



ELSEVIER

Ei Compendex数据库-工程领域科学研究的首选方案

罗莹 Elsevier工程部客户顾问

Tel:13811203142

Email: y.luo@Elsevier.com



在学习和研究过程中，我们经常。。。。



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

以最少的时间和劳力取得最大的成果

索引 — 我们投入精力的关键步骤

获取	规则	分配	分类	质量检查	载入
Compendex 每年增加 1.3 百万条文献记录	通过分配给超过 1.2 万个控制词，人工定义记录的相关性	分配受控词并归一化非受控词以展示最通用的语言与术语	将内容分到特定学科领域中	检查每一篇论文以保证索引区域和元数据分配妥当	每周EV上的 Compendex 载入超过 25,000 条文献记录
内容来自 2200 以上个出版商	EV 学科专家维持规则	增加检索查全率	实现分类码检索	精确度查全率	分配收录号

In Situ Construction of Stable Tissue-Directed/Reinforced Bifunctional Separator/Protection Film on Lithium Anode for Lithium-Oxygen Batteries

Xu, Ji-Jing¹; Liu, Qing-Chao²; Yu, Yue¹; Wang, Jin^{1,3}; Yan, Jun-Min³; Zhang, Xin-Bo¹

Source: *Advanced Materials*, v 29, n 24, June 27, 2017; **ISSN:** 09359648, **E-ISSN:** 15214095; **DOI:** 10.1002/adma.201606552; **Article number:** 1606552; **Publisher:** Wiley-VCH Verlag

Author affiliations: ¹ State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun; 130022, China

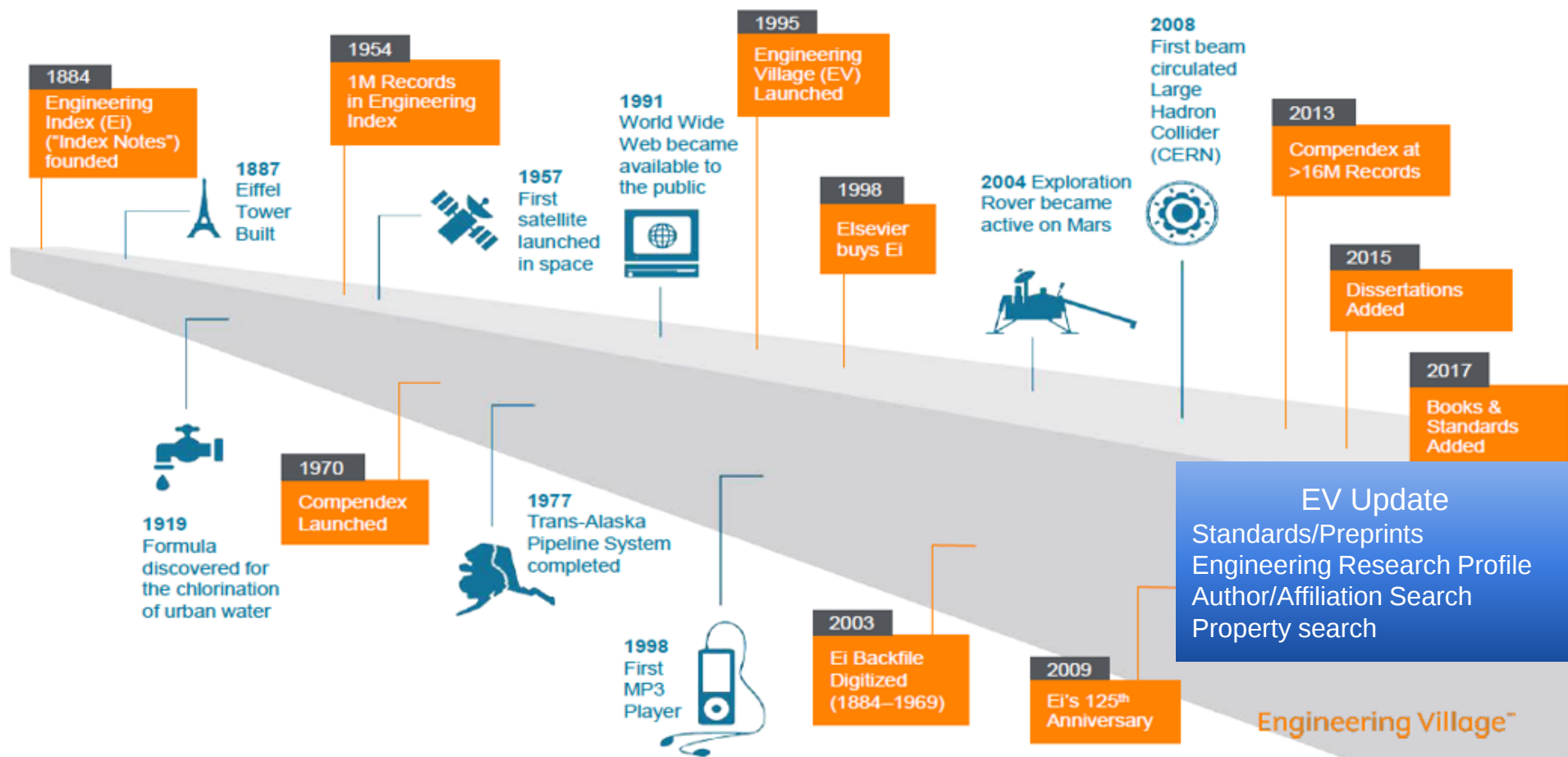
² College of Chemistry and Molecular Engineering, Zhengzhou University, Zhengzhou; 450001, China

³ Key Laboratory of Automobile Materials, Ministry of Education, Department of Materials Science and Engineering, Jilin University, Changchun; 130012, China

Abstract: To achieve a high reversibility and long cycle life for Li-O₂ battery system, the stable tissue-directed/reinforced bifunctional separator/protection film (TBF) is in situ fabricated on the surface of metallic lithium anode. It is shown that a Li-O₂ cell composed of the TBF-modified lithium anodes exhibits an excellent anodic reversibility (300 cycles) and effectively improved cathodic long lifetime (106 cycles). The improvement is attributed to the ability of the TBF, which has chemical, electrochemical, and mechanical stability, to effectively prevent direct contact between the surface of the lithium anode and the highly reactive reduced oxygen species (Li₂O₂ or its intermediate LiO₂) in cell. It is believed that the protection strategy describes here can be easily extended to other next-generation high energy density batteries using metal as anode including Li-S and Na-O₂ batteries. © 2017 WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim
(44 refs)

Controlled terms: **Stable** **Chemical stability** **Electric batteries** **Electrodes** **Lithium** **Lithium sulfur batteries** **Mechanical stability** **Oxygen** **Secondary batteries** **Separators** **Tissue**

Ei和Engineering Village的百年历史



Engineering Village™

- 拥有13个专注专业文摘索引 (A&I) 数据库的平台



4.5 Star Review
for Content

from Charleston Advisor



2018 CODiE
Award Winner

—Best Content, Search,
Discovery & Analytics Solution



20所全球顶尖大学
100% 使用
(US News & World Report)



Ei
特
指

Ei Compendex

Ei Backfile

Inspec

Inspec Archive



GEOBASE

GeoRef



Chimica

CBNB



EnCompassLIT

EnCompassPAT



PaperChem



NTIS



USPTO

EPO

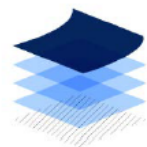
WIPO



Engineering Village™

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

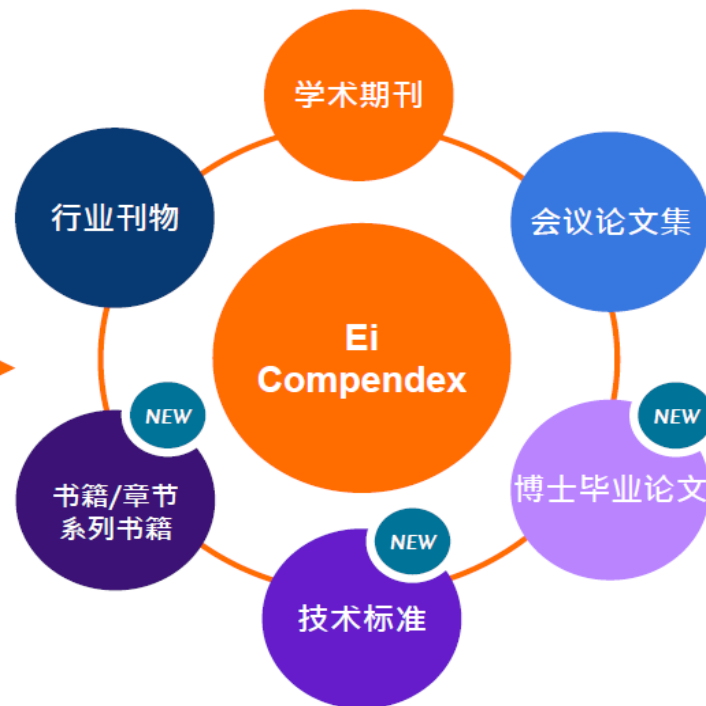
1970年至今



通过DOIs实现全文链接

涵盖**190个**工程相关领域

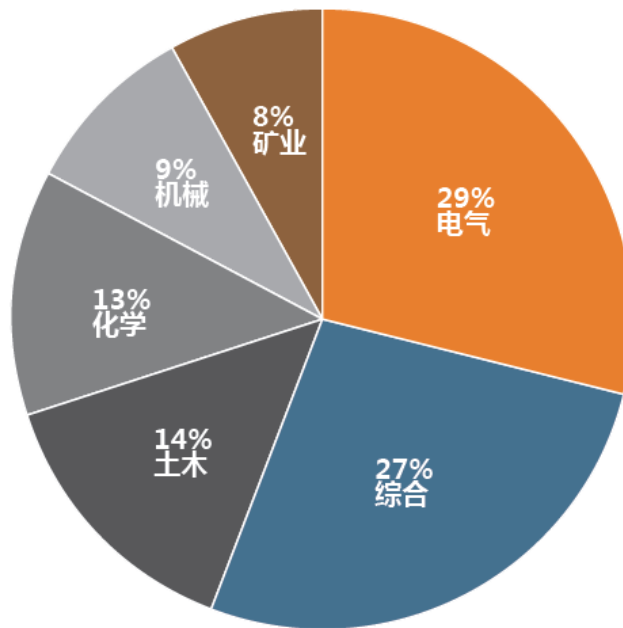
来自**78个**国家的**2,291个**出版社



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



Ei Compendex 有效支撑科研工作流



EI收录详解及常见问题



科研不同阶段-高效的应用EI

ASME

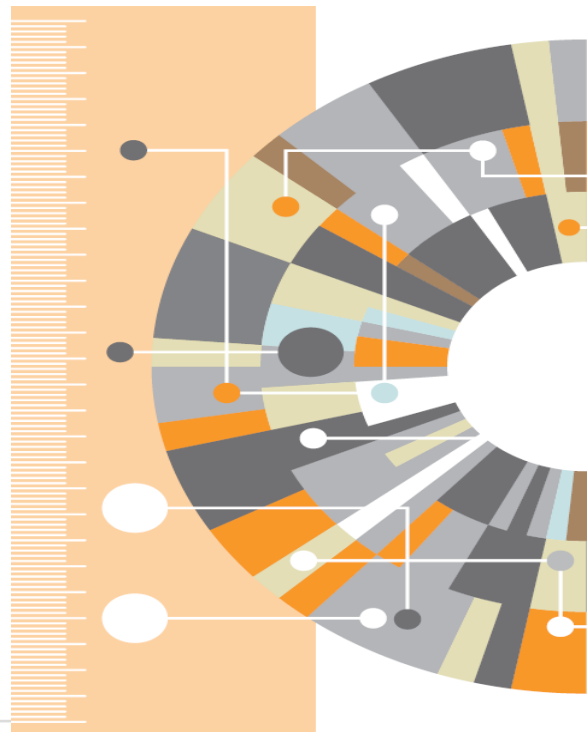
ELSEVIER

IEEE

acm



文献阅读和管理习惯的养成



EI收录详解及常见问题

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？

大家是如何选择EI期刊的，有什么好的方法吗？



作者 ltj1992

来源: 小木虫 200 4 举报帖子

+关注

目前准备投国外期刊，因为手中的论文水平不是特别高，打算方向瞄准EI级别，但由于没有相关投稿经验，对于期刊的选取很是迷茫，专业是检测技术及自动化装置方向，求相关大牛不吝指教！ [返回小木虫查看更](#)



wq576122117

导师不指点你吗



frogwangwang

我也有同样疑问

,



flylee1985

同问



swl7839

同问

当前位置： 首页 > 论文投稿 > 会议ei论文，含金量怎么样？容易发掉吗？

会议ei论文，含金量怎么样？容易发掉吗？

会议与征稿布告 栏	【2019-4-30】英文普刊长期征稿面向全科 当月见刊 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 诚招代理，多篇多优惠，欢迎咨询！...	fengjiet	2019-04-18 02:28
会议与征稿布告 栏	【2019-06-10】(EI检索)2019第三届中国工程设计和产品创新国际会议... 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...	sg8s40	2019-04-18 02:12
会议与征稿布告 栏	【2019-07-10】(SCI)【牛津大学】2019年第四届先进材料研究与制造... 2.优秀文章将提交出版在以下SCI期刊(特刊中1)Journal of Materials and Manufacturing Processes(Online ISSN:1532-24752)Journal of Surface Engineering:...【不投稿的你也可以来】（3个选择如下）：1...	ebubm96	2019-04-18 01:19
会议与征稿布告 栏	多本国外普刊长期征稿面向全科【月刊】 2414-1895期刊官网: 'http://www.ICJ-E.org' 投稿邮箱: '...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。...	211827670	2019-04-18 01:40
会议与征稿布告 栏	【2019-04-30】【毕业保底】【基金项目结题】欧美港印英文【普刊】 【sci检索期刊】/【ei检索期刊】/【sci检索会议】/【ei会议/istp...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。...	dingbei170	2019-04-17 10:01
会议与征稿布告 栏	国际英文期刊征文-长期征稿 '美国《International core journal of engineering》(icje)...注：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。	dswsk18	2019-04-17 09:21
会议与征稿布告 栏	多本国外普刊长期征稿面向全科【月刊】 2414-1895期刊官网: 'http://www.ICJ-E.org' 投稿邮箱: '...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。...	进毅恒4696	2019-04-17 02:19

Ei Compendex 收录清单的官方唯一渠道（动态更新）：

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

Compendex
[View more +](#)

↓ Compendex factsheet

↓ Compendex source list

[DISCLAIMER-TERMS&CONDITIONS](#)

[SERIALS](#)

[CHINESE JRS on SERIALS LIST](#)

[NON-SERIALS](#)

[DISCONTINUED](#)

[DEFINITIONS](#)

- ◆ 声明
- ◆ 连续出版物/中文连续出版物/非连续出版物/停止收录出版物
（其中中国出版物：以英语（英译和直译）和中文列出期刊名称）
- ◆ 定义说明

“停止收录”的定义与方针

当某一出版物被Ei Compendex “停止收录”时，其被收录的最终卷号/期号/页数会注明在“停止收录出版物目录”中该出版物对应的信息栏内。其最终收录卷号/期号/页数与“Ei Compendex收录出版物目录”的更新及发布时间无关。

EI COMPENDEX SOURCE LIST: UPDATED MAY 7, 2020

Source title	ISSN	EISSN	Publisher	FINAL COVERAGE			
				Year	Volume	Issue	Pagination
Acta Geoscientia Sinica	10063021	-	Science Press	2015	36	6	685-810
Acta Tabacaria Sinica	10045708	-	State Tobacco Monopoly Bureau and China Tobacco Society	2015	21	6	1-131
Advance Journal of Food Science and Technology	20424868	20424876	Maxwell Science Publications	2015	9	12	911-988
Advanced Materials Research	10226680	16628985	Trans Tech Publications Ltd	2014	1059	N/A	1-133
Advances in Information Sciences and Service Sciences	19763700	22339345	Advanced Institute of Convergence Information Technology	2012	4	23	1-820
Advances in Modelling and Analysis A	12585769	-	AMSE Press	2017	54	2	137-383
Advances in Modelling and Analysis B	12404543	-	AMSE Press	2017	60	2	283-524
Advances in Modelling and Analysis C	12404535	-	AMSE Press	2017	72	2	101-180
Agro Food Industry Hi-Tech	17226996	-	TeknoScienze	2017	28	6	4-72
American Journal of Food Technology	15574571	1557458X	Academic Journals Inc.	2016	11	6	240-297
Applied Mechanics and Materials	16609336	16627482	Trans Tech Publications Ltd	2014	694	N/A	1-583
Beijing Gongye Daxue Xuebao/Journal of Beijing University of Technology	02540037	-	Beijing University of Technology	2012	38	12	1761-1920
Biotechnology	1682296X	16822978	ANSI Asian Network for Scientific Information	2018	17	3	104-157
Biotechnology: an Indian Journal	09747435	-	Trade Science Inc	2014	10	12	5791-6875
Boletín Técnico	0376723X	-	Universidad Central de Venezuela	2017	55	20	1-710
C + Ca	00456152	-	Techna Group	2011	41	2	105-145
Caillao Kexue yu Gongyi/Material Science and Technology	10050299	-	Harbin Institute of Technology	2012	20	6	1-148

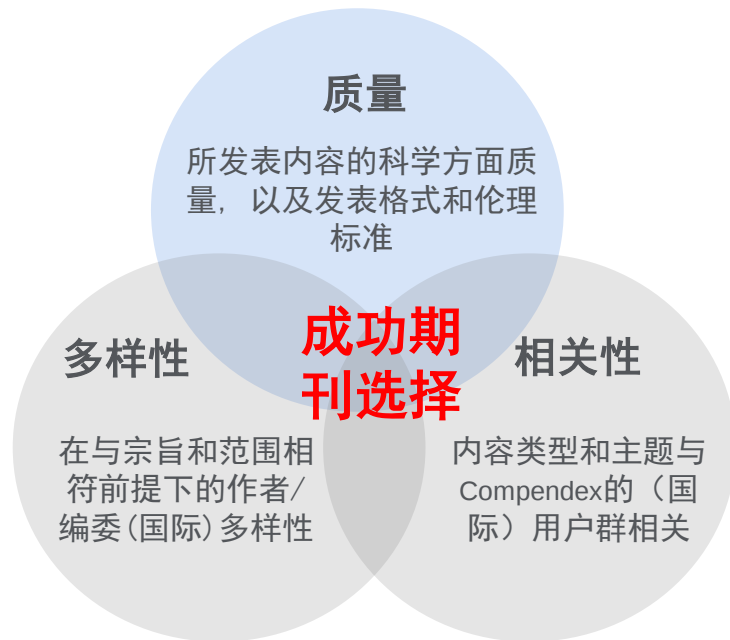
Curated Content-经过甄选的内容

我们的顾客需要它
我们的事业依赖它



Ei的创始人Dr. John Butler Johnson创立Ei，只收录具有永久价值的论文
是我们今天依然努力坚持的宗旨

高水平的出版物选择基于多方面的组合



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™

EI收录的常见问题

1、Ei期刊会议收录什么标准及流程？

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

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

如果期刊为Ei刊源，请直接联系Ei中文客服查找并按要求提供证明材料。**需要注意的是**在您提交证明资料后，Ei会和期刊核实信息，得到确认后文章记录就会经过加工后上库。

3、Ei记录有一条信息错了，联系谁？

中文邮箱：support.china@elsevier.com

电话：4008426973



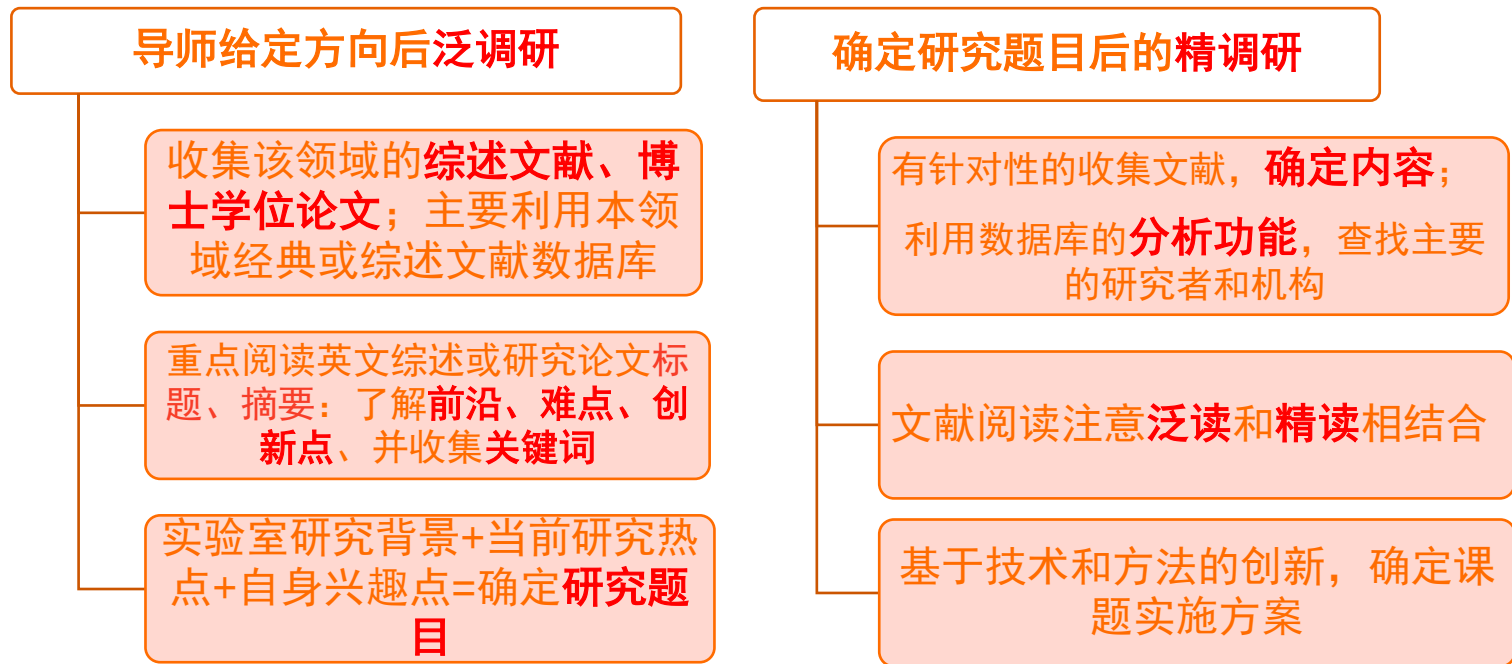
科研不同阶段-高效的应用EI

一、开题阶段

1.1 Quick Search **快速检索**

1.2 Thesaurus search **词库检索**

一、开题阶段文献收集重点



二、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。
- 方法：以关键词Review限定在Title范围，再键入关键字进行检索。（例如AI）

Quick search **Title** for Review

AND All fields for AI

Suggested terms: Artificial Intelligence, Information Use, Information Systems, Learning Systems, Decision Making

Turn on AutoSuggest | + Add search field | Reset form

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

909 records found in Compendex for 1884-2021: (((Review) WN TI) AND ((AI) WN ALL)) 1 of 37 pages >

Create alert Save search Share search RSS feed

Sort by: Relevance

Display: 25 results per page

Refine <<

By physical property

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

1. ☐ Contributions and risks of artificial intelligence (AI) in building smarter cities: Insights from a systematic review of the literature (Open Access)

Feedback

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

方法：键入关键词后，勾选Document type中的Dissertation，直接命中。

The screenshot shows the Engineering Village search interface. At the top, the logo and tagline 'The first choice for serious engineering research.' are visible. Below the search bar, the 'Document type' filter is expanded, showing a list of document types. The 'Dissertation' option is selected, indicated by a red dot. A blue callout box points to this option with the text 'Dissertation 学位论文'. The interface also shows other filters like 'Databases', 'Date', 'Language', 'Treatment', 'Discipline', 'Sort by', 'Autostemming', and 'Browse indexes'. The footer includes the Elsevier logo and links for 'Terms and Conditions' and 'Privacy Policy'.



四、阅读本领域的主要研究者/机构的文献

- 利用数据库的分析功能获得。
- **方法：键入关键词后，看左边的数据筛选器，直观获取。**

Engineering Village™
The first choice for serious engineering research.

Search ▾ Results Alerts ⓘ Selected records ⓘ ? ▾ Ying Luo ▾

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

Author

- ☐ Wang, Wei (1194)
- ☐ Zhang, Wei (1139)
- ☐ Li, Wei (1112)
- ☐ Wang, Jun (883)
- ☐ Wang, Yan (806)

Author affiliation

- ☐ University Of Chinese Academy Of Sciences (3096)
- ☐ U.S. Geological Survey (2262)
- ☐ State Key Laboratory Of Water Resources And Hydropower Engineering Science, Wuhan University (2049)
- ☐ Csir Land And Water (1818)
- ☐ State Key Laboratory Of Urban Water Resource And Environment, Harbin Institute Of Technology (1705)

Author

作者信息

Author Affiliation

机构信息

...ing by trend and harmonic analysis

...iversity of Technology, Faculty of Management, Department of Quantitative Methods in Management, Nadbystrzycka 38D, Lublin; 20-618, Poland); ...; Mazurkiewicz, Dariusz Source: Archives of Civil and Mechanical Engineering, v 18, n 1, p 140-148, January 2018

Full text ? Check Local Full-text

...-temperature from air temperature: Using least square method

...Yang, Feng (Department of Civil Engineering, Fujian University of Technology, Fuzhou; Fujian; 350108, China); Xue, Xingsi; Qiu, Zongxin; Lu, Yongsheng Source: Smart ... 2018, Advances in Intelligent Information Hiding and Multimedia Signal Processing - Proceedings of the 13th International ... Multimedia Signal Processing.

Full text ? Check Local Full-text

...and Pharmaceutical Engineering, New Jersey Institute of Technology, Newark; NJ; 07102, United States); Liu, Yin; Yao, Zhenhua; ... 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, 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

Databases: Compendex Detailed Show preview Full text ? Check Local Full-text

五、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。
- 方法：完成一次检索后，引用数据会直接显示在相应的记录上。

Engineering Village

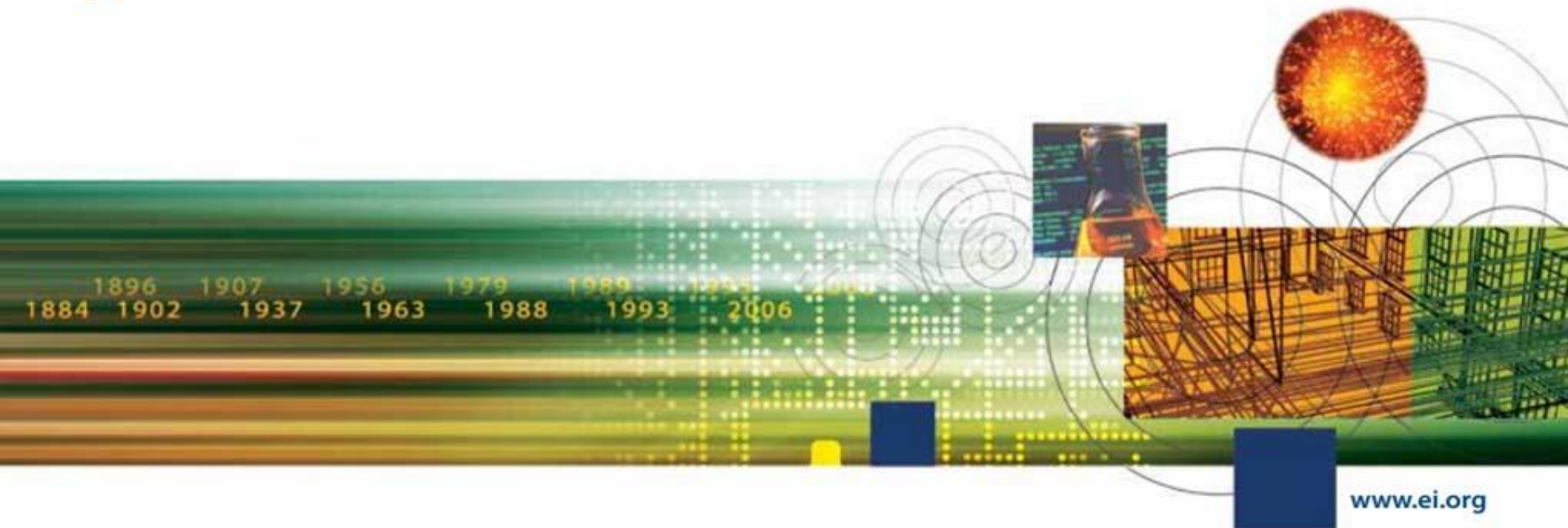
14. **Prospects of high temperature superconductors for fusion magnets and power applications**
Fietz, Walter H. (Karlsruhe Institute of Technology, Karlsruhe, Germany); Barth, Christian; Drotziger, Sandra; Goldacker, Wilfried; H. I.; Weiss, Klaus-Peter Source: *Fusion Engineering and Design*, v 88, 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



1.1 Quick Search – 快速检索



Quick search:

All fields ▾

for

Al



Turn on AutoSuggest | + Add search field | Reset form

Databases ▾

Date ▾

Language ▾

Document type ▾

Sort by ▾

Browse indexes ▾

Autostemming ▾

Discipline ▾

Treatment ▾



About Ei

History of Ei

Engineering Village

About Engineering Village

Accessibility Statement

Content Available

Who uses EV?

Privacy principles

Customer Service

Contact and support

Subscribe to newsletter

Blog

Twitter

Careers

All engineering jobs

By job category

provided by Mendeley Careers



1.1.1 筛选检索结果

The screenshot shows the Engineering Village search results page. On the left, the 'Refine' sidebar is highlighted with a red box. It contains a 'By category' section with a 'Limit to' button and an 'Exclude' button. Below this is a list of categories: Controlled vocabulary, Classification code, Access type, Document type, Author, Author affiliation, Country/Region, Year, Language, Source title, Publisher, Funding sponsor, and Status. Each category has a 'Download all' link and a 'Limit to' button. A red arrow points from the 'Limit to' button in the 'Refine' sidebar to the first search result, 'Designing AI to Work with or for People?'. The search results are listed in a table with columns for 'Search history', 'Alerts', 'Selected records', 'Bulletins', and 'More'. The results are numbered 1 to 5. The first result is 'Designing AI to Work with or for People?' by Wang, Dakuo (IBM Research, United States); Maes, Pattie; Bo, Shang. The second result is 'To Be Fair or Not to Be: Using AI for the Good of Citizens' by Cortes, Ulises (Barcelona Supercomputing Center, Barcelona, Spain); and Society Magazine, v 40, n 1, p 55-70, March 2021. The third result is 'Building an AI That Feels: AI systems with emotional intelligence could learn faster and be more helpful' by Czerwinski, Mary; Hernandez, Javier; McDuff, Daniel Source: IEEE Spectrum, v 58, n 5, p 32-38, May 2021. The fourth result is 'Equilibrating emotional intelligence and AI driven leadership for transnational organizations' by Dixit, Sweta (School of Business Studies, Sharda University, Greater Noida, India); Maurya, Mohit Source: Proceedings of International Conference on Innovative Practices in Technology and Management, ICIPTM 2021, p 233-237, February 17, 2021. The fifth result is 'The AI doctor will see you know: assessing the framing of AI in news coverage' (Open Access) by Bunz, Mercedes (Department of Digital Humanities, King's College London, London, United Kingdom); Braghieri, Marco Source: AI and Society, 2021. The page also includes a 'Feedback' button in the bottom right corner.

Engineering Village

Search Search history Alerts Selected records Bulletins More Create account Sign in

Refine

By physical property
Filter results by physical properties such as size, temperature, pressure and many more 71.

By category
Download all

Limit to Exclude

Add a term

Controlled vocabulary

Classification code

Access type

Document type

Author

Author affiliation

Country/Region

Year

Language

Source title

Publisher

Funding sponsor

Status

1. ☐ **Designing AI to Work with or for People?**
Wang, Dakuo (IBM Research, United States); Maes, Pattie; Bo, Shang
Proceedings, May 8, 2021, Extended Abstracts of the 2021 CHI Conference
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text Check Local Full-text

2. ☐ **To Be Fair or Not to Be: Using AI for the Good of Citizens**
Cortes, Ulises (Barcelona Supercomputing Center, Barcelona, Spain);
and Society Magazine, v 40, n 1, p 55-70, March 2021
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Full text Check Local Full-text

3. ☐ **Building an AI That Feels: AI systems with emotional intelligence could learn faster and be more helpful**
Czerwinski, Mary; Hernandez, Javier; McDuff, Daniel Source: IEEE Spectrum, v 58, n 5, p 32-38, May 2021
Database: Compendex
Document type: Journal article (JA)
Detailed Show preview Full text Check Local Full-text

4. ☐ **Equilibrating emotional intelligence and AI driven leadership for transnational organizations**
Dixit, Sweta (School of Business Studies, Sharda University, Greater Noida, India); Maurya, Mohit Source: Proceedings of International Conference on Innovative Practices in Technology and Management, ICIPTM 2021, p 233-237, February 17, 2021, Proceedings of International Conference on Innovative Practices in Technology and Management, ICIPTM 2021
Database: Compendex
Document type: Conference article (CA)
Detailed Show preview Full text Check Local Full-text

5. ☐ **The AI doctor will see you know: assessing the framing of AI in news coverage** (Open Access)
Bunz, Mercedes (Department of Digital Humanities, King's College London, London, United Kingdom); Braghieri, Marco Source: AI and Society, 2021
Article in Press
Database: Compendex
Document type: Article in Press
Detailed Show preview Full text Check Local Full-text

Feedback

- 在Refine Results检索结果中进行类别筛选: 受控词、学科、作者、机构、国家、文献种类等, 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

控制词汇

Controlled vocabulary	
☐ Artificial Intelligence	(26,138)
☐ Learning Systems	(8,064)
☐ Information Use	(7,393)
☐ Information Systems	(7,082)
☐ Automatic Identification	(5,139)
View more >	

作者

Author	
☐ Ai, Bo	(623)
☐ Wang, Ai-Jun	(317)
☐ Ai, Xing	(286)
☐ Zhong, Zhangdui	(281)
☐ Ai, Shiyun	(264)
View more >	

作者机构

Author affiliation	
☐ Facebook Ai Research	(702)
☐ Tencent Ai Lab	(613)
☐ Carnegie Mellon University	(543)
☐ University Of Chinese Academy Of Sciences	(533)
☐ State Key Laboratory Of Rail Traffic Control And Safety, Beijing Jiaotong University	(387)
View more >	

学科分类

Classification code	
☐ Artificial Intelligence	(30,763)
☐ Computer Software, Data Handling and Applications	(19,505)
☐ Data Processing and Image Processing	(13,102)
☐ Computer Applications	(12,789)
☐ Mathematics	(9,830)
View more >	

国家

Country/Region	
☐ China	(40,798)
☐ United States	(29,901)
☐ United Kingdom	(7,872)
☐ Germany	(6,822)
☐ Canada	(5,472)
View more >	

文献类型

Document type	
☐ Conference article	(77,486)
☐ Journal article	(57,146)
☐ Conference proceeding	(1,622)
☐ Article in Press	(1,395)
☐ Book chapter	(904)
View more >	

原文语言

Language	
☐ English	(127,013)
☐ Chinese	(10,275)
☐ Japanese	(250)
☐ Russian	(245)
☐ Italian	(189)
View more >	

年

Year	
☐ 2021	(5,811)
☐ 2020	(15,279)
☐ 2019	(13,772)
☐ 2018	(9,984)
☐ 2017	(6,628)
View more >	

刊源

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

出版社

Publisher	
☐ Elsevier Ltd	(144352)
☐ Elsevier	(121944)
☐ American Chemical Society	(67892)
☐ Institute Of Electrical And Electronics Engineers Inc.	(26782)
☐ Springer Verlag	(25231)
View all >	

赞助机构

Funding sponsor	
☐ National Natural Science Foundation Of China	(16140)
☐ National Science Foundation	(2324)
☐ Natural Sciences and Engineering Research Council of Canada	(1002)
☐ National Research Foundation of Korea	(842)
☐ U.S. Department of Energy	(826)
View all >	

开放获取

Open Access	
☐ All Open Access	(388)
☐ Gold	(86)
☐ Hybrid Gold	(16)
☐ Bronze	(147)
☐ Green	(195)
Learn more >	

1.1.2 快速检索实例：

- 以关键词AI和Learning System进行Ei检索，使用or连接得到相关结果23,303条，需进一步过滤筛选；

The screenshot displays the Engineering Village search results page. At the top, the search bar shows the query 'AI AND Learning systems' with suggested terms like 'Artificial Intelligence', 'Deep Learning', 'Machine Learning', 'Learning Algorithms', and 'Reinforcement Learning'. Below the search bar, the results section indicates '23,303 records found in Compendex for 1884-2022: (((AI) WN ALL) AND ((Learning systems) WN ALL))'. The results are sorted by 'Relevance' and displayed in a list format. The first three results are visible, each with a title, author information, source, database, and document type. The 'Refine' sidebar on the left allows filtering by physical property, category, and open access status.

Engineering Village

Search Search history Alerts Selected records Bulletins More

Quick search: for

AND for

Suggested terms:

Turn on AutoSuggest |

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

23,303 records found in Compendex for 1884-2022: (((AI) WN ALL) AND ((Learning systems) WN ALL)) 1 of 933 pages >

Sort by: Relevance

Display: 25 results per page

Refine <<

By physical property
Filter results by physical properties such as size, temperature, pressure and many more 71.

By category Download all

Limit to

Add a term

Open Access

☐ All Open Access (5,106)
☐ Gold (861)
☐ Hybrid Gold (306)
☐ Bronze (1,400)
☐ Green (3,450)

1. ☐ **Systematic literature mapping on AI-enabled contemporary learning systems**
Kabudi, Tumaini (University of Agder, Norway); Pappas, Ilias; Oslan, Dag-Håkon Sources: 26th Americas Conference on Information Systems, AMCIS 2020, 2020, 26th Americas Conference on Information Systems, AMCIS 2020
Database: Compendex
Document types: Conference article (CA)
Detailed Show preview

2. ☐ **Identifying gaps in use of and research on adaptive learning systems**
Wang, Shuai (SRI Education, SRI International, 1100 Wilson Blvd., Suite 2800, Arlington; VA; 22209, United States); Christensen, Claire; McBride, Elizabeth; Kelly, Hannah; Cui, Wei; Tong, Richard; Shear, Linda; Yarnall, Louise; Feng, Mingyu Sources: CSEDU 2020 - Proceedings of the 12th International Conference on Computer Supported Education, v 1, p 118-124, 2020, CSEDU 2020 - Proceedings of the 12th International Conference on Computer Supported Education
Database: Compendex
Document types: Conference article (CA)
Detailed Show preview

3. ☐ **AdversarialStyle: GAN Based Style Guided Verification Framework for Deep Learning Systems**
Wei, Jiefei (Loughborough University, Department of Computer Science, Loughborough, United Kingdom); Meng, Qinggang Sources: IEEE International Conference on Industrial Informatics (IIIN), 2020, 2020 IEEE 18th International Conference on Industrial Informatics (IIIN) 2020

1.1.2 快速检索实例续一：

- 例如，勾选了最近3年，国家为China和United States，学科限定后点击limit得到相关检索结果1327条，后续可以根据需求再次筛选检索结果

Refine

By physical property
Filter results by physical properties such as size, temperature, pressure and many more [?](#)

By category
Download all [Download all](#)

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

Add a term

Year [Year](#)

2022 (3,43)
2021 (4,12)
2020 (2,364)
2018 (2,364)
View more [View more](#)

Country/Region [Country/Region](#)

United States (7,45)
China (3,47)
United Kingdom (1,272)
Germany (1,272)
Canada (1,239)
View more [View more](#)

Classification code [Classification code](#)

Artificial Intelligence (7,85)
Computer Software, Data Handling and Data Processing and Image Processing (4,93)
View more [View more](#)

Controlled vocabulary [Controlled vocabulary](#)

Expert search:

Search codes [Search codes](#) Browse indexes [Browse indexes](#)

1,327 records found in Compendex for 1884-2022: (((AI) WN ALL) AND ((Learning systems) WN ALL)) + ((({723.4} OR {723}) WN CL) AND ((({united states} OR {china}) WN CO) AND ((2022 OR 2021 OR 2020) WN YR)))

Create alert [Save search](#) [Share search](#) [RSS feed](#)

Sort by: Relevance [Sort by: Relevance](#)

Display: 25 results per page [Display: 25 results per page](#)

Refine

By physical property
Filter results by physical properties such as size, temperature, pressure and many more [?](#)

By category
Download all [Download all](#)

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

Add a term

Open Access [Open Access](#)

☐ All Open Access (388)
☐ Gold (86)
☐ Hybrid Gold (16)
☐ Bronze (147)
☐ Green (195)
Learn more [Learn more](#)

Controlled vocabulary [Controlled vocabulary](#)

1. ☐ **Quality Management of Machine Learning Systems** (Open Access)
Santhanam, P. (IBM Research AI, T.J. Watson Research Center, Yorktown Heights; NY, United States) Sources: Communications in Computer and Information Science, v 1272, p 1-13, 2020, Engineering Dependable and Secure Machine Learning Systems - Third International Workshop, EDSMLS 2020, Revised Selected Papers
Databases: Compendex
Document type: Conference article (CA)
Detailed [Show preview](#) Cited by in Scopus (2) [Full text](#) [Check Local Full-text](#)

2. ☐ **Scalability in modeling and simulation systems for multi-agent, AI, and machine learning applications**
Newton, Charles (Soar Technology Inc., 3600 Green Ct Ste 600, Ann Arbor; MI, United States); Singleton, John; Copland, Cameron; Kitchen, Sarah; Hudack, Jeffrey Sources: Proceedings of SPIE - The International Conference on Optical Engineering, v 11746, 2021, Artificial Intelligence and Machine Learning for Multi-Domain Operations Applications III
Databases: Compendex
Document type: Conference article (CA)
Detailed [Show preview](#) [Full text](#) [Check Local Full-text](#)

3. ☐ **Understanding human-AI cooperation through game-theory and reinforcement learning models**
Schelble, Beau G. (Human-Centered Computing, Clemson University, United States); Flathmann, Christopher; McNeese, Nathan; Canonico, Lorenzo Barberis Sources: Proceedings of the Annual Hawaii International Conference on System Sciences, v 2020-January, p 348-357, 2021, Proceedings of the 54th Annual Hawaii International Conference on System Sciences, HICSS 2021
Databases: Compendex
Document type: Conference article (CA)
Detailed [Show preview](#) [Full text](#) [Check Local Full-text](#)

Feedback [Feedback](#)

Engineering Village™
The first choice for serious engineering research.

Numeric filter ①

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

Author Full text

Author affiliation Full text

Classification code Full text

Country Full text

Document type Full text

Language Full text

Year Full text

Source title Full text

Publisher Full text

Funding sponsor Full text

Limit to Exclude

New search with facets

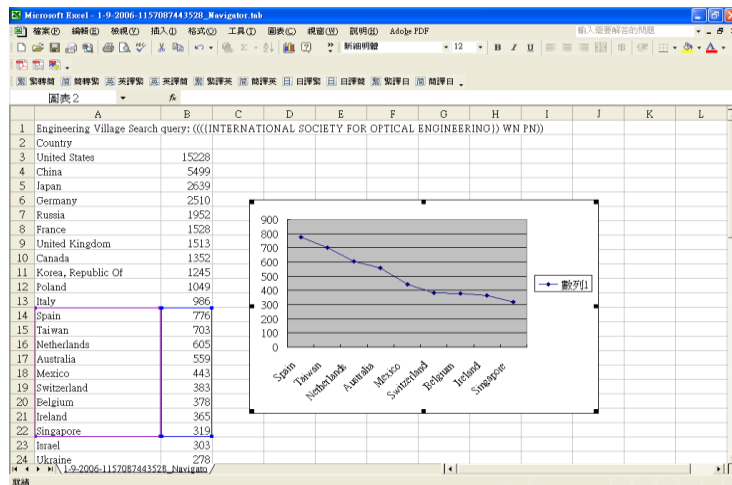
Knovel Search >

- 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

- ☐ **Water demand forecasting by trend and harmonic analysis**
Kozłowski, Edward (Lublin University of Technology, Faculty of Mechanical Engineering, Lublin, Poland); Kozłowski, Beata; Kozłowski, Dariusz; Mazurkiewicz, Dariusz Source: *Water Resources Engineering*, v 12, n 1, February 1, 2018, p 1-10, 10 refs. Database: Compendex
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. Database: Compendex
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, p 1-10, 10 refs. Database: Compendex
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 Database: Compendex
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, Siew-Ming; Fahim, Muhammad; Ooi, Chee-Heong; Krishnan, Puspapathan; Matsumoto, Akihiko; Yeoh, Fei-Yee Source: *Applied Clay Science*, v 143, p 300-306, July 1, 2017 Database: Compendex

1.1.3 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



1.1.3 快速检索实例续二：分析检索领域研究热点

- AI和学习系统的检索，在使用年、国家和学科精简后，找到受控词 Controlled Vocabulary，并下载数据库。

The screenshot shows the Engineering Village search results page with 1,327 records found. The 'Controlled vocabulary' panel is open, displaying a list of terms and their counts. An orange arrow points from the 'Controlled vocabulary' panel to the 'Search Query' field in the table on the right.

Controlled vocabulary

Term	Count
Learning Systems	472
Artificial Intelligence	427
Deep Learning	329
Reinforcement Learning	308
Learning Algorithms	138
Internet Of Things	128
Decision Making	113
Machine Learning	106
Natural Language Processing Systems	95
Intelligent Systems	84
Network Security	77
Forecasting	76
Support Vector Machines	76
Deep Neural Networks	72
Students	71
Convolutional Neural Networks	66
Multi Agent Systems	62
Neural Networks	59
E-Learning	57
Semantics	53
Decision Support Systems	37
Big Data	35
Diagnosis	35
Intelligent Computing	35
Stochastic Systems	35
Digital Storage	34
Long Short-Term Memory	34
Predictive Analytics	34
Transfer Learning	34
Data Handling	33
Privacy By Design	33
Education Computing	32
Human Computer Interaction	32
Embedded Systems	31
Behavioral Research	30
Convolution	30
Image Enhancement	30
Information Management	30
Recurrent Neural Networks	30
Application Programs	29
Large Dataset	29

Search Query
((((AI) WN ALL) AND ((Learning systems) WN ALL))) AND ((({723.4} OR {723}) WN CL) AND ((({united states} OR {china}) WN CO) AND ((2022 OR 2021 OR 2020) WN YR)))

Databases
Compendex

Report Generated on
11/9/2021

Controlled vocabulary
Count

Learning Systems
472

Artificial Intelligence
427

Deep Learning
329

Reinforcement Learning
308

Learning Algorithms
138

Internet Of Things
128

Decision Making
113

Machine Learning
106

1.1.4 Refine Results 的作用

- 所在领域的标杆作者和机构的研究动态：看作者**Autor**和机构**Affiliation**
- 所在领域的热点，他们又有哪些成就：看**Controlled Vocabulary**
- 你关心的课题所涉及的领域，是否能有新的切入点发现新的研究方向：看学科**Classification**
- 课题所处的生命周期，通过文献计量的年代分析：看年**year**
- 课题的热门期刊，作为投递文章的选择：看期刊或会议**Source title**

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

www.ei.org

1.2 Thesaurus Search – 叙词检索



1.2.1 索引实现检索的查全和查准

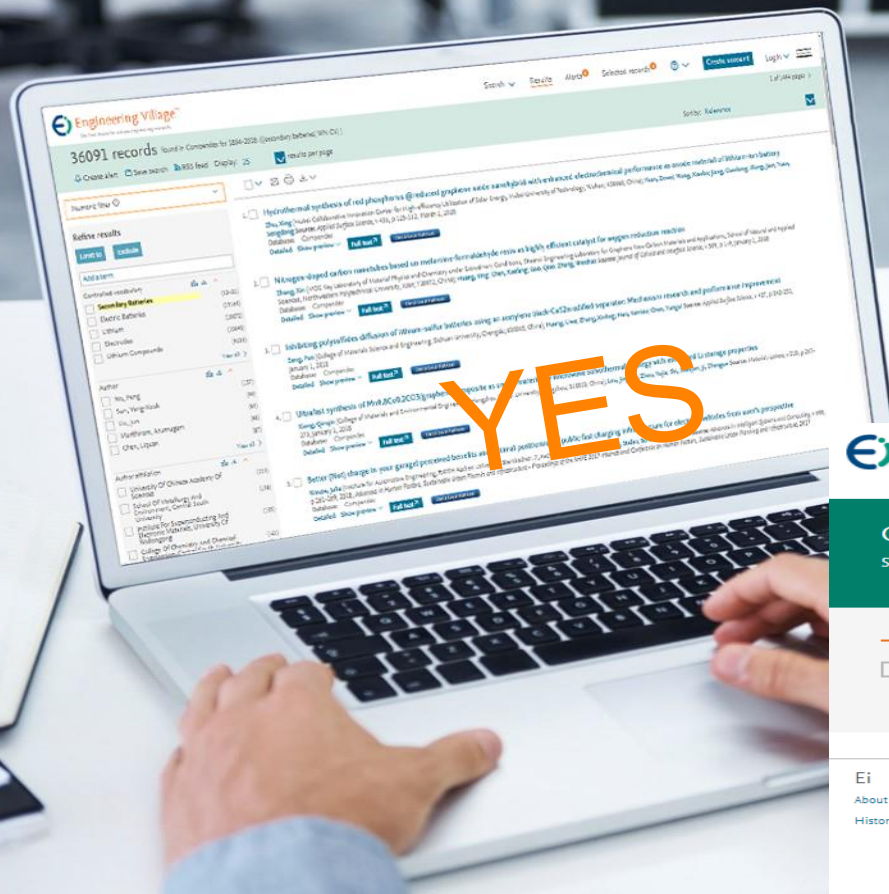


如果没有Engineering Village上的Ei Compendex

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.

Quick search

Search in: **All fields**

for **recha**

Databases ^

Date v

Language v

Document type v

Sort by v

☐ All

☒ Compendex
☐ GEOBASE

☐ Inspec
☐ GeoRef

☐ NTIS
☐ US Patents

☐ Paper
☐ EP p

Rechargeable batteries

Recommended terms: Secondary batteries

Recharging (underground waters)

AutoSuggest Powered by Ei Thesaurus

Ei

[About Ei](#)
[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](#)
[Twitter](#)

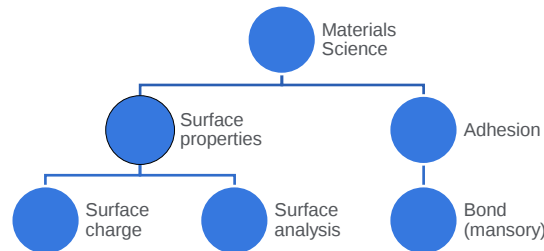
1.2.2 精确查找特定研究领域： Ei独有的工程索引叙词表

从1884年起，一直在发展中

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。

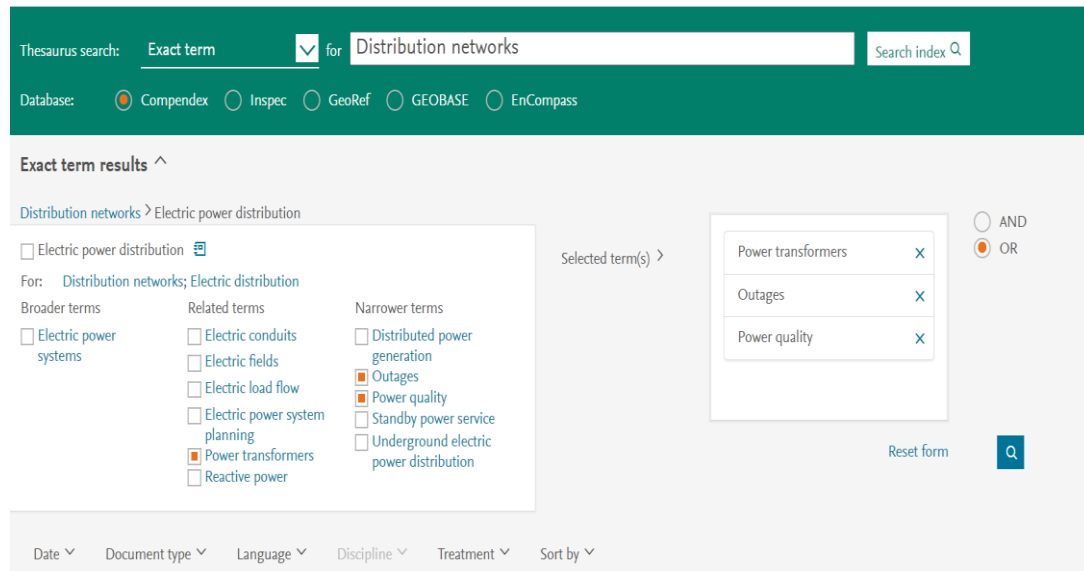
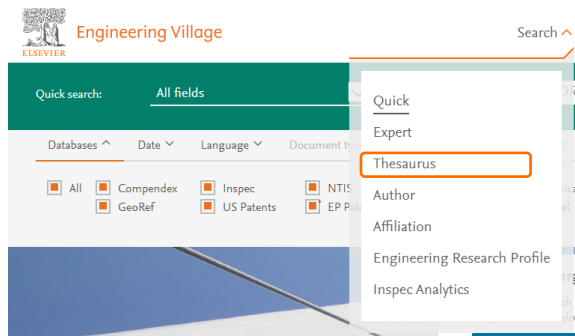
用户利用叙词表可从主题角度检索文献，进而提高文献的查准率。

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。



1.2.3 序词检索实例：

在Search中切换到Thesaurus：以关键词Distribution networks进行Thesaurus Search：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；



不同科研时期EI的正确应用：

二、后续科研

2.1 Expert Search **专家检索**

2.2 Refine by physical property **物性检索**

2.3 Engineering Research Profile **工科研究档案**

Quick search: All fields ☐ for Semiconductor

Suggested terms:

Turn on AutoSuggest | + Add search field | Reset form

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

909,324 records found in Compendex for 1884-2020: ((Semiconductor) WN ALL) 1 of 3

实时追踪科研动态

Search v Results ⁷ Alerts ² Selected records ⁰ More v

Sort by: Relevance

Alerts and Saved searches

Name	Search query	Status	Recent pub
☒ ((petroleum) WN ALL) 	<((petroleum) WN ALL)> More details v	☒ Alert	☐ Off
☒ ((Semiconductor) WN ALL) 	<((Semiconductor) WN ALL)> More details v	☒ Alert	☐ Off

重复查找很 辛苦



Search history

6 searches



Combine searches:

e.g. (#1 AND #2) NOT #3



View

Combine searches	Search query	Actions
#6 ☐	422073 results in (Compendex) for: ((petroleum) WN All fields) Details ▾	
#5 ☐	385 results in (Compendex) for: (((Li, Jianrong)) WN AU) Details ▾	
#4 ☐	1269 results in (Compendex) for: ((blueberry) WN All fields) Details ▾	
#3 ☐	124 results in (Compendex) for: (((Blueberry) WN ALL)) AND ((2018) WN YR)) Details ▾	
#2 ☐	1269 results in (Compendex) for: ((Blueberry) WN All fields)	

选定标杆持续关注

Expert search:

(Semiconductor wn TI and Tsinghua University wn AF)

Improved noise characteristics of mutually injection locked **semiconductor** lasers in a weak coupling regime (Open Access)

Ke, Xu (Beijing National Research Center for Information Science and Technology (BNRist), Department of Electronic Engineering, **Tsinghua University**, Beijing; 100084, China); Ma, Weichao; Xiong, Bing; Sun, Changzheng; Hao, Zhibiao; Han, Yanjun; Wang, Jian; Wang, Lai; Li, Hongtao; Yu, Jiadong; Luo, Yi Source: *Japanese Journal of Applied Physics*, v 58, n 6, 2019

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview ▾

Full text ↗

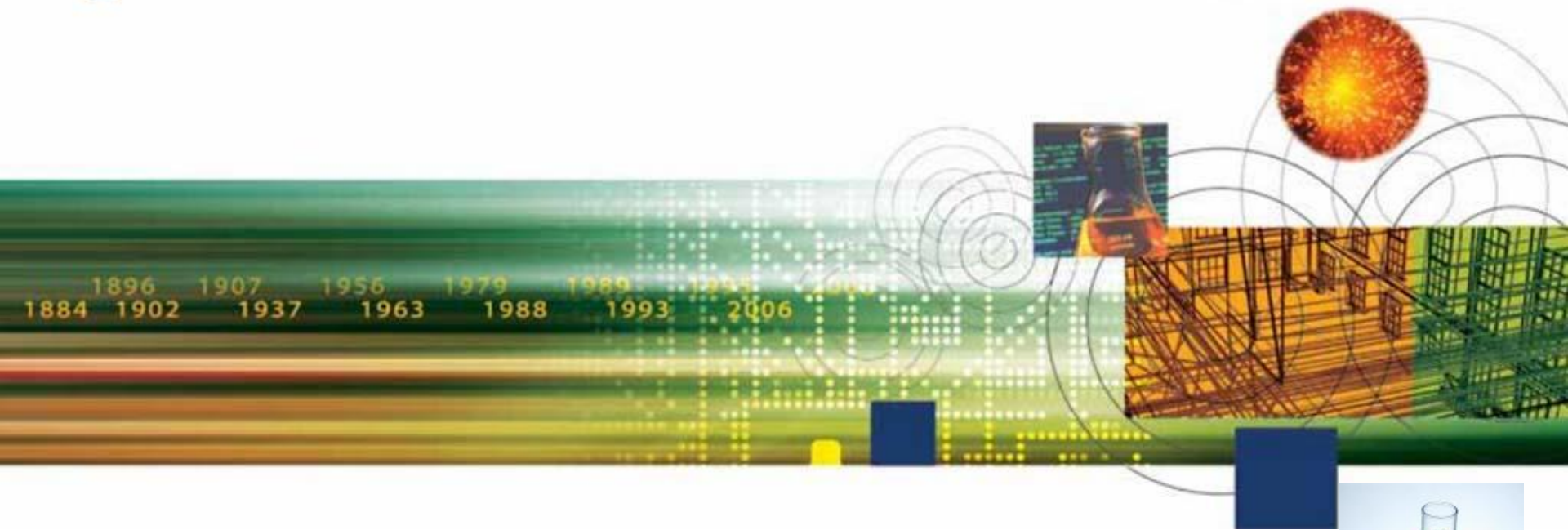
315 records found in Compendex for 1884-2020: (Semiconductor wn TI and Tsinghua University wn AF)

Create alert

Remove search

Share search

RSS feed



2.1 Expert Search – 专家检索

2.1 Expert Search – 专家检索

 **Engineering Village™**
The first choice for serious engineering research.

Selected records 0 ? ✓ [Create account](#)

Expert search

Search for:

[Reset form](#)

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

Database	Code = Field	Code = Field
c = Compendex	AB = Abstract (c,i,n,pc,cm,cb,el,ep,g,f,u,e,k)	CVMA= Major term as a reagent (el,ep)
i = Inspec	AN = Accession number (c,i,n,pc,el,ep,g,f,k)	CVMN= 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 = Chemical	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 = C&S	CR = C&S register number (cm,cb,el,en)	NI = Numerical indexing (i)

Codes displayed will depend on your current database selection

2.1 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



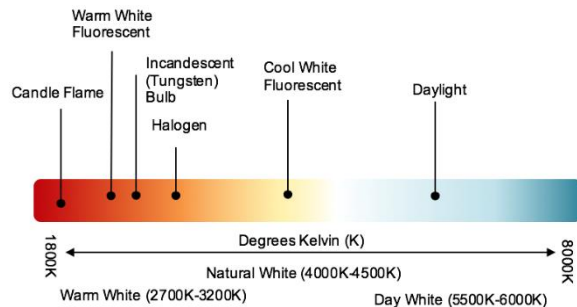
2.2 Refine by physical property 物性检索

2.2 检索科研前沿（收录预出版及数值检索）：

Engineering Village支持Compendex和Inspec数值搜索（Refine by physical property）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，用户可以发现通过纯文本搜索无法发现的文档。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。帮助用户进行科学前沿跟踪。

2.2.1 案例介绍：白色LED的研发

LED的发光色取决于其温度。在温度为5500至6000K的情况下，LED的发光色是什么？



Quick search: All fields



for

light emitting diodes



Turn off AutoSuggest | + Add search field | Reset form

By physical property

Filter results by physical properties such as size, temperature, pressure and [many more](#).

Temperature

There are 4,386 total results for Temperature

between 5500 6000

Kelvin (K)

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

Abstract: ... these 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

2.2.2 实例：纳米技术

半导体CMOS的关键技术是小于14纳米的技术，以CMOS为检索关键词，在物性检索框中size小于等于14纳米，创建邮件提醒create alert即可轻松跟踪前沿热点信息。

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

Display: 25 results per page

Refine

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 Sources: Proceedings of the 2018 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, EIConRus 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, EIConRus 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 Sources: Microelectronics Reliability, v 83, p 254-259, April 2018

Database: Compendex

Document type: Journal article (JA)

Detailed Show preview Cited by 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 Sources: 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 by 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.; Standsert, T.; Yeh, C.-C.; Faltermeyer, 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

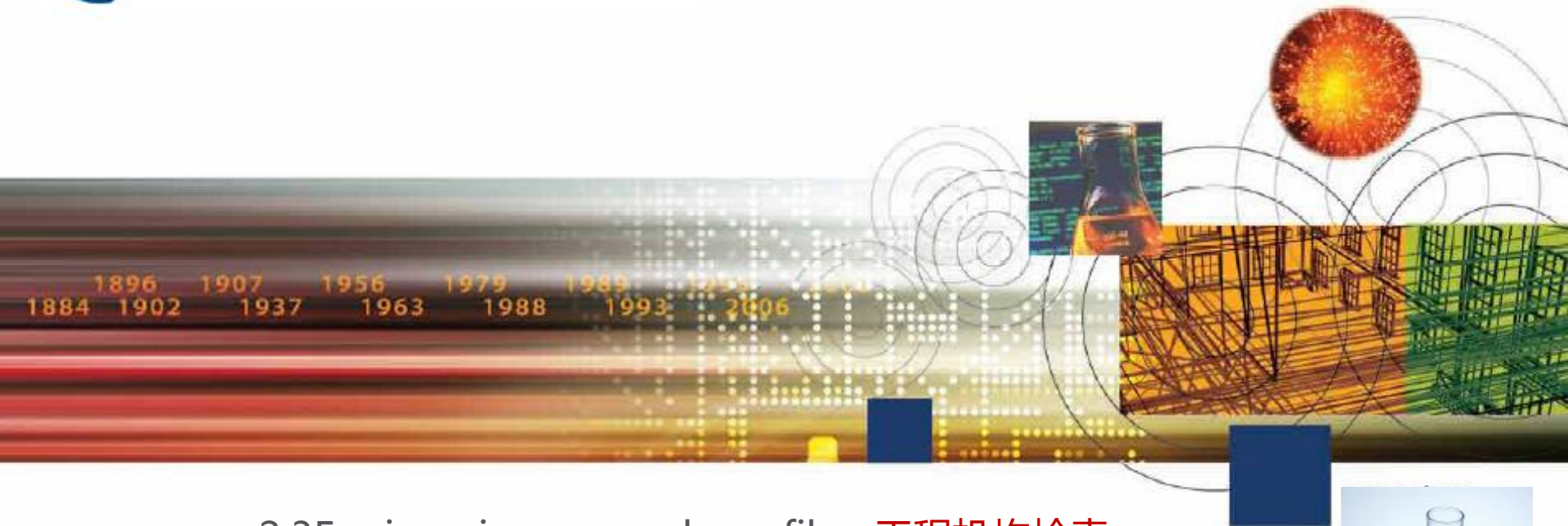
5 nm – ~2020

用户受益：

一：打破计量单位限制

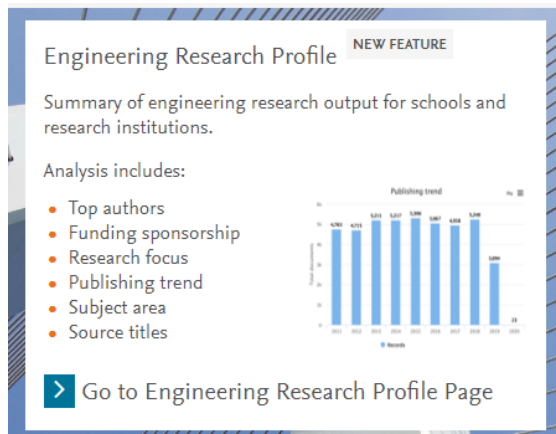
二：提高查全率-数值检索比关键词检索的结果多出一倍

三：高效便捷地跟踪前沿



2.3 Engineering research profile 工程机构检索 和 Author/Affiliation Search 作者/单位检索

2.3.1 工程机构报告 (Engineering research Profile)



最多的基金
源是哪里？



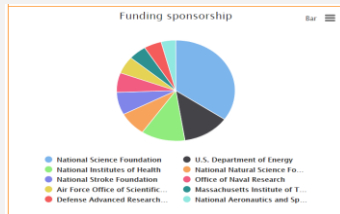
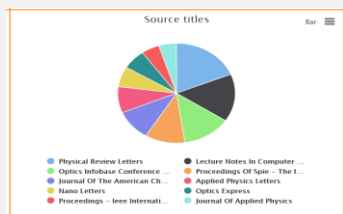
谁在发表？



教职员在
哪里发表论文？



最热的研究
主题是什么？



弄清自己机构的工科类研究并追踪论文发表情况: 仅需单个界面

Institutions & groups <<

Search & add

☐ Massachusetts Institute of Technology + ×

☒ Jilin University + ×

Remove all ×

Engineering research profile ?

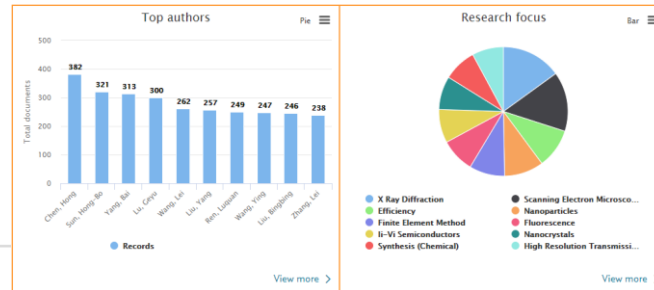
Jilin University ☆

39,365 records in Compendex

Filter by: 2010 ▼ to 2020 ▼ AND Select subject Area ▼

[Reset filters](#)

Top authors
Research focus
Funding
Publishing trend
Subject area
Source titles

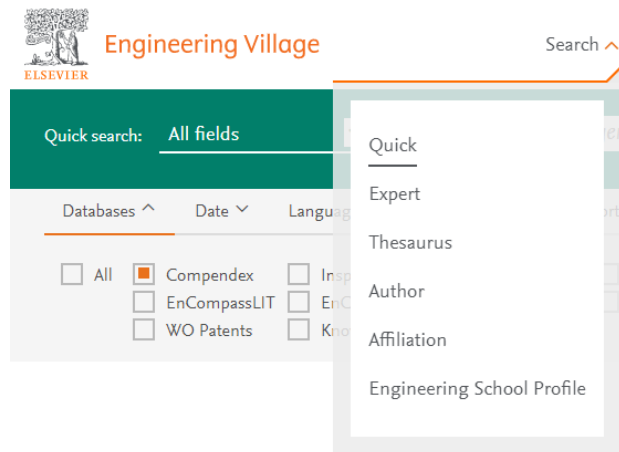


2.3.2 作者/单位检索

问题： 由于作者的名字有表述差异，难以找全特定作者/单位所发表的文献

我们的方案： 用户们现在可以在Engineering Village的Compendex中利用经过标准化/消歧处理的作者、机构记录查询作者和机构信息。

实现的价值： 能够更精确、更快得到Compendex中的作者和机构信息



Author search

Last name First name

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

* Searches are limited to authors within Compendex records

193 author results in Compendex for Last name: "Smith", First name: "J", Affiliation: "California"

1 of 8 pages >

Display: 25 results per page

Sort on: Relevance

Refine results

Source Title

☐ Science (48)

Affiliation name:

☐ Show exact matches only

* Searches are limited to affiliations within Compendex records

7 affiliation results in Compendex for Affiliation: "Chinese academy of science"

1 of 1 pages

Display: 100 results per page

Sort by: Count (DESC)

Refine <<

By category

Country

☐ China (5)

City

☐ Beijing (2)

☐ Nanjing (1)

☐ Urumqi (1)

	Name	Documents	City	Country
1.	Institute of High Energy Physics Chinese Academy of Science Chinese Academy Of Sciences	View 6,957 records	Beijing	China
2.	Institute of Policy and Management Chinese Academy of Science Chinese Academy Of Sciences	View 642 records	Beijing	China
3.	Institute of Botany, Jiangsu Province and Chinese Academy of Science Jiangsu Province And Chinese Academy Of Sciences	View 96 records	Nanjing	China
4.	Graduate University of Chinese Academy of Science Graduate University of Chinese Academy of Science	View 1 records		
	Institute of Remote Sensing Applications of	View 1 records		

Feedback



文献阅读和管理习惯的养成

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
10.1016/j.acme.2

Author affiliation
Management, Na
2 Lublin Universi
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)



文献管理

文献管理



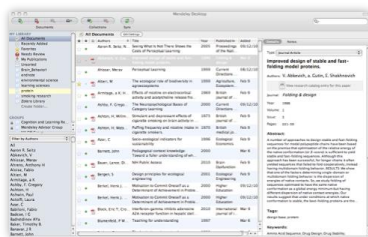
参考文献管理工具

学术社交平台

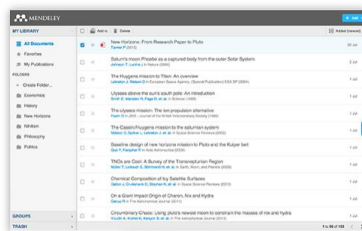
•使用我们的iOS和Android应用程序移动阅读论文

- All references and full text articles stored in cloud and available on

- Desktop software for offline access
- Web browsers for easy access
- Mobile for travelling



Desktop



Web



Mobile

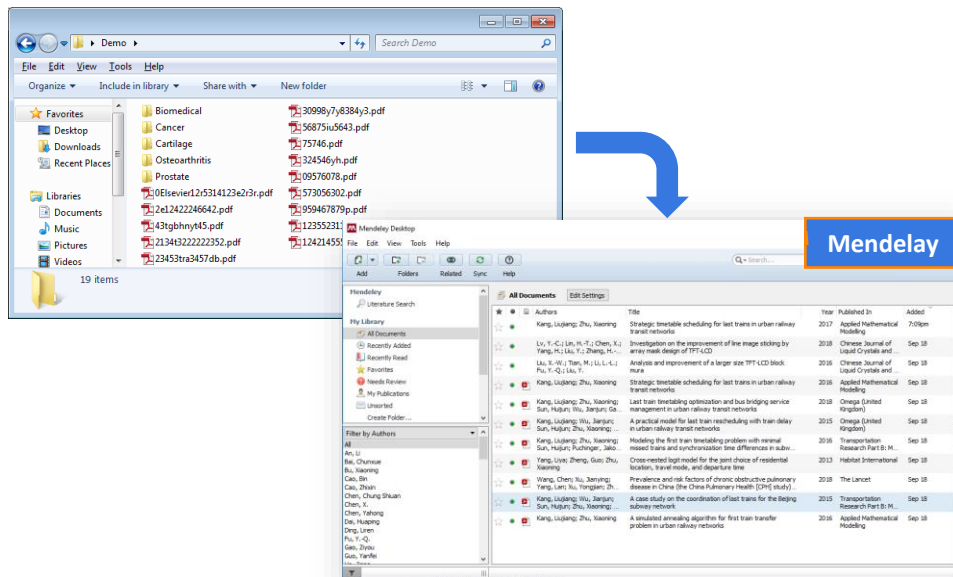
文献管理



参考文献管理工具

学术社交平台

•随时随地在线访问您的论文

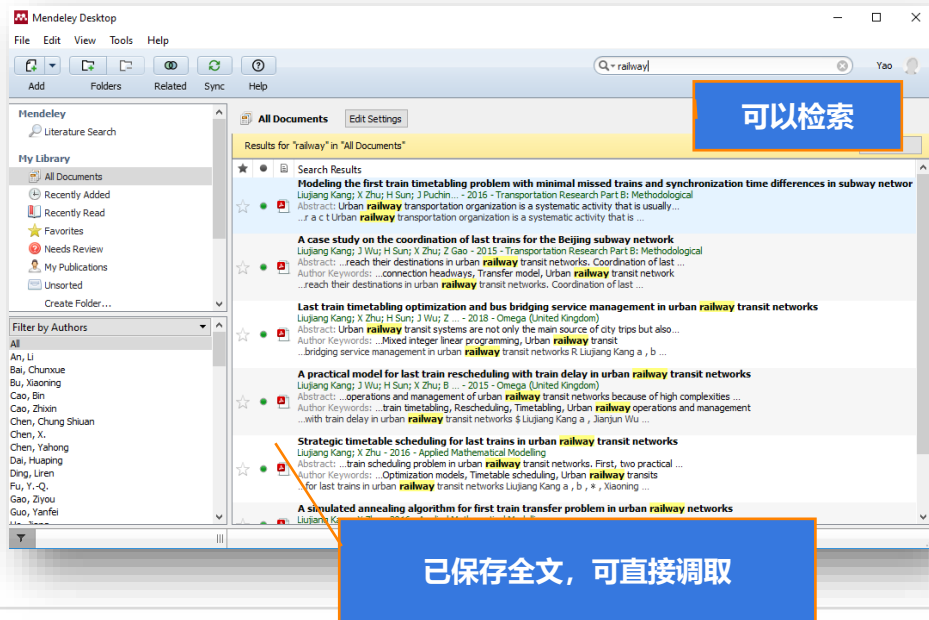


文献管理

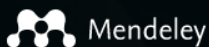


参考文献管理工具
学术社交平台

免费的2G云空间



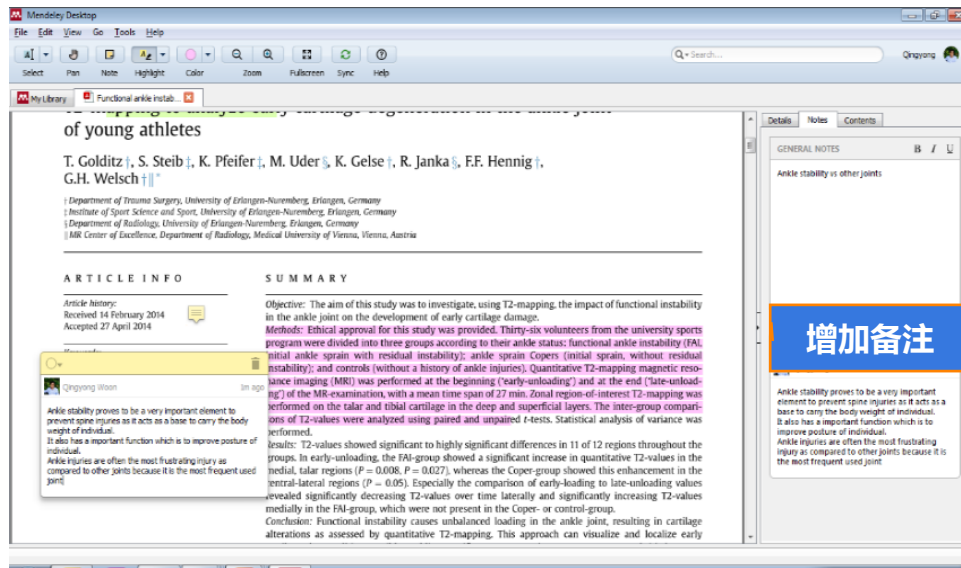
文献管理



参考文献管理工具

学术社交平台

阅读笔记



增加备注

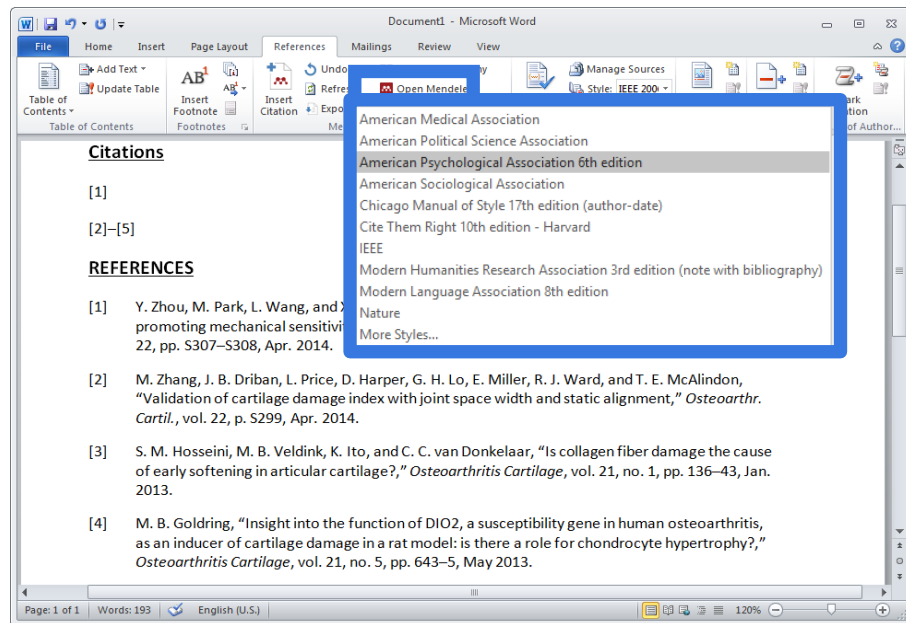
文献管理



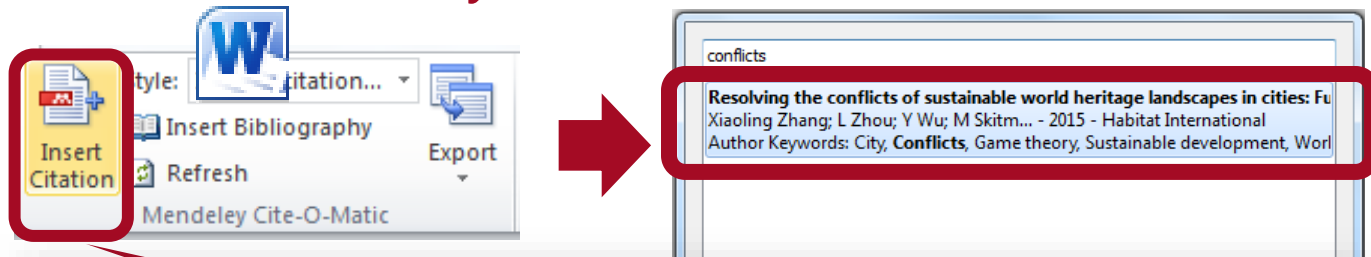
参考文献管理工具

学术社交平台

Word插件

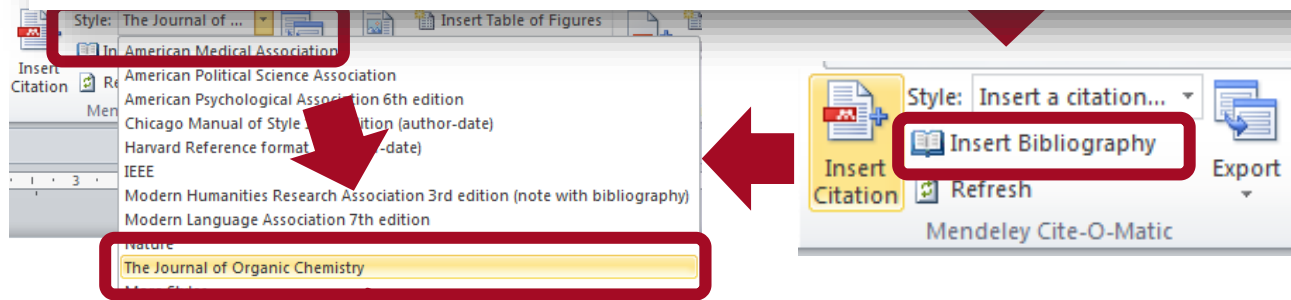


将文献通过Mendeley引用至您的手稿中



(1) Zhang, X.; Zhou, L.; Wu, Y.; Skitmore, M.; Deng, Z. *Habitat Int.* 2015, 46, 91–100.

将文献以指定方式插入手稿中



选择相应期刊接受的引用格式

EV特色总结

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、学科、作者、机构、文件类型、年刊名等(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.专为科研人员打造的追踪前沿利器：数值检索
- 5.一键获取学校Ei收录概览：工科机构档案和作者/机构检索



帮助



Engineering Village

Search ▾

Search History ⁰

Alerts ⁰

Selected records ⁰

Bulletins

More ▾



Quick search:

All fields ▾



for e.g. (artificial intelligence OR intelligent)

Databases ^

Date ▾

Language ▾

Document type ▾

Sort by ▾

Browse indexes ▾



All



Compendex



Inspec



NTIS



PaperChem



Chemica



EnCompassPAT



GEOBASE



GeoRef



US Patents



EP Patents

Compendex subject indexing update

Over the last two years we have introduced a new taxonomy to enable our users to track the latest research and improve the discoverability of existing research.



[View new concepts](#)

Support Center



FAQs



Find out the most frequently asked questions

Release Notes



Review our releases and other components

Knowledge Base



Learn how to use Engineering Village

[Support Overview ↗](#)

[Contact Us ↗](#)

[Subscribe to Newsletter ↗](#)



ELSEVIER

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）：

爱思唯尔客户服务联系信息：

- 电话: 4008426973
- E-mail: support.china@elsevier.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，培训课件和培训视频：[Engineering Village-思唯学苑 - 科研站 - 爱思唯尔科研医学服务平台](#)
(elsevierchina.com)
- 英文产品相关信息：www.elsevier.com/engineering-village

研究人员面临新挑战



2023爱思唯尔 Engineering Village 检索竞赛



活动时间 2023.10.12日 - 2023.12.31日

参赛通道

用户参与竞赛即可获得爱思唯尔EVI积分，一二三等奖（按成绩排名计算，共6名）、团体奖（按团体参与人数排名计算，共3名）和幸运奖（随机抽取20名）

扫描二维码提交个人信息，报名成功后根据提示信息参与竞赛



参与有礼

图片仅供参考，以实物为准



一等奖 (1名)

小度添添智能屏T10
双麦K歌 10英寸 高清大屏

¥1599



二等奖 (2名)

科大讯飞无线蓝牙鼠标M610

¥599



三等奖 (3名)

SKG颈椎按摩器K3

¥389



团队奖 (3名)

三星 (SAMSUNG) IPS屏幕
电脑显示器24英寸

¥1099



Elsevier

谢谢！

