishing trend

Year	Total documents
2014	385
2015	453
2016	541
2017	627
2018	720
2019	778
2020	1,145
2021	1,315
2022	1,260

方法: Search-Engineering Research Profile-数据库界面左侧输入机构名称

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- Investigation of the physical characteristics of Bi4Ti3O12, Bi2O3, and Bi2O3**
Geng, Yunshuang (School of Science, Shenyang University of Technology, Shenyang, China) October 2024
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Document type: Journal article (JA)
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- Microstructure and mechanical properties of extruded Mg-Zn alloy**
Sha, Sha (School of Materials Science and Engineering, Shenyang University of Technology, Shenyang, China); **Liu, Boshu**; **Li, Shanshan**; **Tang, Yan** Source: *Journal of Materials Research and Technology*
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Document type: Journal article (JA)
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- Investigation on the lattice vibration, mechanical properties from a first-principles calculations**

最热的研究领域是什么?



Research focus



- Permanent Magnets
- Aluminum Alloys
- Finite Element Method
- Tensile Strength
- Synchronous Motors
- Microstructure
- Scanning Electron Microscopy
- Binary Alloys
- Magnesium Alloys
- Morphology

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1. Influence of femtosecond laser textured shapes on the friction

Li, Qiang (School of Mechanical Engineering, Shenyang University of Techn

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Document type: Journal article (JA)

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2. Peculiar microstructure with high damping capacity for Al_{0.5}

Wang, Hongding (School of Materials Science and Engineering, Shenyang U

Yinglei; Yu, Bo; Qiu, Keqiang Source: *Journal of Alloys and Compounds*, v 100

Database: Compendex

Document type: Journal article (JA)

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3. Significantly ameliorating room-temperature brittleness of

Han, Dona (Shenyang National Laboratory for Materials Science, Institute

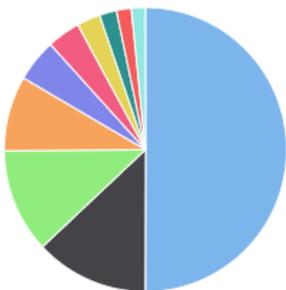
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论文发表趋势?

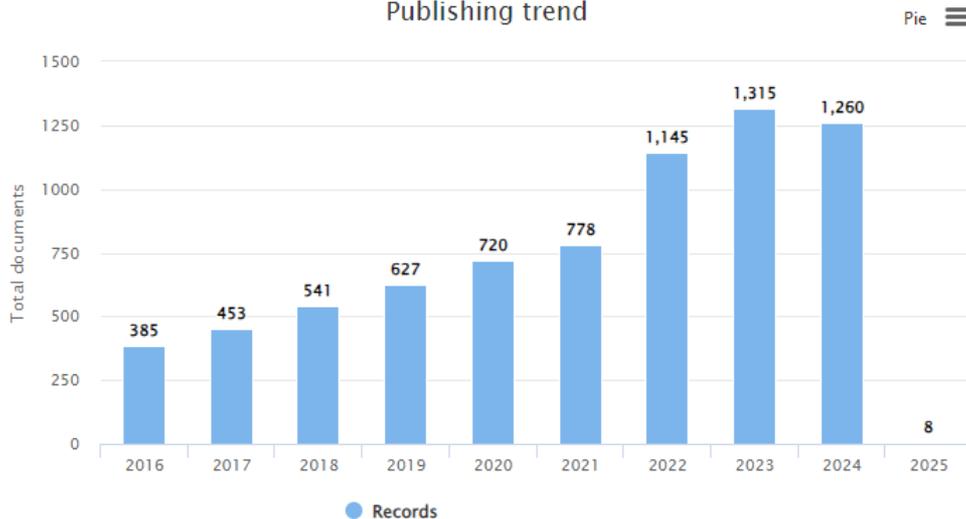


Funding sponsorship



- National Natural Science Fou...
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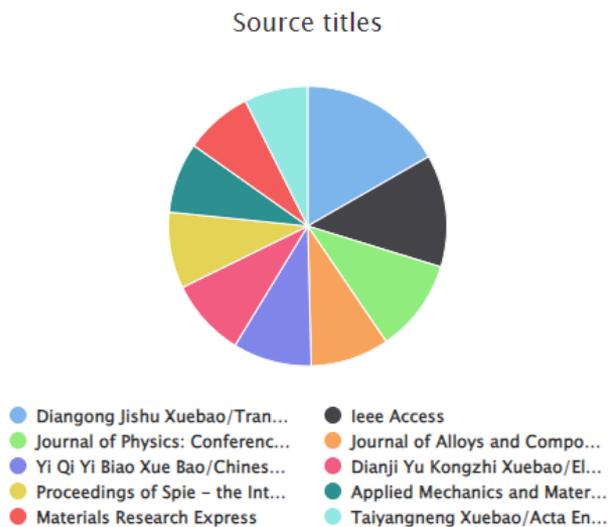
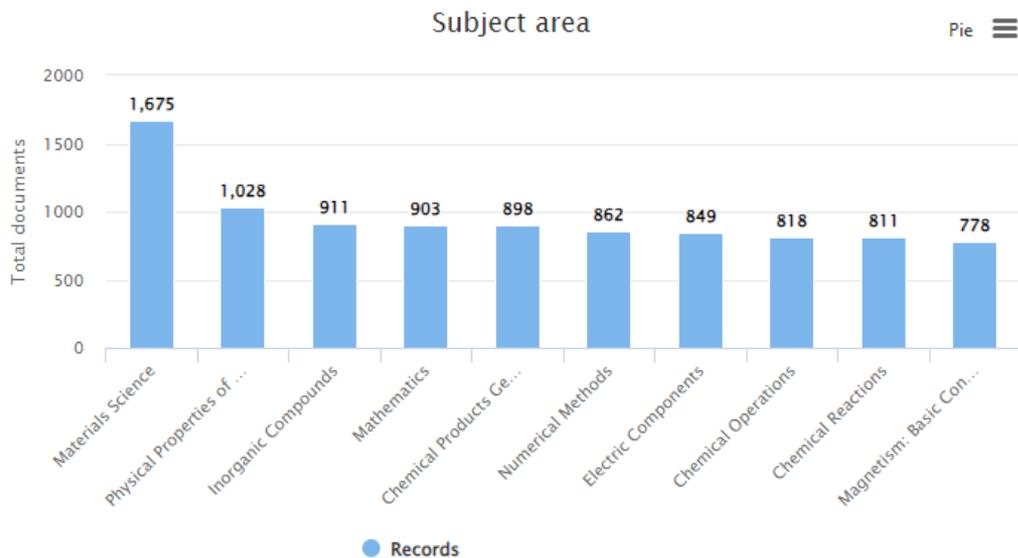
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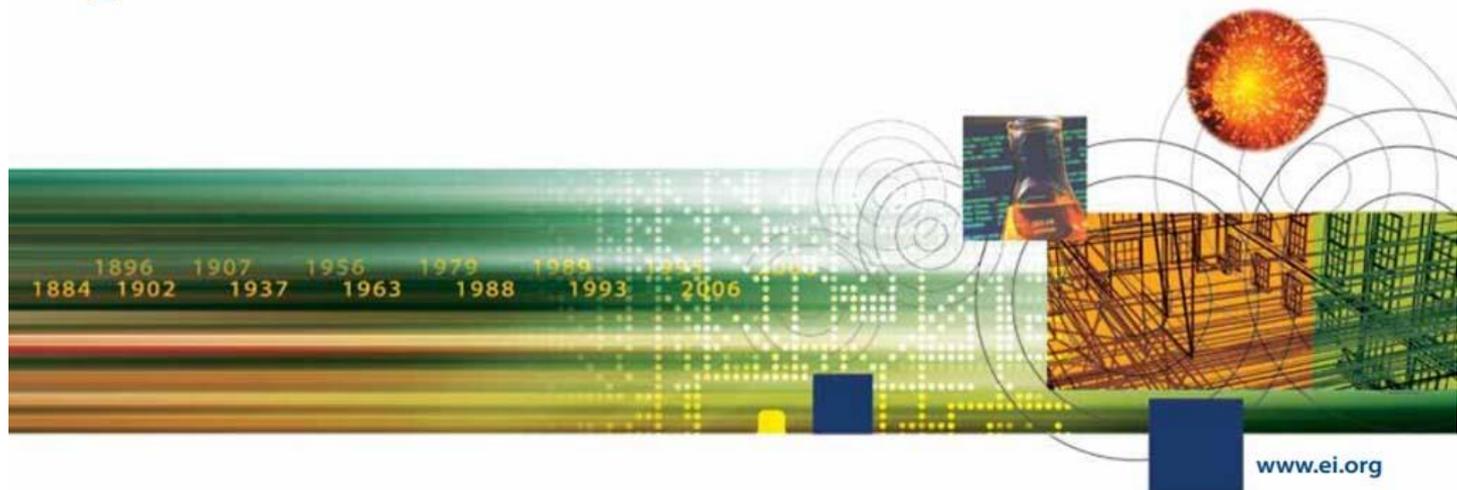
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Report chapter

Book

Dissertation

Note

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Book chapter

Editorial

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Retracted

Author ↗

Publisher ↗

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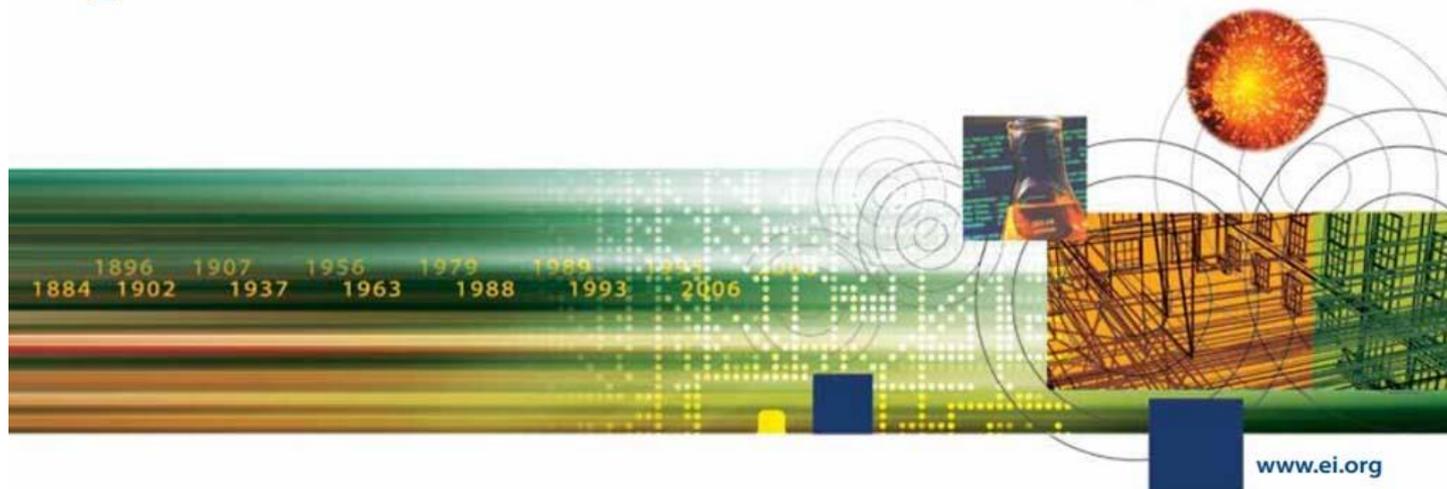
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Expert Search - 专家检索





Expert search:

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Expert search

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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)
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e.g. $((ad*hoc\ networks\ WN\ CV\ OR\ wireless\ sensor\ networks\ WN\ CV)\ AND\ \{protocols\}\ WN\ ALL)\ AND\ (wireless\ WN\ PN\ OR\ network\ WN\ PN)$

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SU = Issue (c)

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NU = [see Numerical Data Codes](#) (c)

CL = Classification code (c)

PA = Patent application date (c)

CN = CODEN (c)

PI = Patent issue date (c)

CC = Conference code (c)

PM = Patent number (c)

Expert search:

(Semiconductor wn TI|and jilin university wn AF)



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1. **A semiconductor-electrochemistry model for design of high-rate Li ion battery**

Zhang, Wei (Key Laboratory of Mobile Materials MOE, and School of Materials Science & Engineering, and International Center of Future Science, and Electron Microscopy Center, **Jilin University**, Changchun; **Jilin**; 130012, China); Wang, Dong; Zheng, Weitao

Source: *Journal of Energy Chemistry*, v 41, p 100-106, February 2020

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview **Full text** ↗

2. **Semiconductor metal oxides as chemoresistive sensors for detecting volatile organic compounds** (Open Access)

Lin, Tingting (College of Instrumentation and Electrical Engineering, **Jilin University**, Changchun; 130061, China); Lv, Xin; Hu, Zhiner; Xu, Aoshu; Feng, Caihui Source: *Sensors (Switzerland)*, v 19, n 2, January 2, 2019

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview Cited by in Scopus (6) **Full text** ↗

Feedback 

5. **Theoretical calculation and experimental study of the electronic structure and catalysis of defected semiconductor**

Li, Ji (Key Laboratory of Functional Materials Physics and Chemistry of the Ministry of Education, **Jilin Normal University**, Siping; 136000, China); Shen, Jason Source: *Physica E: Low-Dimensional Systems and Nanostructures*, v 108, p 399-403, April 2019

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview **Full text** ↗

11. **Effect of Surface Trap States on Photocatalytic Activity of Semiconductor Quantum Dots**
Zou, Haoyang (College of Physics, Jilin University, Changchun; 130012, China); Dong, Chunwei; Li, Suyu; Im, Chan; Jin, Mingxing; Yao, Shiyu; Cui, Tian; Tian, Wenjing; Liu, Yi; Zhang, Hao Source: *Journal of Physical Chemistry C*, v 122, n 17, p 9012-9319, May 3, 2018
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Cited by in Scopus (2) [Full text ↗](#)
12. **Tunable spin waves in diluted magnetic semiconductor nanoribbon**
Lyu, Pin (Department of Physics, Jilin University, Changchun; 130012, China); Zhang, Jun-Yi Source: *Journal of Applied Physics*, v 123, n 1, 2018
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview [Full text ↗](#)
13. **Interlayer coupling in two-dimensional semiconductor materials**
Shi, Zhiming (Key Laboratory of Automobile Materials of MOE, College of Materials Science, Jilin University, Changchun; 130012, China); Wang, Xinjiang; Sun, Yuanhui; Li, Yawen; Zhang, Lijun Source: *Semiconductor Science and Technology*, v 33, n 9, August 17, 2018
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Cited by in Scopus (5) [Full text ↗](#)

Expert search:

(Semiconductor wⁿ TI and jilin onear/0 university wⁿ AF)

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
- 词组检索不能使用通配符与字根符

- **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**

- **Near/n-** 两个词之间可插入0 - n个词，词序可以颠倒，如

- **Distance near/3 learning**

Boolean language search

布尔语言搜索

AND	默认算符，要求多个检索词同时出现在文章中
OR	检索词中的任意一个或多个出现在文章中
AND NOT	后面所跟的词不出现在文章中
通配符 *	取代单词中的任意个 (0,1,2...) 字母 如transplant* 可以检索到transplant, transplanted, transplanting...
通配符?	取代单词中的1个字母 如wom?n 可以检索到woman, women
W/n PRE/n	两词相隔不超过n个词，词序不定 quick w/3 response 两词相隔不超过n个词，词序一定 quick pre/2 response
""	宽松短语检索，标点符号、连字符、停用字等会被自动忽略 "heart-attack"
{ }	精确短语检索，所有符号都将被作为检索词进行严格匹配 {c++}

在EI库中查计算机层析用于火箭无损检测方面的文献

确定概念：计算机层析，火箭，无损检测

概念的逻辑表达式：计算机层 and 火箭 and 无损检测

确定英文检索词：

计算机层析：Computerized Tomography

火箭：Rocket*、Propellant*

无损检测：Nondestructive examination

检索式：

((Computerized Tomography) and (Rocket* or Propellant*)
and (Nondestructive examination)) wn ky

Expert search:

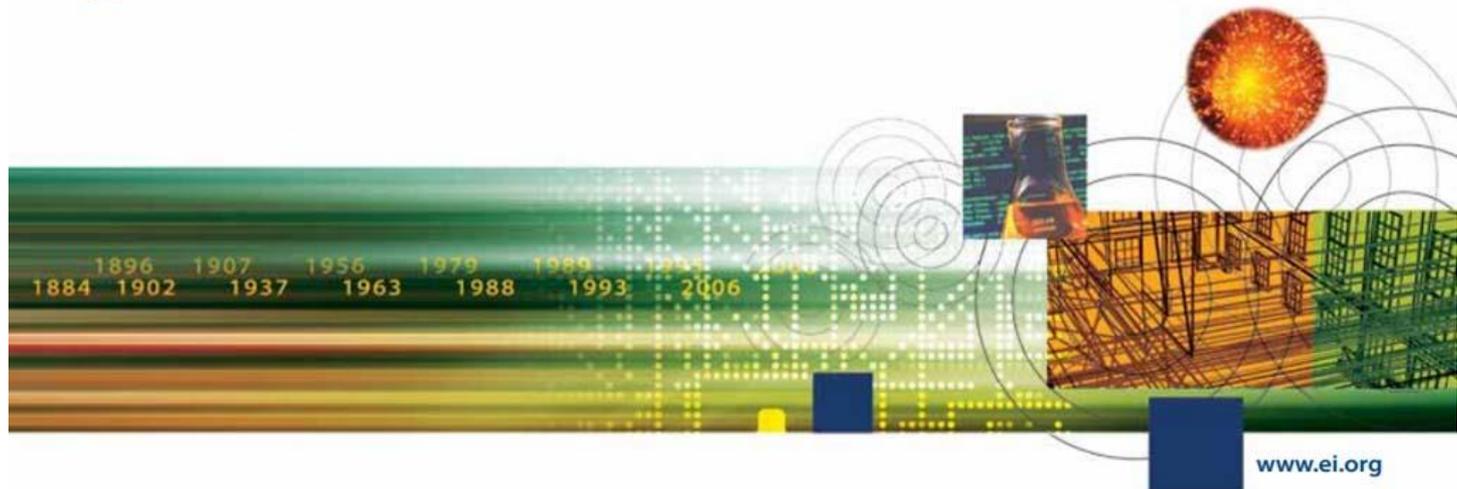
*e.g. ((ad*hoc networks WN CV OR wireless sensor networks WN CV) AND {protocols} WN ALL) AND (wireless WN PN OR network WN PN)*



Reset form



Thesaurus Search - 词库检索



Thesaurus Search – 叙词检索



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。

- 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

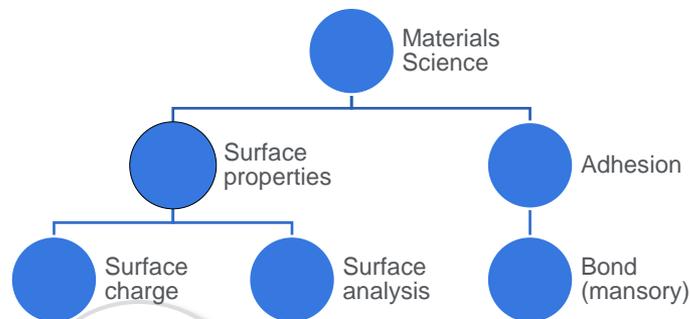
- 有信心检索专属性的任一层次

- 相互参照

- 引导用户使用有效款目

EI工程索引叙词表

源自1884年，目前仍在发展中



11,116

首选词

9,854

非首选词

21,829

词汇总数

13,026

上位词关系

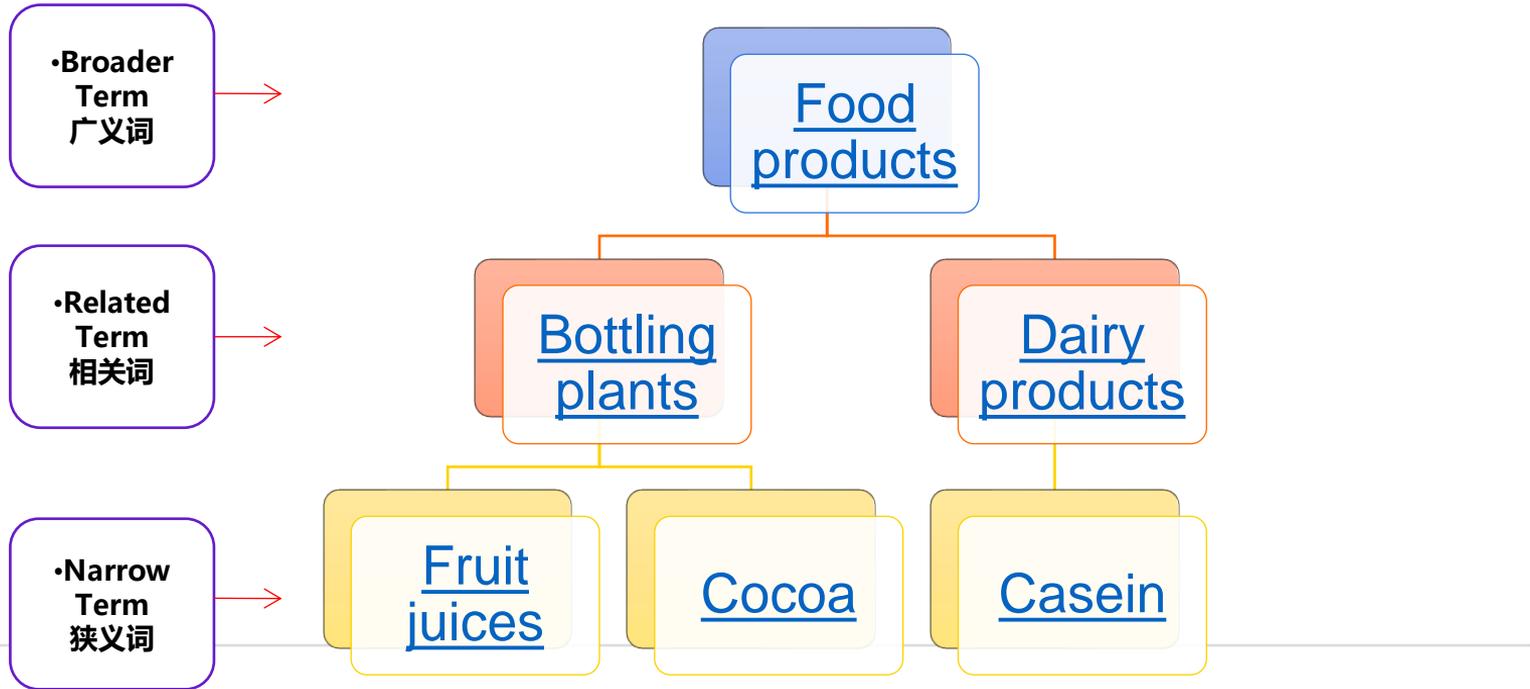
17,450

相关词关系

859

分类码

THESAURUS词库-Beverages (饮料)



叙词检索Thesaurus Search: 迅速高效了解新领域

Exact term results ^

concrete > Architectural Concrete > Concretes

Concretes

For: Concrete; Roadbuilding materials--Concrete

Broader terms

- Composite materials
- Masonry materials

Related terms

- Cements
- Concrete additives
- Concrete construction
- Concrete industry
- Concrete testing
- Portland cement
- Roadbuilding materials
- Setting

Narrower terms

- Architectural Concrete
- Cast in place concrete
- Concrete aggregates
- Concrete dams
- Concrete mixtures
- Concrete products
- Concrete tanks
- Engineered cementitious composite
- Expansive concrete
- Geopolymer concrete
- High performance concrete
- Light weight concrete
- Polymer concrete
- Precast concrete
- Prestressed concrete
- Ready mixed concrete
- Refractory concrete
- Reinforced concrete



Composite materials

Architectural Concrete

Cements

AND
 OR

Reset form



叙词索引将拓展出关键词的:

1. 广义词
2. 相关词
3. 狭义词

可直接勾选进行组合检索

141,789 records found in Compendex for 1884-2023: (((((Composite materials) WN CV) OR ((Architectural Concrete) WN CV) OR ((Cements) WN CV))))

Create alert Save search Share search RSS feed

Refine <<

By physical property
Filter results by physical properties such as size, temperature, pressure and many more ?.

By category Download all

Limit to Exclude

Add a term

Open Access

Preprint articles are included in these search results. To exclude them, please filter by document type. [Learn more](#)

1. **Antibacterial and photocatalytic performance of eggshell-derived CaF₂-mortar cement cc**
Nath, Dikshita (School of Engineering, University of British Columbia, Okanagan, Vancouver, Canada); Azad, Pun
Society, v 59, n 1, p 93-103, February 2023
Databases: Compendex
Document type: Journal article (JA)
Show preview [Full text ?](#) [Check Local Full text](#)
2. **Pypiezo-GO: A software tool for processing electromechanical measurements of piezoele**

索引实现精确搜索和检索

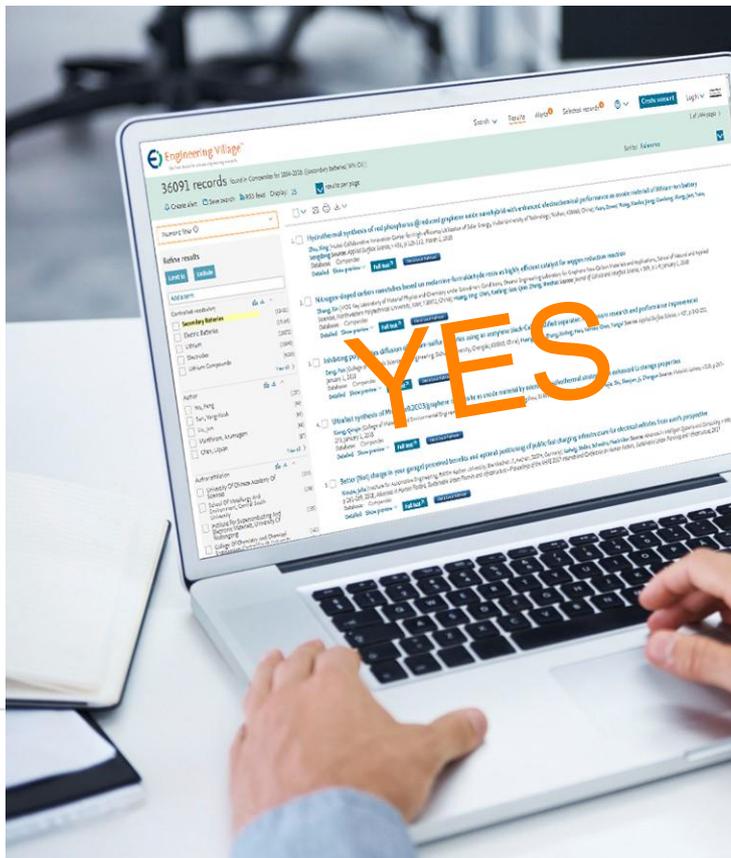


如果没有Engineering Village上的Ei Compendex

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

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

Databases ^ Date ▼ Language ▼ Document type ▼ Sort by

<input type="checkbox"/> All	<input checked="" type="checkbox"/> Compendex	<input type="checkbox"/> Inspec	<input type="checkbox"/> NTIS	<input type="checkbox"/> Paper
<input type="checkbox"/> GEOBASE	<input type="checkbox"/> GeoRef	<input type="checkbox"/> US Patents	<input type="checkbox"/> EP	

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History of Ei

Engineering Village
About Engineering Village
Accessibility Statement
Content Available
Who uses EV?
Privacy matters

Customer Service
Contact and support
Subscribe to newsletter
Blog
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索引结果在科研及投稿上的分析与利用



一、文献收集重点-文献调研阶段

导师给定方向后泛调研

收集该领域的综述文献、博士学位论文；重点利用本领域经典或综述文集数据库

重点阅读英文综述或研究论文标题、摘要；了解前沿、难点、创新点、并收集关键词

确定研究题目=实验室研究背景+当前研究热点+自身兴趣点

确定具体研究题目后的精调研

有针对性的收集文献，重点在于确定内容；利用数据库的分析功能，查找主要的研究者和机构

文献阅读-泛读和精读相结合

确定课题实施方案（技术和方法的创新）

二、论文的选择：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 reads "Engineering Village™ The first choice for serious engineering research." To the right are links for "Search", "Alerts", and "Selected records". Below this is a "Quick search" bar with a search input field containing "Search for... e.g. transcription factors AND jon smith". Underneath the search bar are various filter categories: "Databases", "Date", "Document type", "Language", "Treatment", "Discipline", "Sort by", "Autostemming", and "Browse indexes". The "Treatment" filter is expanded, showing a list of options: "All Treatments", "Experimental", "Management aspects", "Applications", "General review", "Numerical", "Biographical", "Historical", "Theoretical", "Economic", and "Literature review". The "Literature review" option is selected and highlighted with a red box. Two orange callout boxes with blue borders point to the "General review" and "Literature review" options. The "General Review" box contains the text "General Review" and "综述". The "Literature Review" box contains the text "Literature Review" and "文献综述". At the bottom left, the Elsevier logo and "Terms and Conditions" and "Privacy Policy" links are visible.

三、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

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Search Alerts Selected records ?

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 Document types Article in Press Book Book chapter

Conference article Conference proceeding Dissertation Journal article

Patents (before 1970) Report chapter Report review

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Privacy matters

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四、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 interface. On the left, the 'Refine results' sidebar is visible, with two filters highlighted by red boxes and callouts:

- Author** (作者信息): A list of authors with their respective document counts. The 'Author' filter label is highlighted in red.
- Author affiliation** (机构信息): A list of institutions with their respective document counts. The 'Author affiliation' filter label is highlighted in red.

The main search results area shows several entries, including:

- ...ing by trend and harmonic analysis
...iversity of Technology, Faculty of Management, Department of Quantitative Methods in Management, Nadbystrzycka 38D, Lublin; 20-618, Poland);
...Husz; Mazurkiewicz, Dariusz Source: Archives of Civil and Mechanical Engineering, v 18, n 1, p 140-148, January 2018
- ...temperature from air temperature: Using least square method
...oyang, Feng (Department of Civil Engineering, Fujian University of Technology, Fuzhou; Fujian; 350108, China); Xue, Xingsi; Qiu, Zongxin; Lu, Yongsheng Source: Smart
...71, 2018, Advances in Intelligent Information Hiding and Multimedia Signal Processing - Proceedings of the 13th International
...imedia Signal Processing.
- ...and Pharmaceutical Engineering, New Jersey Institute of Technology, Newark; NJ; 07102, United States); Liu, Yin; Yao, Zhenhua;
...vironmental Science and Engineering, v 12, n 1, February 1, 2018
- 4. Sustainable energy: Human factors in geothermal water resource management
Tomaszewska, Barbara (AGH University of Science and Technology, Mickiewiczza 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
Database: Compendex
Detailed Show preview Full text Check Local Full text

五、阅读重点文献——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。

16. **Heavy Metal Removal from Aqueous Effluents by TiO₂ and ZnO Nanomaterials** (Open Access)
Sosa Lissarrague, Matías H. (Instituto de Química Del sur (INQUISA), Universidad Nacional del Sur, Av. Alem 1253, Bahía Blanca; 8000, Argentina); Alshehri, M. A.; Verónica L.; López Corral, Ignacio
Source: Adsorption Science and Technology, v 2023, 2023
Database: Compendex
Document type: Retracted (TB)
Show preview Cited by in Scopus (5) [Full text ↗](#) [Full Text Links ↗](#)
17. **Nanomaterials-Based Nanochannel Membrane for Osmotic Energy Harvesting**
Li, Shangzhen (Research Institute of Membrane Separation Technology of Shaanxi Province, Key Laboratory of Membrane Separation of Shaanxi Province, School of Environmental & Municipal Engineering, Xi'an University of Architecture and Technology, No. 13 Yan Ta Road, Xi'an; 710000, China); Wang, Jin; Lv, Yongtao; Cui, Zheng; Wang, Lei Source: Advanced Functional Materials, v 34, n 4, January 22, 2024
Database: Compendex
Document type: Journal article (JA)
Show preview Cited by in Scopus (1) [Full text ↗](#) [Full Text Links ↗](#)

引文信息

索引结果分析



The image shows a search refinement interface. At the top, it says "By category" and "Download all". Below this are two buttons: "Limit to" and "Exclude". There is a text input field labeled "Add a term". A list of facets follows, each with a bar chart icon, a dropdown arrow, and a "Limit to" button. The facets are: Open Access, Document type, Author, Author affiliation, Controlled vocabulary, Classification code, Country/Region, Language, Year, Source title, Publisher, Funding sponsor, and Status. At the bottom, there are two buttons: "Limit to" and "Exclude", and a text input field labeled "New search with facets" with a search icon.

- **利用Refine字段筛选索引结果**
- **根据文献类型，年份，学科等信息进一步分析：**
 - 了解你的同行吗，他们又有哪些成就呢？ (Author)
 - 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？ (Controlled vocabulary, Classification code, ICS code)
 - 了解课题所处的生命周期，通过文献计量的年代分析？ (Year)
 - 了解课题的热门期刊，作为投递文章的选择？ (Source title, Publisher)
 - 通过文献类型了解论文的分布？ (Document Type)

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	(16140)	
<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 >		

文献管理和查新收录简介



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Windows 7 and above See release notes



选择合适的系统点击下载

Other Systems:



Mendeley Reference Manager for MacOS



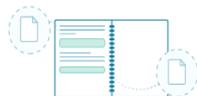
Mendeley Reference Manager for Linux

Your new Mendeley Reference Manager



Manage your references efficiently

Your library now automatically syncs when you add references or make changes



Keep all your thoughts together

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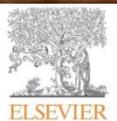


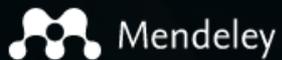
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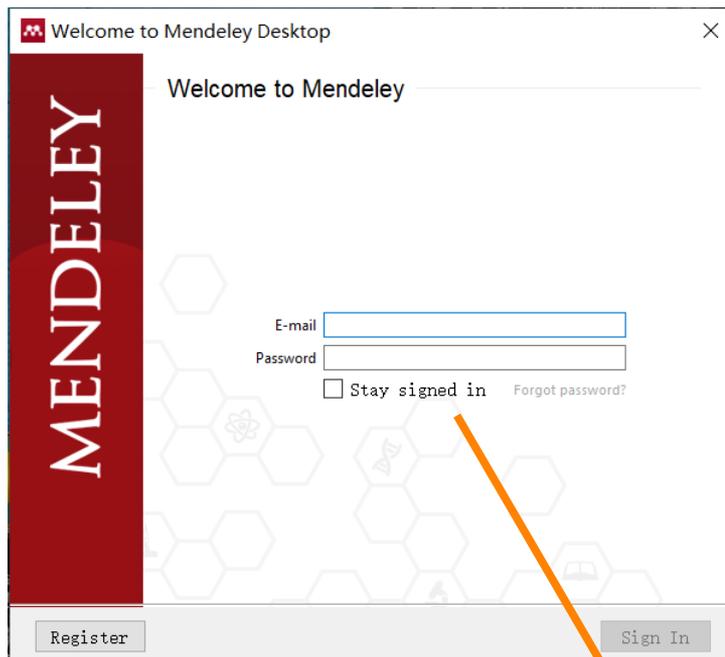
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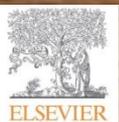
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- 2) Mendeley Cite 写作时整理参考文献

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Coronavirus Peptide Detection
New Collection

GROUPS

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Share 2

	AUTHORS	YEAR	TITLE	SOURCE	ADDED
<input type="checkbox"/>	Huang M, Xu H, Yu H, Zhang H, M...	2022	Fast prediction of methane adsorption in shale nanopores using kinetic theory and machine learning algorithm	Chemical Engineering Journal, (2022), 446	26/09/2022
<input type="checkbox"/>	Haarstad H, Sareen S, Kandt J, C...	2022	Beyond automobility? Lock-in of past failures in low-carbon transport	Energy Policy	20/05/2022
<input type="checkbox"/>	Oda H, Noguchi H, Fuse M	2022	Review of life cycle assessment for automobiles: A meta-analysis	Renewable and Sustainable Energy Reviews	20/05/2022
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Huang M, Xu H, Yu H et al. [See more](#)
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ABSTRACT

Understanding the gas adsorption behavior in shale nanopores is essential for the reservoir estimation and performance prediction of shale gas, which is still unclear considering the complexity of geological environment and nanoporous structure of shale. In general, traditional methods based on experiments and molecular dynamics (MD) simulations are always expensive

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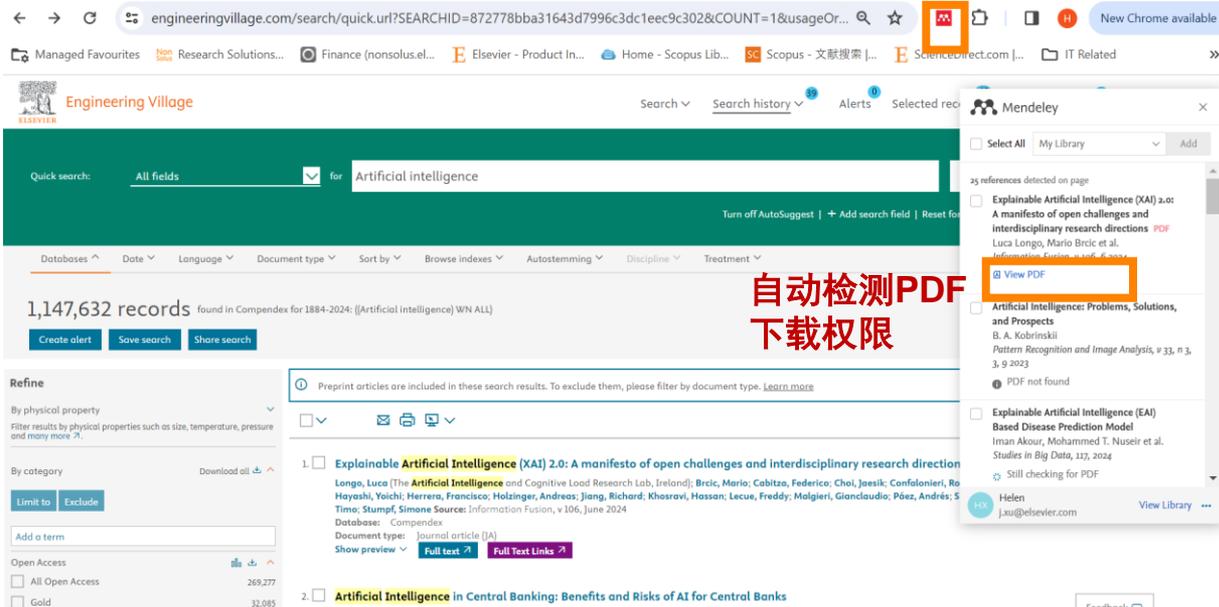
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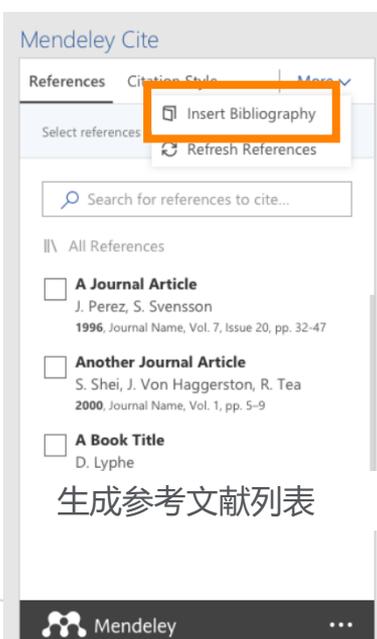
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In this review, a group of two-dimensional (2D) hydrogen-bonded supramolecular networks developed in our laboratory are discussed[1–3]. Our attention is mainly focused on: (1) recognition of Fe³⁺ through two-component molecular networks[1, 2]; (2) site-selective fabrication of 2D fullerene arrays; and (3) fabrication of the nanoporous structure regulated by photoisomerization reaction process.⁴

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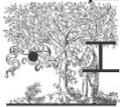
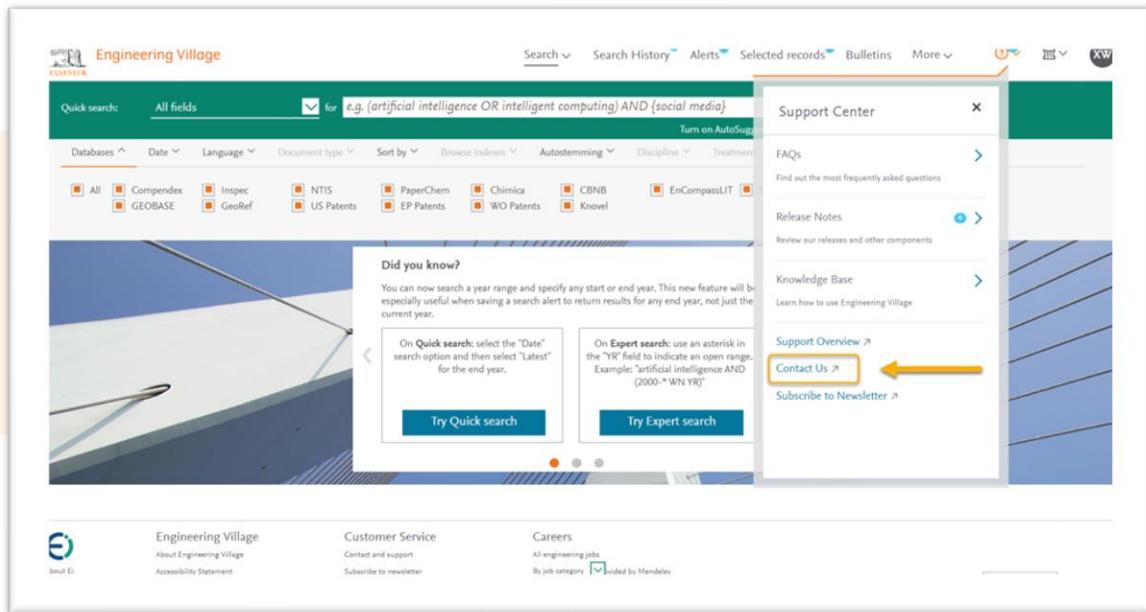
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