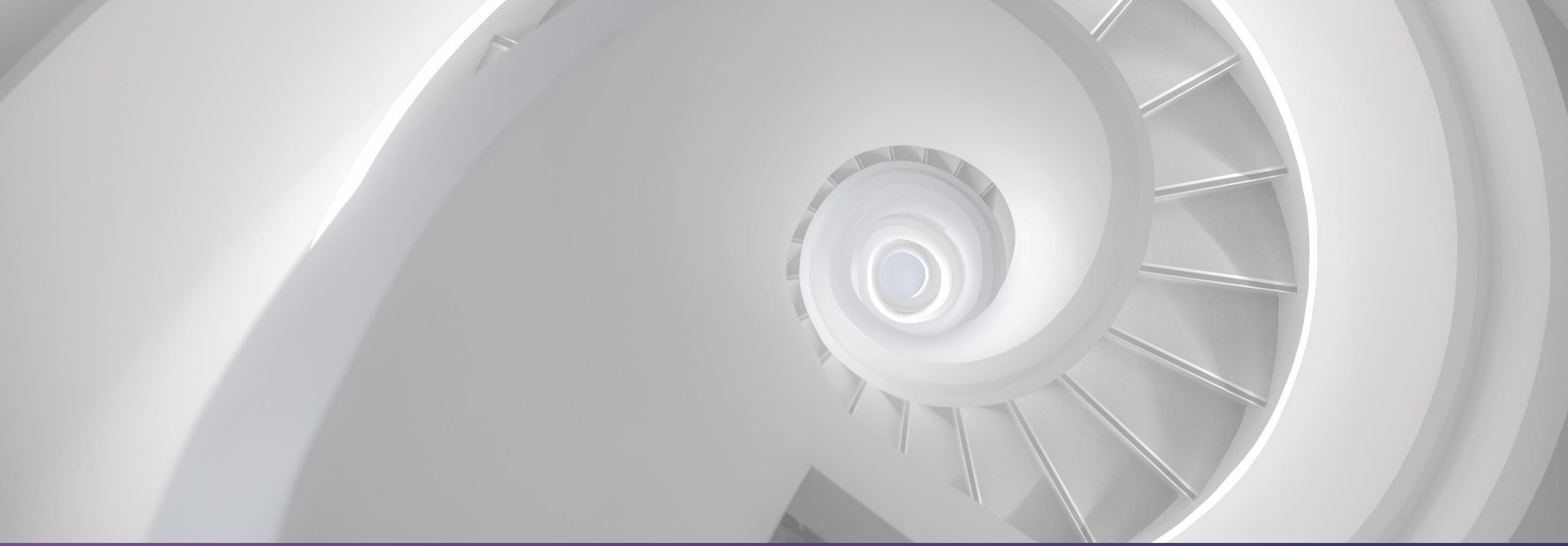


利用Web of Science进行创新性科学研究

李琛

中国科学技术大学图书馆

目录

CONTENTS

1. 数据与资源：Web of Science简介

2. Web of Science检索技巧

3. Web of Science在科研选题与投稿选刊中的应用

- 如何洞悉本领域的研究前沿与热点助力科研选题?
- 如何高效利用课题研究相关的文献?
- 如何高效开展课题调研?
- 如何高效管理文献资源，规范引用参考文献?
- 如何选择合适的期刊发表学术成果?

4. Web of Science平台其他资源与工具

1. 数据与资源：Web of Science简介

为什么要使用专业数据库?

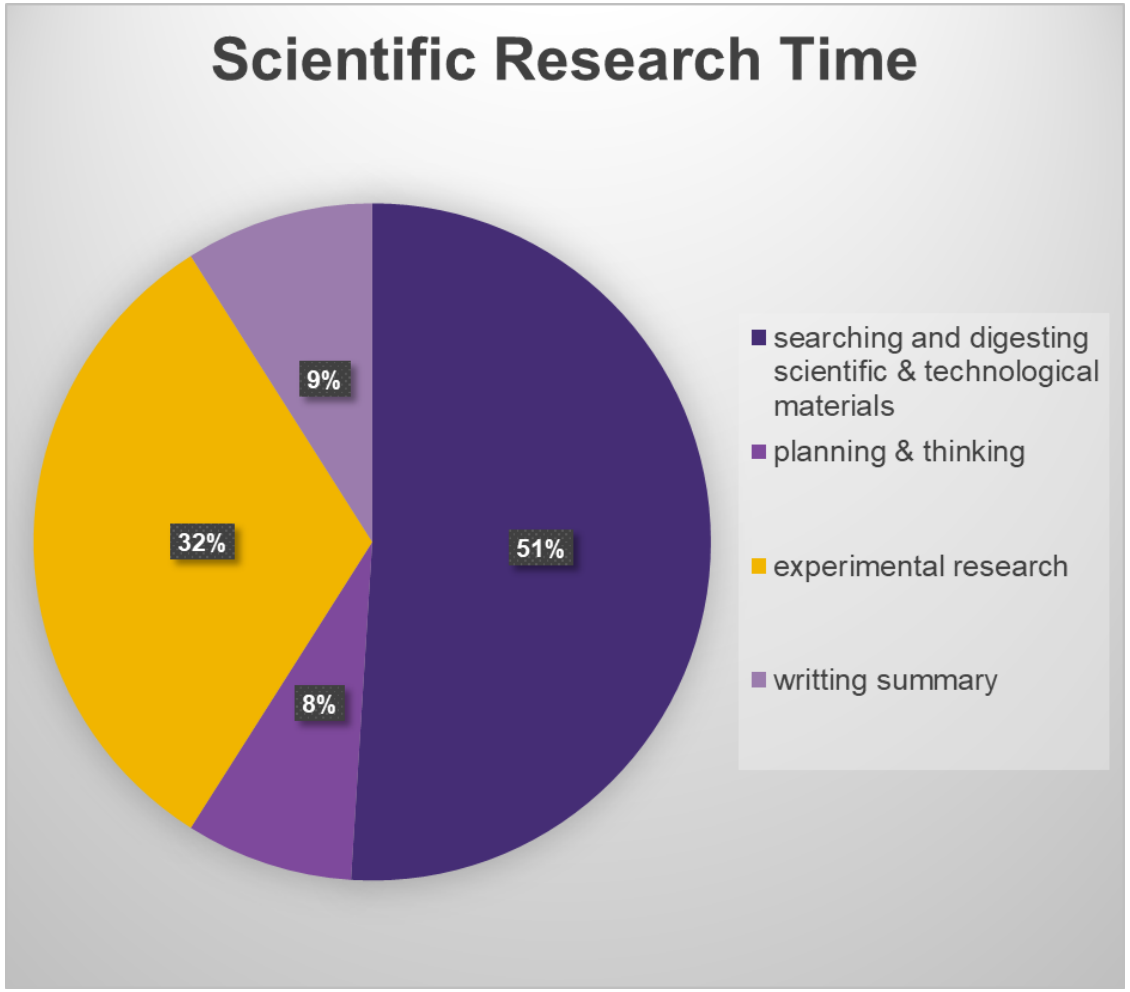
“Google can bring you back 100,000 answers, a librarian can bring you back the right one.”

——Neil Gaiman

科研的基本工作流程

- 检索相关研究　分析现有研究结果　发现问题　提出假说
- 制定实验方案　定义实验步骤　试验　资料汇总
- 数据可视化　数据验证　调整试验　验证假说
- 撰写研究论文　发表论文

科研中的信息需求



- 据美国科学基金会（National Science Foundation，NSF）统计，一个科研人员花费在查找和消化科技资料上的时间需占全部科研时间的51%，计划思考占8%，实验研究占32%，书面总结占9%。

- 由上述统计数字可以看出，科研人员花费在科技出版物上的时间为全部科研时间的60%。

科技文献的等级划分

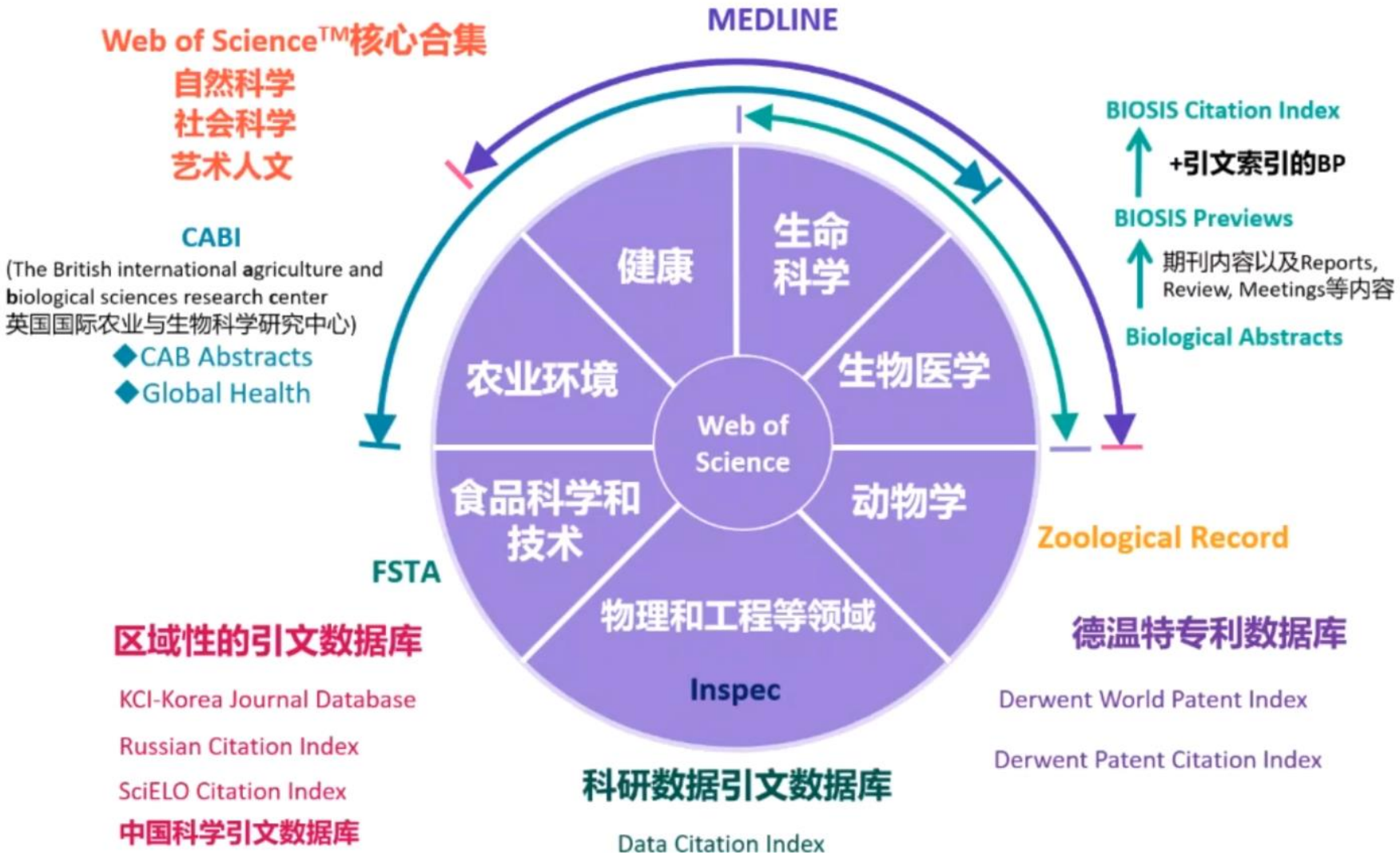
查找**相关文献**是科研工作的重要内容，除了利用**科学搜索引擎**之外，欢迎使用各**专业数据库。**

特别推荐大家使用**综合性文摘数据库**

根据加工程度不同，文献类型可以划分为：

- **零次文献（灰色文献）**；
- **一次文献（原始文献）**：检索和利用的主要对象；
- **二次文献**：检索的主要利用工具；
- **三次文献**：利用二次文献的基础上，选用一次文献内容，进行分析、概括、综合研究和评价而生成的再生信息源

Web of Science综合性的学术平台



Web of Science核心合集数据简介

期刊

❖**Science Citation Index Expanded (科学引文索引)**

178个学科的9,500多种高质量学术期刊

❖**Social Sciences Citation Index (社会科学引文索引)**

58个社会科学学科的3,500多种权威学术期刊

❖**Arts & Humanities Citation Index (艺术与人文引文索引)**

28个人文艺术领域学科的1800多种国际性的学术期刊

❖**Emerging Sources Citation Index（新兴资源引文索引)**

254个学科的7700多种国际性学术期刊

会议

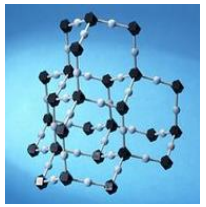
❖**Conference Proceedings Citation Index – Science+ Social Science & Humanities(会议录引文索引– 自然科学版+社会科学与人文版)**

超过225,000个会议录，涉及250多个学科

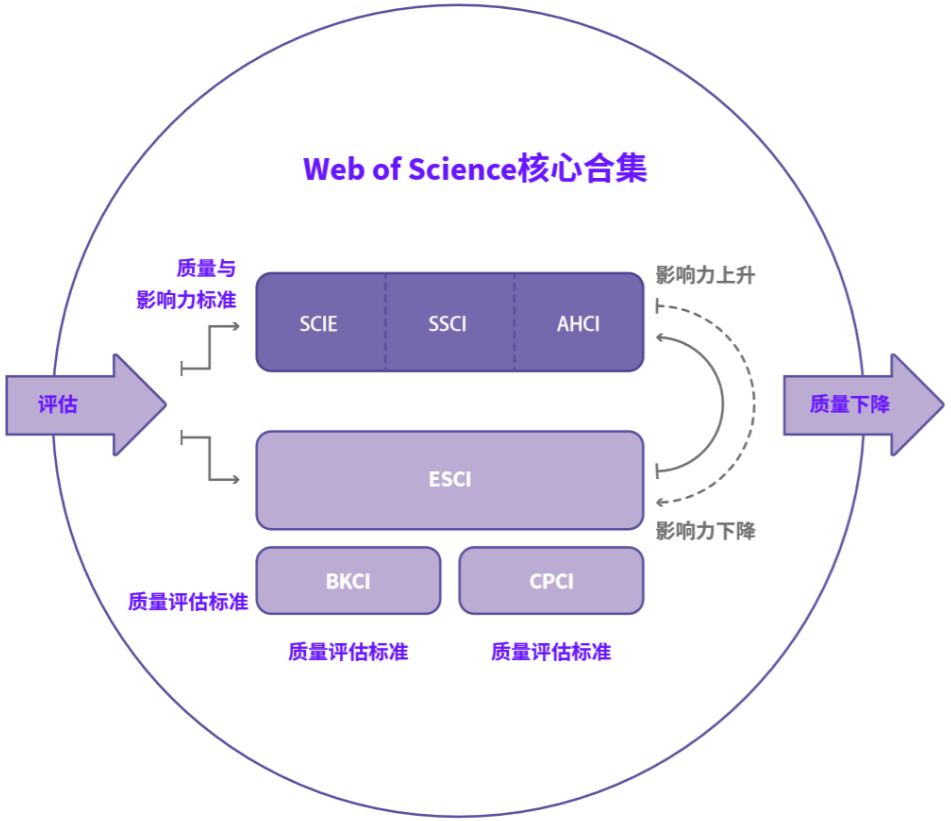
化学

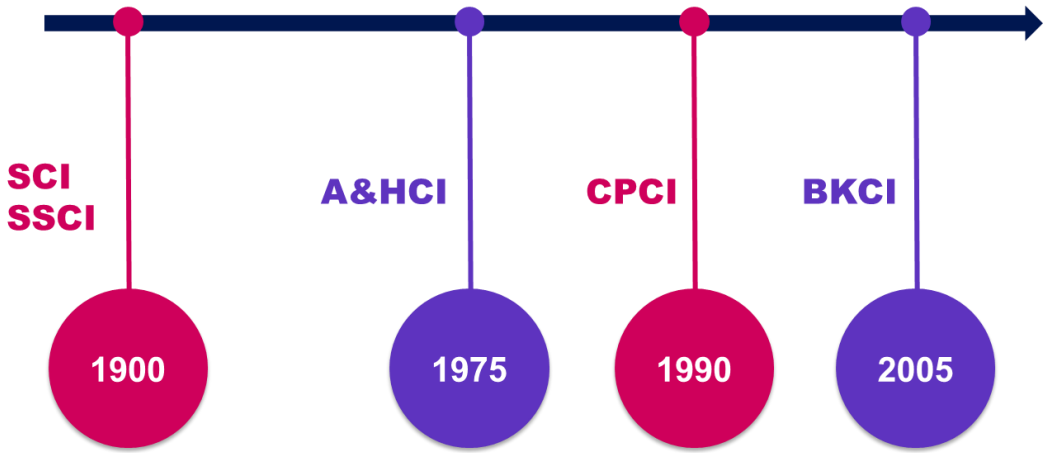
❖**IC/CCR（化学类数据库)**

超过125万种化学反应信息及655万种化合物



Web of Science核心合集数据简介

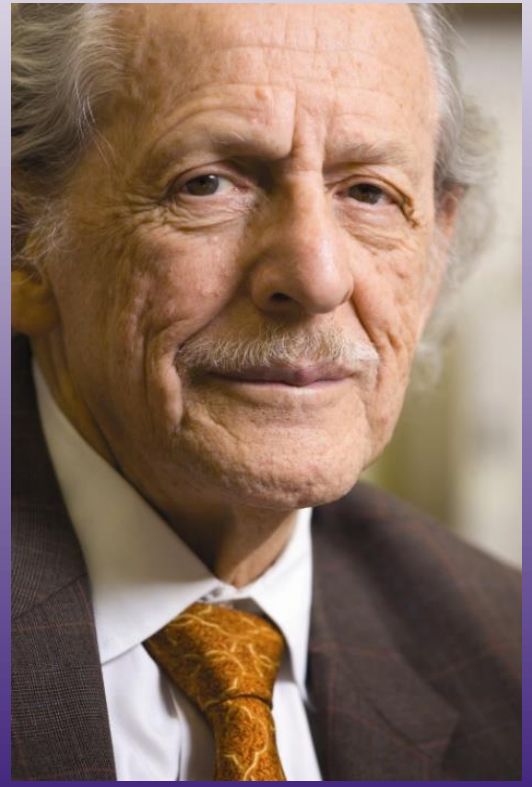




- 遴选全球最具学术影响力的高质量期刊
- 完整收录每一篇文章的全部信息，包括全面的**引文信息**

- 基于早期的期刊、报告、出版物来定位当前研究；
- 追溯某一观点从首次提出至今的历史脉络与方法论；
- 进行更深入、更全面的检索，并跟踪百年的研究发展趋势。

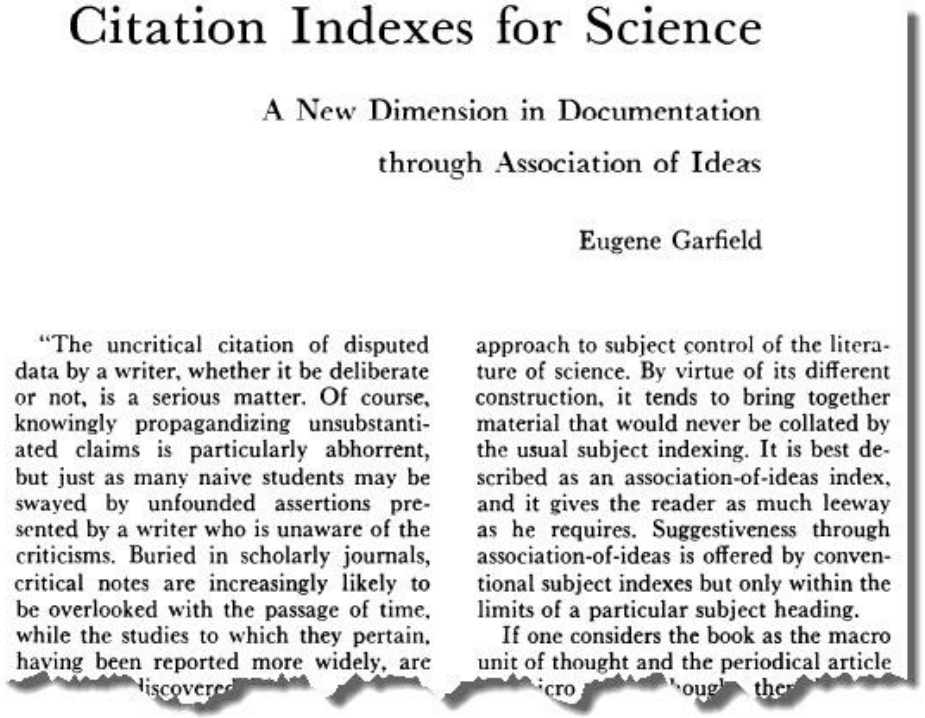
引文索引



Dr. Eugene Garfield

Founder & Chairman Emeritus
ISI, Thomson Scientific

Dr. Garfield 1955年在 Science 发表论文提出将引文索引作为一种新的文献检索与分类工具：将一篇文献作为检索字段从而跟踪一个Idea的发展过程及学科之间的交叉渗透的关系。



Citation Indexes for Science

A New Dimension in Documentation through Association of Ideas

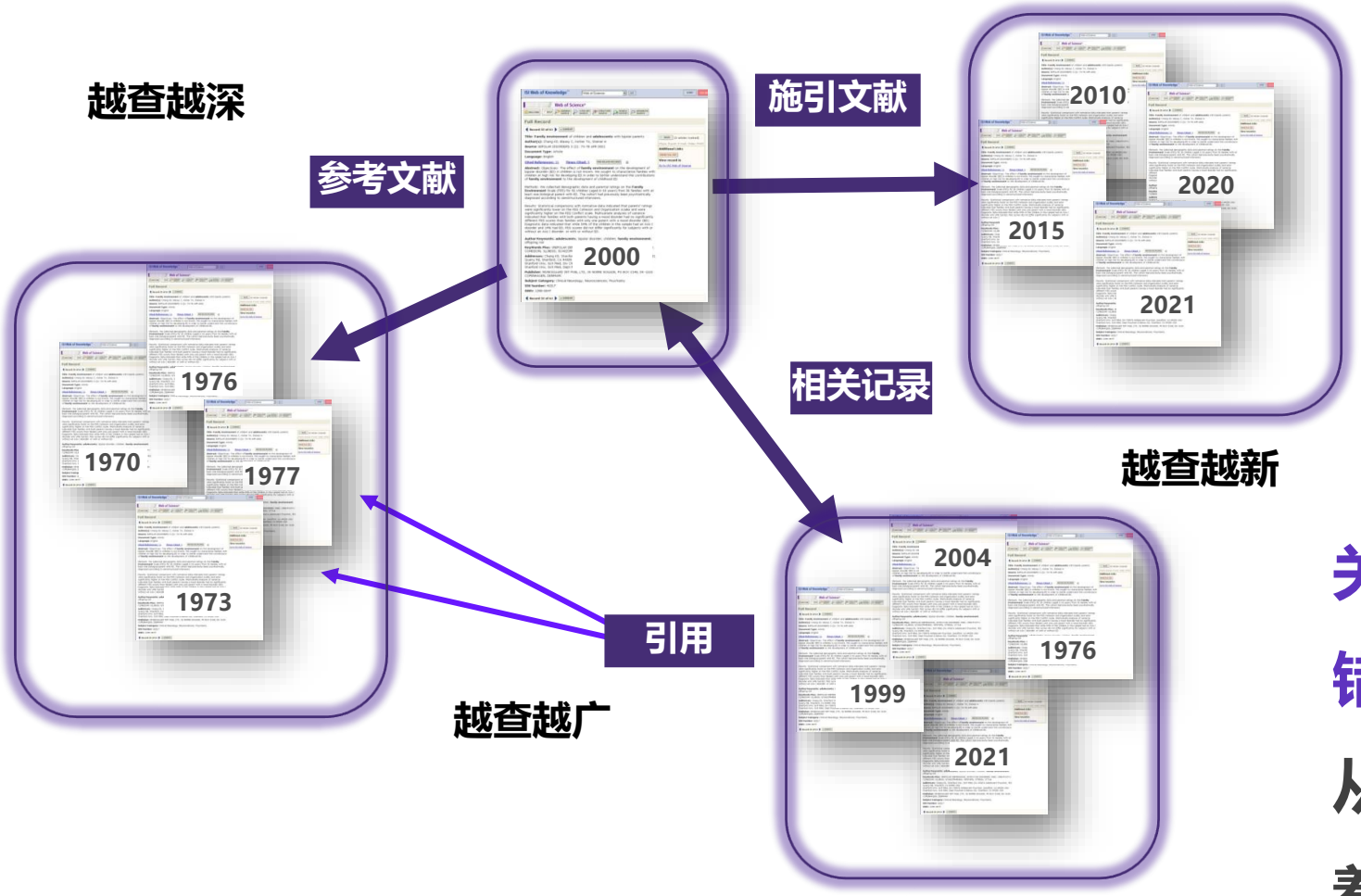
Eugene Garfield

"The uncritical citation of disputed data by a writer, whether it be deliberate or not, is a serious matter. Of course, knowingly propagandizing unsubstantiated claims is particularly abhorrent, but just as many naive students may be swayed by unfounded assertions presented by a writer who is unaware of the criticisms. Buried in scholarly journals, critical notes are increasingly likely to be overlooked with the passage of time, while the studies to which they pertain, having been reported more widely, are

approach to subject control of the literature of science. By virtue of its different construction, it tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index, and it gives the reader as much leeway as he requires. Suggestiveness through association-of-ideas is offered by conventional subject indexes but only within the limits of a particular subject heading.

If one considers the book as the macro unit of thought and the periodical article

引文索引



关键词的不断演变，造成漏检，错过高影响力的重要文献

从一篇高质量的文献出发，沿着科学研究的发展道路前行

引文索引的意义

引文索引系统打破了传统的学科分类界限，既能揭示某一学科的继承与发展关系，又能反映学科之间的交叉渗透的关系

学科上的相关性

- 理论与方法：借鉴与利用
- 技术与手段：应用与发展

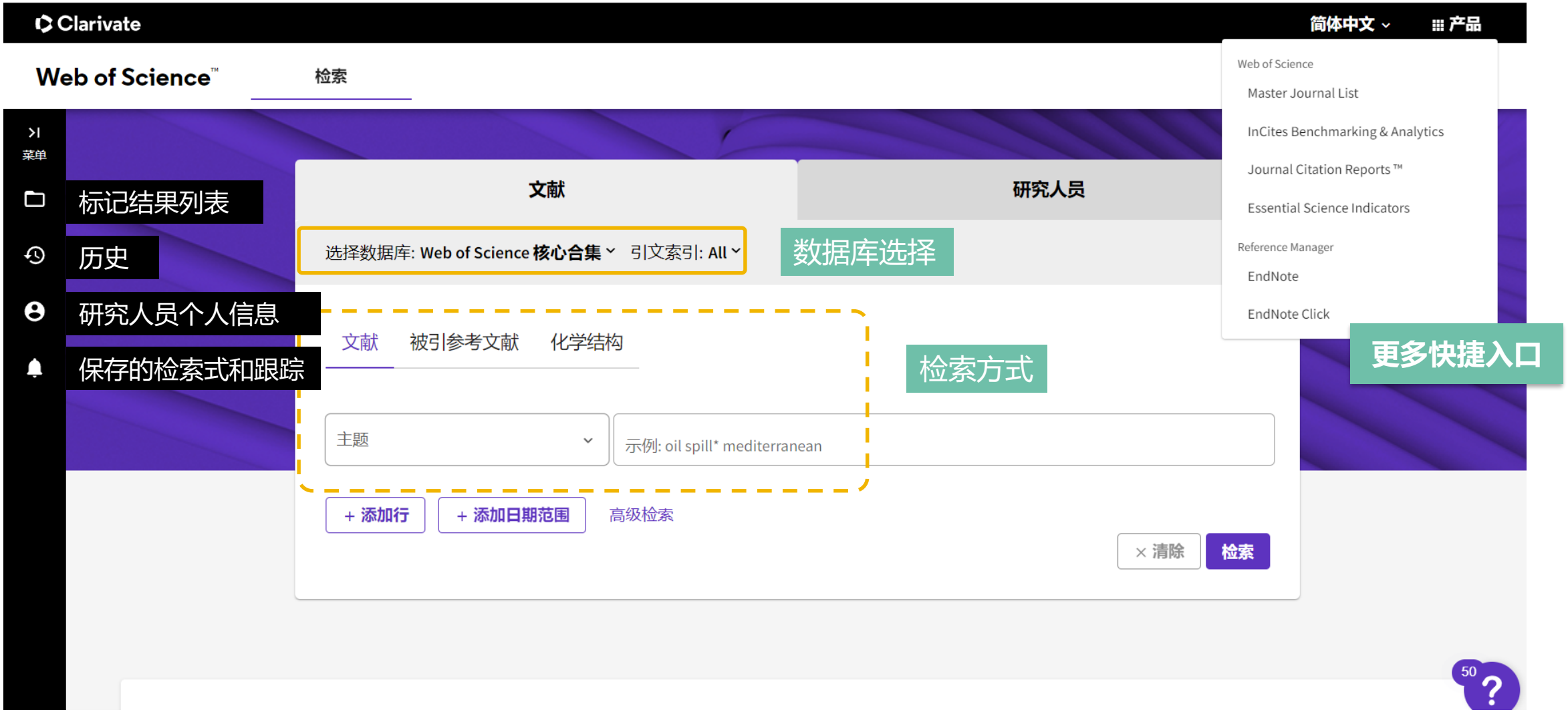
横向上的对应性

- 实验或方法：互相参照与借鉴
- 结果与讨论：比较与应用

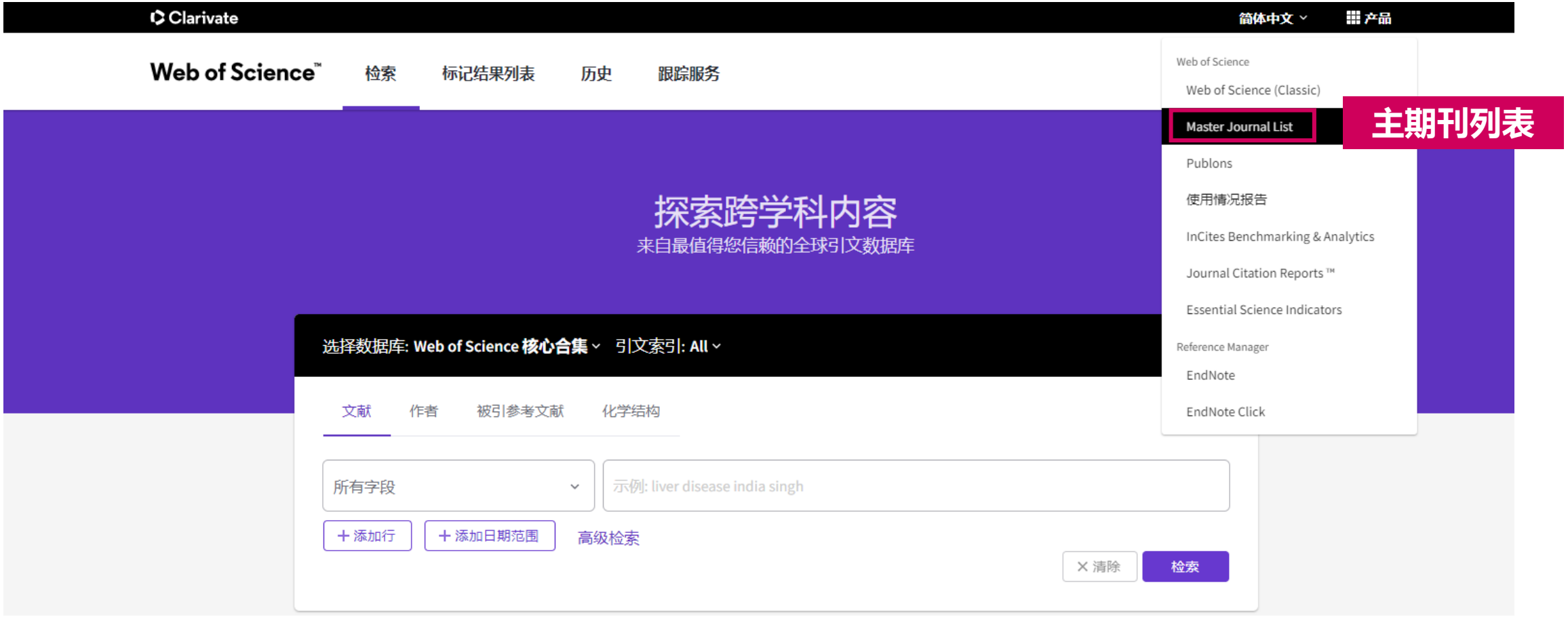
纵向上的继承性

- 课题的基础与起源
- 发展与进步
- 反引：学术争鸣

认识Web of Science平台



确认期刊收录状态、精准访问期刊官网



主期刊列表-了解期刊收录动态

Web of Science Group **Master Journal List** | Search Journals | Match Manuscript | Downloads | Help Center

Welcome, qingwen yuan

Settings | Log Out

Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Filters | Clear All

- *Web of Science* Coverage
- Open Access
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

molecular pharmaceutics | Search | Sort By: Relevancy

Search Results

Found 884 results (Page 1) | Share These Results

(Exact Match)

MOLECULAR PHARMACEUTICS

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, USA, DC, 20036

ISSN / eISSN: 1543-8384 / 1543-8392

Categories: PHARMACOLOGY & PHARMACY | PHARMACOLOGY & TOXICOLOGY | MEDICINE, RESEARCH & EXPERIMENTAL

Web of Science Core Collection: Science Citation Index Expanded

Additional *Web of Science* Indexes: Biological Abstracts | BIOSIS Previews | Current Contents Life Sciences | Essential Science Indicators

了解期刊收录情况

Share This Journal | View profile page

主期刊列表-了解期刊收录动态

Web of Science Group | Master Journal List | Search Journals | Match Manuscript | Downloads | Help Center

Welcome, qingwen yuan
Settings | Log Out

NEW Check out our new metric to help you evaluate journals! Dismiss Learn More

- General Information
- *Web of Science* Coverage
- Journal Citation Report
- Peer Review Information
- PubMed® Information

Return to Search Results

MOLECULAR PHARMACEUTICS

Share This Journal

ISSN / eISSN **1543-8384 / 1543-8392**
Publisher **AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, USA, DC, 20036**

General Information

期刊官网

Journal Website	Visit Site	**Publisher Website**	Visit Site
1st Year Published	2004	**Frequency**	Bi-monthly
Issues Per Year	6	**Country / Region**	UNITED STATES OF AMERICA
Primary Language	English		

期刊投稿官网

Web of Science Coverage

Collection	Index	Category	Similar Journals
Core Collection	Science Citation Index Expanded (SCIE)	Pharmacology & Pharmacy | Medicine, Research & Experimental	Find Similar Journals
Current Contents	Life Sciences	Pharmacology & Toxicology	Find Similar Journals
Other	Biological Abstracts	Medicine, Research & Experimental | Pharmacology & Pharmacy	Find Similar Journals

主期刊列表-下载期刊列表

Web of Science Group **Master Journal List** Search Journals Match Manuscript Downloads Help Center

Welcome, qingwen yuan

Settings Log Out

NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Collection List Downloads

Web of Science Core Collection

Additional *Web of Science* Indexes

Web of Science Core Collection

Last Updated: August 21, 2021

The Web of Science Core Collection™ includes the Science Citation Index Expanded™ (SCIE), Social Sciences Citation Index™ (SSCI), Arts & Humanities Citation Index™ (AHCI), and Emerging Sources Citation Index™ (ESCI). Web of Science Core Collection includes only journals that demonstrate high levels of editorial rigor and best practice. The Journal Citation Reports™ includes journals from the SCIE and SSCI.

Each collection list download includes the journal title, ISSN/eISSN, publisher name and address, language, and category.

下载最新期刊列表

Science Citation Index Expanded (SCIE) | *Social Sciences Citation Index (SSCI)* | *Arts & Humanities Citation Index (AHCI)* | *Emerging Sources Citation Index (ESCI)* | *JCR 2021*

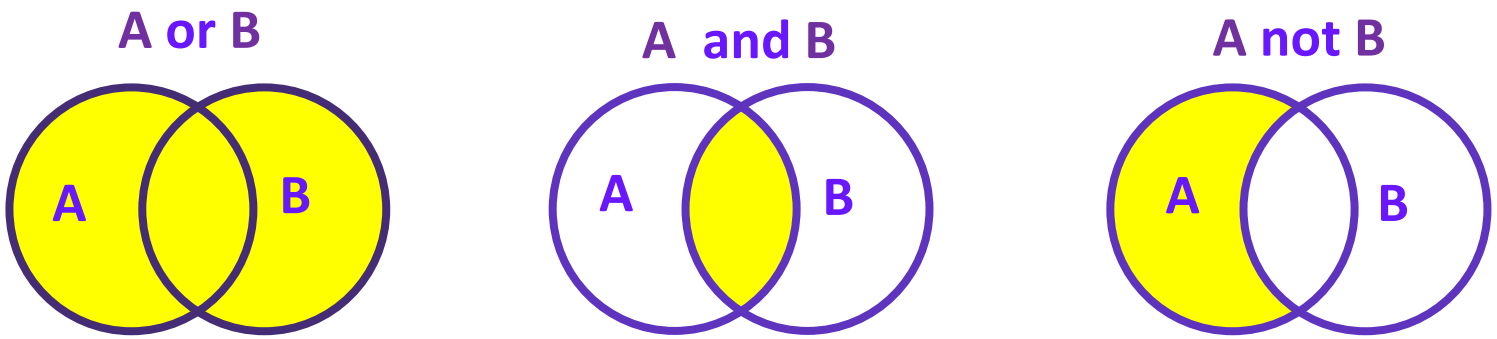
Additional *Web of Science* Indexes

Last Updated: August 21, 2021

- 文献检索
- 被引参考文献检索
- 作者检索

2. Web of Science检索技巧

巧用运算符/通配符

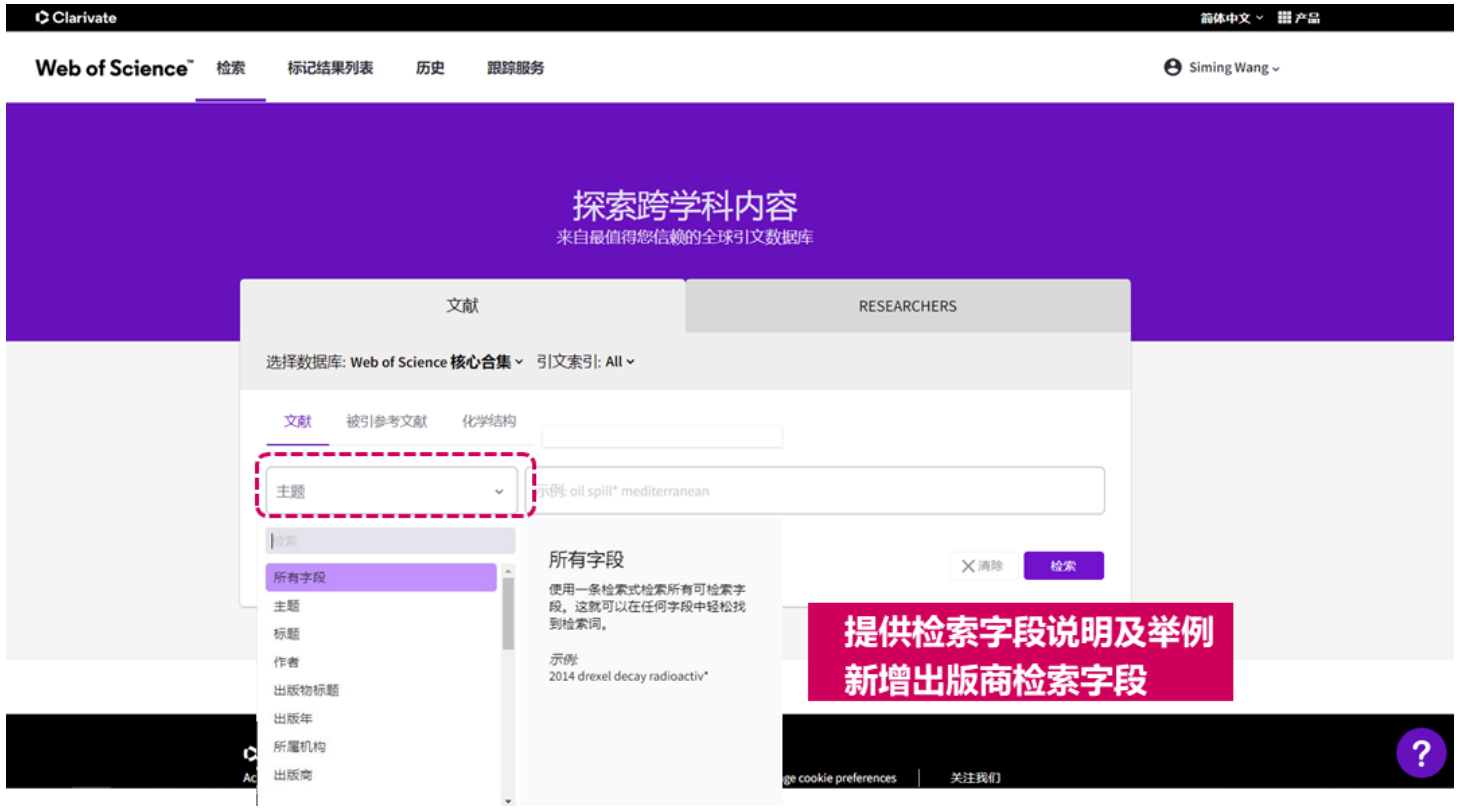


运算符（英文）	检索结果	检索式	作用
" "	aquatic ecosystem	“aquatic ecosystem"	精确检索短语
*	gene, genetics, generation等	gene*	代表≥0个字符
?	women;woman等	wom?n	代表1个字符
$	color,colour等	colo$r	代表0或1个字符

文献检索新功能

（1）检索字段说明与新增

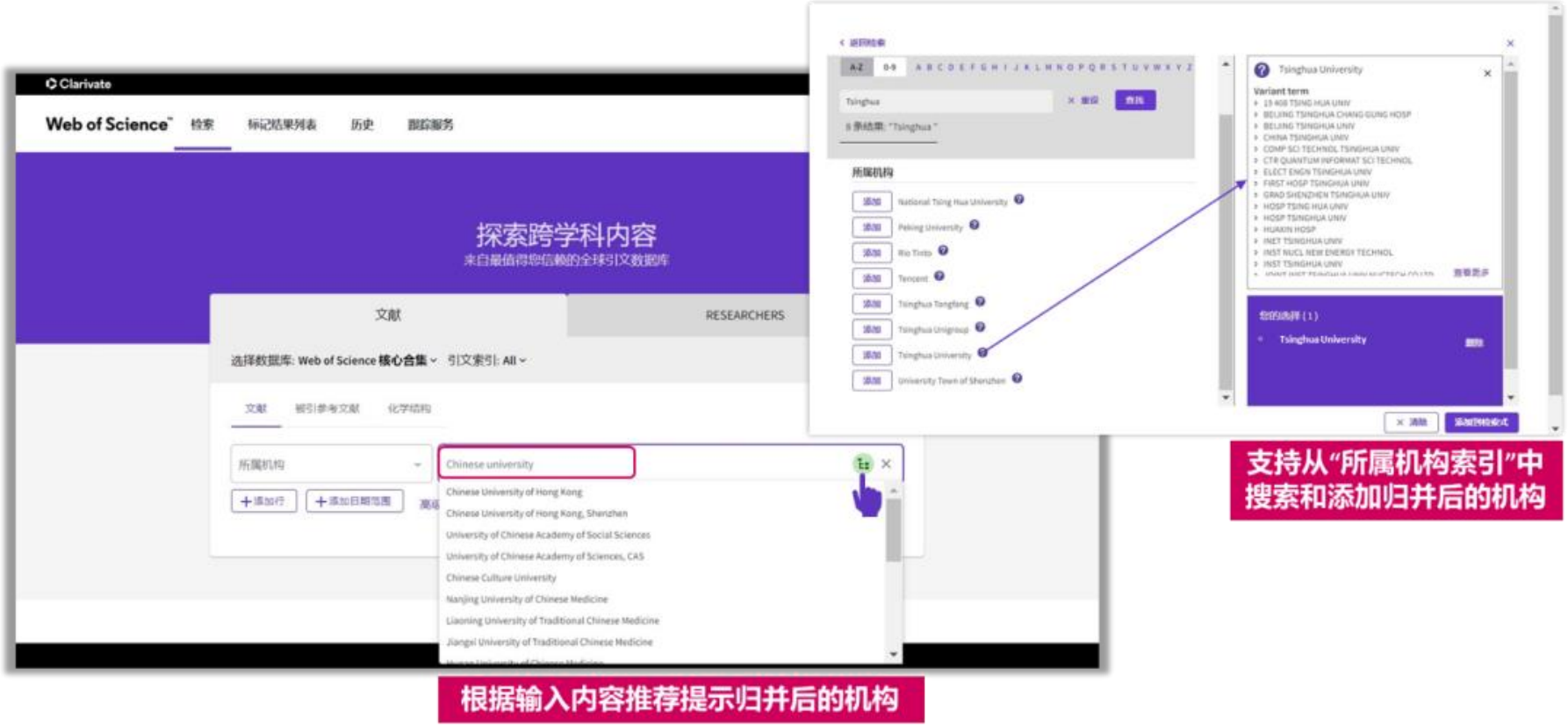
在新版Wos中，选择一个检索字段，平台会给出**该字段的检索说明与实际举例**，方便大家操作；同时新增了出版商检索字段，部分检索字段可以更灵活自定义，比如**出版日期和索引日期均可以精确到年月日。**



文献检索新功能

（2）所属机构字段新增联想功能

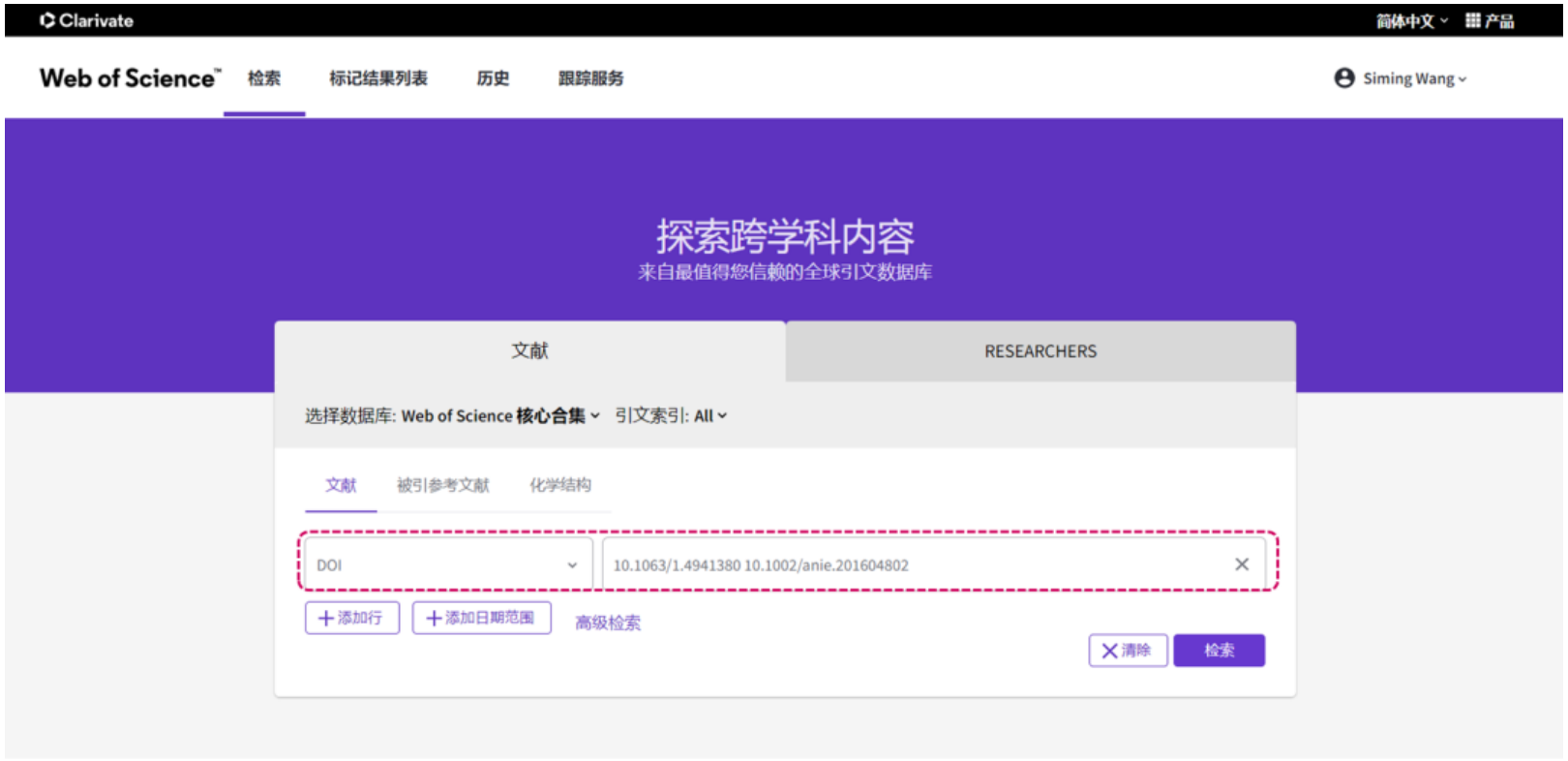
选择“所属机构”检索字段，平台将根据输入内容推荐提示归并后的机构名称，并支持从索引中搜索和添加。



文献检索新功能

（3）支持一串DOI、入藏号、PubMed ID智能检索

新版WoS支持一串DOI、入藏号、PubMed ID检索，中间无需使用布尔逻辑运算符连接，即默认为OR运算。



Clarivate Clarivate

例1：按照作者姓名检索

首先输入姓氏全拼，再输入空格和名字的首字母（最多输入四个字母）。
还可以只输入姓氏，不输入名字首字母。
当前，Web of Science平台支持作者姓名全称检索。

例：

- Driscoll C* 查找 Driscoll C、Driscoll CF、Driscoll CM、Driscoll CMH 等。
- Driscoll CM* 查找 Driscoll CM、Driscoll CMH。
- Driscoll 查找姓氏为 Driscoll 的所有作者/编者。

例1：检索谢毅教授发表的论文

谢毅（中国科学院院士）

1967年出生于安徽省阜阳市，中国科学院院士、发展中国家科学院院士，中国科学技术大学化学与材料科学学院教授，合肥微尺度物质科学国家实验室教授。

例1：检索谢毅教授发表的论文

例1：检索谢毅教授发表的论文

467 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

xie yi (作者) and University of Science & Technology of China, CAS (所属机构)

分析检索结果 | 引文报告 | 创建跟踪服务

复制检索式链接

出版物

精炼检索结果

在结果中检索...

筛选文献的方法：

限定作者单位、发表年份、合作者、期刊名称、学科领域等

1 / 10

快速过滤

- 高被引论文 81
- 综述论文 41
- 在线发表 3
- 开放获取 56

出版年

- 2022 9
- 2021 64
- 2020 41
- 2019 34

1 Vacancy Engineering for Tuning Electron and Phonon Structures of Two-Dimensional Materials

Liu, YW; Xiao, C; (...); Xie, Y

3rd International Conference on the Challenges and Perspectives of Functional Nanostructures (CPFN)

Dec 2016 | ADVANCED ENERGY MATERIALS 6 (23)

2D inorganic materials are now breeding a wide-ranging series of energy applications including catalysis, electrochemical activity, thermoelectricity and spin electronic devices. However, the physicochemical property of virgin 2D inorganic materials can scarcely satisfy the modern increasing diversificated demand of theory and applcations. In this regard, confined electron and phonon structures ... 显示更多

Links | 出版商处的全文

138 被引频次

59 参考文献

相关记录

2 Strong-Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions

Chen, PZ; Xu, K; (...); Xie, Y

Feb 12 2016 | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 55 (7) , pp.2488-2492

Developing highly active catalysts for the oxygen evolution reaction (OER) is of paramount importance for designing various renewable energy storage and conversion devices. Herein, we report the synthesis of a category of Co-Pi analogue, namely cobalt-based borate (Co-Bi) ultrathin nanosheets/ graphene

320 被引频次

53 参考文献

例1：检索谢毅教授发表的论文

467 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

xie yi (作者) and University of Science & Technology of China, CAS (所属机构)

分析检索结果 | 引文报告 | 创建跟踪服务

复制检索式链接

出版物 | 您可能也想要...

精炼检索结果

在结果中检索...

快速过滤

- 高被引论文 81
- 综述论文 41
- 在线发表 3
- 开放获取 56

出版年

- 2022 9
- 2021 64
- 2020 41
- 2019 34

0/467 | 添加到标记结果列表 | 导出

排序方式: 相关性 | 1 / 10

1 Vacancy Engineering for Tuning Electron and Phonon Structures of Two-Dimensional Materials

Liu, YW; Xiao, C; (...); Xie, Y

3rd International Conference on the Challenges and Perspectives of Functional Nanostructures (CPFN)

Dec 2016 | ADVANCED ENERGY MATERIALS 6 (23)

2D inorganic materials are now breeding a wide-ranging series of energy applications including catalysis, electrochemical activity, thermoelectricity and spin electronic devices. However, the physicochemical property of virgin 2D inorganic materials can scarcely satisfy the modern increasing diversificated demand of theory and applcations. In this regard, confined electron and phonon structures ... 显示更多

Links | 出版商处的全文

138 被引频次

59 参考文献

相关记录

2 Strong-Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions

Chen, PZ; Xu, K; (...); Xie, Y

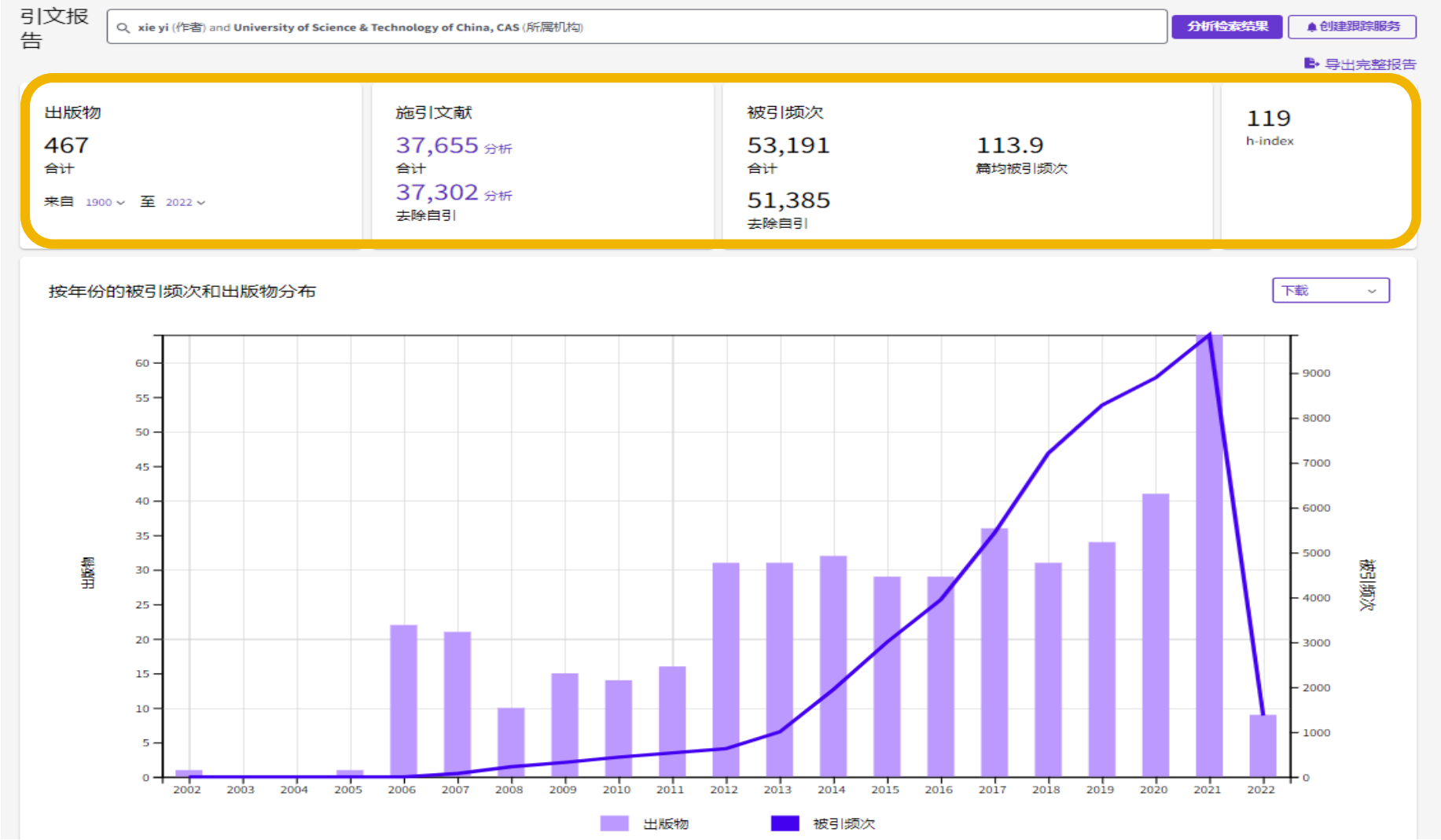
Feb 12 2016 | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 55 (7) , pp.2488-2492

Developing highly active catalysts for the oxygen evolution reaction (OER) is of paramount importance for designing various renewable energy storage and conversion devices. Herein, we report the synthesis of a category of Co-Pi analogue, namely cobalt-based borate (Co-Bi) ultrathin nanosheets/ graphene

320 被引频次

53 参考文献

例1：谢毅论文的引文报告



H指数（h-index）

- H指数（H index）是一个混合量化指标，可用于评估研究人员的学术产出数量与学术产出水平。H指数是2005年由美国加州大学圣地亚哥分校的物理学家乔治·赫希提出的。
- H指数的计算基于其研究者的论文数量及其论文被引用的次数。赫希认为：**一个人在其所有学术文章中有N篇论文分别被引用了至少N次，他的H指数就是N。**

What's wrong with the h-index, according to its inventor

"*Severe unintended negative consequences.*"

24 March 2020

Gemma Conroy

h指数的提出者——美国物理学家乔治·赫希（Jorge E Hirsch）在2020年1月的《物理学与社会》上“自曝家丑”，指出了h指数存在的诸多不足。比如，可能阻碍科研人员的创新性思考、鼓励大家追逐热门研究主题，且不同领域的h指数几乎没有可比性。

Hirsch写道：“科学界中大约有一半人喜欢h指数，而另一半则讨厌它。”
虽然他仍认为这是评价科学成就的最佳指标之一，但也担心“h指数可能会失败，并产生意想不到的严重负面后果”。

例2：检索科大化学院发表的SCIE论文

例2：检索科大化学院发表的SCIE论文

25,916 条来自 Science Citation

univ sci & technol china and chem* (地址

复制检索式链接

出版物　您可能也想要...

精炼检索结果

在结果中检索...

快速过滤

- 高被引论文
- 热点论文
- 综述论文
- 在线发表
- 开放获取

出版年

- 2022
- 2021

Flame propagation through zirconium particles coated with different ratios of Fe3O4

作者: Gao, W (Gao, Wei)[1]; Zhou, Q (Zhou, Qi)[2]; Sun, JH (Sun, Jinhua)[2]

FUEL
卷: 148 **页:** 231-237
DOI: 10.1016/j.fuel.2015.01.082
出版年: MAY 15 2015
查看期刊信息

摘要

This study investigated the effects of Fe3O4 coating ratios on the characteristics of flame propagation in dust clouds of 38-mu m zirconium particles. A high-speed observation system, fine thermocouples, scanning electron microscopy and X-ray photoelectron spectroscopy were used to reveal the flame propagation behaviors, velocities, temperatures and reaction mechanisms in detail. The results showed that the propagating flames emitted a strong white light, with a thin yellow light zone gradually appearing in front of the white light zone. As the concentration was increased, the flame propagation velocities of zirconium particles coated with an Fe3O4 ratio of 9:1 were greater than those of zirconium particles coated with an Fe3O4 ratio of 3:1 due to the zirconium content and the contact area between zirconium particles and the oxygen. The temperatures of zirconium particles coated with an Fe3O4 ratio of 9:1 and zirconium particles coated with an Fe3O4 ratio of 3:1 did not peak in the experimental range. But the temperatures of zirconium particles coated with an Fe3O4 ratio of 9:1 were always higher than those of zirconium particles coated with an Fe3O4 ratio of 3:1. The scanning electron microscopy and X-ray photoelectron spectroscopy demonstrated that a replacement reaction occurred between Zr and Fe3O4 during the combustion process. (C) 2015 Elsevier Ltd. All rights reserved.

关键词

作者关键词: Dust explosions; Coated zirconium particles; Flame propagation behaviors; Flame temperatures; SEM and XPS analysis
KeyWords Plus: ALUMINUM PARTICLES; DUST EXPLOSIONS; COMBUSTION; IGNITION; BEHAVIOR; CHAMBER

作者信息

通讯作者地址: Gao, W (通讯作者)
Dalian Univ Technol, Sch Chem Machinery, Dalian 116024, Liaoning, Peoples R China.
地址:
[1] Dalian Univ Technol, Sch Chem Machinery, Dalian 116024, Liaoning, Peoples R China
[2] Univ Sci & Technol China, State Key Lab Fire Sci, Hefei 230027, Anhui, Peoples R China

索结果　引文报告　创建跟踪服务

序方式: 相关性　1 / 519

irradiation

(NH3)(4)(2+) and
at it is beneficial to the
显示更多

27
参考文献

相关记录

19
被引频次

12
参考文献

as the reactants. X-ray
rom X-ray

例2：检索科大化学院发表的SCIE论文

地址= univ sci technol china **SAME** chem*

Same算符连接的关键词必须在同一句话内，但关键字前后顺序不限。在主题词字段检索时，功能同“AND”。在“地址”字段检索时，所连接的两个词出现在同一个字段中。

被引参考文献检索（Cited Reference Search）

以一篇文章（无论是否SCI论文）、一个作者、一本期刊、一个专利或者一本图书作为检索词,进行被引文献的检索 。

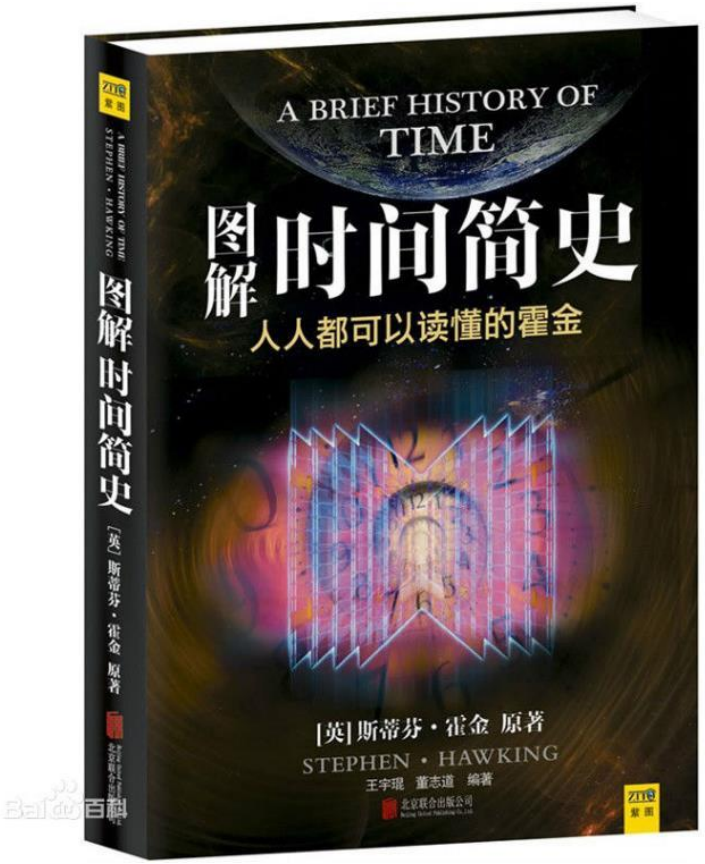
在不了解关键词或者难于限定关键词的时候，可以从一篇高质量的文献出发，了解课题的全貌跟踪最新的发展，设计下一步的研究计划。

- 某一理论有没有得到进一步的证实？是否已经应用到了新的领域？
- 某项研究的最新进展及其延伸？
- 某个实验方法是否得到改进？
- 如何了解某篇论文/某部论著被引用情况，揭示其影响力？

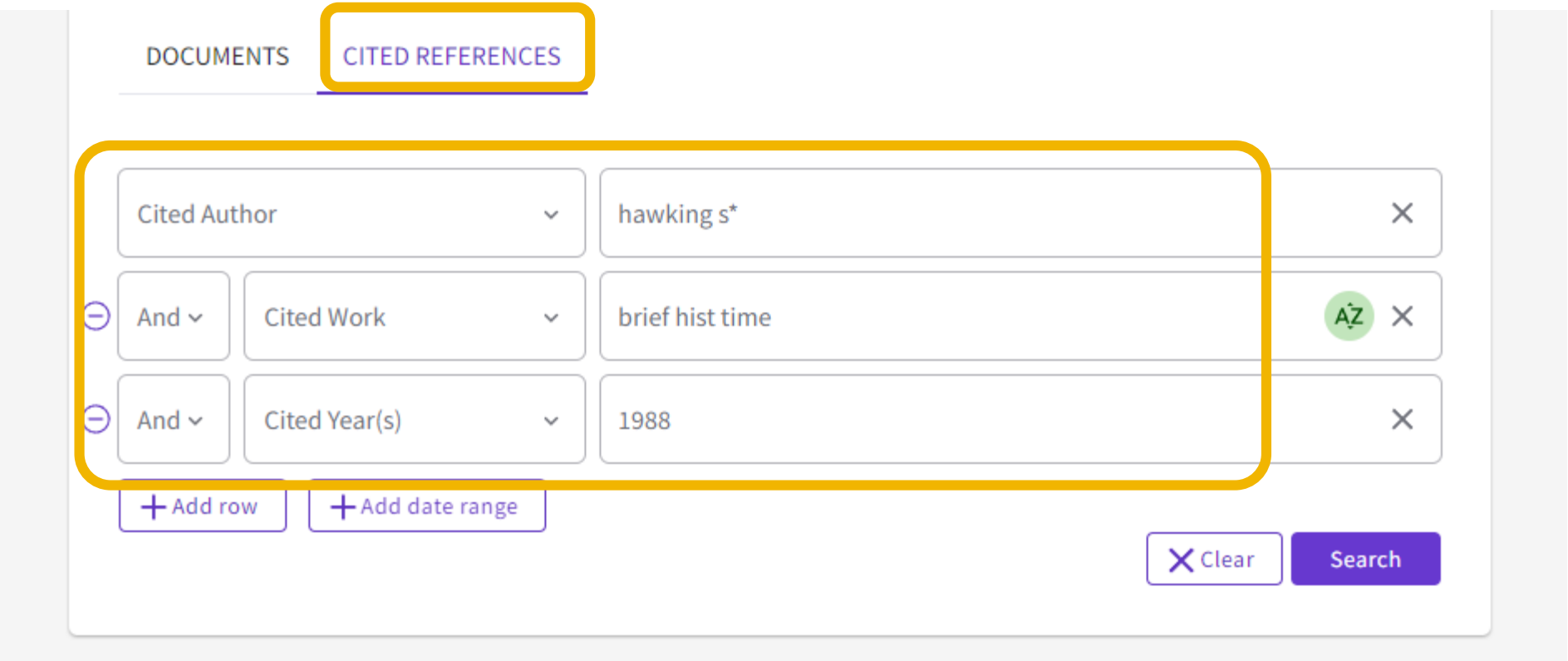
例3：检索《时间简史》被引情况

通过被引参考文献检索了解霍金的著作《时间简史》

- 对于该书有哪些不同的视角和观点?
- 其他物理学家沿着他的方法分析提出了哪些理论?
- 最近5年的最新发展与应用是什么?



例3：检索《时间简史》被引情况



录入信息时需注意作者姓名缩写情况
通常姓是全拼，名是首字母缩写，姓在前，名在后。

例3：检索《时间简史》被引情况

40 Cited References

Step 2: Select the cited references in this list that match the author(s) or work(s) you are interested in, then See Results.

40/40 Export See Results 1 of 1

Cited Author Expand All	Cited Work Expand All	Title	Year	Volume	Issue	Page	Identifier	Citing Articles
Hawking, S	BRIEF HIST TIME		1988			10		4
Hawking, S.	BRIEF HIST TIME		1988			125		4
Hawking, S	BRIEF HIST TIME		1988			145		2
Hawking, S	BRIEF HIST TIME		1988			224		1
Hawking, S.	BRIEF HIST TIME		1988					681

例3：检索《时间简史》被引情况

367 citing articles from All Databases for:

hawking s* (Cited Author) and **brief hist time** (Cited Work) and **1988** (Cited Year(s))

Analyze Results | Citation Report | Create Alert

Copy query link

Refine results

Search within results for...

Quick Filters

- Review Articles 45
- Open Access 85

Publication Years

0/367 | Add To Marked List | Export

Sort by: **Relevance** 1 of 8

1 Abduction According to Peirce: Reflections from the South on the Crisis of Representation Brought on by COVID-19

Fugellie, PA

Jan-jun 2022 | NOESIS-REVISTA DE CIENCIAS SOCIALES 31 (61) , pp.243-267

In this article, I reflect on the importance of abductive thinking for processes of material and conceptual reinvention in the context of the current public health crisis. Inseparable from the climate change engulfing the planet, this crisis provides ... Show more

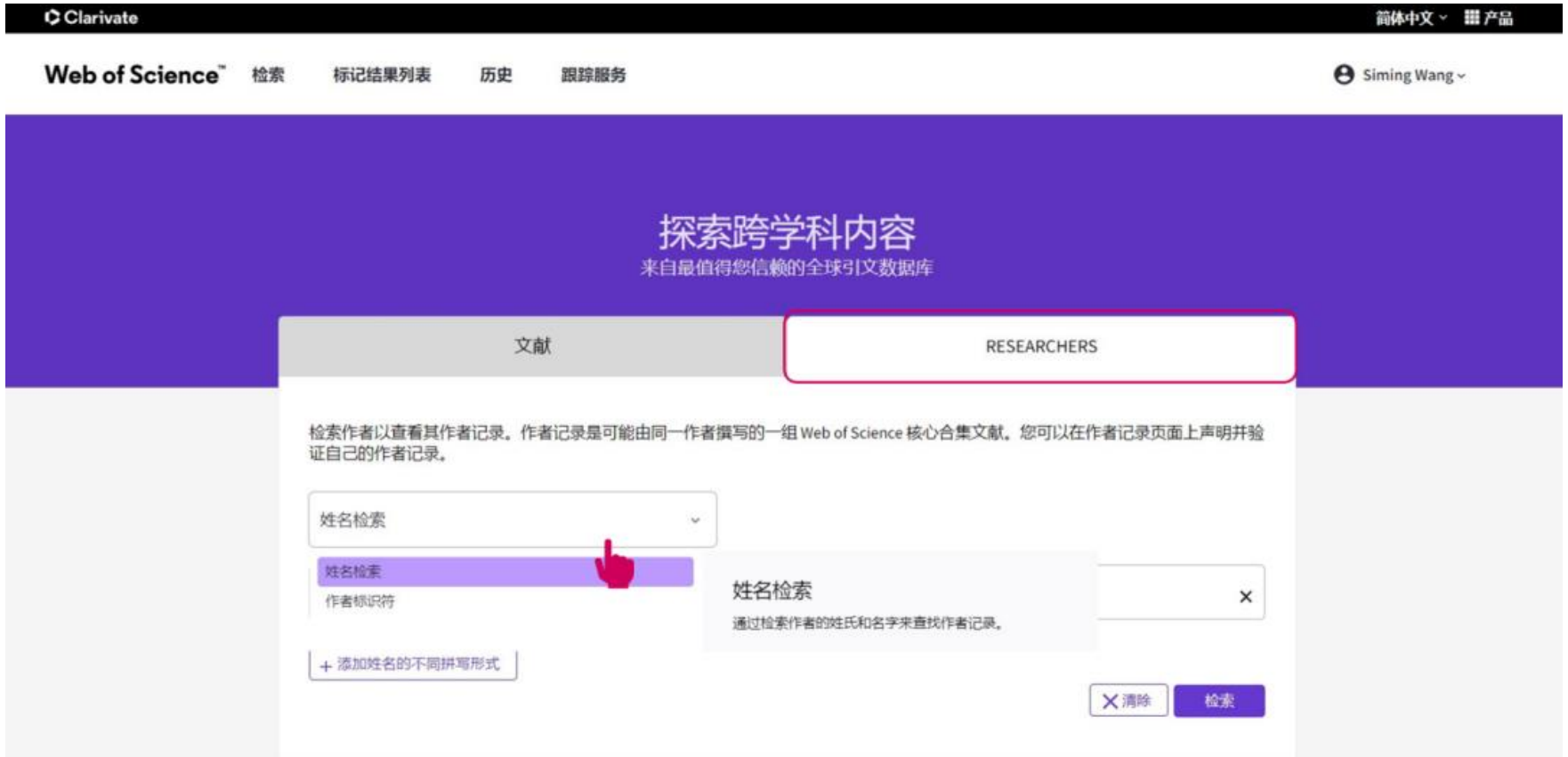
60 References

Links | Free Full Text from Publisher | View PDF with EndNote Click

Related records

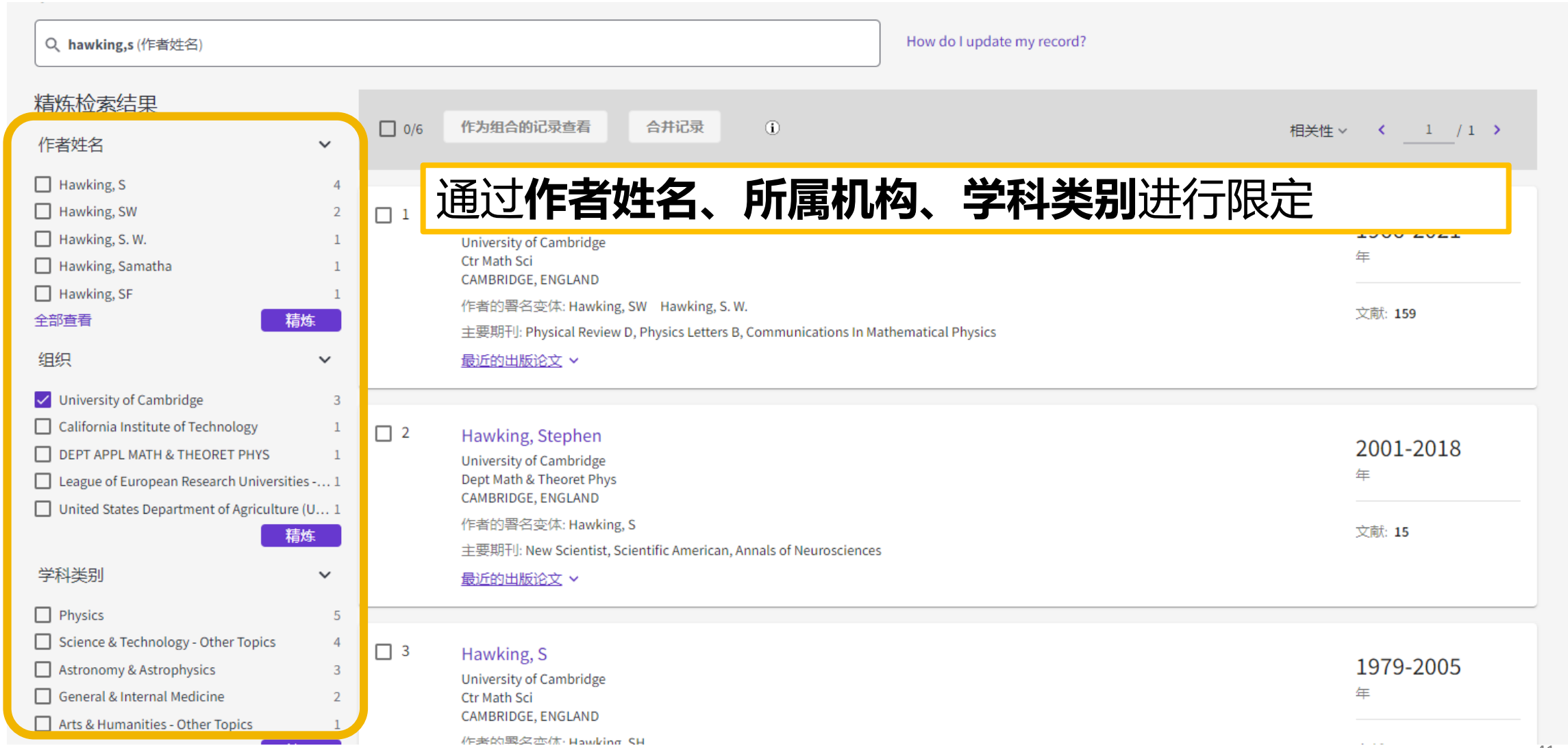
作者检索

支持作者姓名/作者标识符（例如ResearcherID 或ORCID ID）检索，查看个人学术档案，通过作者影响力射束图、出版物、引文网络、作者位置、合作网络等信息全方位了解和展示学术成果及影响力。



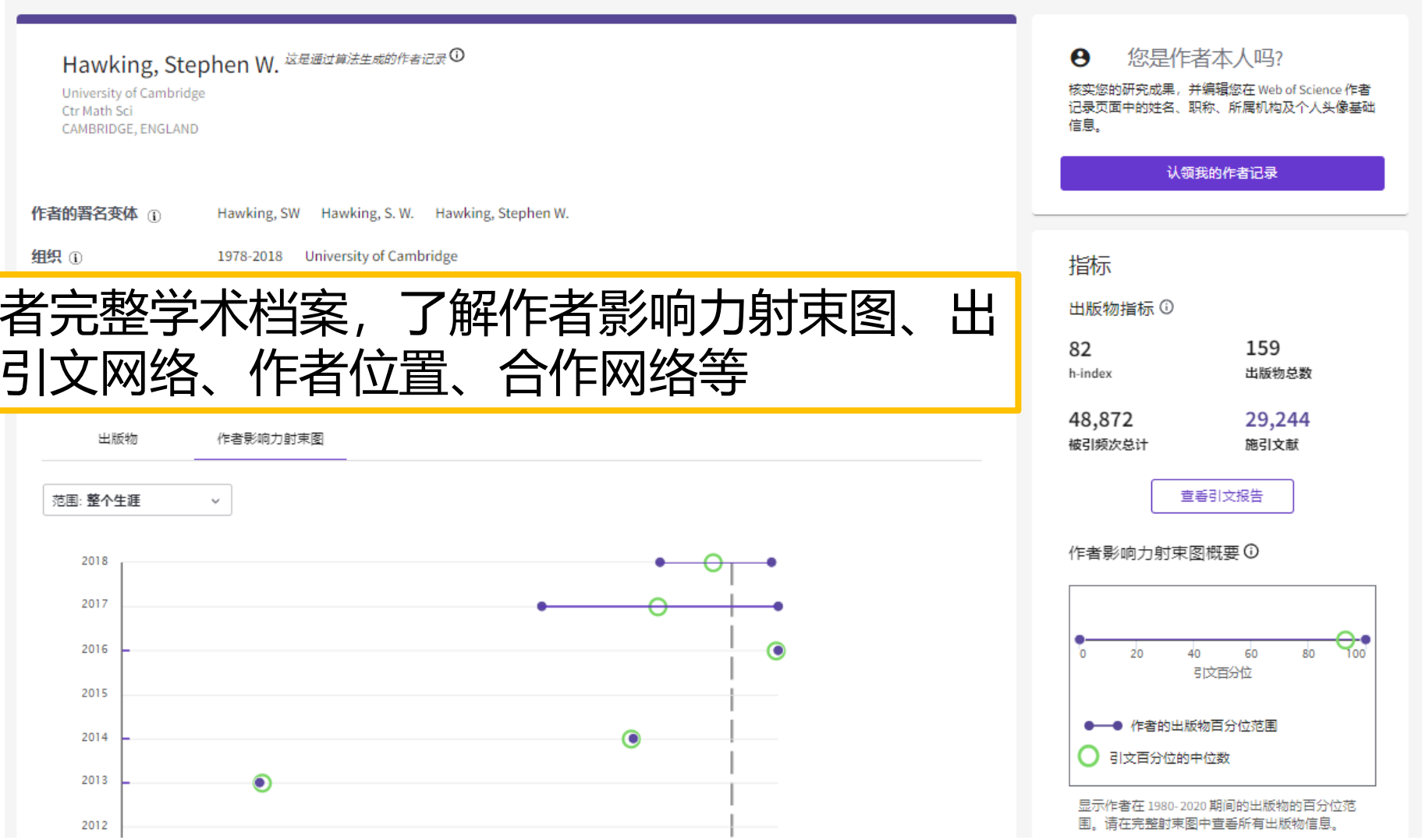
例4：查看霍金的个人学术档案

例4：查看霍金的个人学术档案



通过**作者姓名、所属机构、学科类别**进行限定

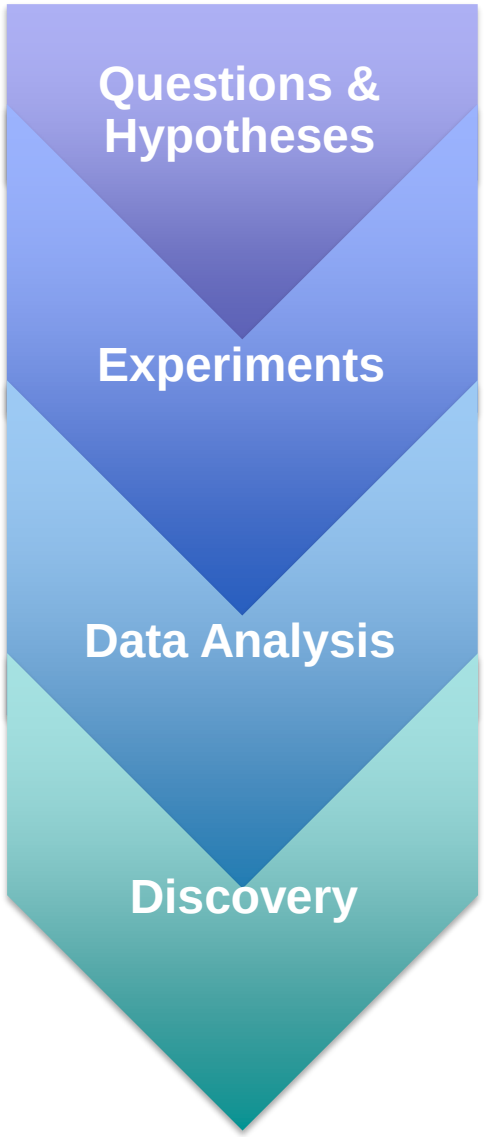
例4：查看霍金的个人学术档案



查看作者完整学术档案，了解作者影响力射束图、出版物、引文网络、作者位置、合作网络等

3. Web of Science在科研选题与投稿选刊中的应用

Web of Science在科研选题与投稿选刊中的应用



- 如何洞悉本领域的研究前沿与热点助力科研选题?
- 如何高效利用课题研究相关的文献?
- 如何高效管理文献资源，规范引用参考文献?
- 如何选择合适的期刊发表学术成果?

科研选题的方法与思路

如何洞悉本领域的研究前沿与热点助力科研选题?

1、ESI研究前沿（Research Fronts）

2、研究前沿报告

基本科学指标数据库ESI

Essential Science Indicators（ESI）：基本科学指标数据库，是衡量科学研究绩效、跟踪科学发展趋势的分析评价工具。

- 来自于 Web of Science 的10年滚动数据，基于22个学科；
- 总影响力（总引用次数）进入全球前1%的**科学家、研究机构**（或大学）排名；进入全球前50%的**国家**（或地区）及**学术期刊**排名

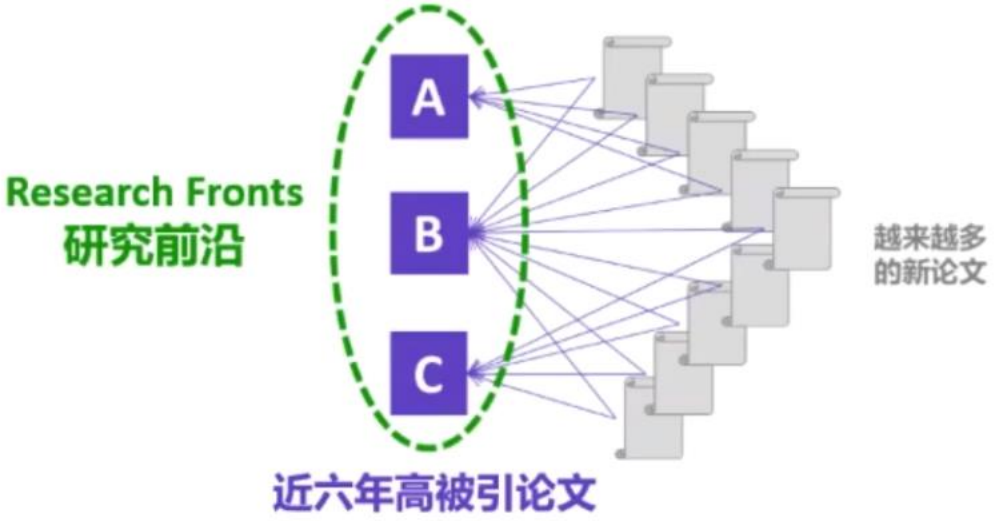
- **高被引论文Highly Cited Paper**

  过去10年中所发表的，在统计时间点，被引次数在同年同学科中达到该学科的前1%
- **热点论文HOT Paper**

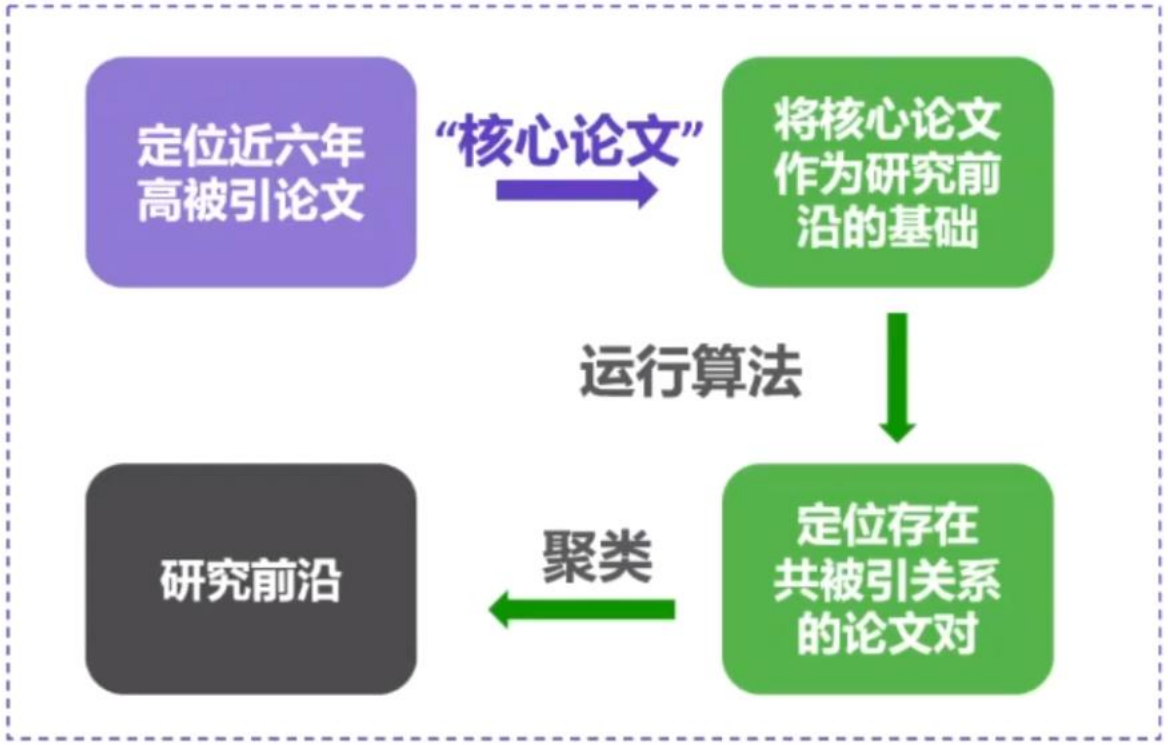
  近两年内发表，在统计时间点，近两个月的被引次数达到该学科的前0.1%
- **研究前沿Research Fronts**

  统计高被引论文之间的引证关系，采用共聚类分析得出关键词

ESI研究前沿（Research Fronts）

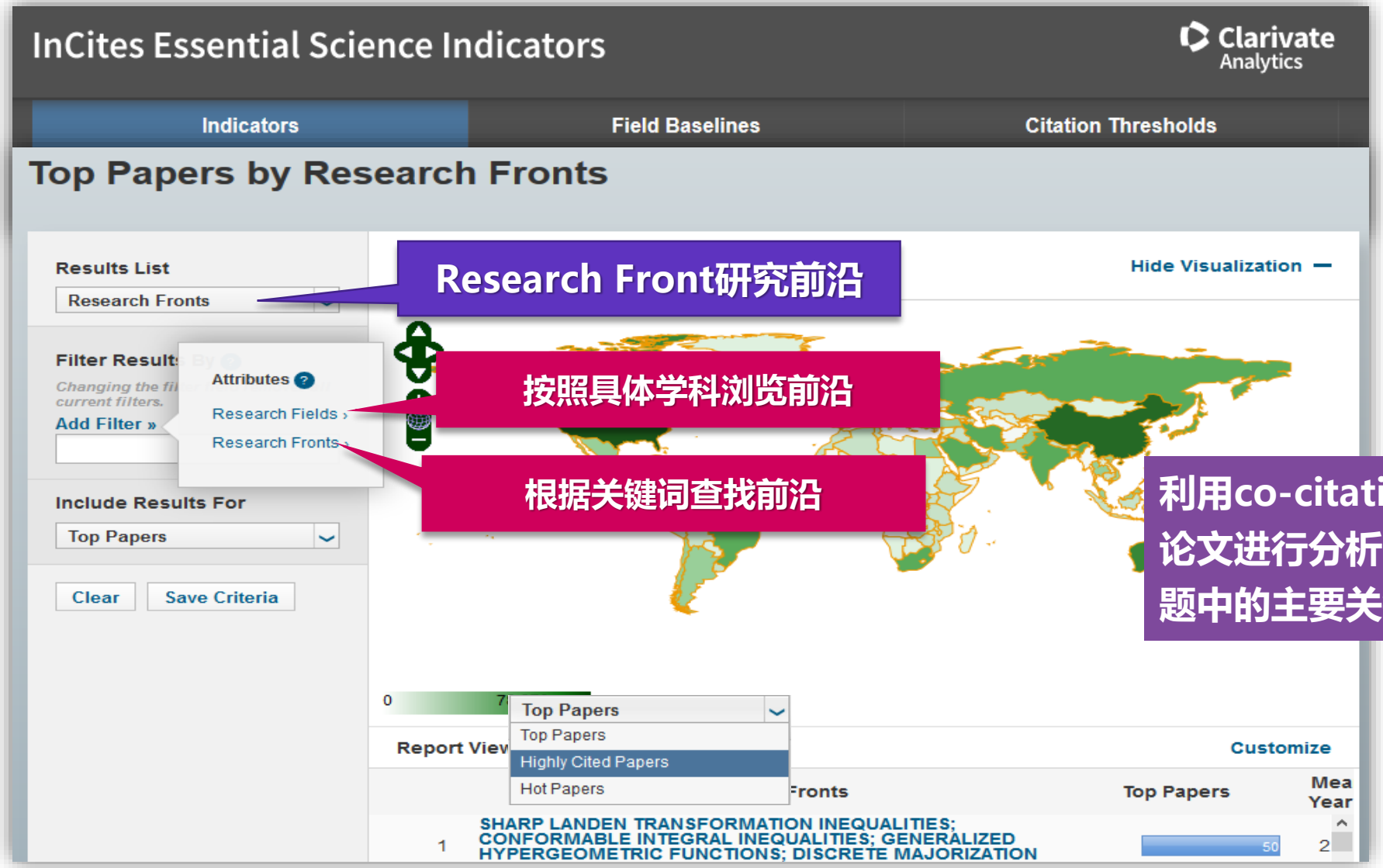


- 利用co-citation analysis对**高被引论文**进行分析，一组高被引论文的标题中的主要关键词组成研究前沿
- 研究前沿的分析揭示了不同研究者因**探究科学问题产生的关联性。**



ESI Research Fronts的生成过程

如何洞悉本领域的研究前沿?



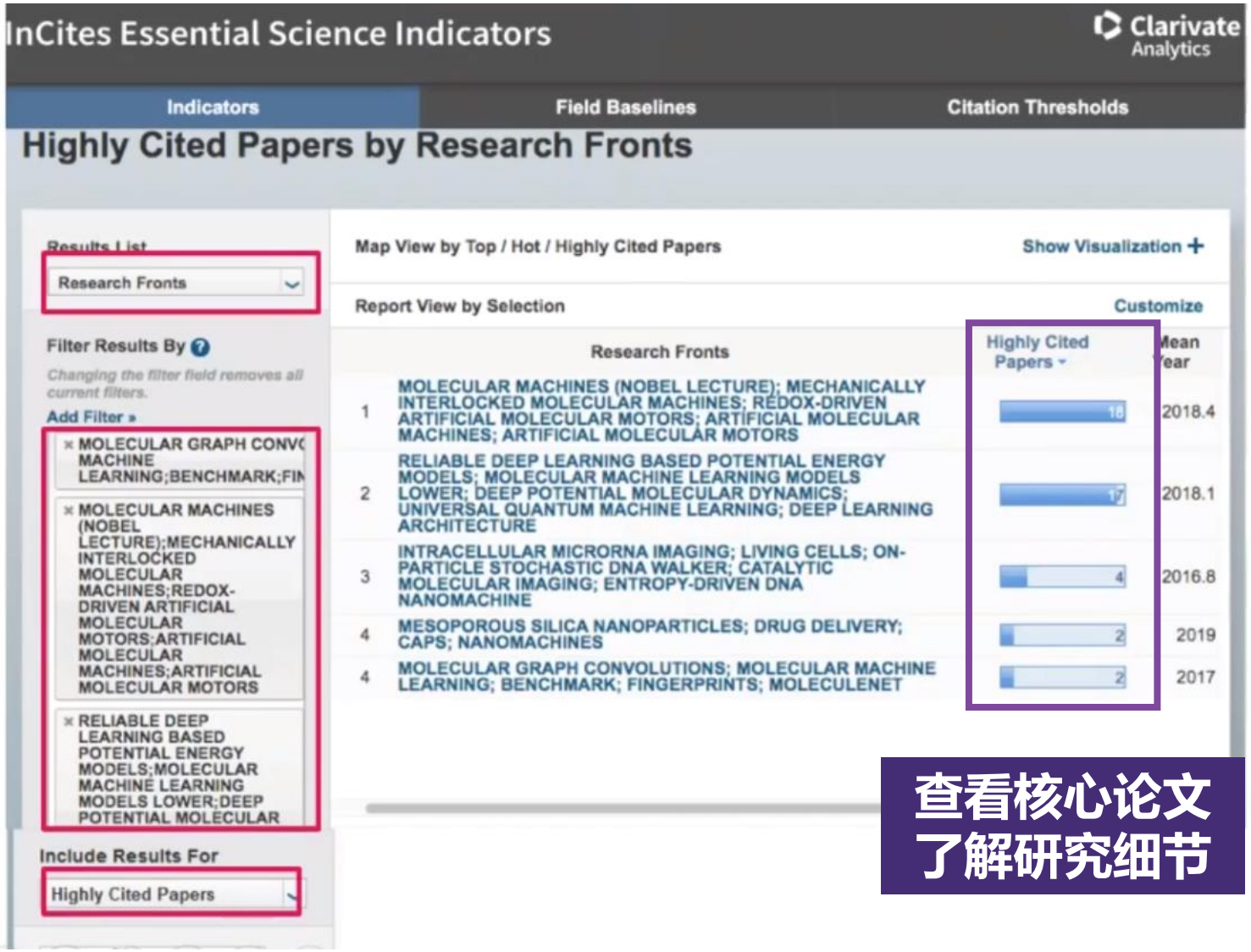
Research Front研究前沿

按照具体学科浏览前沿

根据关键词查找前沿

利用co-citation analysis对高被引论文进行分析，一组高被引论文的标题中的主要关键词组成研究前沿

借助ESI Research Fronts把握前沿热点



查看核心论文
了解研究细节

ESI Research Fronts "分子机器"
top5研究前沿

分子机器（诺贝尔讲座）；机械联锁分子机；氧化还原驱动的人造分子马达；人造分子机器；人造分子马达

可靠的基于深度学习的势能模型；下层分子机器学习模型；深层潜在分子动力学；通用量子机器学习；深度学习框架

细胞内微RNA成像；活细胞；颗粒上随机DNAWALKER；催化分子成像；熵驱动的DNA纳米机器

介孔二氧化硅纳米粒子；药物递送；大写；纳米机械

分子图卷积；分子机器学习；基准；指纹；分子网

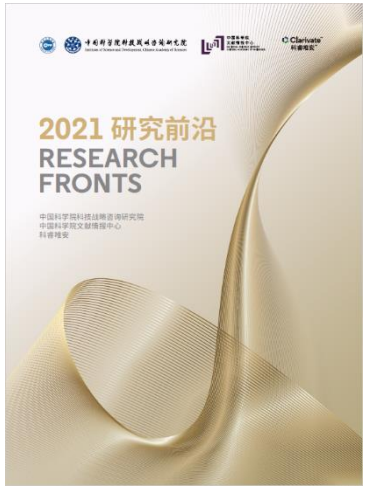
Google翻译，仅供参考

Research Fronts 研究前沿报告

中国科学院与科睿唯安合作发布2014-2022年度《研究前沿》

遴选和展示了11大学科领域中的热点前沿和新兴前沿，基于Essential Science Indicators™ (ESI) 数据库数据

Research Fronts 研究前沿报告



学科分类（11个大学科领域）

- 农业、植物学和动物学
- 地球科学
- 生物科学
- 物理学
- 数学
- 经济学、 心理学及其他社会科学
- 生态与环境科学
- 临床医学
- 化学与材料科学
- 天文学与天体物理学
- 信息科学

临床医学

1. 热点前沿及重点热点前沿解读
   - 1.1 临床医学领域 Top 10 热点前沿发展态势
   - 1.2 重点热点前沿——“新冠肺炎病例临床特征”
   - 1.3 重点热点前沿——“新冠肺炎孕妇临床表现与母婴结局”
2. 新兴前沿及重点新兴前沿解读
   - 2.1 新兴前沿概述
   - 2.2 重点新兴前沿解读——“新型冠状病毒感染致脏器损伤及并发症”前沿群
   - 2.3 重点新兴前沿解读——“新型冠状病毒疫苗研发”前沿群

生物科学

1. 热点前沿及重点热点前沿解读
   - 1.1 生物科学领域 Top 10 热点前沿发展态势
   - 1.2 重点热点前沿——“新冠肺炎病原鉴定、病毒全基因组序列分析和 ACE2 受体识别”
   - 1.3 重点热点前沿——“新型冠状病毒刺突糖蛋白的结构、功能和抗原性”
2. 新兴前沿及重点新兴前沿解读
   - 2.1 新兴前沿概述
   - 2.2 重点新兴前沿解读——“新型冠状病毒主蛋白酶的结构解析和抑制剂发现”

全球工程前沿报告

《全球工程前沿》报告围绕机械与运载工程、信息与电子工程、化工冶金与材料工程、能源与矿业工程、土木水利与建筑工程、环境与轻纺工程、农业、**医药卫生**、工程管理9个领域，遴选出年度工程研究前沿93项和工程开发前沿93项，并对其中关键的28项工程研究前沿和28项工程开发前沿从国家布局、合作态势以及发展趋势等角度进行详细剖析。

报告中工程研究前沿的遴选基于科睿唯安Web of Science核心合集的引文数据和专家提名，工程开发前沿的遴选基于科睿唯安Derwent Innovation专利数据库中的数据和专家提名及其专利分析。

医药卫生领域Top 10 工程研究前沿与工程开发前沿

表 1.1.1　医药卫生领域 Top 10 工程研究前沿

序号	工程研究前沿	核心论文数	被引次数	篇均被引频次	平均出版年
1	新型冠状病毒遗传进化与跨种感染的分子机制研究	312	82 057	263.00	2020.0
2	衰老的机制与干预	330	28 199	85.45	2016.5
3	通用型 CAR-T 细胞免疫疗法	90	1 119	12.43	2018.5
4	全脑介观神经联接图谱	629	45 172	71.82	2017.5
5	肠道微生态与代谢性疾病的研究	3 645	100 991	27.71	2018.4
6	人类表型组学研究	165	14 241	86.31	2017.5
7	基于 mRNA 的治疗应用研究				
8	单细胞多组学整合分析研究				
9	中药药效物质基础及机制研究				
10	精神疾病功能基因组学研究				

表 2.1.1　医药卫生领域 Top 10 工程开发前沿

序号	工程开发前沿	公开量	引用量	平均被引数	平均公开年
1	脑机接口技术的临床转化应用	1 546	6 898	4.46	2017.2
2	基因工程化异种器官移植技术	314	9 079	28.91	2014.3
3	肿瘤新抗原疫苗	2 311	28 490	12.33	2016.3
4	多重免疫检查点抑制剂联合用药	4 597	51 193	11.14	2017.4
5	工程化类器官	2 518	33 692	13.38	2015.9
6	基于 5G 的远程医疗机器人手术	103	329	3.19	2018.8
7	基于人体微生物组技术的临床应用转化	2 978	34 239	11.50	2015.8
8	健康医疗大数据与人工智能应用	987	3 815	3.87	2018.9
9	纳米药物递送系统	2 285	15 689	6.87	2018.4
10	RNA 干扰药物	1 132	17 177	15.17	2015.7

如何高效利用课题研究相关的文献?

❖ 查找本课题相关的论文

- 如何快速获取该领域的高影响力的论文?

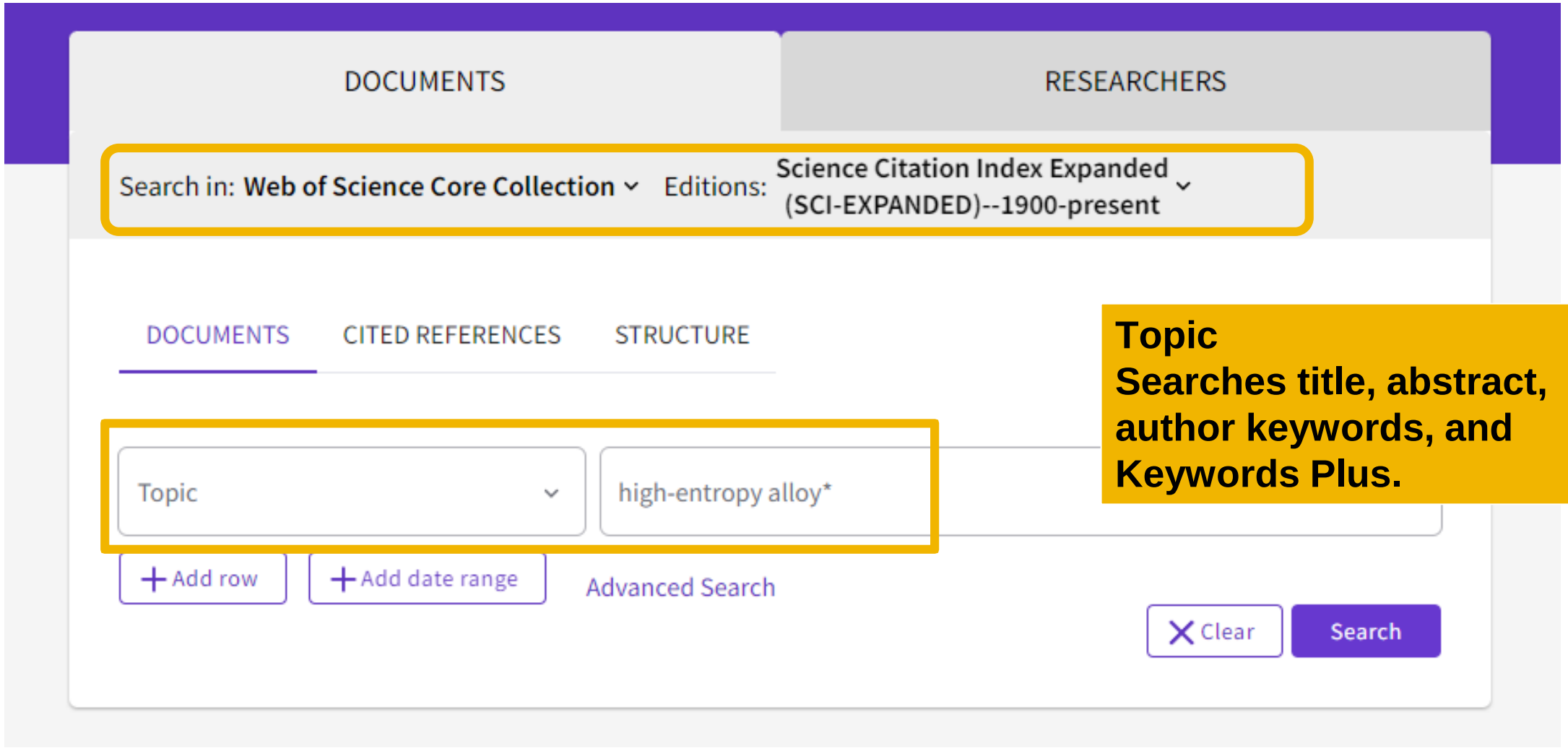
❖ 分析研究进展与发展趋势

- 了解某特定课题在不同学科的分布情况
- 分析某研究课题的总体发展趋势
- 了解与自己研究方向有关的科研机构
- 找到该研究课题中潜在的合作伙伴
- 密切关注该研究领域的顶尖研究小组的发表成果

研究课题：高熵合金

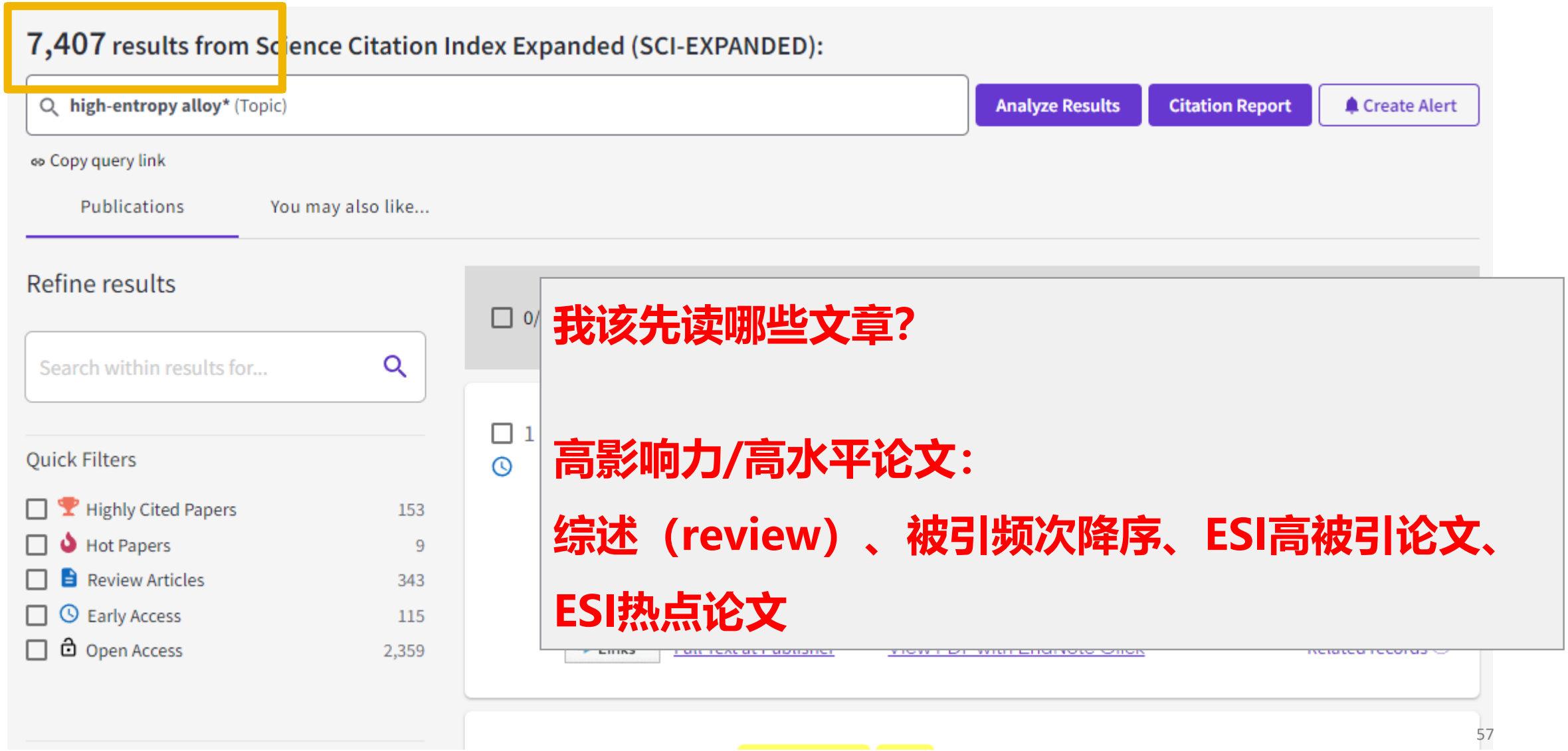
- 高熵合金是一种合金，一般可以被定义为由五个以上的元素组元按照等原子比或接近于等原子比合金化。它是基于20世纪90年代大块非晶合金的开发的情况下提出的。
- 已有的研究报道发现，高熵合金具有一些传统合金所无法比拟的优异性能，如高强度、高硬度、高耐磨耐腐蚀性、高热阻、高电阻等，从而成为在材料科学和凝聚态物理领域中继大块非晶之后一个新的研究热点。

研究课题：高熵合金

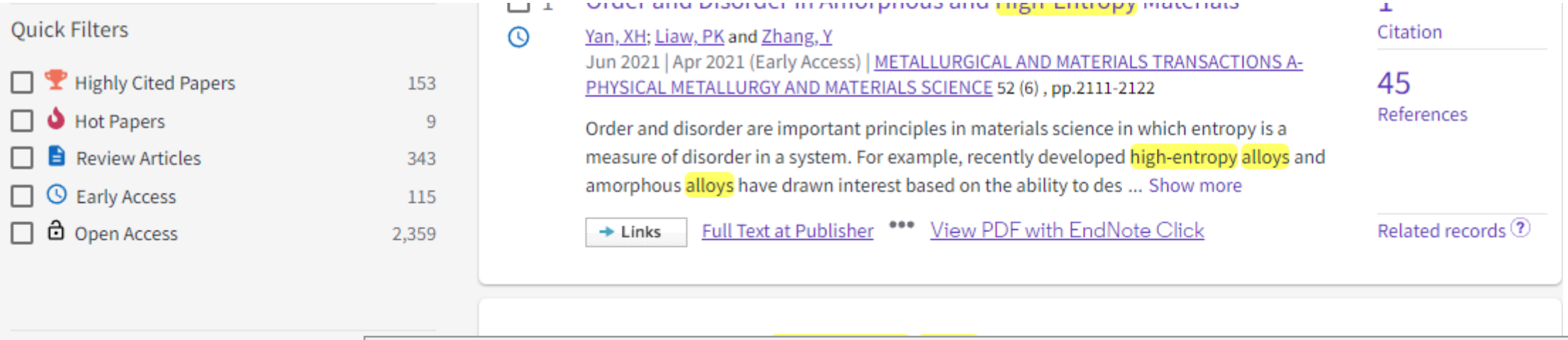


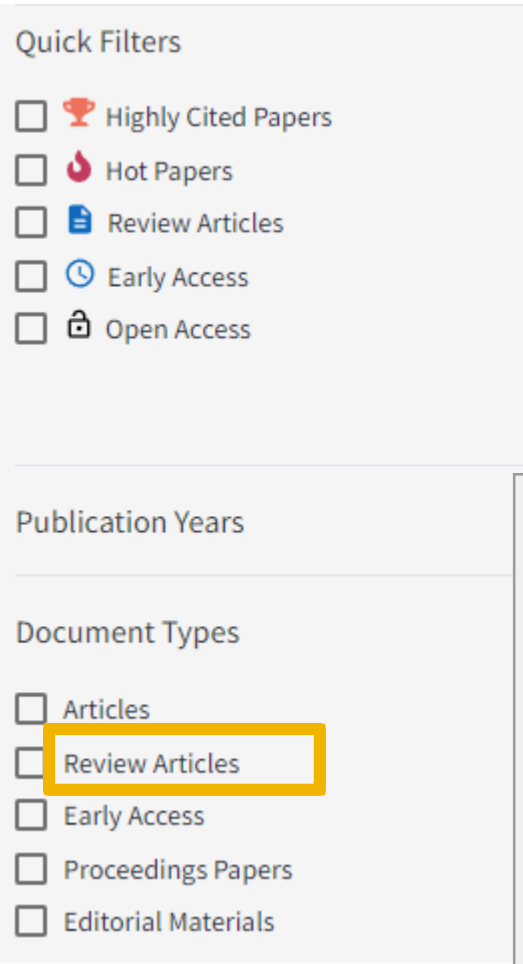
Topic
Searches title, abstract, author keywords, and Keywords Plus.

研究课题：高熵合金


7,407 results from Science Citation Index Expanded (SCI-EXPANDED):
high-entropy alloy* (Topic)
Analyze Results
Citation Report
Create Alert
Copy query link
Publications
You may also like...
Refine results
Search within results for...
Quick Filters
Highly Cited Papers 153
Hot Papers 9
Review Articles 343
Early Access 115
Open Access 2,359
我该先读哪些文章?
高影响力/高水平论文：
综述（review）、被引频次降序、ESI高被引论文、ESI热点论文

快速锁定综述概览课题全局

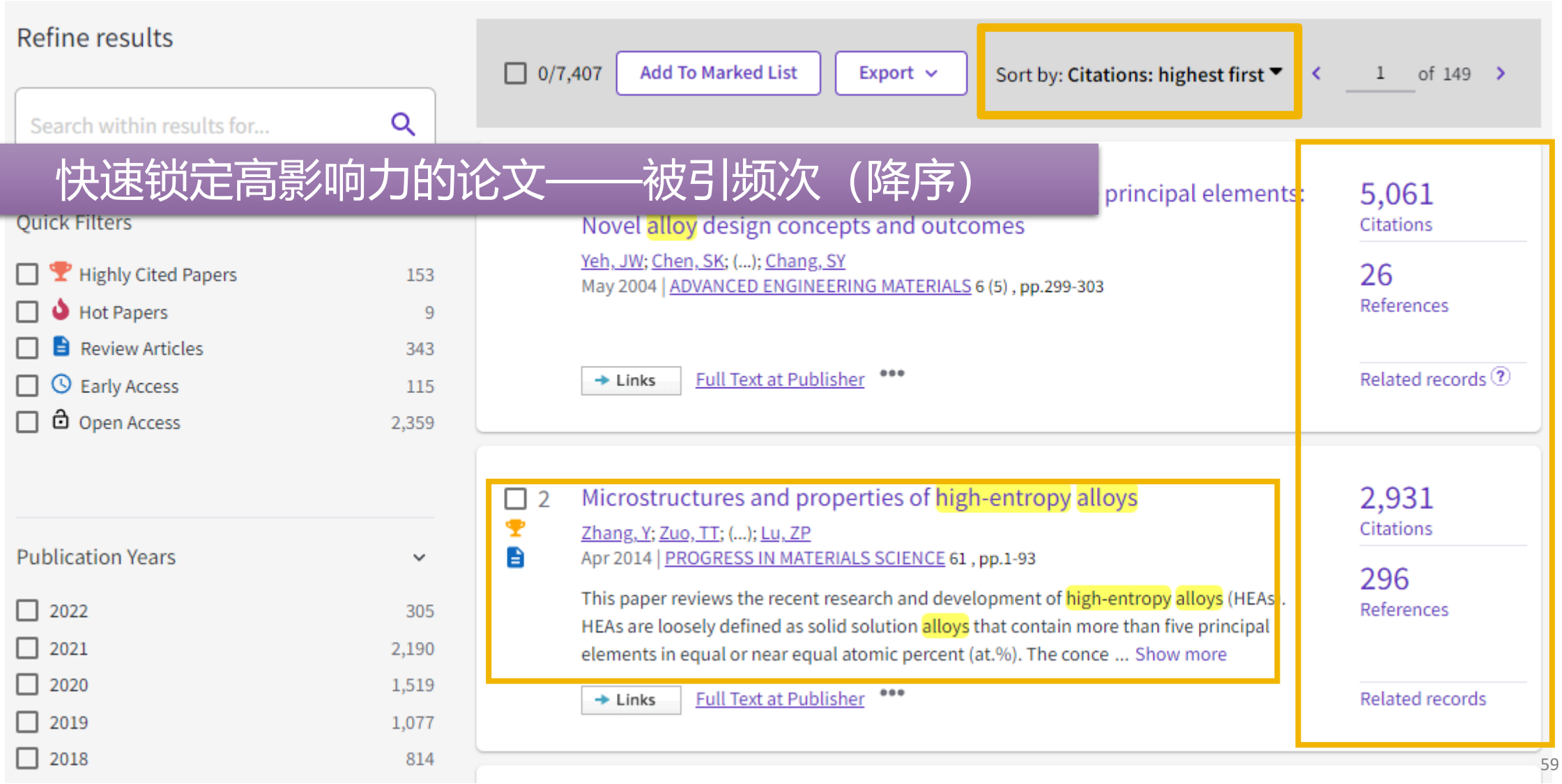




综述性文献：

- 是针对某一专题，对大量原始研究论文中的数据、资料和主要观点进行归纳整理、分析提炼而写成的论文。
- 阅读综述，可在较短时间内了解该领域的最新研究动态，可以了解若干篇有关该领域的原始研究论文。

快速定位重要文献进行阅读



快速锁定高影响力的论文——被引频次（降序）

利用引文网络梳理课题发展：借助引文分类了解被引用的目的

Microstructures and properties of high-entropy alloys

作者: Zhang, Y (Zhang, Yong) [1] ; Zuo, TT (Zuo, Ting Ting) [1] ; Tang, Z (Tang, Zhi) [2] ; Gao, MC (Gao, Michael C.) [3] , [4] ; Dahmen, KA (Dahmen, Karin A.) [5] ; Liaw, PK (Liaw, Peter K.) [2] ; Lu, ZP (Lu, Zhao Ping) [1]

查看 Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)

PROGRESS IN MATERIALS SCIENCE

卷: 61 **页:** 1-93

DOI: 10.1016/j.pmatsci.2013.10.001

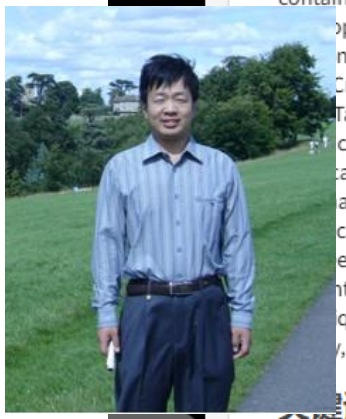
出版时间: APR 2014

已索引: 2014-04-01

文献类型: Review

摘要

This paper reviews the recent research and development of high-entropy alloys (HEAs). HEAs are loosely defined as solid solution alloys that contain more than five principal elements in equal or near equal atomic percent (at.%). The concept of high entropy introduces a new path of



来自北京科技大学&新金属材料国家重点实验室的**张勇教授**及其团队发表《**高熵合金的微结构和性能**》总结了该领域的系列进展，包括张勇课题组2007年在国际上**率先制备出了性能和块体非晶合金相当、但具有室温塑形的体心立方高熵固溶体合金。**

Keywords Plus: GLASS-FORMING ABILITY; BULK METALLIC GLASSES; COHERENT-POTENTIAL-APPROXIMATION; SCALE ICOSAHEDRAL PHASE; EUTECTIC COUPLED ZONE; MECHANICAL-PROPERTIES; DISLOCATION DYNAMICS; VIBRATIONAL ENTROPY; THERMAL-STABILITY; SOLID-SOLUTION

引文网络

来自 Web of Science 核心合集

3,399
被引频次

高被引论文

创建引文跟踪

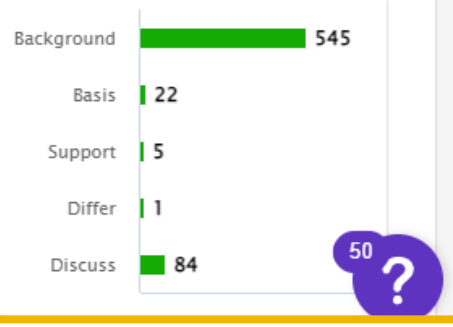
3,574
被引频次 所有数据库

296
篇引用的参考文献
查看相关记录

引文分类

按分类引用项目 New

根据可用的引文上下文数据和 597 条引用项目中的摘录，对此文献的提及方式进行细分。



根据引文分类锁定所需文献

复制检索式链接

菜单

精炼检索结果

在结果中检索...

按标记结果列表过滤

快速过滤

- 在线发表 19
- 开放获取 188
- 被引参考文献深度分析 545

引文主题中观

- 7.12 Metallurgical Engineering 515
- 7.109 Ceramics 6
- 5.88 Electromagnetism 3
- 2.15 Physical Chemistry 2
- 2.282 Hydrogen Chemistry & Storage 2

全部查看 >

作者

显示研究人员个人信息

0/545 添加到标记结果列表 导出

排序方式: 日期: 降序 1 / 11

- 相关性
- 最近添加
- New 引文类别
- 日期: 降序
- 日期: 升序
- 被引频次: 最高优先
- 被引频次: 最低优先
- 使用次数 (所有时间): 最多优先
- 使用次数 (最近 180 天): 最多优先
- 会议标题: 升序
- 会议标题: 降序
- 第一作者姓名: 升序
- 第一作者姓名: 降序
- 出版物标题: 升序
- 出版物标题: 降序

- 背景: 最高优先
- 基础: 最高优先
- 支持: 最高优先
- 差异: 最高优先
- 讨论: 最高优先

1 Improved Wear Resistance of a Heterogeneous CoCrNi Medium-Entropy Alloy at Cryogenic

Huang, ZB; Ren, Y; (...); Wang, HF

Dec 2022 | TRIBOLOGY LETTERS 70 (4)

被引参考文献深度分析

Medium-entropy alloys (MEAs) exhibit excellent mechanical prope
limited studies have been conducted to explore their cryogenic temperature wear behaviors and thus hinder their
Here, we report a mono-phased heterogeneous CoCrNi MEA composed of fully recrystallized grains and non-recry

出版商处的全文 •••

文内提及 (1)

"High-entropy alloys (HEAs) and medium-entropy alloys (MEAs), as a sort of emerging materials in recent years, are expected cryogenic, strong radiation conditions, for their superb thermal stability and mechanical behaviors [1-7]."

查找范围: "Introduction"

部分: Introduction 分类: Background

2 Effects of Cu-content and passivation treatment on the corrosion resistance of Al0.3CuxCoCrFeNi high-entropy alloys

Chen, XD; Qian, HC; (...); Zhang, DW

44

50

利用引文网络梳理课题发展

Microstructures and properties of high-entropy alloys

作者: Zhang, Y (Zhang, Yong) [1] ; Zuo, TT (Zuo, Ting Ting) [1] ; Tang, Z (Tang, Zhi) [2] ; Gao, MC (Gao, Michael C.) [3] , [4] ; Dahmen, KA (Dahmen, Karin A.) [5] ; Liaw, PK (Liaw, Peter K.) [2] ; Lu, ZP (Lu, Zhao Ping) [1]

查看 Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)

PROGRESS IN MATERIALS SCIENCE

卷: 61 **页:** 1-93

DOI: 10.1016/j.pmatsci.2013.10.001

出版时间: APR 2014

已索引: 2014-04-01

文献类型: Review

摘要

This paper reviews the recent research and development of high-entropy alloys (HEAs). HEAs are loosely defined as solid solution alloys that contain more than five principal elements in equal or near equal atomic percent (at.%). The concept of high entropy introduces a new path of developing advanced materials with unique properties, which cannot be achieved by the conventional micro-alloying approach based on only one dominant element. Up to date, many HEAs with promising properties have been reported, e.g., high wear-resistant HEAs, Co1.5CrFeNi1.5Ti and Al0.2Co1.5CrFeNi1.5Ti alloys; high-strength body-centered-cubic (BCC) AlCoCrFeNi HEAs at room temperature, and NbMoTaV HEA at elevated temperatures. Furthermore, the general corrosion resistance of the Cu0.5NiAlCoCrFeSi HEA is much better than of the conventional 304-stainless steel. This paper first reviews HEA formation in relation to thermodynamics, kinetics, and processing. Physical, magnetic, chemical, and mechanical properties are then discussed. Great details are provided on the plastic deformation, fracture and magnetization from the perspectives of crackling noise and Barkhausen noise measurements, and the analysis of serrations on stress-strain curves at specific strain rates or testing temperatures, as well as the serrations of the magnetization hysteresis loops. The comparison between conventional and high-entropy bulk metallic glasses is analyzed from the viewpoints of eutectic composition, dense atomic packing, and entropy of mixing. Glass forming ability and plastic properties of high-entropy hulk metallic glasses are also discussed. Modeling techniques applicable to HEAs are introduced and discussed, such as ab initio molecular dynamics simulations and CALPHAD modeling. Finally, future developments and potential new research directions for HEAs are proposed. (C) 2013 Elsevier Ltd. All rights reserved.

引文网络

来自 Web of Science 核心合集

3,399
被引频次

高被引论文

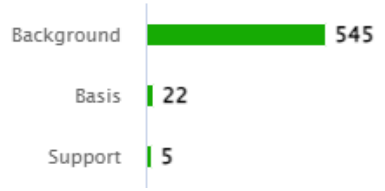
创建引文跟踪

3,574
被引频次 所有数据库

296
篇引用的参考文献
查看相关记录

+ 查看更多的被引频次

浏览该文章的施引文献，参考文献，相关记录



利用引文网络梳理课题发展：利用参考文献越查越深

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 15
- Review Articles 22
- Open Access 63

Publication Years

0/296 Add To Marked List Export Sort by: First author name: A to Z 6 of 6

追溯前序基础研究.....

251 Nanostructured high-entropy alloys with multiple principal elements: Novel alloy design concepts and outcomes

Yeh, JW; Chen, SK; (...); Chang, SY

May 2004 | ADVANCED ENGINEERING MATERIALS 6 (5) , pp.299-303

5,061 Citations

26 References

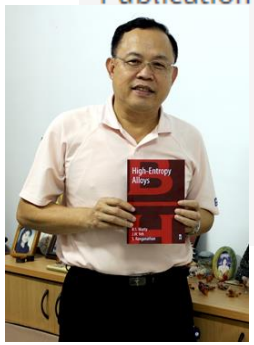
Links Full Text at Publisher ••• Related records

Co-Ni-Cr-Al-Fe-Ti-V alloys

NS A-PHYSICAL METALLURGY

581 Citations

21 References



葉均蔚，国立清华大学材料工程学系，被誉为**高熵合金之父**，2004年5月发表的关于多成分的纳米结构高熵合金的文章， 提出高熵合金的研究成果，突破材料學有史以來的最大迷思，轰动材料學界至今被引用869次。

通过引用经典文献提高揭示度

引经据典：通过引用经典文献提高揭示度

- 据Web of Science收录数据显示：目前被引用次数最高的前50篇文献，其中84%发表于20年前, 36%发表于40年前。
- 编辑与审稿专家会关注论文的参考文献，是否包含一些该领域的“奠基石”性论文，如果参考文献缺失经典论文可能被认为研究基石不稳。
- 从对参考文献的统计分析数据来看，高被引论文具有一些显著的共性：**即参考文献数量较多，且参考的论文年代都比较久远。**

被引参考文献深度分析：更深入的引文内容定位

1 Improved Wear Resistance of a Heterogeneous CoCrNi Medium-Entropy Alloy at Cryogenic Temperature

Huang, ZB; Ren, Y; (...); Wang, HF

Dec 2022 | TRIBOLOGY LETTERS 70 (4)

被引参考文献深度分析

Medium-entropy alloys (MEAs) exhibit excellent mechanical properties and unique deformation mechanism at cryogenic temperatures. However, limited studies have been conducted to expl
Here, we report a mono-phased heterogene

出版商处的全文 •••

Improved Wear Resistance of a Heterogeneous CoCrNi Medium-Entropy Alloy at Cryogenic Temperature

作者: Huang, ZB (Huang, Zhuobin) [1] ; Ren, Y (Ren, Yue) [1] ; Luo, DW (Luo, Dawei) [1] ; Zhou, Q (Zhou, Qing) [1] ; He, YX (He, Yixuan) [1] , [2] ; Wang, HF (Wang, Haifeng) [1]

查看 Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)

TRIBOLOGY LETTERS

卷: 70 **期:** 4
文献号: 96
DOI: 10.1007/s11249-022-01643-x
出版时间: DEC 2022
已索引: 2022-08-25
文献类型: Article

跳转至

被引参考文献深度分析

摘要

Medium-entropy alloys (MEAs) exhibit excellent mechanical properties and unique deformation mechanism at cryogenic temperatures. However, limited studies have been conducted to explore their cryogenic temperature wear behaviors and thus hinder their further cryogenic applications. Here, we report a mono-phased heterogeneous CoCrNi MEA composed of fully recrystallized grains and non-recrystallized grains that shows a favorable combination of strength and ductility. Meanwhile, a decreased coefficient of friction and improved wear resistance are revealed with the decreasing temperatures (0 degrees C -> -120 degrees C). The wear mechanism shows an apparent transition from brittle fracture to mild plastic deformation when temperature decreases. The enhancement of strength-ductility for heterogeneous CoCrNi MEA at lower temperature leads to a reduction of ploughing coefficient and superior plastic response, thus resulting in excellent wear resistance. The present work provides a convenient route for preparing strength-ductility balanced and wear-resistant alloys for cryogenic applications.

看PDF EN

引文网络

来自 Web of Science 核心合集

0
被引频次

创建引文跟踪

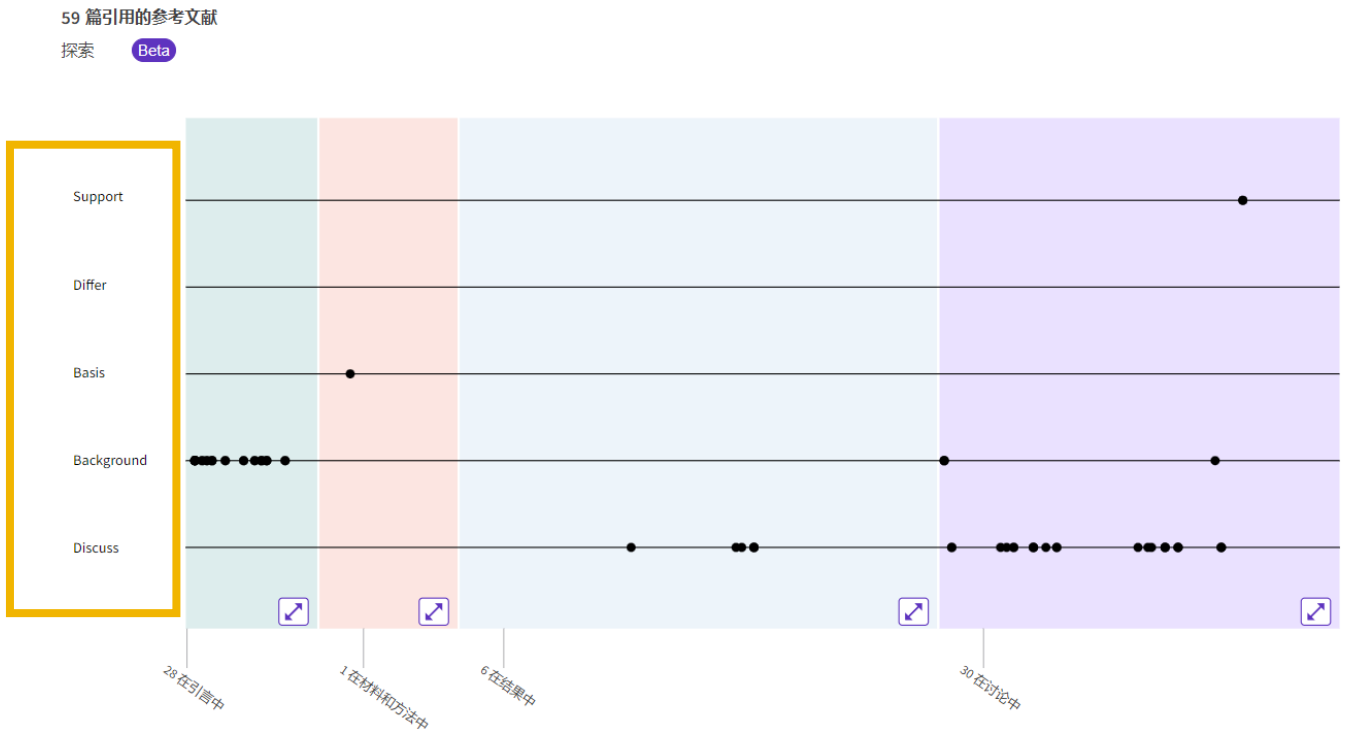
59
篇引用的参考文献
查看相关记录

您可能也想要...

Zhang, ZJ; Zhang, BS; Wang, ZZ; et al.
Achieving enhanced wear resistance in CoCrNi medium-entropy alloy co-alloyed with multi-elements
MATERIALS LETTERS

Pan, S; Zhao, CC; Ren, FZ; et al.
Sliding wear of CoCrNi medium-entropy alloy elevated temperatures: Wear mechanism transition and subsurface microstructure evol
WEAR

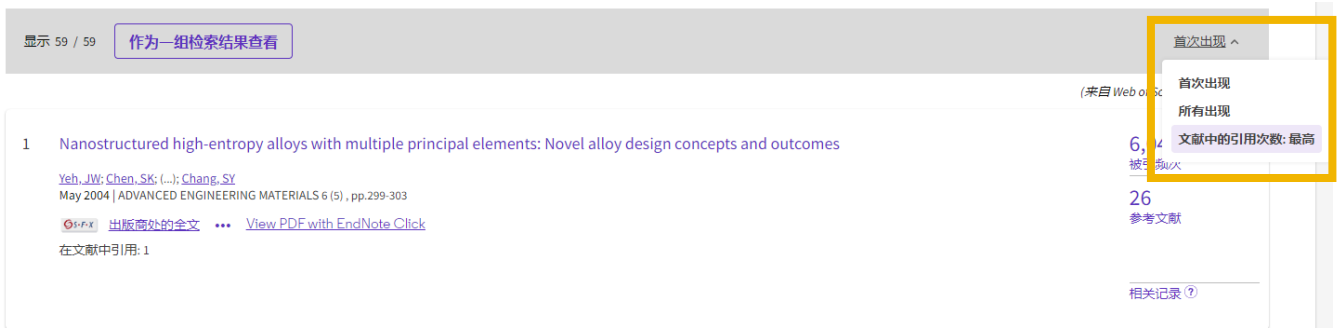
被引参考文献深度分析：更深入的引文内容定位



根据文中引文位置以及引用频率进行可视化展示

适用范围：

- 符合IMRAD结构的article
- 创作共用许可协议CC BY license的OA期刊提交符合质量标准的XML data



根据参考文献出现的位置、引用等对参考文献排序

锁定高被引论文和热点论文

7,407 results from Science Citation Index Expanded (SCI-EXPANDED):

high-entropy alloy* (Topic) | Analyze Results | Citation Report | Create Alert

Copy query link

Publications | You may also like...

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 153
- Hot Papers 9
- Review Articles 343
- Early Access 115
- Open Access 2,359

0/7,407 | Add To Marked List | Export | Sort by: Relevance | 1 of 149

1 Order and Disorder in Amorphous and High-Entropy Materials

Yan, XH; Liaw, PK and Zhang, Y

Jun 2021 | Apr 2021 (Early Access) | METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE 52 (6) , pp.2111-2122

Order and disorder are important principles in materials science in which entropy is a measure of disorder in a system. For example, recently developed high-entropy alloys and amorphous alloys have drawn interest based on the ability to des ... Show more

Links | Full Text at Publisher | View PDF with EndNote Click

1 Citation

45 References

Related records

ESI高水平论文和热点论文

高被引论文

(Highly Cited Paper)

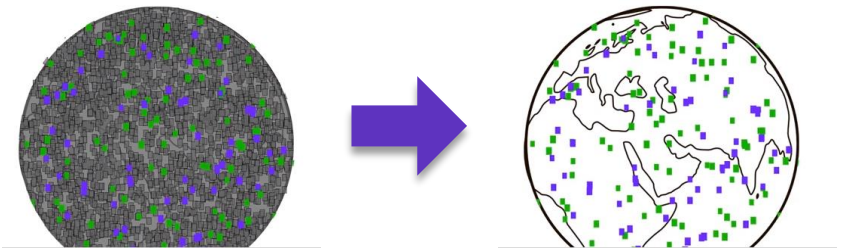
- 过去10年中发表的论文,被引频次在同年同学科发表的论文中进入全球前1%

热点论文

(Hot Paper)

- 过去 2 年中所发表的论文,在最近两个月中其被引频次排在某学科前0.1%的论文

高被引论文&热点论文
快速定位高影响力成果



文献级别用量指标

对某条记录的**全文链接得到访问**或是对记录进行**保存**的次数

“使用次数-最近180天” —— 最近 180 天内

“使用次数-2013年至今” —— 从2013年2月1日开始

用户行为 → **最受关注的文献**

访问量

保存次数

- 使用次数记录的是全体 Web of Science 用户进行的所有操作，而不仅仅限于您所属机构中的用户。
- 使用次数每天更新一次。

文献级别用量指标

精炼检索结果

在结果中检索...

快速过滤

- 高被引论文 85
- 热点论文 1
- 综述论文 2,115
- 在线发表 10
- 开放获取 1,020

出版年

- 2021 94
- 2020 210
- 2019 176
- 2018 172
- 2017 135

全部查看

文献类型

- 综述论文 2,115
- 书籍章节 161
- 在线发表 10

0/2,115 添加到标记结果列表 导出 使用次数 (最近 180 天): 最多优先 1 / 43

1 Principles and Applications of Nucleic Acid Strand Displacement Reactions

Simmel, FC; Yurke, B and Singh, HR

May 22 2019 | CHEMICAL REVIEWS 119 (10) , pp.6326-6369

Dynamic DNA nanotechnology, a subfield of DNA nanotechnology, is concerned with the study and application of nucleic acid strand-displacement reactions. Strand-displacement reactions generally proceed by three-way or four-way branch migration and initially were investigated for their relevance to genetic recombination. Through the use of toehold ... 显示更多

出版商处的全文 ***

135 被引频次

424 参考文献

相关记录

2 Recent Advances in Host-Guest Self-Assembled Cyclodextrin Carriers: Implications for Responsive Drug Delivery and Biomedical Engineering

Wankar, J; Kotla, NG; (...); Rochev, YA

Oct 28 2020 | Feb 2020 (在线发表) | ADVANCED FUNCTIONAL MATERIALS 30 (44)

This Review is an overview of the unique characteristics of cyclodextrin in forming an inclusion complex via host-guest noncovalent interactions. The modification of cyclodextrin advances its application as a pharmaceutical solubilizer, fabrication of functional molecular machines such as polyrotaxane, polypseudorotaxane, and polycatenanes and ... 显示更多

出版商处的免费全文 ***

40 被引频次

149 参考文献

相关记录

3 Photochromism into nanosystems: towards lighting up the future nanoworld

Wang, L and Li, Q

Feb 7 2018 | CHEMICAL SOCIETY REVIEWS 47 (3) , pp.1044-1097

The ability to manipulate the structure and function of promising nanosystems via energy input and external stimuli is emerging as an attractive paradigm for developing reconfigurable and programmable nanomaterials and multifunctional devices. Light stimulus manifestly represents a preferred external physical and chemical tool for in situ ... 显示更多

出版商处的全文 ***

267 被引频次

589 参考文献

相关记录

关注最近半年被频繁浏览和保存的文献

“您可能也想要…” 文献推荐

Clarivate　简体中文　产品

Web of Science™　检索　chen li

菜单

检索 > high-entropy alloy* (主题) 的结果

8,999 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

high-entropy alloy* (主题)　分析检索结果　引文报告　创建跟踪服务

复制检索式链接

出版物　您可能也想要...

帮助发现更多的文献

精炼检索结果

在结果中检索...

按标记结果列表过滤

快速过滤

- 高被引论文 187
- 热点论文 12
- 综述论文 420
- 在线发表 153
- 开放获取 2,946
- 被引参考文献深度分析 1,910

引文主题中观

- 7.12 Metallurgical Engineering 7,832

0/8,999　添加到标记结果列表　导出　排序方式: 使用次数 (所有时

1 A critical review of high entropy alloys and related concepts

Miracle, DB and Senkov, ON

Jan 1 2017 | ACTA MATERIALIA　122 , pp.448-511

High entropy alloys (HEAs) are barely 12 years old. The field has stimulated new ideas and has inspired the exploration of the vast c
offered by multi-principal element alloys (MPEAs). Here we present a critical review of this field, with the intent of summarizing key
major trends and providing guidance for future efforts. Major themes in this assessment inc

出版商处的免费全文　Search Institution Library

2 A fracture-resistant high-entropy alloy for cryogenic applications

Gludovatz, B; Hohenwarter, A; (...); Ritchie, RO

Sep 5 2014 | SCIENCE　345 (6201) , pp.1153-1158

High-entropy alloys are equiatomic, multi-element systems that can crystallize as a single phase, despite containing multiple elements with different crystal structures. A rationale for this is that the configurational entropy contribution to the total free energy in alloys with five or more major elements may stabilize the solid-solution state relative to multiphase microstructures. We examine ... 显示更多

2,825 被引频次

50 参考文献

50

频率：每天更新

推荐：5个（预览页面）至50个最被推荐

根据“引文主题（中观）”精炼文献

精炼检索结果

在结果中检索...

按标记结果列表过滤

快速过滤

- 高被引论文 187
- 热点论文 12
- 综述论文 420
- 在线发表 153
- 开放获取 2,946
- 被引参考文献深度分析 1,910

引文主题中观

- 7.12 Metallurgical Engineering 7,832
- 5.88 Electromagnetism 191
- 7.109 Ceramics 151
- 5.188 Deposition, Hardening & Coating 111
- 2.62 Electrochemistry 84

全部查看 >

作者

0/8,999 添加到标记结果列表 导出

排序方式: 使用次数 (所有时间): 最多优先 1 / 180

1 A critical review of high entropy alloys and related concepts

Miracle, DB and Senkov, ON

Jan 1 2017 | ACTA MATERIALIA 122 , pp.448-511

High entropy alloys (HEAs) are barely 12 years old. The field has stimulated new ideas and has inspired the exploration of the vast composition space offered by multi-principal element alloys (MPEAs). Here we present a critical review of this field, with the intent of summarizing key findings, uncovering major trends and providing guidance for future efforts. Major themes in this assessment inc ... 显示更多

出版商处的免费全文 •••

3,279 被引频次

347 参考文献

相关记录

2 A fracture-resistant high-entropy alloy for cryogenic applications

Gludovatz, B; Hohenwarter, A; (...); Ritchie, RO

Sep 5 2014 | SCIENCE 345 (6201) , pp.1153-1158

High-entropy alloys are equiatomic, multi-element systems that can crystallize as a single phase, despite containing multiple elements with different crystal structures. A rationale for this is that the configurational entropy contribution to the total free energy in alloys with five or more major elements may stabilize the solid-solution state relative to multiphase microstructures. We examine ... 显示更多

知识库中的免费已发表文章 出版商处的全文 ••• View PDF with EndNote Click

2,825 被引频次

50 参考文献

相关记录

3 Microstructures and properties of high-entropy alloys

Zhang, Y; Zuo, TT; (...); Lu, ZP

Apr 2014 | PROGRESS IN MATERIALS SCIENCE 61 , pp.1-93

3,399 被引频次

296

Web of Science帮助快速定位重要文献来阅读

- **高影响力的论文**：定位高学术影响力文献信息。
- **近期会议论文/最新发表论文**：通常报告了相关主题的最新研究动态。
- **特定学科领域论文**：寻找同一主题在不同学科中的交叉融合。
- **相关的著作**：提供相对全面的研究背景和理论。
- **综述论文**：总结前人的研究工作。

如何获取全文呢?

- WoS全文链接按钮
- **开放获取OA**
- **EndNote Click（一键获取全文）**
- 馆际互借
- 图书馆文献传递
- 免费全文网站
- 提供免费全文的期刊
- **作者E-mail联系或作者主页**

精炼检索结果-OA开放获取标签

对OA文章的精炼，筛选可开放获取免费全文的文章

Web of Science™ 检索 标记结果列表 历史 跟踪服务 qingwen yuan

results > 标准检索结果 > 检索结果 > 检索结果 > 检索结果 > 检索结果 > 检索结果

584,952 条来自 Web of Science 核心合集的结果:

#2 OR #3 OR #4 OR #5 | 分析检索结果 | 引文报告

精炼依据: 开放获取 ✕ 全部清除

复制检索式链接

出版物 | 您可能也想要... New

精炼检索结果

在结果中检索...

快速过滤

- 高被引论文 5,107
- 热点论文 194
- 综述论文 20,118
- 在线发表 4,870
- 开放获取 584,952
- 相关数据 6,502

出版年

- 2022 149
- 2021 61,371

0/584,952 | 添加到标记结果列表 | 导出 | 使用次数 (最近 180 天): 最多优先 | 1 / 2,000

1 Materials for electrochemical capacitors

Simon, P and Gogotsi, Y

Nov 2008 | NATURE MATERIALS 7 (11) , pp.845-854

Electrochemical capacitors, also called supercapacitors, store energy using either ion adsorption (electrochemical double layer capacitors) or fast surface redox reactions (pseudo-capacitors). They can complement or replace batteries in electrical energy storage and harvesting applications, when high power delivery or uptake is needed. A notable improve ... 显示更多

S·F·X 知识库中的免费已发表文章 出版商处的全文 •••

11,955 被引频次

80 参考文献

相关记录

跳转至出版商界面获取全文

2 Deep learning in neural networks: An overview

Schmidhuber, J

Jan 2015 | NEURAL NETWORKS 61 , pp.85-117

In recent years, deep artificial neural networks (including recurrent ones) have won numerous contests in pattern recognition and machine learning. This historical survey compactly summarizes relevant work, much of it from the previous millennium. Shallow and Deep Learners are distinguished by the depth of their credit assignment paths, which are c ... 显示更多

6,283 被引频次

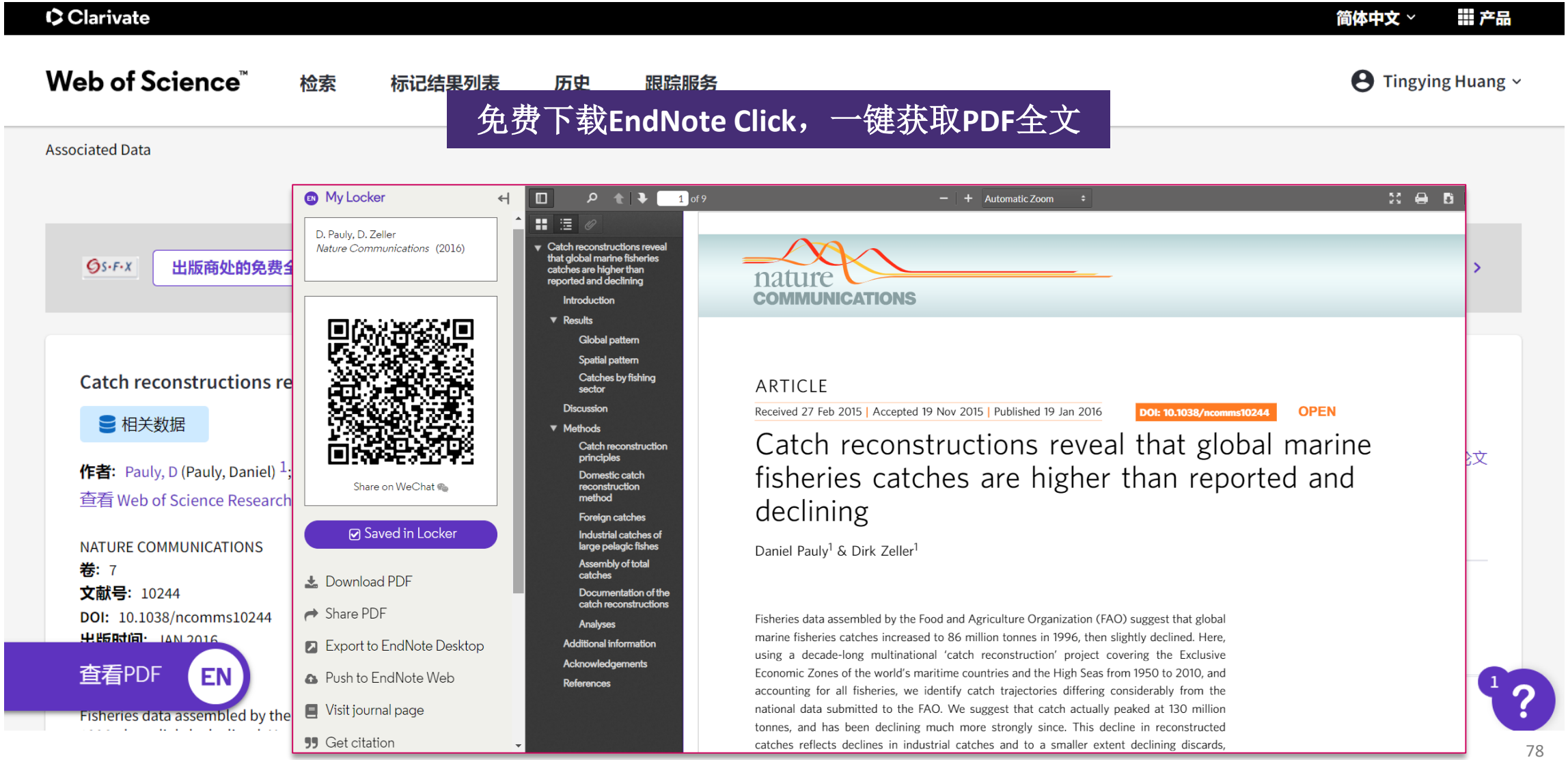
882 参考文献

快速获取全文小插件-Endnote Click

Endnote Click（Kopernio） 是一个免费的浏览器插件及在线工具，集成了超过2万个期刊网站、平台、数据库、开放获取知识库和搜索引擎，帮助用户实现一键式合法获取学术期刊全文文献。 (Google Chrome 或 Mozilla Firefox可使用)

快速获取全文小插件-Endnote Click

快速获取全文小插件-Endnote Click



如何高效开展课题调研?

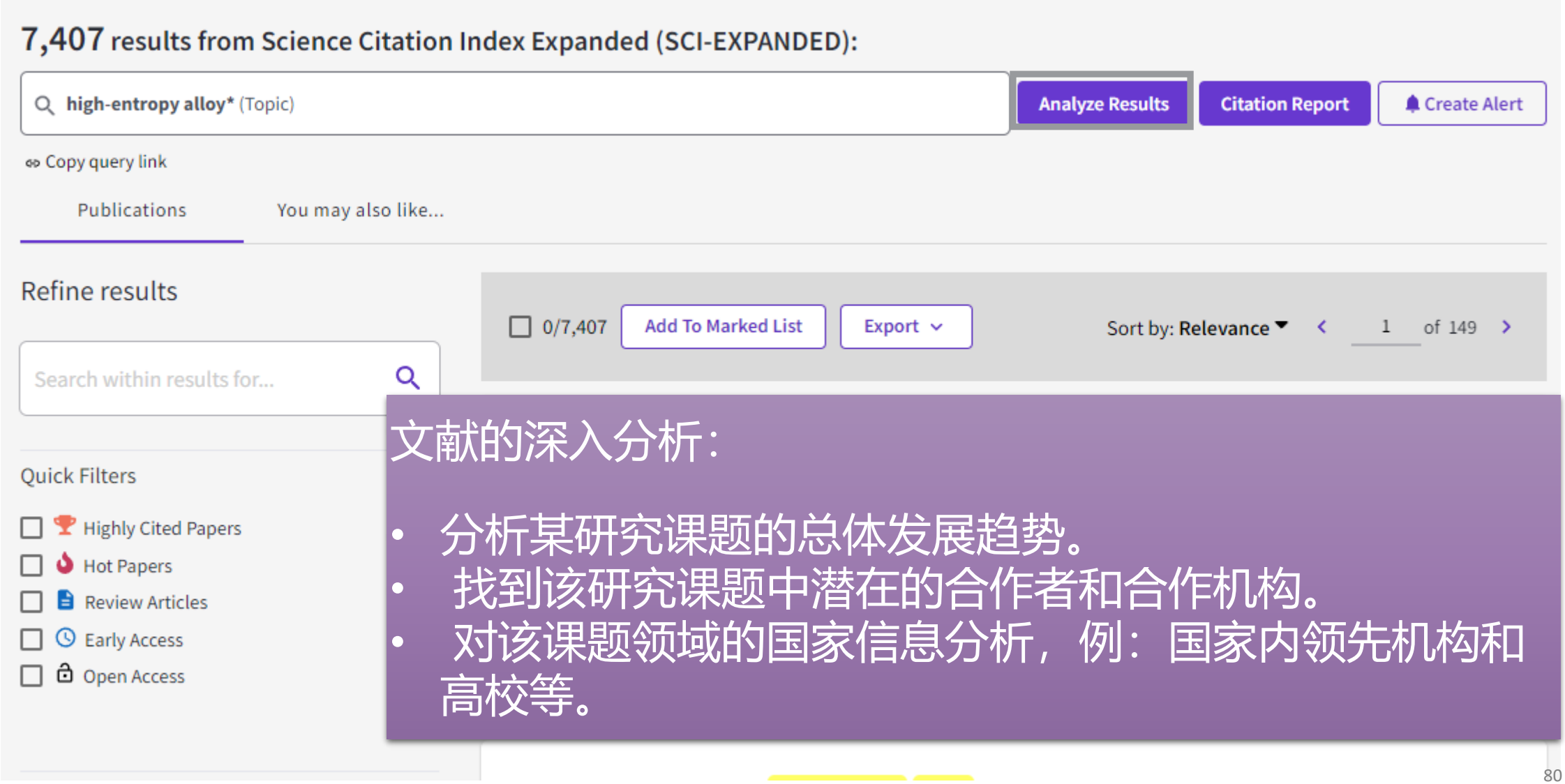
❖ 查找本课题相关的论文

- 如何快速获取该领域的高影响力的论文?

❖ 分析研究进展与发展趋势

- 了解某特定课题在不同学科的分布情况
- 分析某研究课题的总体发展趋势
- 了解与自己研究方向有关的科研机构
- 找到该研究课题中潜在的合作伙伴
- 密切关注该研究领域的顶尖研究小组的发表成果

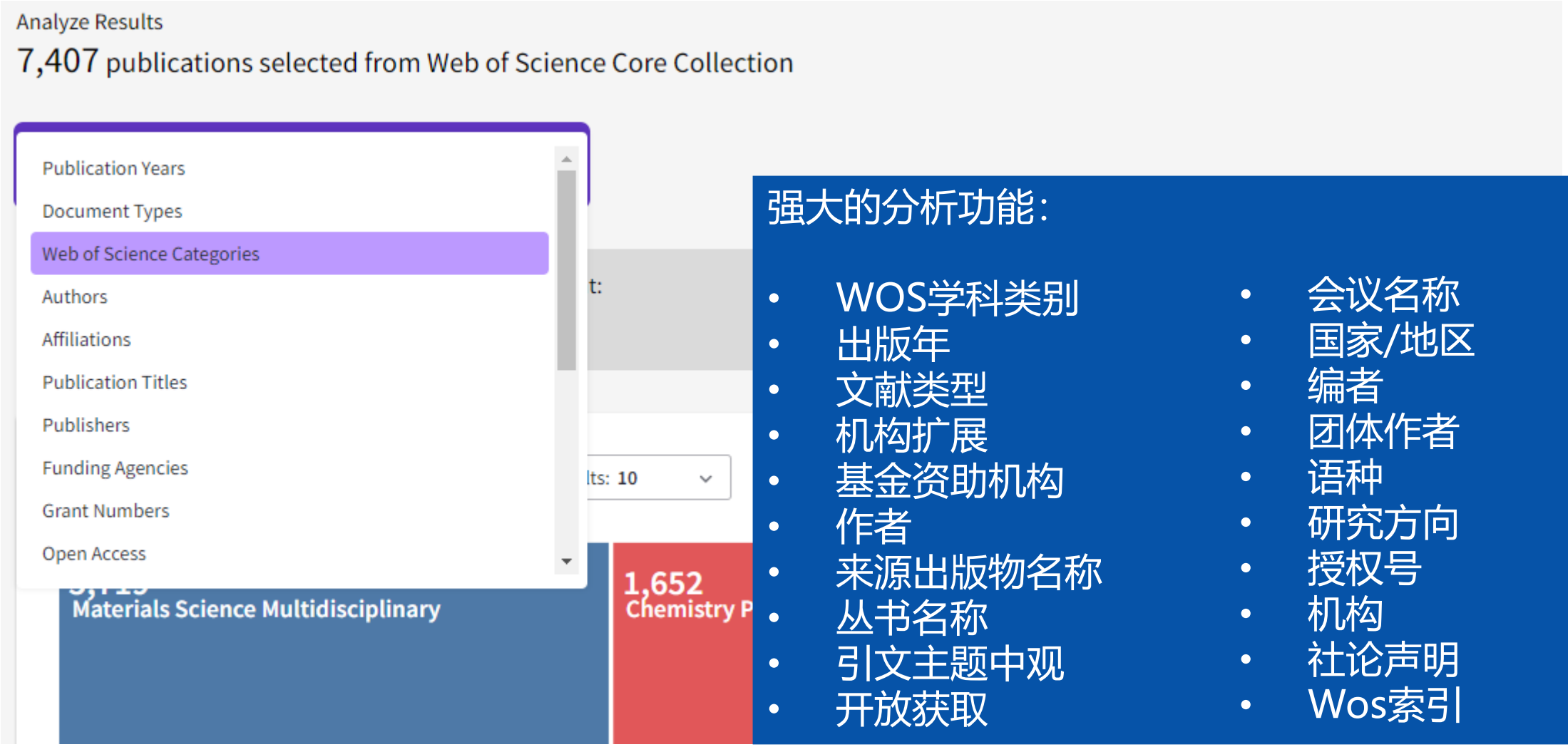
如何高效开展课题调研?



文献的深入分析：

- 分析某研究课题的总体发展趋势。
- 找到该研究课题中潜在的合作者和合作机构。
- 对该课题领域的国家信息分析，例：国家内领先机构和高校等。

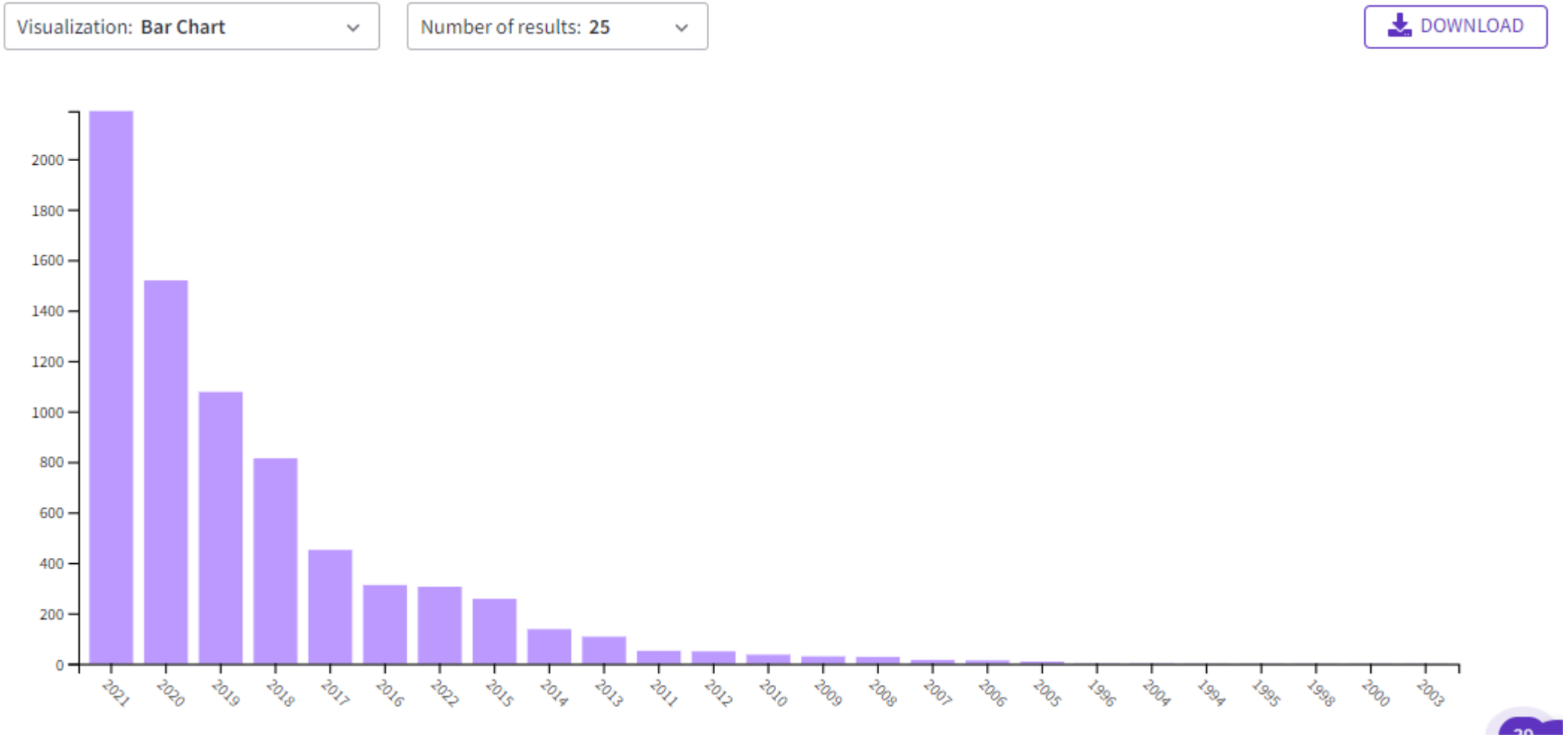
研究课题:高熵合金



强大的分析功能:

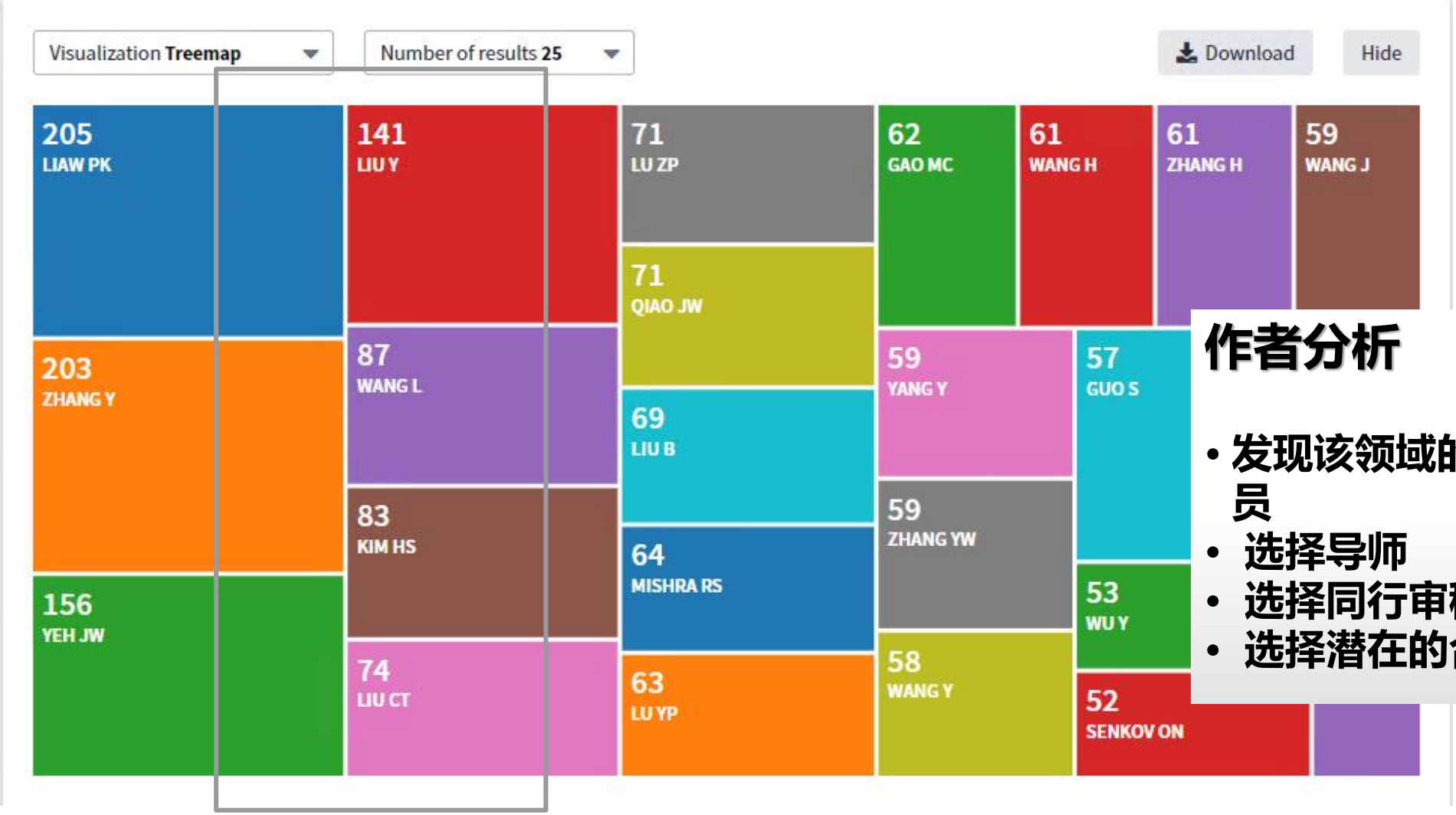
- WOS学科类别
- 出版年
- 文献类型
- 机构扩展
- 基金资助机构
- 作者
- 来源出版物名称
- 丛书名称
- 引文主题中观
- 开放获取
- 会议名称
- 国家/地区
- 编者
- 团体作者
- 语种
- 研究方向
- 授权号
- 机构
- 社论声明
- Wos索引

出版年分析



出版年分析：了解课题的发展趋势及判断课题的发展阶段

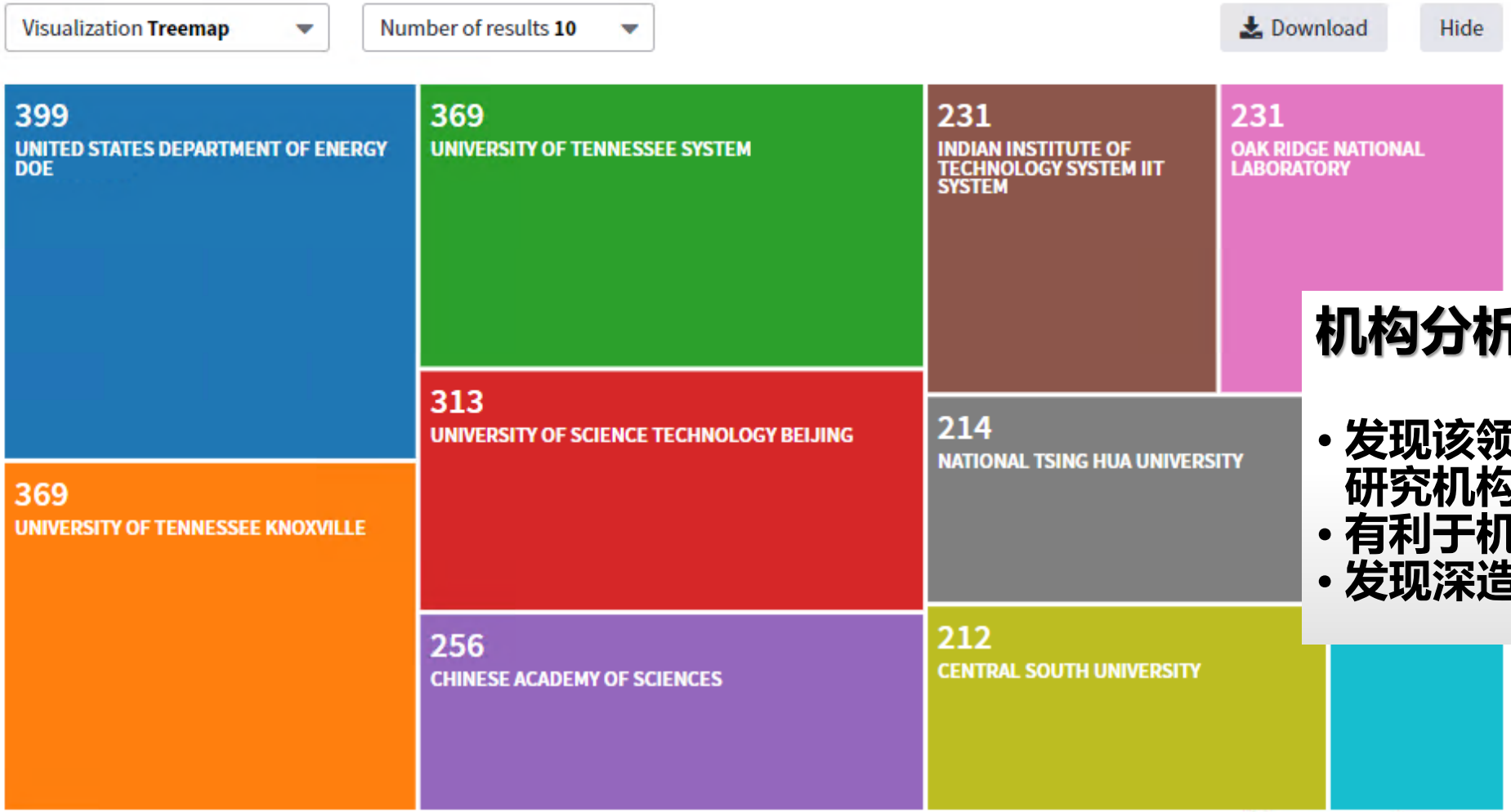
作者分析



作者分析

- 发现该领域的高产出研究人员
- 选择导师
- 选择同行审稿专家
- 选择潜在的合作者

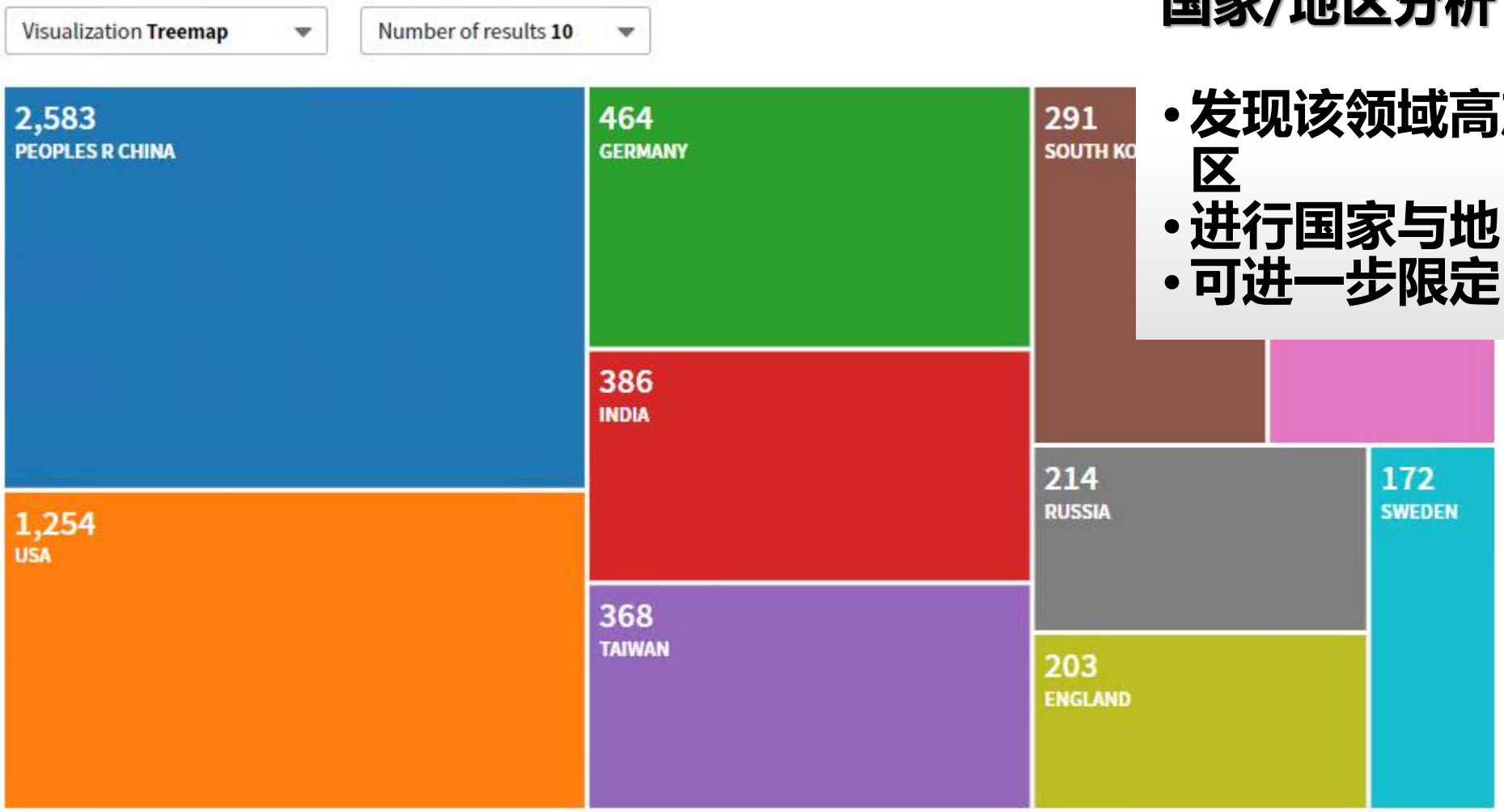
机构分析



机构分析

- 发现该领域高产出的大学及研究机构
- 有利于机构间的合作
- 发现深造的研究机构

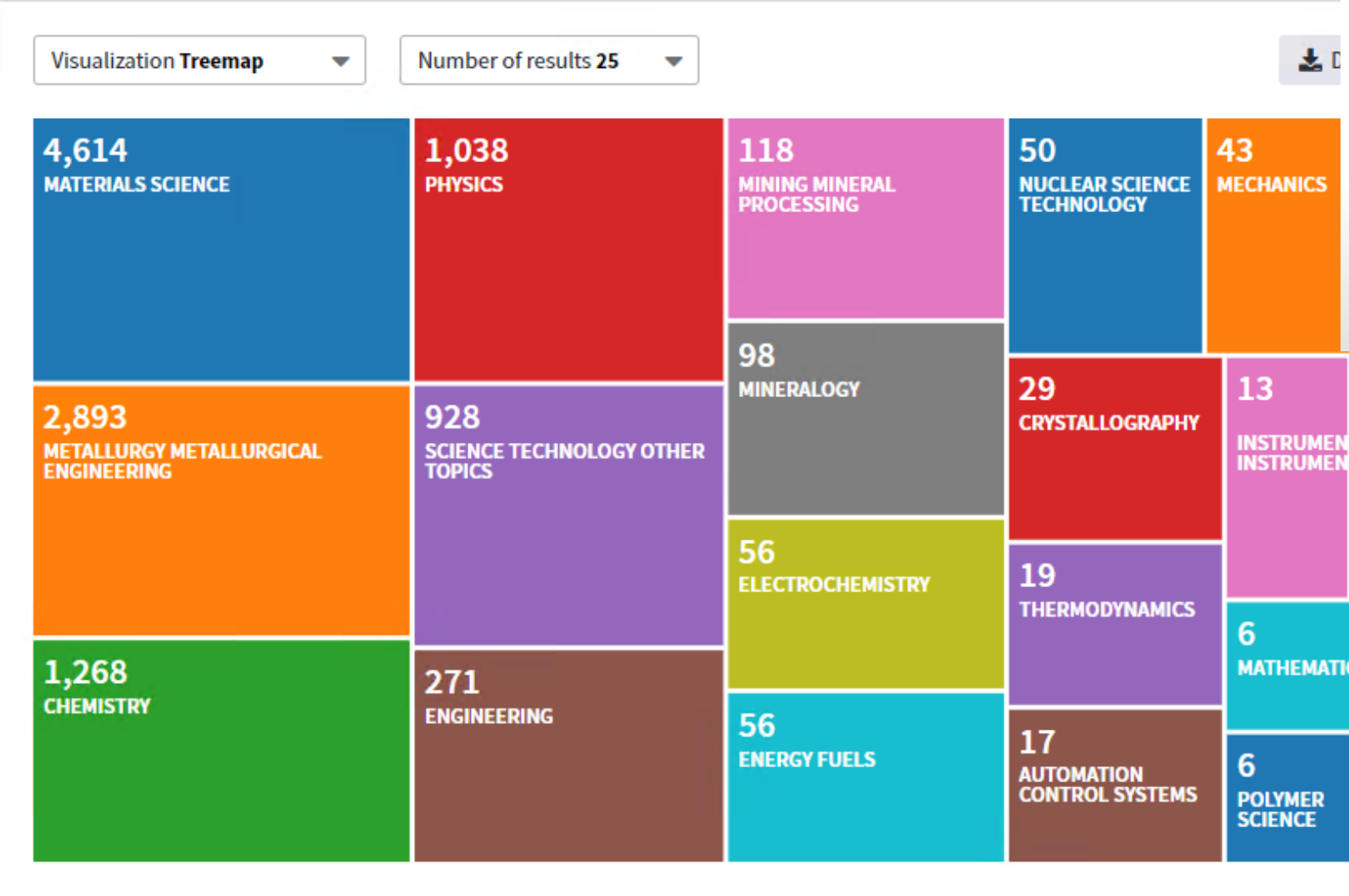
国家/地区分析



国家/地区分析

- 发现该领域高产出的国家与地区
- 进行国家与地区间的研究对比
- 可进一步限定，进行深入分析

研究方向分析



研究方向

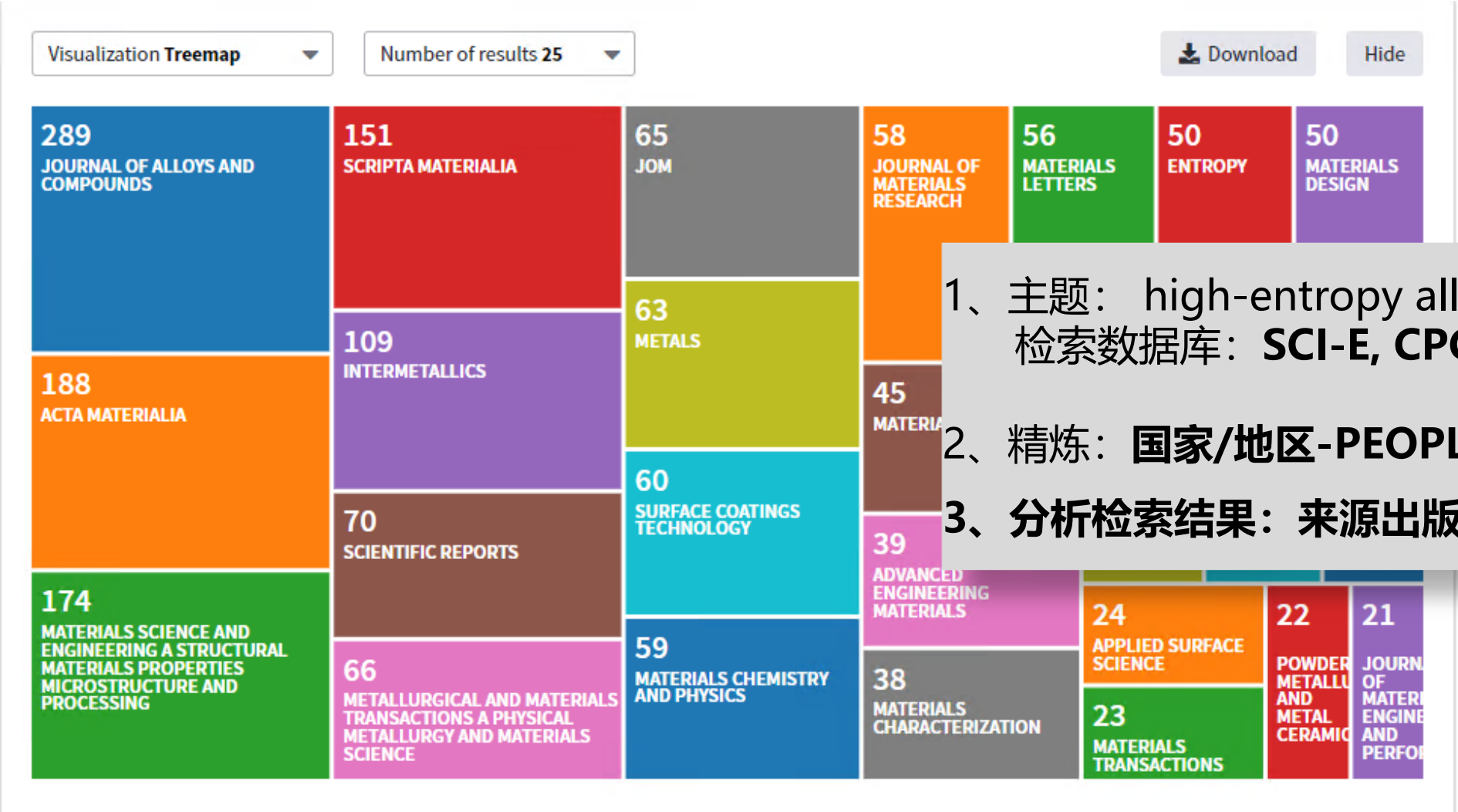
- 了解有关研究在不同学科的分布情况，寻找跨学科研究情况

来源出版物分析

来源出版物

- 与课题相关的学术期刊列表，供投稿参考
- 在WOS页面、JCR查看期刊的影响因子

中国学者该领域倾向选择的期刊



1、主题： high-entropy alloy*
检索数据库：**SCI-E, CPCI-S**

2、精炼：**国家/地区-PEOPLES R CHINA**

3、分析检索结果：来源出版物

研究课题:高熵合金

7,407 results from Science Citation Index Expanded (SCI-EXPANDED):

high-entropy alloy* (Topic)

Analyze Results | Citation Report | Create Alert

Copy query link

引文报告呈现该领域的总体趋势

Publications | You may also like...

Refine results

Search within results for...

Quick Filters

- Highly Cited Papers 153
- Hot Papers 9
- Review Articles 343
- Early Access 115
- Open Access 2,359

0/7,407 | Add To Marked List | Export | Sort by: Relevance | 1 of 149

1 Order and Disorder in Amorphous and High-Entropy Materials

Yan, XH; Liaw, PK and Zhang, Y

Jun 2021 | Apr 2021 (Early Access) | METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE 52 (6) , pp.2111-2122

Order and disorder are important principles in materials science in which entropy is a measure of disorder in a system. For example, recently developed high-entropy alloys and amorphous alloys have drawn interest based on the ability to des ... Show more

Links | Full Text at Publisher | View PDF with EndNote Click

1 Citation

45 References

Related records

研究课题:高熵合金

Publications
7,407
Total
From 1900 to 2022

Citing Articles
27,004 Analyze
Total
19,694 Analyze
Without self-citations

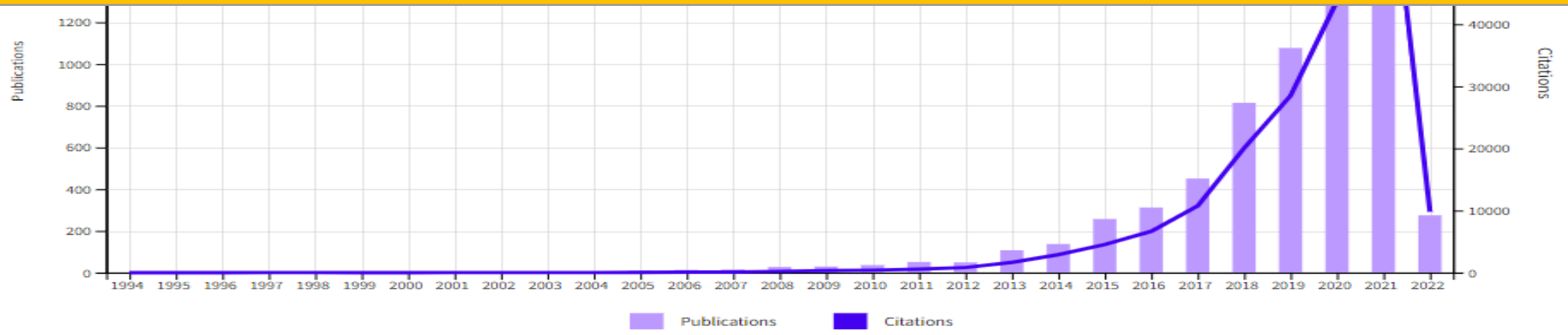
Times Cited
205,604
Total
44,775
Without self-citations
27.76
Average per item

175
H-Index

Times Cited and Publications Over Time

DOWNLOAD

引证报告能够帮助我们直观地分析课题的总体发展趋势和学术影响力情况，揭示该课题目前是处于快速上升、平稳积累还是成熟阶段。



如何高效管理文献，实现与课题组文献资源共享?

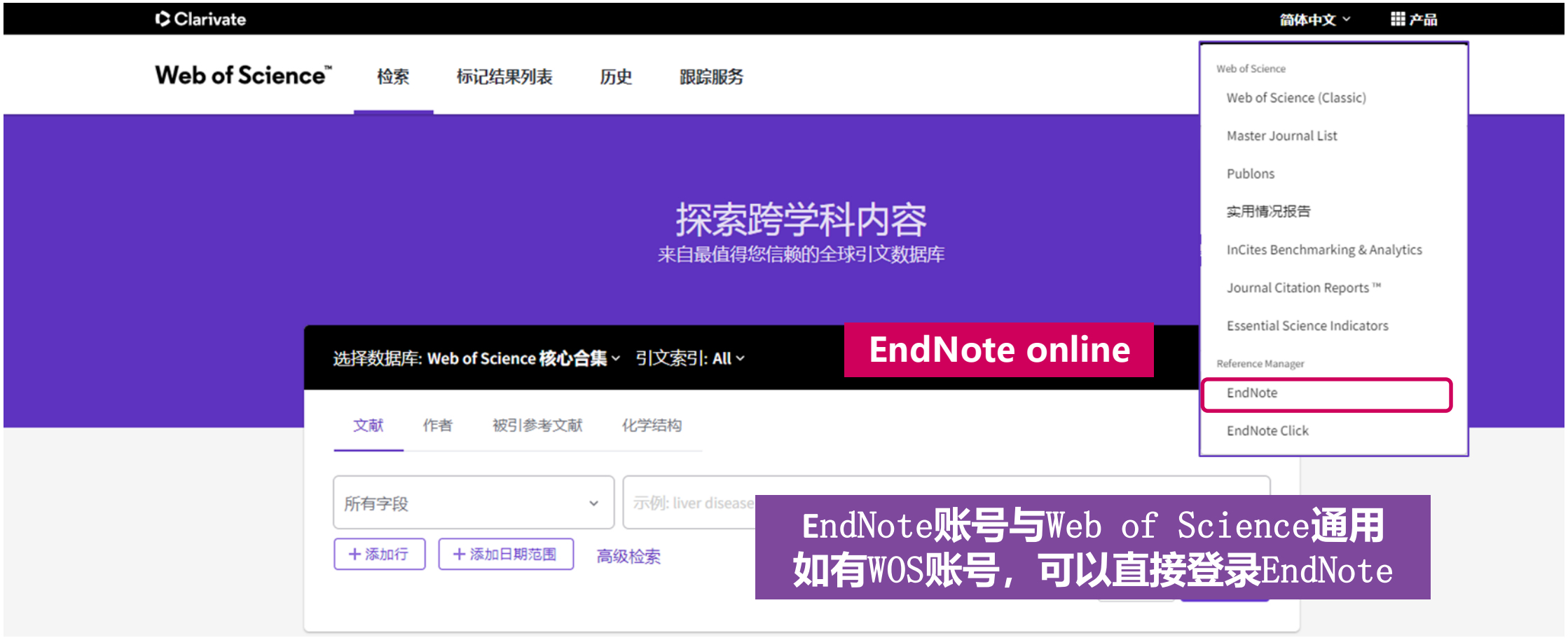
参考文献格式正确的重要性

- 参考文献格式的正确与否直接关系着我们文章投稿的成功率。
- 参考文献格式要求不尽相同：不同领域、不同期刊、不同院校的硕博士论文

在2004年投向Nature的中国文章有55%，2003年更是高达62%， 未经编委审查，在期刊初审阶段就退稿，很大一部分是格式问题，特别是参考文献格式。

即使是最高水平的期刊，其中也有30%的文章有参考文献的错误，这大大降低了文章被引用次数的统计。

文献管理与写作工具——EndNote



保存至EndNote

savedrecs.ciw

双击后自动导入
EndNote 20

EndNote强大的文献管理功能

- 与Microsoft Word自动连接, 边写作边引用

  自动生成文中和文后参考文献

  提供3300多种期刊的参考文献格式

- 提高写作效率:

  按拟投稿期刊的格式要求自动生成参考文献, 节约了大量的时间和精力

  对文章中的引用进行增、删、改以及位置调整都会自动重新排好序

  修改退稿, 准备另投它刊时, 瞬间调整参考文献格式

投稿选刊的方法与思路

如何选择合适的期刊发表学术成果?

1、分析检索结果：出版物标题分析

2、Journal Citation Reports

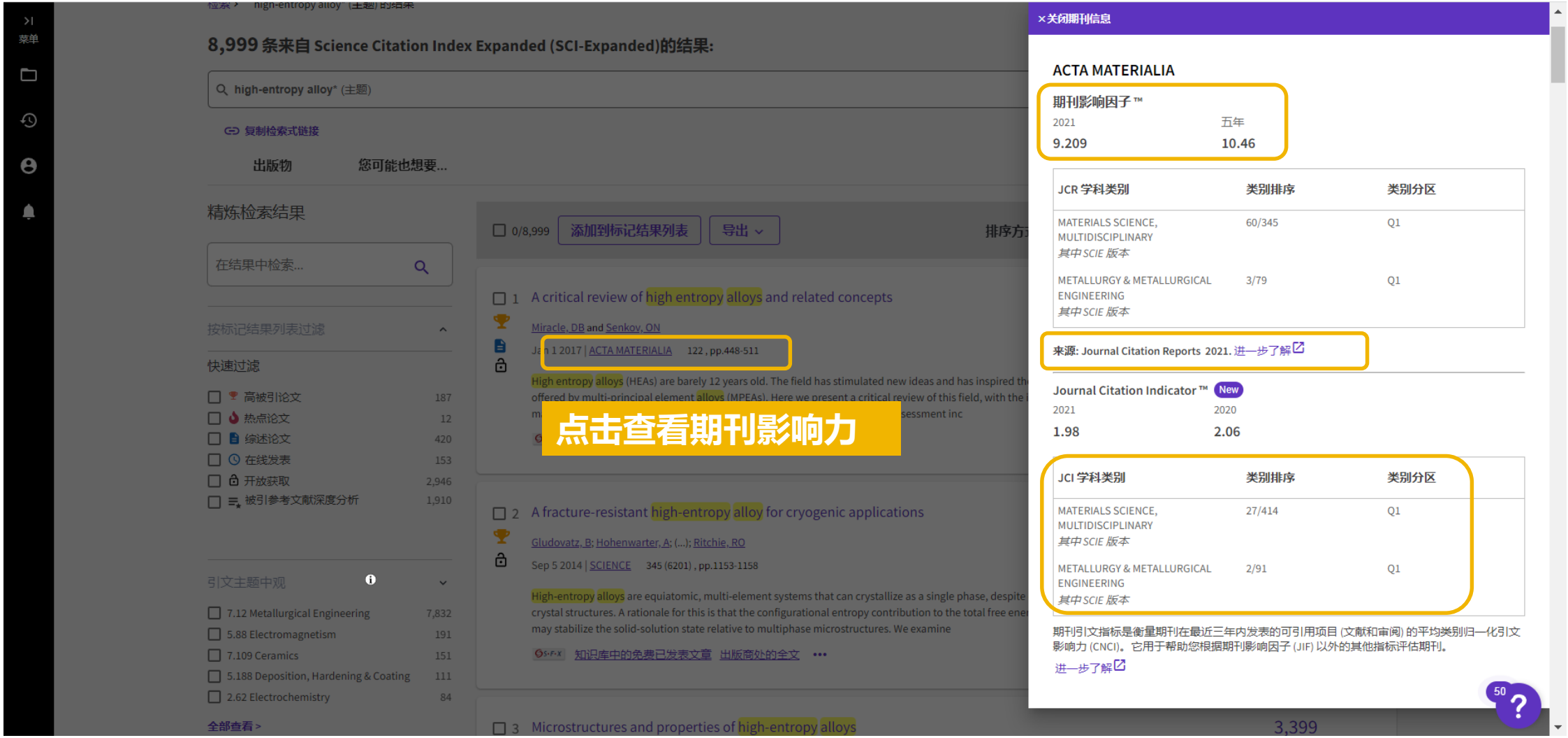
3、ENDNOTE投稿期刊推荐

“高熵合金”相关研究有哪些可以参考的投稿期刊?

借鉴同领域更多科研人员的投稿经验

发现相关的学术期刊进行投稿
- 分析备选期刊的录用倾向性
- 尤其是**跨学科的领域投稿指导**

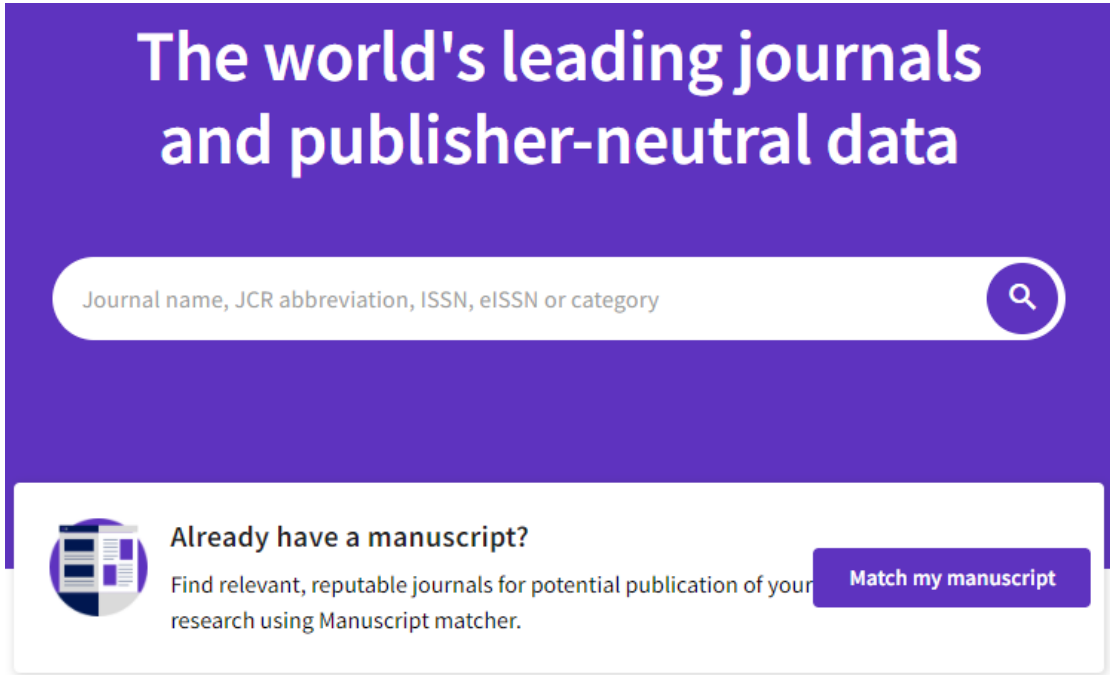
“高熵合金”相关研究期刊表现如何?

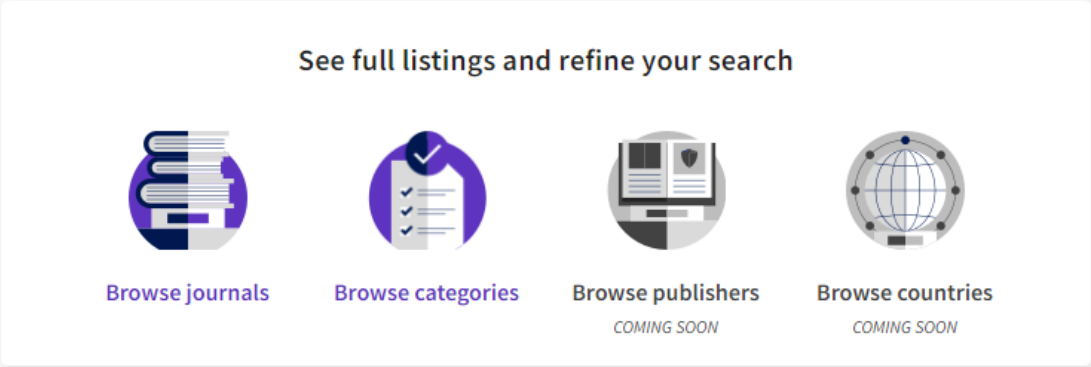


Journal Citation Reports

- 综合了解学术期刊的评价性工具
- 对每种收录期刊提供以下统计数据
  - 引文和论文数量；影响因子；立即影响指数；主题分类；出版社信息；期刊标题变化等信息

- New highlights of the new version:
- AHCI 和 ESCI 所收录的期刊资源
- 全新推出期刊引文指标（Journal Citation Indicator, 简称 JCI ）





借助JCR全面了解期刊影响力

JCR YEAR

2021

ACTA MATERIALIA

View title change

ISSN

1359-6454

EISSN

1873-2453

JCR ABBREVIATION

ACTA MATER

ISO ABBREVIATION

Acta Mater.

期刊基本信息

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

METALLURGY & METALLURGICAL ENGINEERING - SCIE

MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE

LANGUAGES | REGION | 1ST ELECTRONIC JCR YEAR

Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and informed peer review. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles. Learn more

2021 JOURNAL IMPACT FACTOR

9.209

View calculation

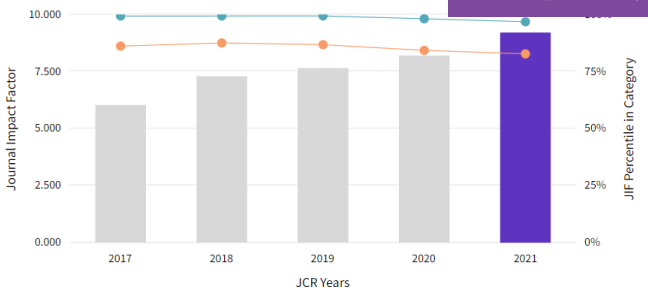
JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

8.443

View calculation

期刊影响因子

Journal Impact Factor Trend 2021



Journal Impact Factor contributing items

Export

Citable items (1,538) | Citing Sources (744)

	CITATION COUNT
...w of mechanical properties and	183
...d transition and grain refinement of titanium alloys during additive manufacturing	107
Machine learning assisted design of high entropy alloys with desired property	91
Phase stability and mechanical properties of novel high entropy transition metal carbides	84
Outstanding tensile properties of a precipitation-strengthened FeCoNiCrTi0.2 high-entropy alloy at room and cryogenic temperatures	79
Developing a high-strength Al-Mg-Si-Sc-Zr alloy for selective laser melting: Crack-inhibiting and multiple strengthening mechanisms	78

影响因子

2020 JOURNAL IMPACT FACTOR

49.962

View calculation

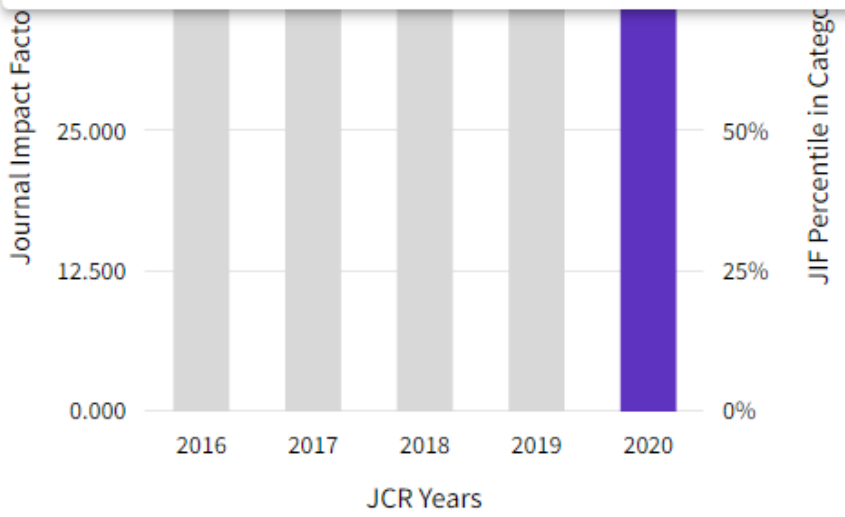
JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

49.315

View calculation

Journal Impact Factor™ is calculated using the following metrics:

$$\frac{\text{Citations in 2020 to items published in 2018 (49,095) + 2019 (41,186)}}{\text{Number of citable items in 2018 (904) + 2019 (903)}} = \frac{90{,}281}{1{,}807} = 49.962$$



Journal Impact Factor of NATURE

- 影响因子的计算仅涉及文章(Article)和综述(Review)两类文献
- 只有在Web of Science®收录达3年的期刊才会有影响因子
- 影响因子（Impact Factor）的出版周期为一年一次，每年6、7月份更新前一年的影响因子数据

借助JCR全面了解期刊影响力

Contributions by organizations

Export

Organizations that have contributed the most papers to the journal in the most recent three-year period. Learn more

RANK	ORGANIZATION	COUNT
1	UNITED STATES DEPARTMENT OF ENERGY (DOE)	297
2	LEAGUE OF EUROPEAN RESEARCH UNIVERSITIES - LERU	214
3	CENTRE NATIONAL (CNRS)	
4	CHINESE ACADEMY OF SCIENCES	149
5	UNIVERSITY OF CALIFORNIA SYSTEM	140
6	MAX PLANCK SOCIETY	130
7	UDICE-FRENCH RESEARCH UNIVERSITIES	128
8	HELMHOLTZ ASSOCIATION	119
9	NATIONAL INSTITUTE FOR MATERIALS SCIENCE	62

Contributions by country/region

Export

Countries or Regions that have contributed the most papers to the journal in the most recent three-year period. Learn more

RANK	COUNTRY / REGION	COUNT
1	USA	981
2	CHINA MAINLAND	683
5	France	242
6		
7		
8		
9		
10		

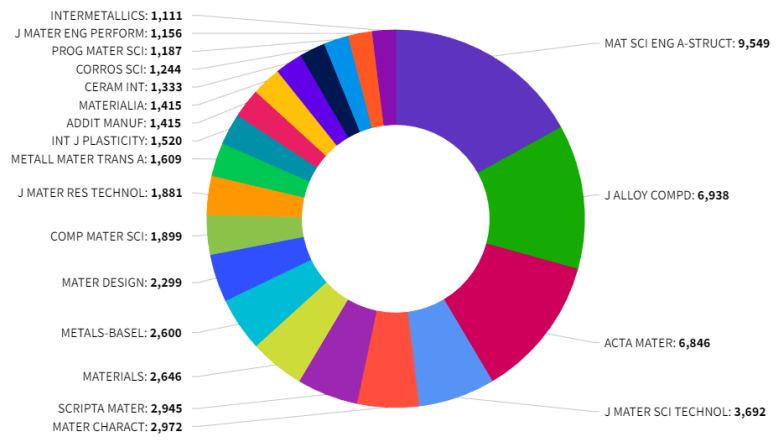
期刊近3年的收录文献来源国家/地区与学术机构分析

期刊施引/被引期刊

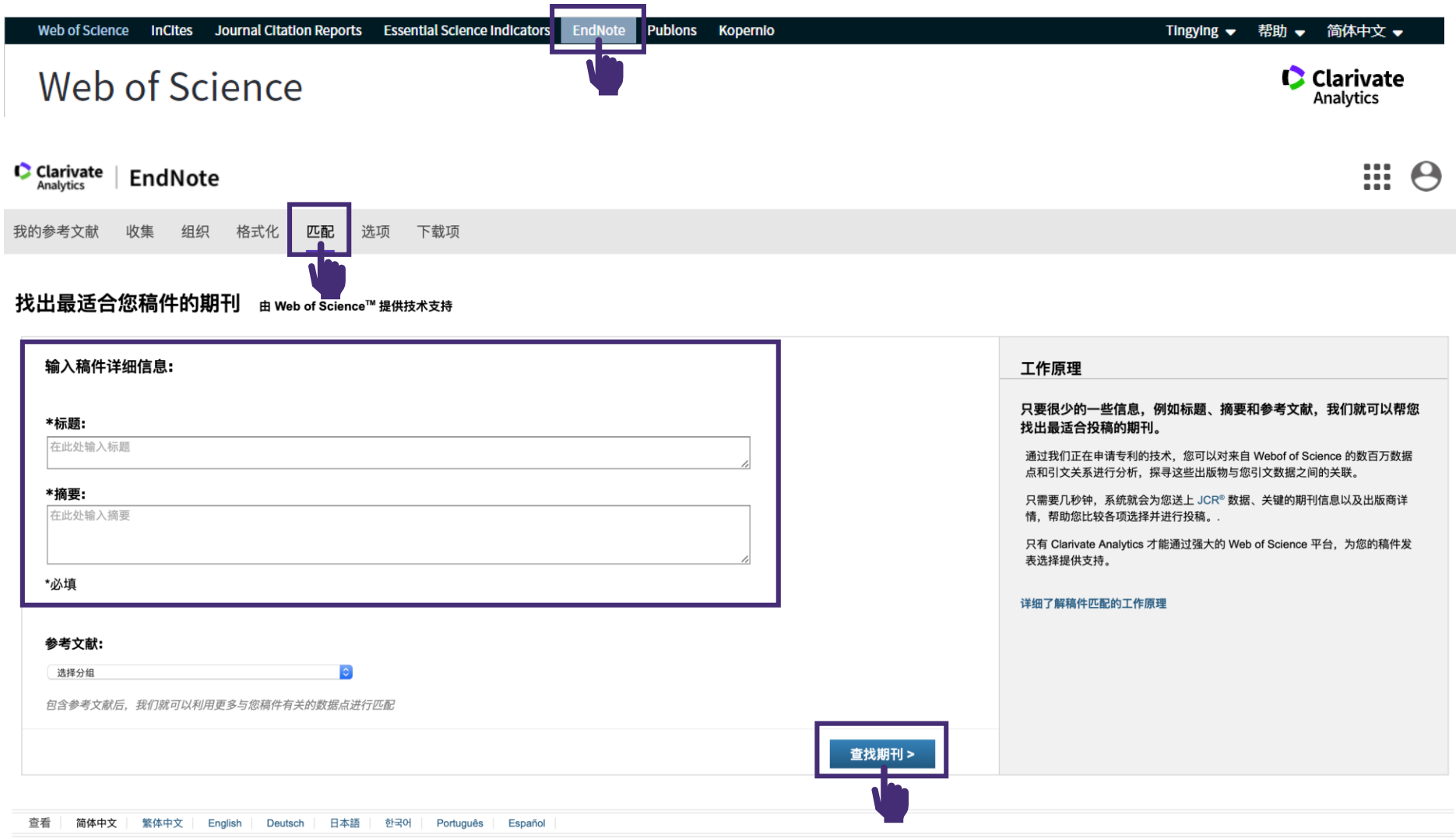
Journal Citation Relationships

Cited Data | Citing Data

Top 20 journals citing ACTA MATER by number of citations



EndNote自动匹配找出最适合稿件的期刊



我的这篇论文有哪些投稿期刊推荐?

Clarivate Analytics | EndNote

我的参考文献 收集 组织 格式化 匹配 选项 下载项

找出最适合您稿件的期刊 由 Web of Science™ 提供技术支持

8 匹配期刊

< 编辑稿件数据 全部展开 | 全部收起

匹配分数	JCR Impact Factor 当前年份	JCR Impact Factor 5 年	期刊	相似论文		
	3.623 2020	3.92 5 年	MATERIALS	0	该信息是否有帮助? ✓ 是 ✗ 否	提交 >> 期刊信息 >>
	1.62 2020	1.618 5 年	MATERIALS RESEARCH EXPRESS	0	该信息是否有帮助? ✓ 是 ✗ 否	提交 >> 期刊信息 >>
	3.361 2020	3.39 5 年	RSC ADVANCES	0	该信息是否有帮助? ✓ 是 ✗ 否	提交 >> 期刊信息 >>

最高的关键词评级

- alloys
- high-entropy alloys
- external corrosion scale
- high-boron high-entropy alloys

JCR 类别	类别中的评级	类别中的四分位置
CHEMISTRY, PHYSICAL	79/162	Q2
MATERIALS SCIENCE, MULTIDISCIPLINARY	152/335	Q2
METALLURGY & METALLURGICAL ENGINEERING	17/80	Q1
PHYSICS, APPLIED	51/160	Q2
PHYSICS, CONDENSED MATTER	27/69	Q2

出版商:

ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND

ISSN: ****-****

eISSN: 1996-1944

中国科学院文献情报中心期刊分区表

《中国科学院文献情报中心期刊分区表》（简称期刊分区表）是中国科学院文献情报中心科学计量中心的科学研究成果。期刊分区表自2004年开始发布，延续至今；2019年推出升级版，实现基础版、升级版并存过渡，2022年只发布升级版。

1、对自科版(SCIE)和社科版(SSCI)期刊引证报告(JCR)中全部期刊进行分区

2、提供大、小类两种学科分类体系的分区数据

3、提供分区数据检索、浏览等功能

4. Web of Science平台其他资源与工具

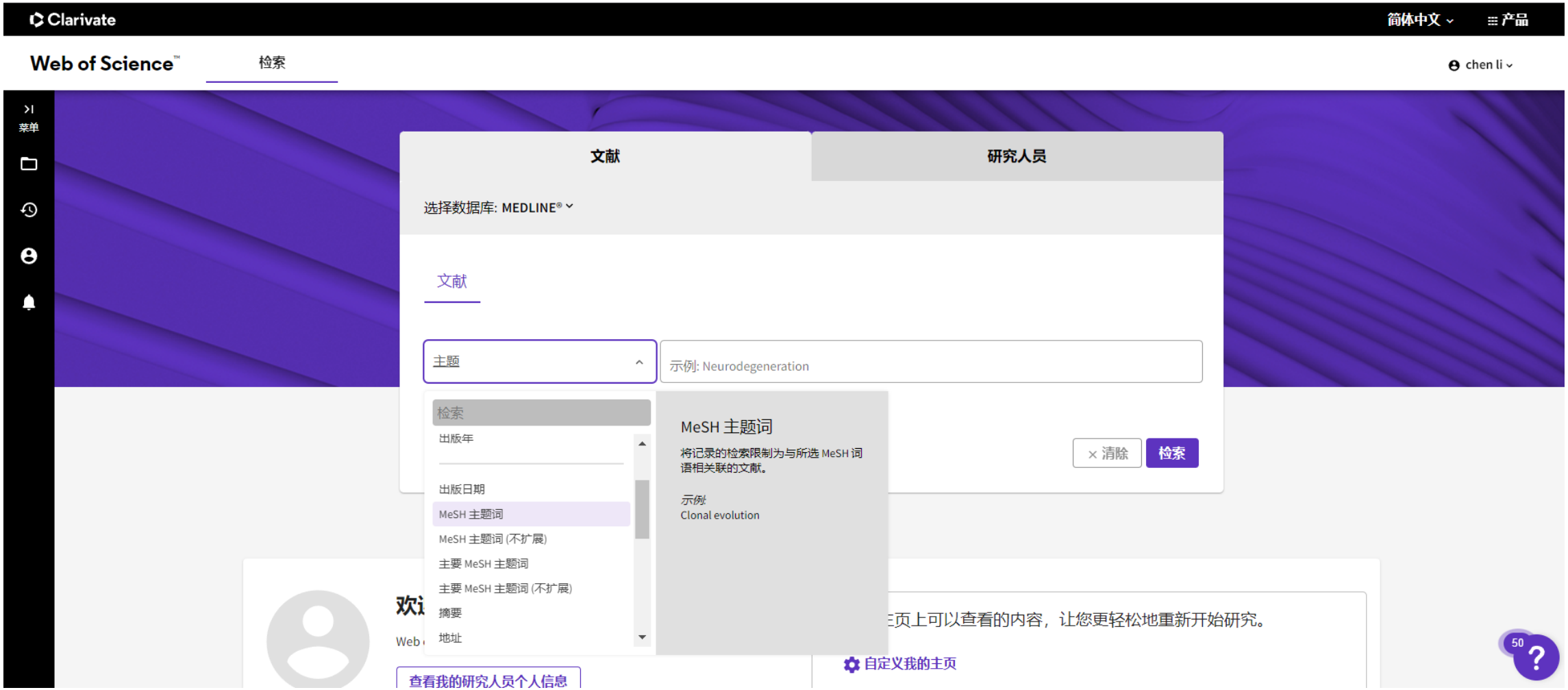
MEDLINE（WOS平台）

基于Web of ScienceTM平台的MEDLINE®数据库是美国国家医学图书馆(U.S. National Library of Medicine, NLM)主要的生命科学数据库。该数据库收录了5600余种期刊，同时还含有少量商业杂志、报纸和时事通讯，涵盖59种语言，总共超过2900万条的记录，从2000年起，每年新增逾50余万条记录，文献可回溯至1950年。

MEDLINE®数据库的收录范围非常广泛，涵盖基本生物学研究和临床科学领域，学科类别包括护理学、牙科学、兽医学、药理学、健康相关学科和临床前科学。

MEDLINE®数据库内置由专业人士编写的内容丰富的叙词表-医学主题词表(Medical Subject Headings，MeSH)，包括了26000余个主题词，使研究人员轻松、快捷、全面地对感兴趣的研究领域进行文献检索，快速锁定高质量的文献，而且这些叙词表会不断更新以反映科学技术的最新进展。此外，还可以利用CAS注册号、性别、物种等进行检索，检索结果可以链接到NCBI数据库。

MEDLINE（WOS平台）



MEDLINE 与 PubMed 的关系与区别

表1. PubMed、PMC和MEDLINE的特点总结

	PubMed	PMC	MEDLINE
收录范围	● MEDLINE ● 处理中文献记录 ● 出版商提交文献记录 ● 优先发表文献记录 ● 部分杂志的生命科学方面文献记录 ● NIH 基金资助作者的文章文献记录 ● NCBI 书籍文献记录	NCBI 收录的全文	MEDLINE
全文	有链接	有	无
更新频率	日	日	日/周
检索机制	词汇自动匹配术	词汇自动匹配术，全文检索	MESH 词检索

1.收录范围

PubMed的收录范围除了MEDLINE联机数据库，还包含了其他许多文献。

2.更新速度

一般情况下，MEDLINE联机数据库为周更新，而PubMed数据库是时时更新。

3.检索机制

MEDLINE支持主题词检索、字段限定检索、截词检索和自由词检索。而PubMed具有词汇自动转换匹配功能，具有较高的查准率和查全率。

4.链接功能

PubMed具有与免费全文链接、相关文献链接、相关图书链接和相关分子生物学数据库链接功能。

Derwent Innovations Index

将 Derwent World Patent Index (1963 年至今) 中超过 50 个专利发布机构索引的高附加值专利信息与 Derwent Patents Citation Index (1973 年至今) 中索引的专利引用信息进行组配。

- 检索改写后更加清晰易懂的专利标题和摘要，并且突出了每项发明的新颖性、用途、优点和权利要求。
- 使用国际专利分类号或唯一的德温特分类代码进行精确检索。
- 将来自多个专利授权机构的专利整合到一个专利家族，以便轻松而全面地揭示每项发明。
- 通过浏览专利引用信息来监控发明的影响力。

Inspec

物理、电气/电子工程、计算、控制工程、机械工程、生产与制造工程以及信息技术领域全球期刊和会议录文献的综合性索引。

- 使用独有的 Inspec 叙词和分类号以及化学、数字和天文索引进行检索。

注册账号

登录以继续使用 Web Of Science

Web of Science™

电子邮件地址

lichen@ustc.edu.cn

密码

••••••••

忘记密码?

登录

或

还没有 Clarivate 帐户?

创建您的免费帐户并访问 Web of Science 提供的所有内容:

- 在 Web of Science 中保存检索
- 保存标记结果列表以备后用
- 一次最多导出 5000 条记录
- 将参考资料添加到您的 Endnote Library
- 自动登录

注册

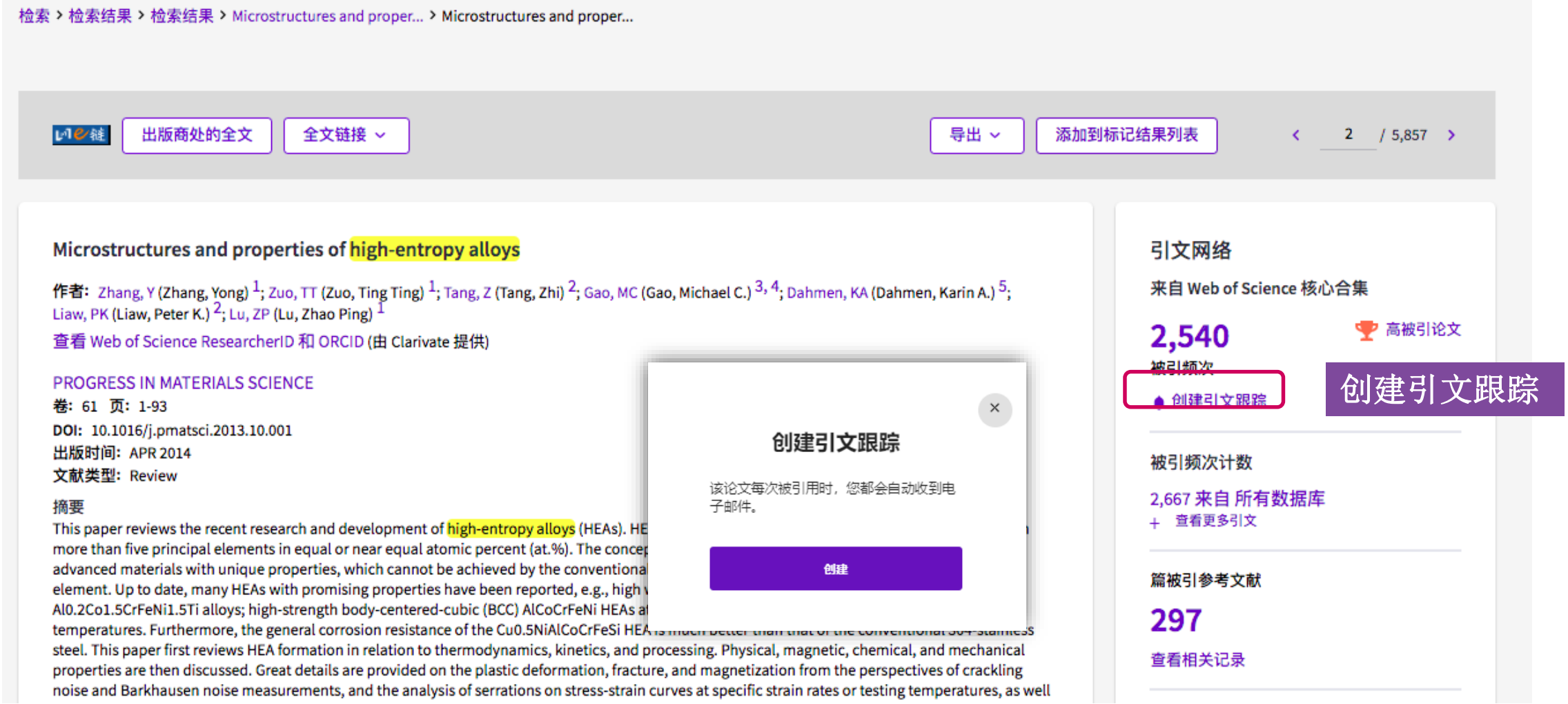
跟踪最新研究进展

– 引文跟踪

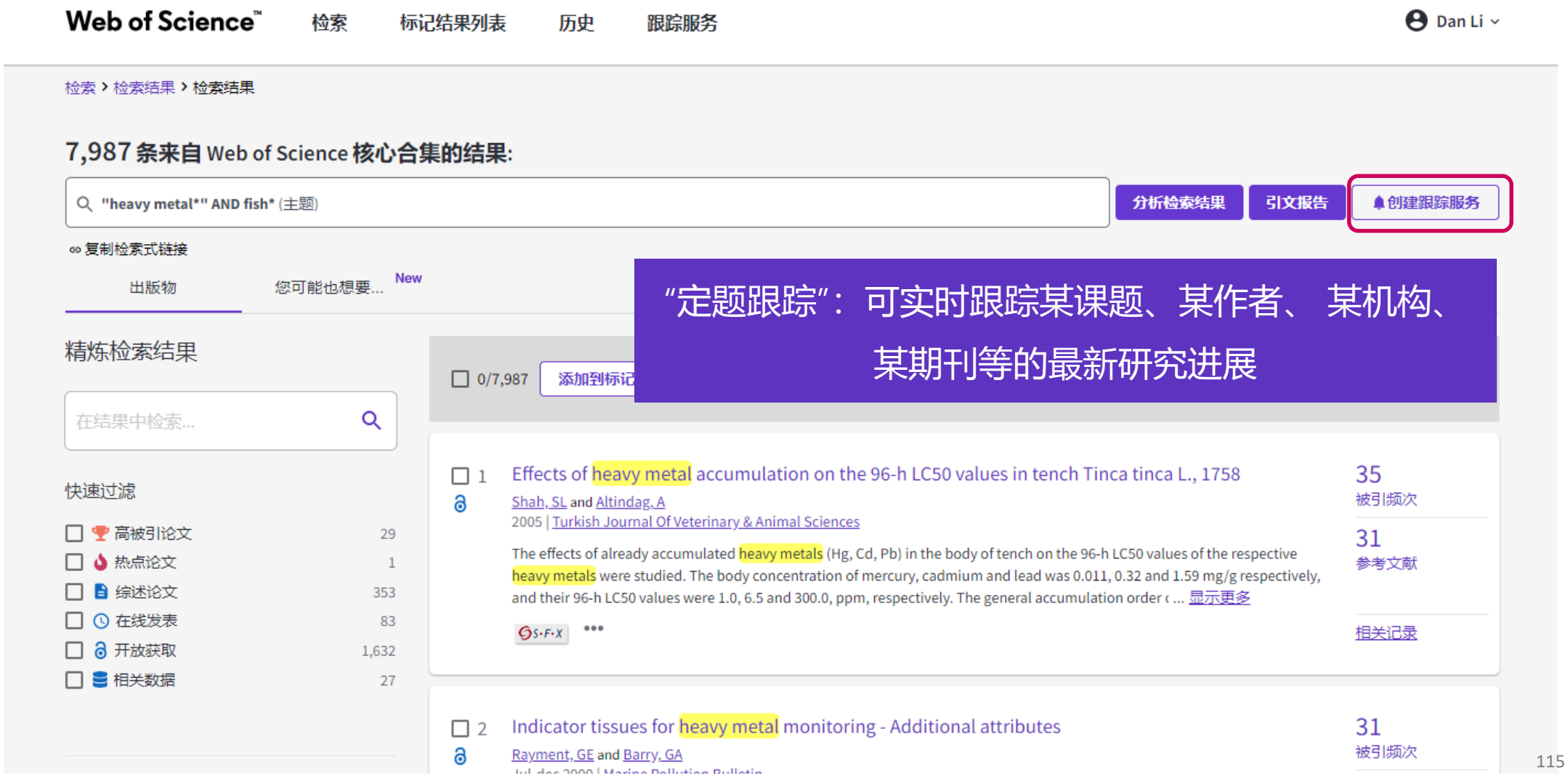
将有关课题的最新文献信息
自动发送到您的Email邮箱

– 定题跟踪

引文跟踪


检索 > 检索结果 > 检索结果 > Microstructures and proper... > Microstructures and proper...
出版商处的全文
全文链接
导出
添加到标记结果列表
2 / 5,857
Microstructures and properties of high-entropy alloys
作者: Zhang, Y (Zhang, Yong) [1]; Zuo, TT (Zuo, Ting Ting) [1]; Tang, Z (Tang, Zhi) [2]; Gao, MC (Gao, Michael C.) [3, 4]; Dahmen, KA (Dahmen, Karin A.) [5]; Liaw, PK (Liaw, Peter K.) [2]; Lu, ZP (Lu, Zhao Ping) [1]
查看 Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)
PROGRESS IN MATERIALS SCIENCE
卷: 61 页: 1-93
DOI: 10.1016/j.pmatsci.2013.10.001
出版时间: APR 2014
文献类型: Review
摘要
This paper reviews the recent research and development of high-entropy alloys (HEAs). HE
more than five principal elements in equal or near equal atomic percent (at.%). The concep
advanced materials with unique properties, which cannot be achieved by the conventiona
element. Up to date, many HEAs with promising properties have been reported, e.g., high
Al0.2Co1.5CrFeNi1.5Ti alloys; high-strength body-centered-cubic (BCC) AlCoCrFeNi HEAs a
temperatures. Furthermore, the general corrosion resistance of the Cu0.5NiAlCoCrFeSi HEA
steel. This paper first reviews HEA formation in relation to thermodynamics, kinetics, and processing. Physical, magnetic, chemical, and mechanical properties are then discussed. Great details are provided on the plastic deformation, fracture, and magnetization from the perspectives of crackling noise and Barkhausen noise measurements, and the analysis of serrations on stress-strain curves at specific strain rates or testing temperatures, as well
创建引文跟踪
该论文每次被引用时，您都会自动收到电子邮件。
创建
引文网络
来自 Web of Science 核心合集
2,540
高被引论文
被引频次
创建引文跟踪
创建引文跟踪
被引频次计数
2,667 来自 所有数据库
+ 查看更多引文
篇被引参考文献
297
查看相关记录

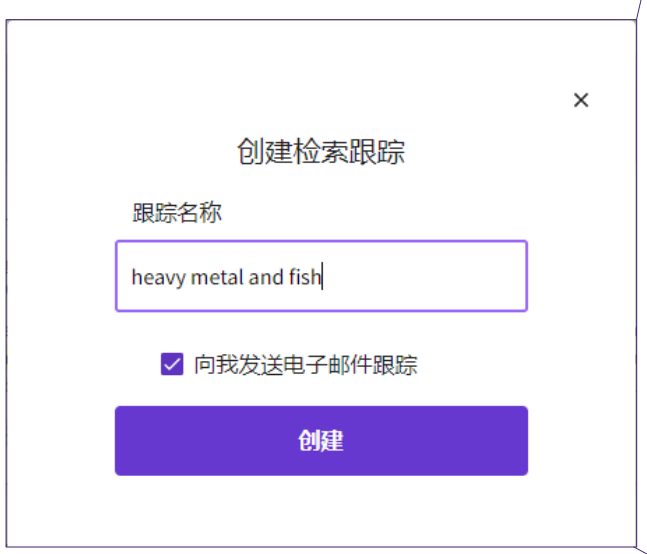
定题跟踪

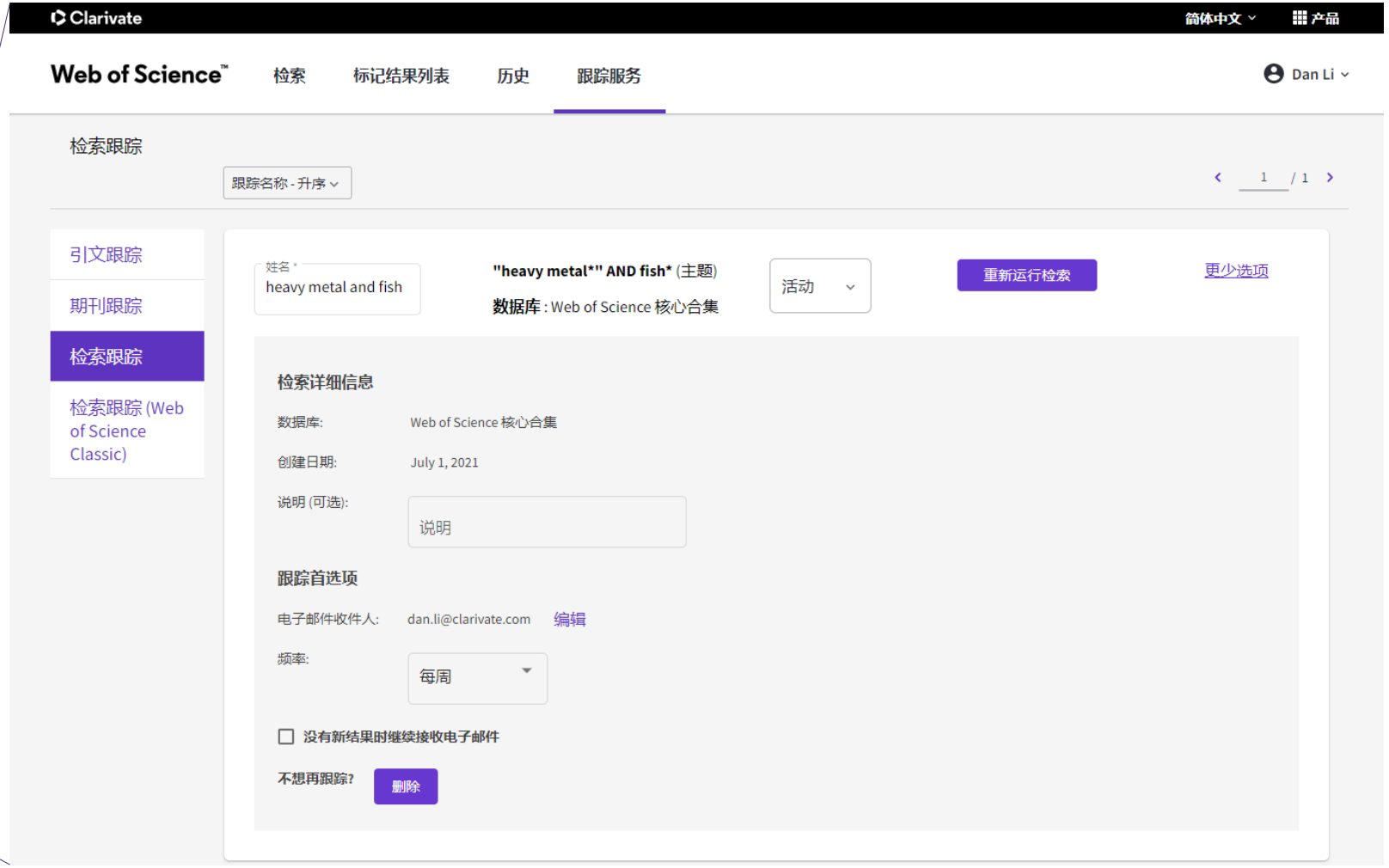


“定题跟踪”：可实时跟踪某课题、某作者、某机构、某期刊等的最新研究进展

定题跟踪

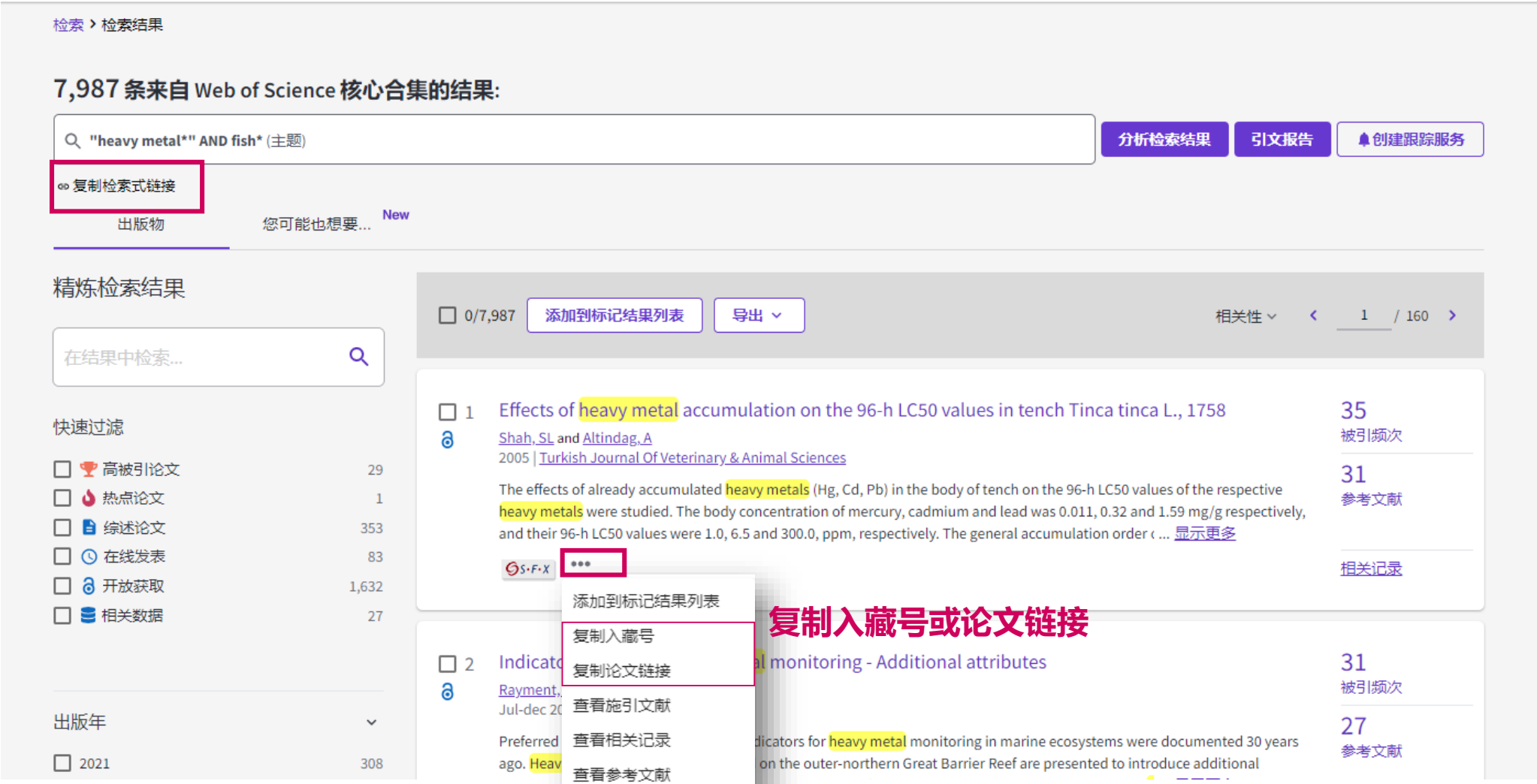
设定选项：
- 跟踪名称
- 电子邮件跟踪
- 频率



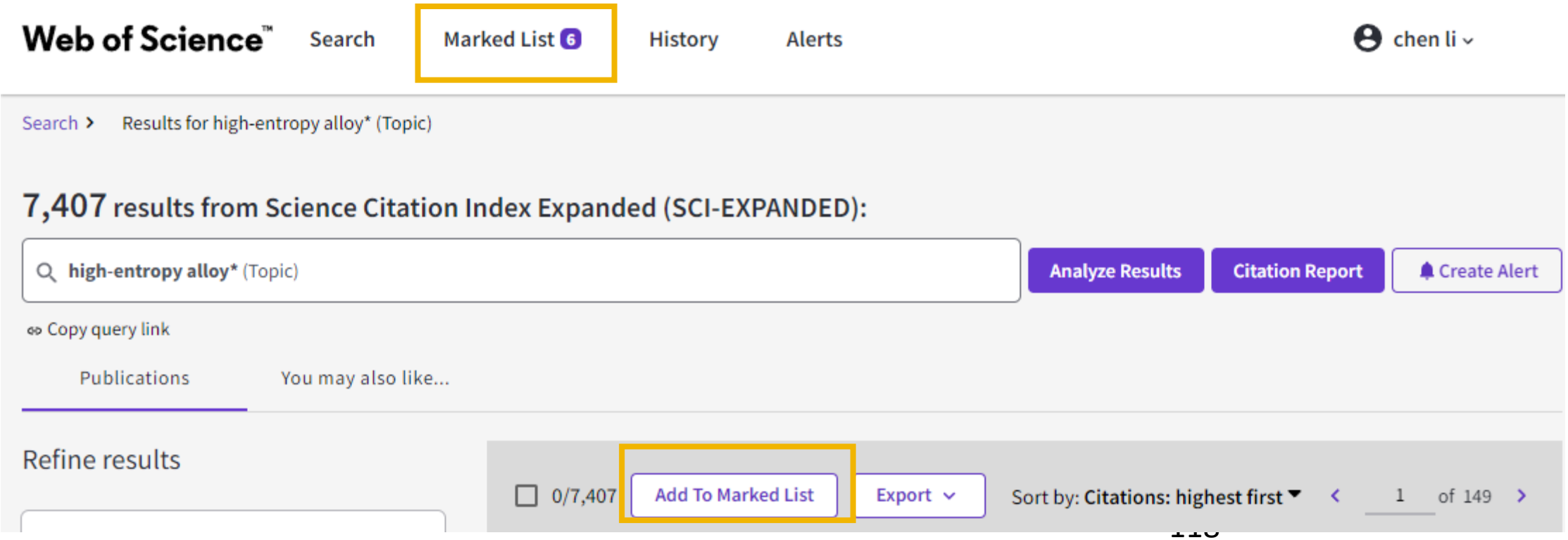


快速分享

复制检索式链接



保存检索历史


Web of Science™
Search
Marked List 6
History
Alerts
chen li
Search >
Results for high-entropy alloy* (Topic)
7,407 results from Science Citation Index Expanded (SCI-EXPANDED):
high-entropy alloy* (Topic)
Analyze Results
Citation Report
Create Alert
Copy query link
Publications
You may also like...
Refine results
0/7,407
Add To Marked List
Export
Sort by: Citations: highest first
1
of 149

导出

Export ^ | Add To Ma

- EndNote online
- EndNote desktop
- Add to my Publons profile
- Plain text file
- RefWorks
- RIS (other reference software
- BibTeX
- Excel
- Tab delimited file
- Printable HTML file
- InCites
- Email
- More Export Options

Clarivate

Web of Science™

6 record(s) printed from Clarivate Web of Science

Record 1 of 6

Title: Effects of metformin on prostatic tissue of rats with metabolic syndrome and benign prostatic hyperplasia

Author(s): Xu, CY (Xu, Congyun); Xu, Y (Xu, Yan); Shen, Z (Shen, Zhou); Zhou, HC (Zhou, Hangcheng); Xiao, J (Xiao, Jun); Huang, T (Huang, Tao)

Source: INTERNATIONAL UROLOGY AND NEPHROLOGY **Volume:** 50 **Issue:** 4 **Pages:** 611-617 **DOI:** 10.1007/s11255-018-1826-9 **Published:** APR 2018

Times Cited in Web of Science Core Collection: 6

Total Times Cited: 7

Abstract: To investigate the efficacy of insulin sensitizer on prostatic tissue in animal model with benign prostatic hyperplasia (BPH) secondary to metabolic syndrome (MetS).
Models were established by providing Sprague-Dawley rats with high fat diet (HFD) combined with metformin or not. All objects were killed 40 days later with prostatic tissue being removed, weighed before stained, as well as the expression level of insulin-like growth factor I (IGF-1) and receptor (IGF-1R) being measured, and the level of insulin resistance (IR) has also been evaluated.
Model has been successfully established. Level of prostatic hyperplasia and IR as well as IGF-1 and IGF-1R expressions in the blank and saline control subunits of HFD group was higher than that of normal diet group ($P < 0.05$). In the subunit of metformin, along with the suppression of IR, the level of prostatic hyperplasia and the expression of IGF-1 pathway have both decreased ($P < 0.05$).
MetS can promote the growth of prostate during the formation of central obesity and IR. IGF-1 pathway may have an important role in the induction of BPH following IR. The application of metformin can suppress the expression of IGF-1 and IGF-1R, thus preventing the promotive effect of IR on prostate tissue in animal model of MetS.

Accession Number: WOS:000428935900003

Document Type: Article

Addresses: [Xu, Congyun; Xu, Yan; Shen, Zhou; Xiao, Jun; Huang, Tao] Univ Sci & Technol China, Anhui Prov Hosp, Dept Urol, Affiliated Hosp 1, 17 Lujiang Rd, Hefei 230001, Anhui, Peoples R China.
[Zhou, Hangcheng] Univ Sci & Technol China, Anhui Prov Hosp, Dept Pathol, Affiliated Hosp 1, 17 Lujiang Rd, Hefei 230001, Anhui, Peoples R China.

Corresponding Address: Huang, T (corresponding author), Univ Sci & Technol China, Anhui Prov Hosp, Dept Urol, Affiliated Hosp 1, 17 Lujiang Rd, Hefei 230001, Anhui, Peoples R China.

E-mail Addresses: dramantony@126.com

Output Date: 2022-03-20

- ☐ Funding and Other
- ☐ Funding Information
- ☐ Publisher Information
- ☐ Open Access
- ☐ Page Count
- ☐ Source Abbrev.
- ☐ IDS Number
- ☐ Language

el

Save selections

校外访问Web of Science

一、通过PPTP VPN和OpenVPN访问

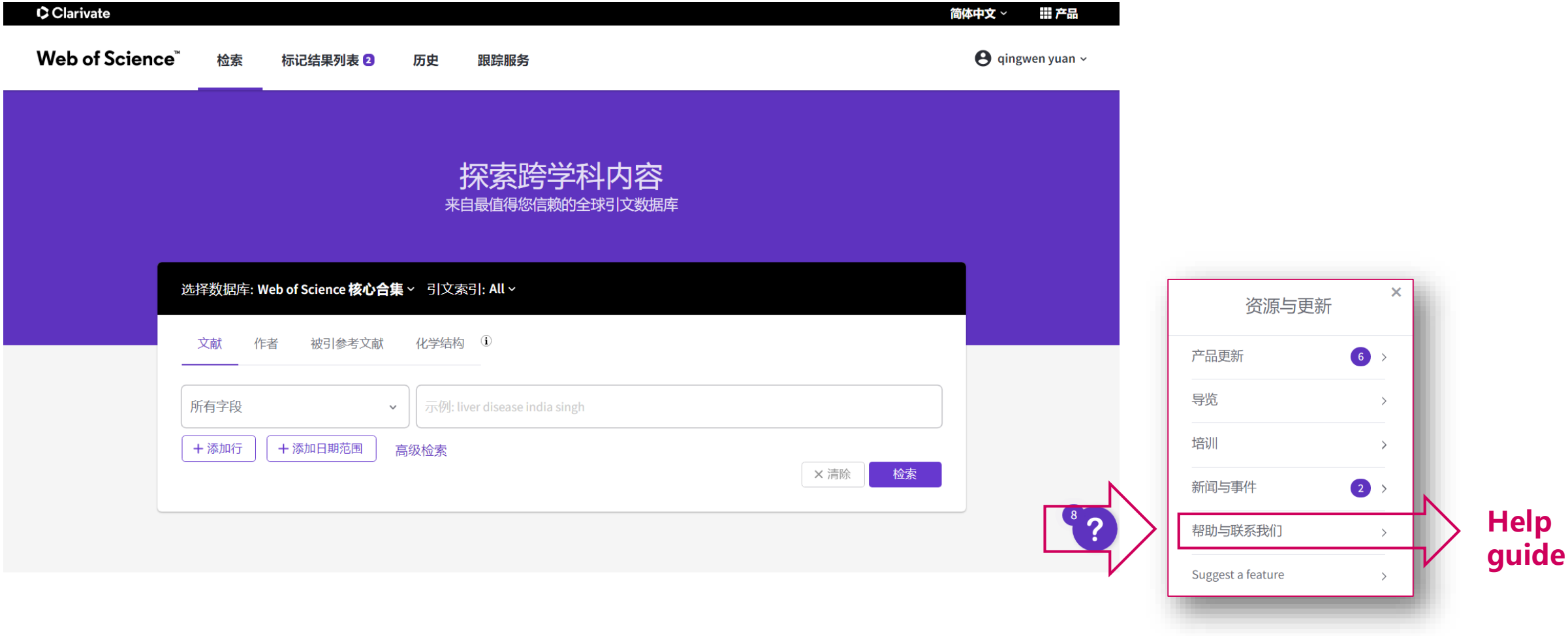
二、通过WebVPN访问(强烈推荐)

点击 http://wvpn.ustc.edu.cn， 可以通过学校统一身份认证账号访问图书馆电子数据库资源。

三、通过Shibboleth访问

databases	Shibboleth/WAYFless
SCI / SSCI	https://apps.webofknowledge.com
CPCI	https://apps.webofknowledge.com
DII	https://apps.webofknowledge.com
ESI	https://esi.clarivate.com
InCites	https://incites.clarivate.com
JCR	https://jcr.clarivate.com

帮助文档


Clarivate
简体中文
产品
Web of Science
检索
标记结果列表 2
历史
跟踪服务
qingwen yuan
探索跨学科内容
来自最值得您信赖的全球引文数据库
选择数据库: Web of Science 核心合集
引文索引: All
文献
作者
被引参考文献
化学结构
所有字段
示例: liver disease india singh
+ 添加行
+ 添加日期范围
高级检索
× 清除
检索
8
资源与更新
产品更新 6
导览
培训
新闻与事件 2
帮助与联系我们
Suggest a feature
Help guide

更多学习资源

Clarivate™

Web of Science Help

Search

- 产品更新
- 系统要求
- 注册和登录
- Web of Science 合集
  - Web of Science 核心合集
    - Web of Science 核心合集
    - 核心合集全记录详细信息
    - 地址缩写
    - Open Access
  - Arabic Citation Index
  - Biological Abstracts
  - BIOSIS Citation Index
  - BIOSIS Previews
  - CABI：CAB Abstracts 和 Global Health
  - 中国科学引文数据库
  - Current Contents Connect
  - Data Citation Index
  - Derwent Innovations Index
  - FSTA The Food Service Resource 资源帮助
  - Inspec
  - KCI - Korean Journal Database

您在此处：Web of Science 合集 > Web of Science 核心合集 > Web of Science 核心合集

切换语言-中文简体

Web of Science 核心合集概述

Web of Science 核心合集是世界领先的引文数据库。其中包含来自全球最有影响力的期刊（包括开放访问的期刊）以及会议录文献和书籍的论文记录。范围将取决于机构的订阅深度。如需 Web of Science 核心合集所涵盖期刊的完整列表，请查阅主期刊列表。

索引

Web of Science 核心合集有 10 个索引，内容包含来自数以千计的学术期刊、书籍、丛书、会议的信息。

Journal Citation Indexes

Science Citation Index Expanded™

Science Citation Index Expanded 是针对科学期刊文献的多学科索引。It includes all cited references captured from indexed articles.

出版年：1900 年至今

Some disciplines covered include:

- Agriculture
- 天文学
- Biochemistry
- Biology
- Biotechnology
- Chemistry
- 计算机科学
- 神经科学
- Oncology
- Pediatrics
- Pharmacology
- Physics
- 植物学
- Psychiatry

Web of science帮助文档：http://webofscience.help.clarivate.com/zh-cn/Content/wos-core-collection/wos-core-collection.htm

科睿唯安在线学院

科睿唯安
微信公众号

谢谢

李琛

lichen@ustc.edu.cn