



# 新版Web of Science让您的科研事半功倍

王振

解决方案专家

科睿唯安 学术研究事业部

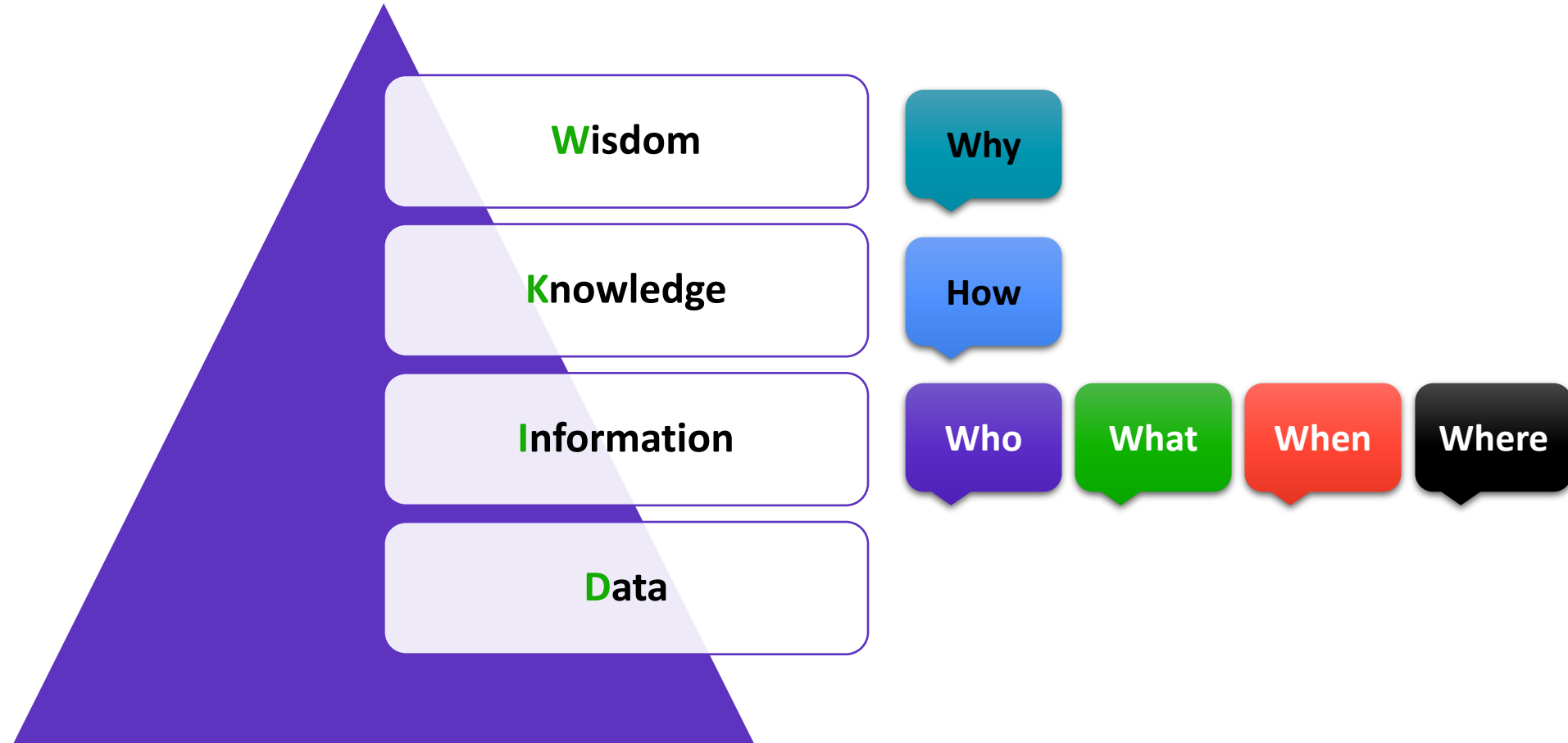
# 评审专家最关心什么？

**面对海量文献，如何充分挖掘文献价值，  
以使其更好地服务于科学研究？**

# From Data to Wisdom



罗素·艾克夫







# Web of Science

# Web of Science -全球最大规模的出版商中立引文索引和研究情报平台



**34,000+**

全平台期刊

**107,000,000+**

专利

**21,000+**

核心合集期刊

**14,000,000+**

数据集和数据研究

**2,248,000,000+**

参考文献

**1864**

最早回溯年

**193,000,000+**

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**300,000+**

会议

**19,000,000+**

附加基金数据的记录

**134,000+**

图书

# Science Citation Index Expanded™ (SCIE, 科学引文索引)

## Web of Science product collection



数学	计算机科学	园艺学	地质学
物理	自动控制	能源与燃料	工程
化学	植物学	医学	材料科学
生物	昆虫学、动物学	心理学	教育
生态学	结晶学	天文学和天体物理学	海洋学
生理学	环境科学	食品科学	光学
农业、农学	行为科学	声学	.....

9,500+  
期刊

1900  
最早回溯年

60,000,000+  
文献记录

178  
Web of Science 类别

# Social Sciences Citation Index™ (SSCI, 社会科学引文索引)

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人类学	经济学	老年医学	法律
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商业	环境研究	历史	管理学
文化研究	人类工程学	休闲、运动和旅游	护理
沟通	伦理学	工业关系与劳工问题	心理学
犯罪学和刑罚学	家庭研究	图书馆学与情报学	政治学
人口统计学	地理	国际关系	.....

3,500+  
期刊

1900  
最早回溯年

10,000,000+  
文献记录

58  
Web of Science 类别

# Arts & Humanities Citation Index®(AHCI, 艺术人文引文索引)

Web of Science product collection



考古学	文化研究	人类学	音乐
建筑学	舞蹈	语言和语言学	哲学
艺术	电影、广播、电视	文学、文学评论	诗歌
亚洲研究	民俗	文学理论和批评	宗教
古典希腊和罗马文学	历史	中世纪和文艺复兴研究	.....

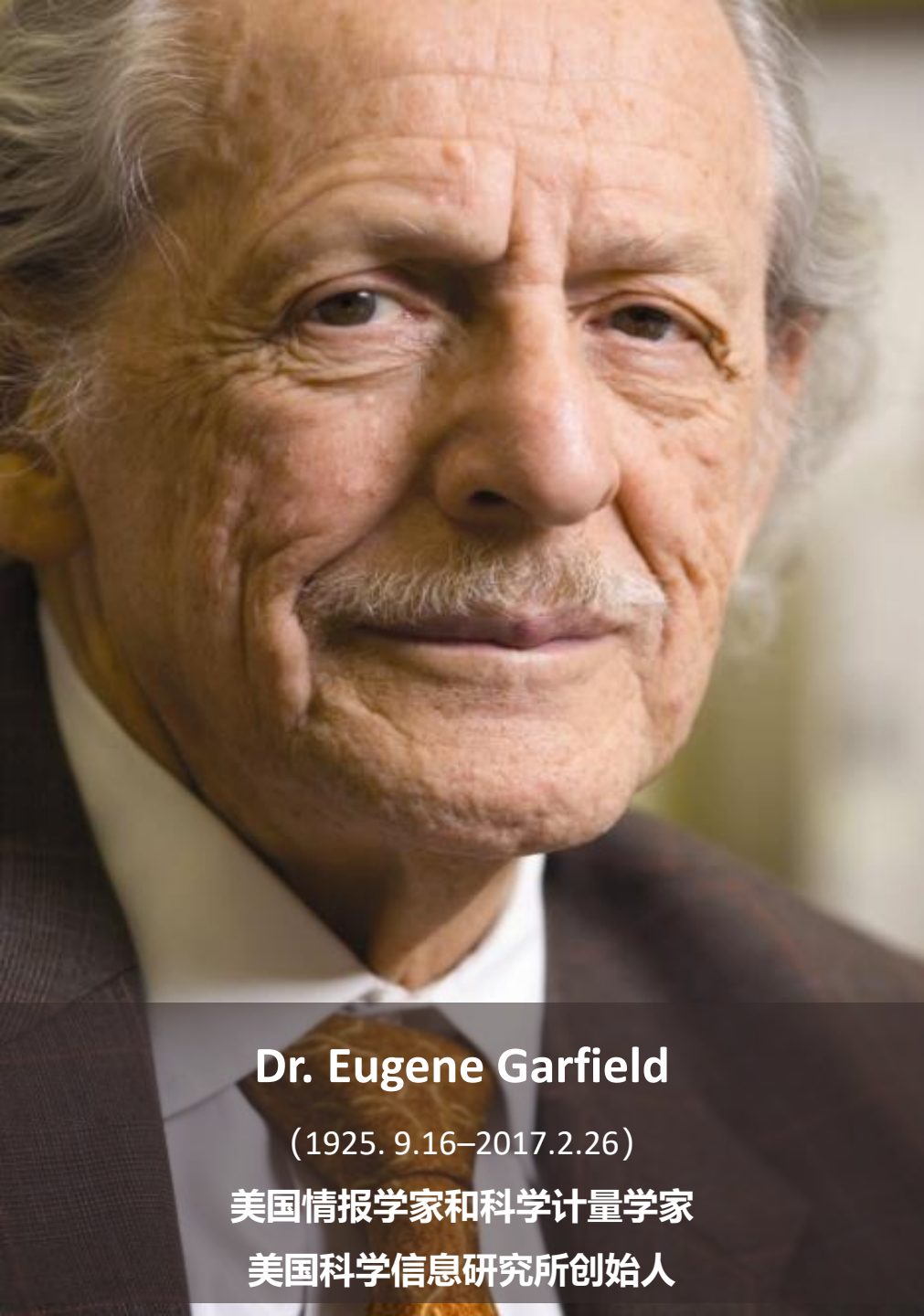
1,800+  
期刊

1975  
最早回溯年

5,000,000+  
文献记录

28  
Web of Science 类别





**Dr. Eugene Garfield**

(1925. 9.16–2017.2.26)

美国情报学家和科学计量学家

美国科学信息研究所创始人

## 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

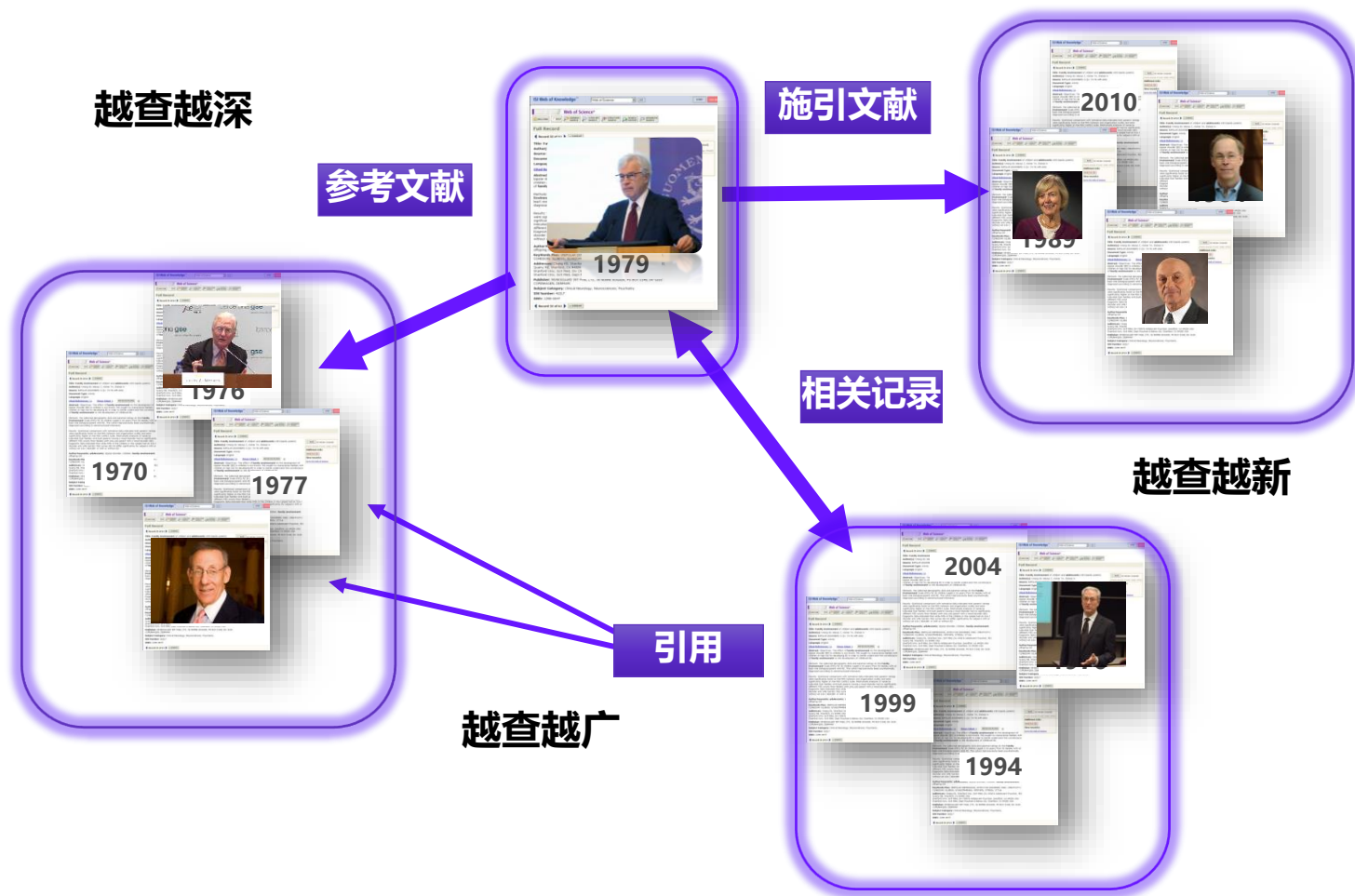
approach to subject control of the literature of science. By virtue of its different construction, it tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index, and it gives the reader as much leeway as he requires. 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

Unique  
Data  
**独特**

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。

# 引文索引 OR 关键词检索



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

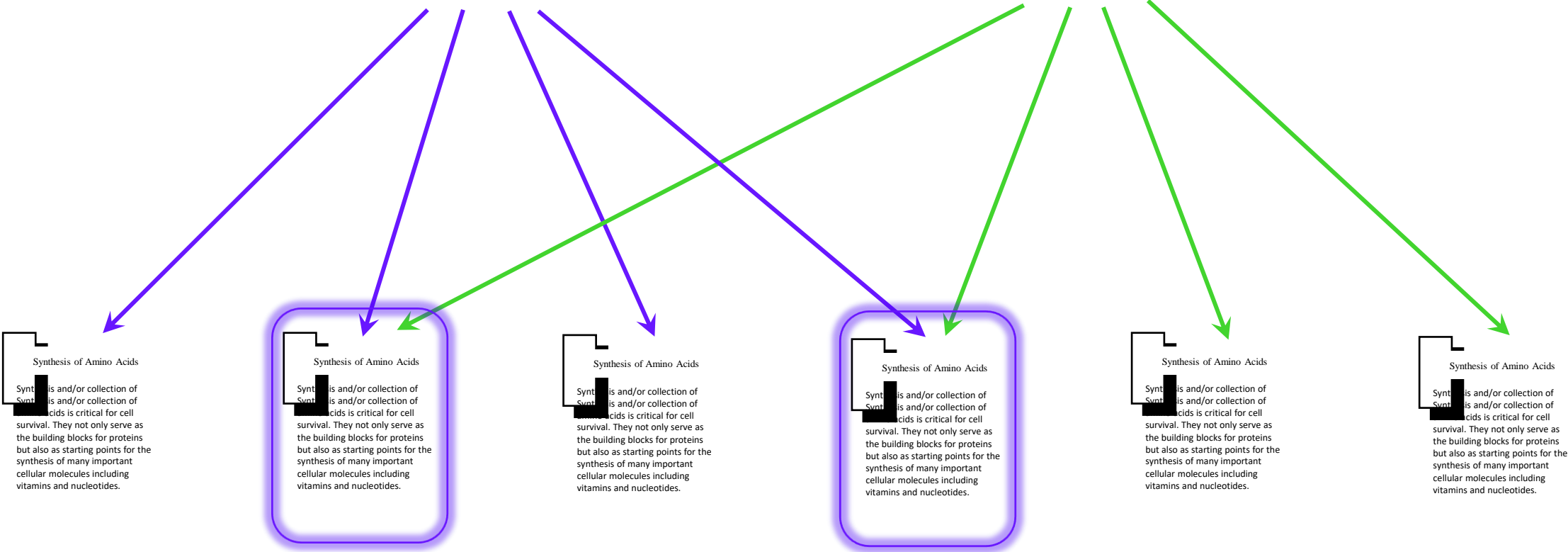
划重点：相关记录

论文甲

Synthesis of Amino Acids  
Synthesis and/or collection of Amino Acids is critical for cell survival. They not only serve as the building blocks for proteins but also as starting points for the synthesis of many important cellular molecules including vitamins and nucleotides.

论文乙

Synthesis of Amino Acids  
Synthesis and/or collection of Amino Acids is critical for cell survival. They not only serve as the building blocks for proteins but also as starting points for the synthesis of many important cellular molecules including vitamins and nucleotides.





# 如何充分发挥Web of Science平台的价值？

# 研究前沿报告



2021年12月8日，科睿唯安与中国科学院向全球联合发布了《2021研究前沿》报告，这是双方连续第八年携手发布《研究前沿》系列报告。

《2021研究前沿》报告依托于中国科学院杰出的文献分析实力，根据科睿唯安Web of Science和Essential Science Indicators（基础科学指标，简称ESI）的高质量数据，遴选出了自然科学和社会科学的 11 个大学科领域排名最前的 110个热点前沿和 61个新兴前沿。

# 2021年研究前沿报告发布现场（扫码下载研究前沿报告）



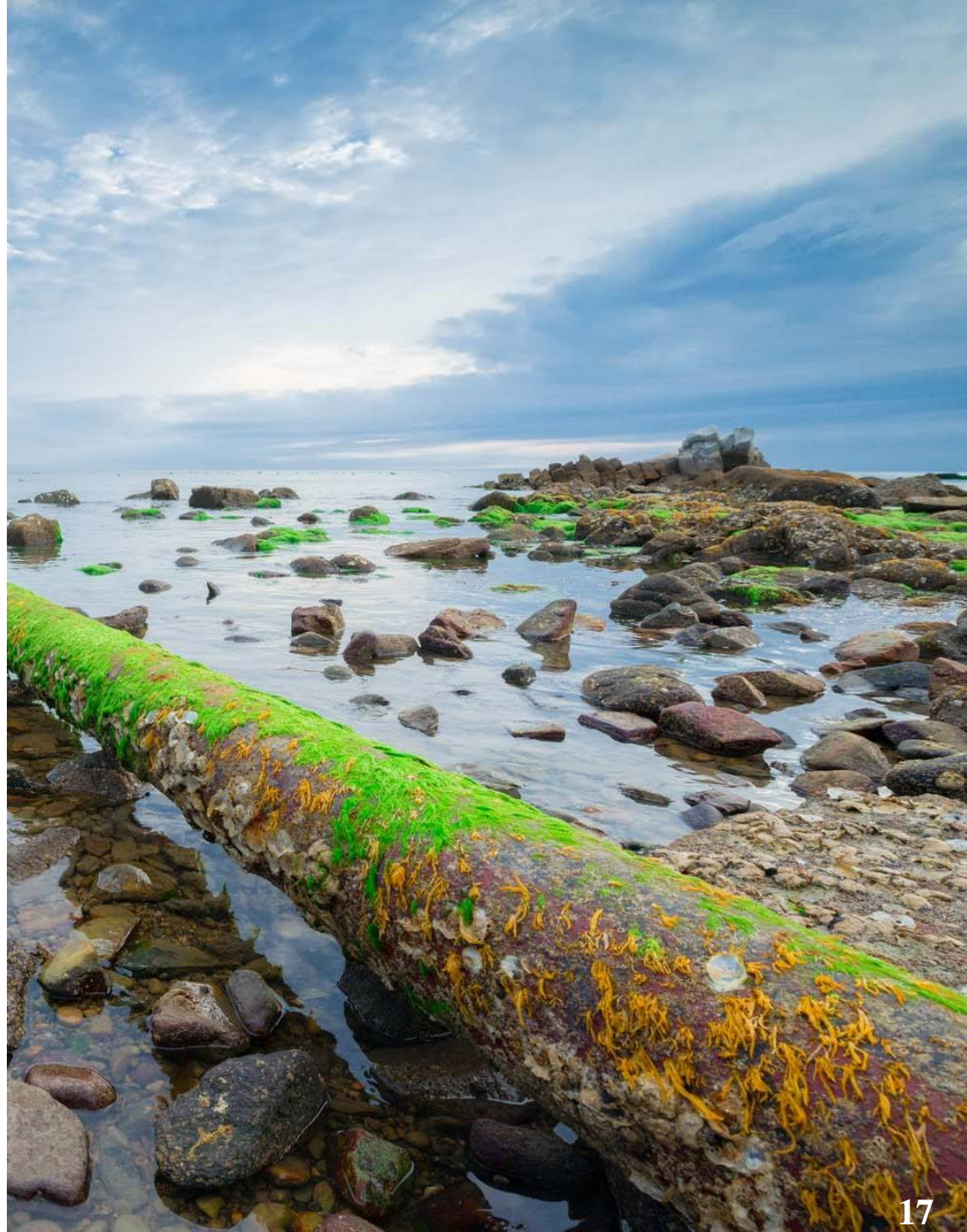


# 案例：探索进行自然水体污染防治相关研究的可行性



16

# 什么是自然水体污染防治?





# 这个领域值得研究吗?

# 确定检索式初步搜集文献

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Web of Science™

检索

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🔔

文献

研究人员

选择数据库: Web of Science 核心合集 ▾ 引文索引: Science Citation Index Expanded ▾ (SCI-EXPANDED)--1900-至今

文献

被引参考文献

化学结构

标题 ▾

((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR s) X

出版日期 ▾

1900-01-01

至

2023-01-01

+ 添加行

高级检索

× 清除

检索

**如何在检索中尽可能保证查准查全？**



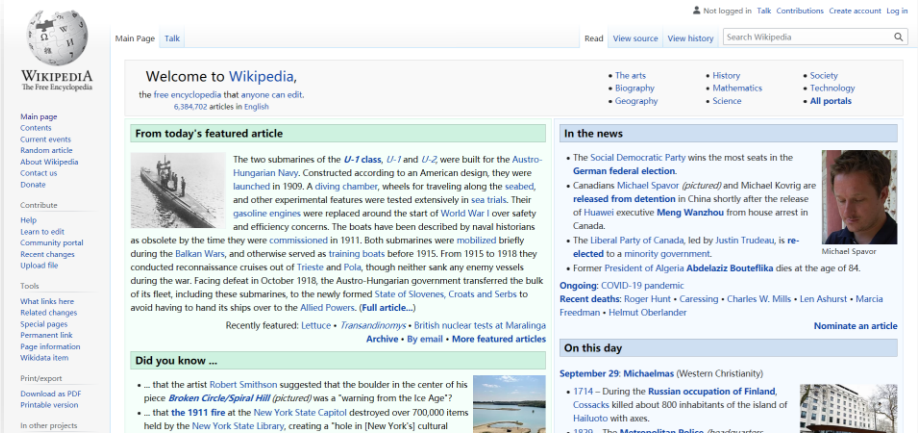
# 确定关键词



专业词汇  
词典/手  
册

术语名词  
网站





# 确定关键词

## 3. 已有的文献信息

### 石墨烯的制备、功能化及在化学中的应用

胡耀娟 金娟 张 华 吴 萍 蔡称心\*

(南京师范大学化学与环境科学学院, 江苏省生物材料重点实验室, 电化学实验室, 南京 210097)

**摘要:** 石墨烯是最近发现的一种具有二维平面结构的碳纳米材料, 它的特殊单原子层结构使其具有许多独特的物理化学性质. 有关石墨烯的基础和应用研究已成为当前的前沿和热点课题之一. 本文就目前石墨烯的制备方法、功能化方法以及在化学领域中的应用作一综述, 重点阐述石墨烯应用于化学修饰电极、化学电源、催化剂和药物载体以及气体传感器等方面的研究进展, 并对石墨烯在相关领域的应用前景作了展望.

**关键词:** 石墨烯; 碳材料; 石墨烯氧化物; 石墨烯功能化; 石墨烯应用

**中图分类号:** O646

### Graphene: Synthesis, Functionalization and Applications in Chemistry

## 1 制备 — synthesis

**Abstract:** Graphene, a recently discovered carbon nanomaterial with carbon atoms tightly packed into a two dimensional honeycomb lattice, possesses many novel and unique physical and chemical properties because of its unusual monolayer atomic structure. Graphene has received a great deal of attention in fundamental and applied research. This review presents the current status of graphene synthesis, functionalization, and applications in chemistry. Specifically, the use of graphene for the fabrication of chemically modified electrodes, the preparation of chemical power sources, catalyst and medicinal matrices, and in gas sensors are summarized. Finally, further applications based on graphene are briefly introduced.

**Key Words:** Graphene; Carbon material; Graphene oxide; Functionalization of graphene; Application of graphene

## 多篇文献综合!

### 石墨烯的制备与表征

Preparation and Characterization of Graphene

## 2 制备 — preparation

### 金属衬底上石墨烯生长机理研究进展

Progress in studies of graphene growth mechanism on transition-metal surfaces

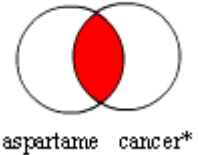

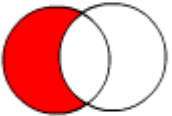
## 3 生长 — growth

.....

.....

# 文献检索 查准查全

## 布尔逻辑运算符

<p><b>AND</b></p>  <p>aspartame cancer*</p>	<p>检索包含所有关键字的数据。</p> <p>标题: “stem cell*” AND lymphoma</p> <p>检索含有“stem cell”或者“stem cells”同时含有及词语 “lymphoma”。 等效于检索“stem cell*” lymphoma</p>
<p><b>OR</b></p>  <p>saccharine sweetener* aspartame</p>	<p>检索的数据中至少含有一个所给关键字。用语检索同义词或者词的不同表达方式</p> <p>标题: aspartame OR saccharine OR sweetener*</p> <p>检索至少含有一个关键字的数据。</p>
<p><b>NOT</b></p>  <p>aids hearing</p>	<p>排除含有某一特定关键字的数据</p> <p>标题: aids NOT hearing</p> <p>检索含有“aids”的数据，排除含有“hearing”的文献。</p>

# 文献检索

## 查准查全

### 通配符

符号	意义
*	<b>零个或多个字符</b> gene* gene, genetics, generation
\$	<b>零或一个字符</b> colo\$r color, colour
?	<b>只代表一个字符</b> en?oblast entoblast, endoblast

# 文献检索 查准查全

## 位置限定运算符

### SAME

在“地址”检索中，使用 SAME 将检索限制为出现在“全记录”同一地址中的检索词。

范例：AD=((Tsinghua univ) SAME (key lab\*)) 查找在记录“地址”字段中存在Tsinghua univ和key lab\*的记录。

### NEAR/x

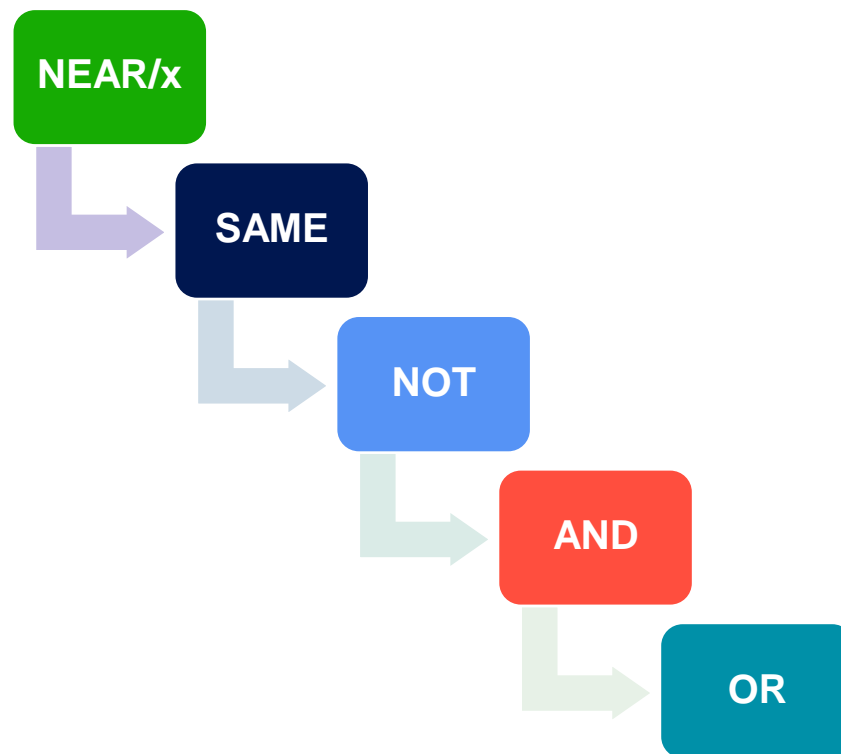
使用 NEAR/x 可查找由该运算符连接的检索词之间相隔指定数量的单词的记录。

用数字取代 x 可指定将检索词分开的最大单词数。

范例：salmon NEAR virus  
salmon NEAR/15 virus

## 检索运算符优先顺序

1. 如果在检索式中使用不同的运算符，会根据下面的优先顺序处理检索式：



2. 使用括号可以改写运算符优先级。

## 隐含的 AND 运算符

在大多数字段输入两个或两个以上相邻的检索词时，Web of Science 检索会使用隐含的 AND 运算符。例如，在**所有字段**检索中输入 **rainbow trout fish farm** 与输入 **rainbow AND trout AND fish AND farm** 等效；这两条检索式将返回相同数量的结果。

中文和韩文检索与此不同，它们不会使用隐含 AND 逻辑。

以下检索式效果不相同：

- **标题: (海洋 地震)** 将返回标题中带有相邻的“海洋”和“地震”的记录。
- **标题: (海洋 AND 地震)** 则会返回标题中同时带有“海洋”和“地震”的记录。但这两个词不一定相邻。

# 文献检索 查准查全

## 使用引号

使用引号可以查找精确匹配的短语，还可以关闭词形还原和产品的内部同义字查找功能。例如：

- "soil drainage" 查找 soil drainage，但不查找 drainage of soil。
- "mouse" 查找 mouse，但不查找 mice。
- "color" 查找 color，但不查找 colour。



# 更多检索规则，请访问：

Clarivate™

Web of Science Help

产品更新

系统要求

注册和登录

Web of Science 合集

检索 Web of Science

检索工具

检索规则

不同拼写形式

检索运算符

检索结果

引文报告

保存的检索和跟踪

Open Access

培训和支持

Search

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您在此处：检索工具 > 检索规则

检索规则

When searching the Web of Science, understanding the search

Web of Science supports searching Boolean and proximity search single query.

The only exception to this applies when performing an All Fields limited to 49 Boolean or proximity operators.

+ 词形还原和词干

+ 使用引号

+ 不同拼写形式


+ 通配符

+ 左右截词符

+ 右截词符和内部截词符

+ 左截词符

🌐 ↶ ↷ 🖨 ☰



operators used in a

lds a search query is

Clarivate™

29

Web of Science™

检索

检索结果: 8419

8,419 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

检索 > ((water OR river OR lake OR... > ((water OR r... tier OR oc...

Q ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR sludge OR mud OR muck OR Sewage OR wastew...

分析检索结果

引文报告

创建跟踪服务

复制检索式链接

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出版物

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在结果中检索...

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快速过滤

高被引论文

121

热点论文

6

综述论文

809

在线发表

90

0/8,419

添加到标记结果列表

导出

排序方式: 被引频次: 最高优先

1 / 169

1

Science and technology for water purification in the coming decades

Shannon, MA; Bohn, PW; (...); Mayes, AM

Mar 20 2008 | NATURE 452 (7185) , pp.301-310

One of the most pervasive problems afflicting people throughout the world is inadequate access to clean water and sanitation. Problems with water are expected to grow worse in the coming decades, with water scarcity occurring globally, even in regions currently considered water- rich. Addressing these problems calls out for a tremendous amount of research to be conducted to identify robust new ... 显示更多

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5,790

被引频次

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参考文献

相关记录

检索 > ((water OR river OR lake OR... > ((water OR river OR lake OR... > 引文报告: ((water OR river OR lake OR stream OR brook OR reservoir OR gla...

### 引文报告

Q ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR sludge OR mud OR muck OR Sewage OR wastewater OR effluent...

分析检索结果

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合计

来自 1900 至 2022

施引文献

159,402

分析合计

156,803

分析去除自引

被引频次

207,595

合计

201,668

去除自引

24.66

篇均被引频次

166

h-index

被引频次总计: 207,595

篇均被引频次: 24.66

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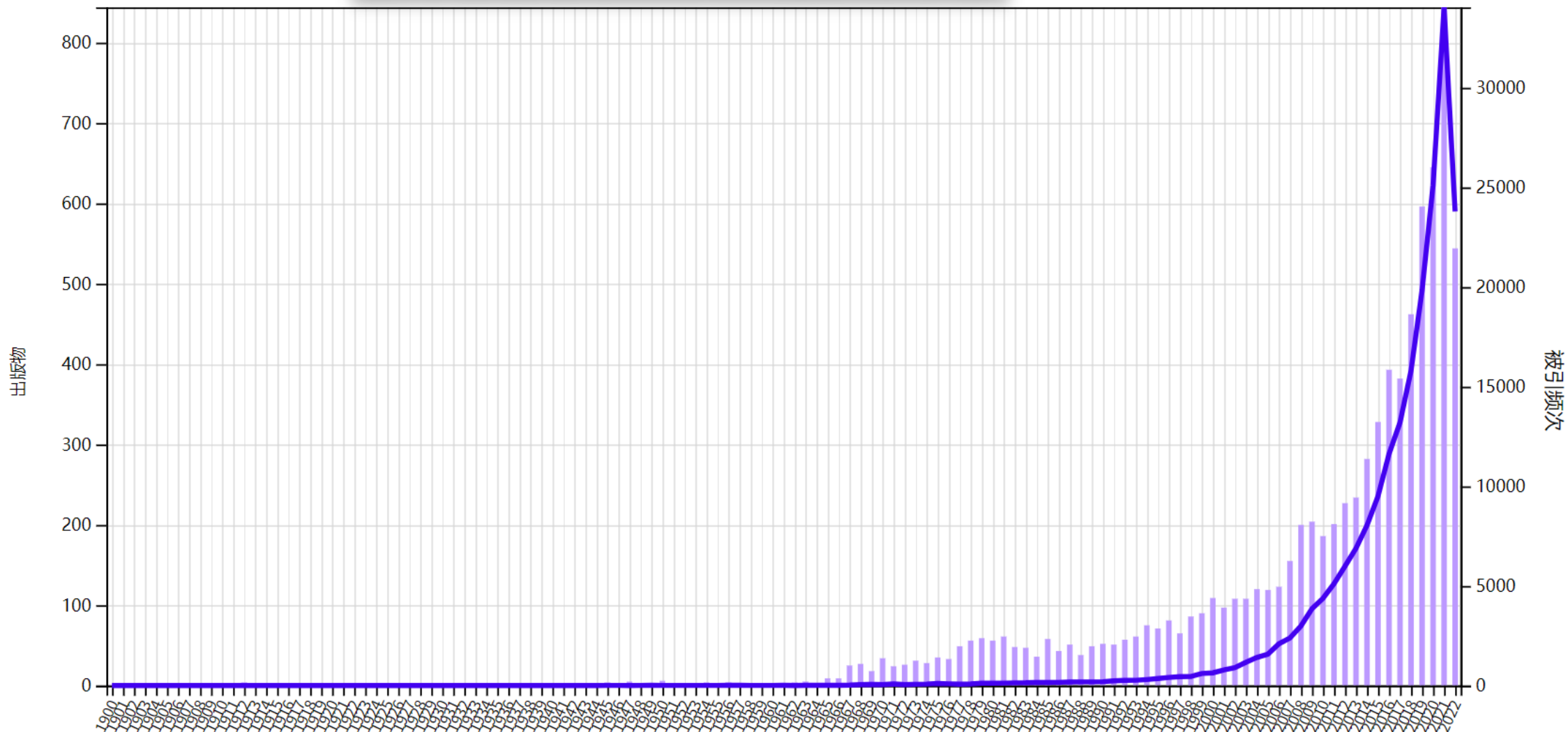
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检索 > ((water OR river OR lake OR... > ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR oc...

8,419 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

🔍 ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR sludge OR mud OR muck OR Sewage OR wastew...

🔗 复制检索式链接

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809

☐ ⌚ 在线发表

90

☐ 0/8,419

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排序方式: 被引频次: 最高优先 < 1 / 169 >

☐ 1

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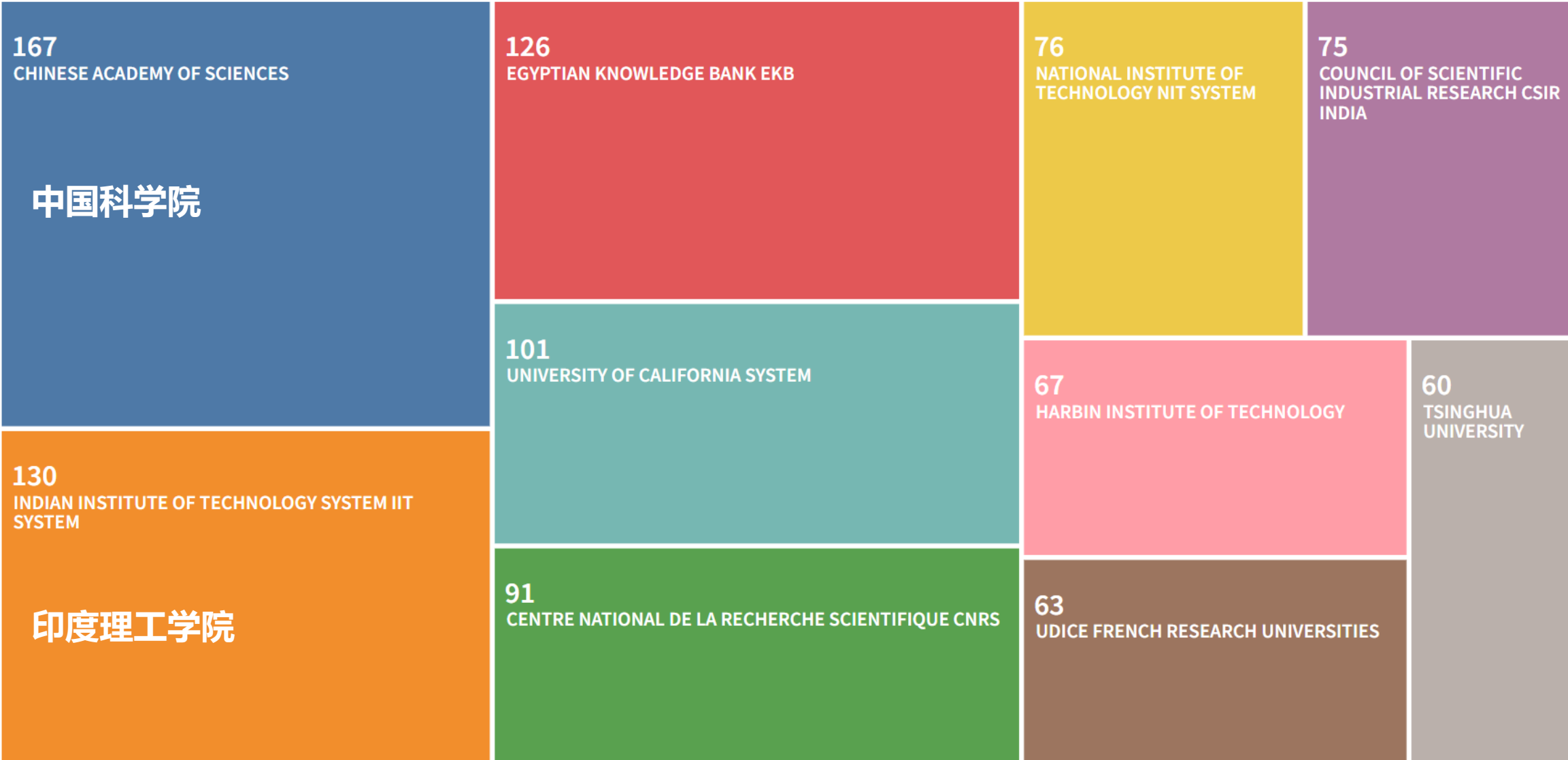
5,790 被引频次

98 参考文献

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- 👤
- 🔔



## 课题研究的可行性





初步结论：

# 自然水体污染防治相关研究

靠谱！



那么问题来了

自然水体污染防治相关领域

已经做了哪些研究，进展如何？

# 看综述 (REVIEW) !

```
#selection at the end --add back the deselected mirror modifier object
mirror_ob.select=1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
```

>|  
菜单



检索 > ((water OR river OR lake OR... > ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR oc...

8,419 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

Q ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR sludge OR mud OR muck OR Sewage OR wastew...

分析检索结果 引文报告 创建跟踪服务

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- ☒ 综述论文
- ☐ 在线发表

综述论文

0/8,419 添加到标记结果列表 导出 排序方式: 被引频次: 最高优先 1 / 169

☐ 1 Science and technology for water purification in the coming decades

Shannon, MA; Bohn, PW; (...); Mayes, AM

Mar 20 2008 | NATURE 452 (7185) , pp.301-310

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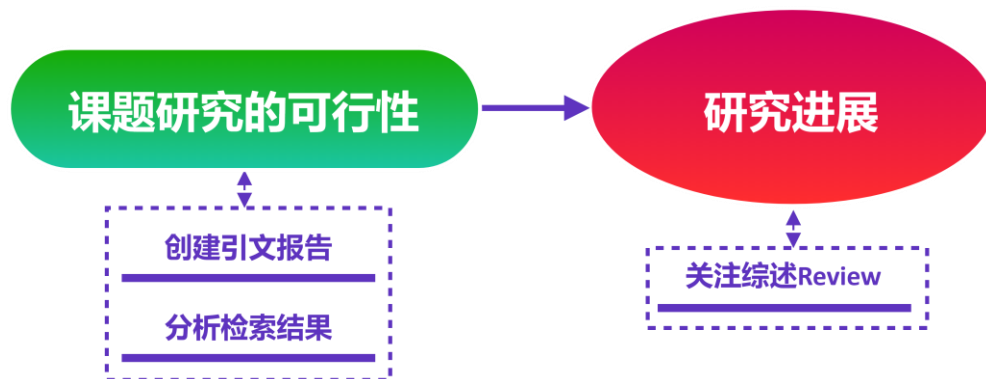
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mirror_ob.select=1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
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[Tong, H; Quyang, SX; \(...\); Ye, JH](#)

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1972 | NATURE 238 (5358) , pp.37-+

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Bodzek, M and Rajca, M

2012 | ECOLOGICAL CHEMISTRY AND ENGINEERING S-CHEMIA I INZYNIERIA EKOLOGICZNA S 19 (4) , pp.489-512

Photocatalysis process belongs to an advanced oxidation technology for the removal of persistent organic compounds and microorganisms from water. It is the technology with a great potential, a low-cost, environmental friendly and sustainable treatment technology to align with the "zero" waste scheme in the water/wastewater industry. At present, the main technical barriers that impede its full c ... 显示更多

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[Zhai, WL](#); [He, FL](#); (...); [Song, JY](#)

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One of the most pervasive problems afflicting people throughout the world is inadequate access to clean water and sanitation. Problems with water are expected to grow worse in the coming decades, with water scarcity occurring globally, even in regions currently considered water- rich. Addressing these problems calls out for a tremendous amount of research to be conducted to identify robust new ... 显示更多

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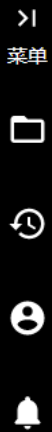
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Hydrodynamic and acoustic cavitation combined with advanced oxidation processes (AOPs), including, among others, the Fenton process, is a promising alternative to the technologies of wastewater treatment technologies in use today. The present review discusses processes based on cavitation combined with AOPs and evaluates their effectiveness in oxidation of organic contaminants. Complete degrada ... 显示更多

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Robinson, T; McMullan, G; (...); Nigam, P  
May 2001 | BIORESOURCE TECHNOLOGY 77 (3) , pp.247-255

The control of water pollution has become of increasing importance in recent years. The release of dyes into the environment constitutes only a small proportion of water pollution, but dyes are visible in small quantities due to their brilliance. Tightening government legislation is forcing textile industries to treat their waste effluent to an increasingly high standard. Currently, removal of ... 显示更多

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Kurniawan, TA; Chan, GYS; (...); Babel, S  
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This article reviews the technical applicability of various physico-chemical treatments for the removal of heavy metals such as Cd(II), Cr(III), Cr(VI), Cu(II), Ni(II) and Zn(II) from contaminated wastewater. A particular focus is given to chemical precipitation, coagulation-flocculation, flotation, ion exchange and membrane filtration. Their advantages and limitations in application are evalua ... 显示更多

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[Holkar, CR; Jadhav, AJ; \(...\); Pandit, AB](#)

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作者: Chong, MN (Chong, Meng Nan) [1], [2]; Jin, B (Jin, Bo) [1], [2], [3]; Chow, CWK (Chow, Christopher W. K.) [3]; Saint, C (Saint, Chris) [3]

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In recent years, semiconductor photocatalytic process has shown a great potential as a low-cost, environmental friendly and sustainable treatment technology to align with the "zero" waste scheme in the water/wastewater industry. The ability of this advanced oxidation technology has been widely demonstrated to remove persistent organic compounds and microorganisms in water. At present, the main technical barriers that impede its commercialisation remained on the post-recovery of the catalyst particles after water treatment.

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This paper reviews the recent R&D progresses of engineered-photocatalysts, photoreactor systems, and the process optimizations and modellings of the photooxidation processes for water treatment. A number of potential and commercial photocatalytic reactor configurations are discussed, in particular the photocatalytic membrane

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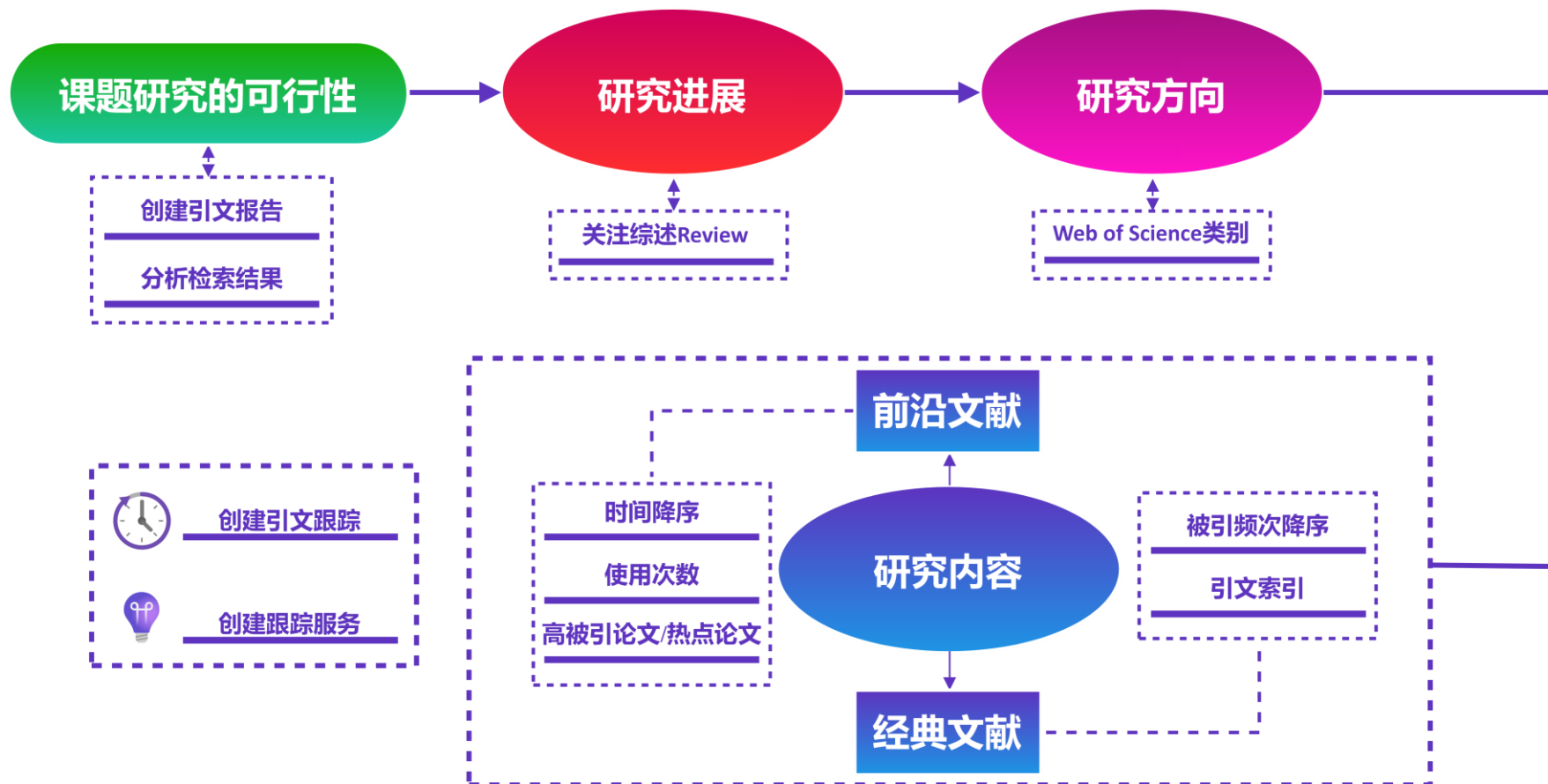
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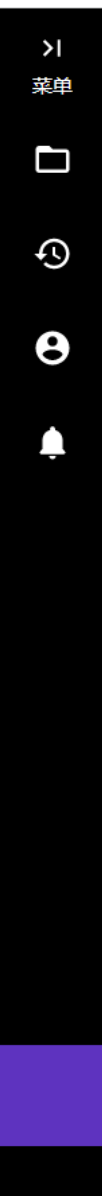
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### 摘要

Fava bean peels, *Vicia faba* (FBP) are investigated as biosorbents for the removal of Methylene Blue (MB) dye from aqueous solutions through a novel and efficient sorption process utilizing ultrasonic-assisted (US) shaking. Ultrasonication remarkably enhanced sorption rate relative to conventional (CV) shaking, while maintaining the same sorption capacity. Ultrasonic sorption rate amounted to four times higher than its conventional counterpart at 3.6mg/L initial dye concentration, 5g/L adsorbent dose, and pH 5.8. Under the same adsorbent dose and pH conditions, percent removal ranged between 70-80% at the low dye concentration range (3.6-25mg/L) and reached about 90% at 50mg/L of the initial dye concentration. According to the Langmuir model, maximum sorption capacity was estimated to be 140mg/g. A multiple linear regression statistical model revealed that adsorption was significantly affected by initial concentration, adsorbent dose and time. FBP could be successfully utilized as a low-cost adsorbent for the removal of MB from wastewater via US biosorption as an alternative to CV sorption. US biosorption yields the same sorption capacities as CV with significant reduction in operational times.

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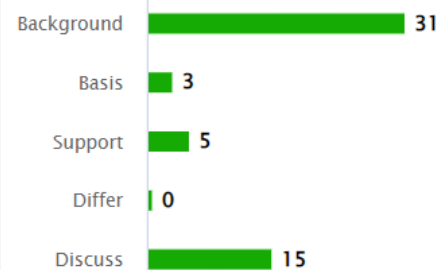
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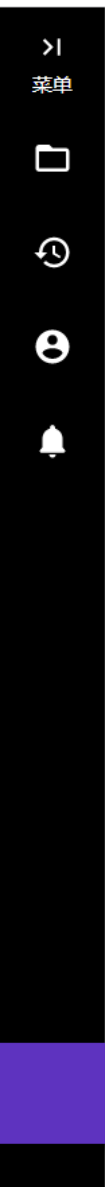
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## 作者信息

通讯作者地址: El-Sayed, Mayyada M. H. (通讯作者)

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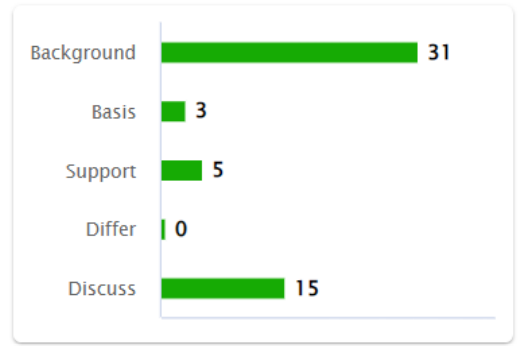
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wastewater effluent with advanced  
wastewater treatment technologies



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## 全世界的科研人员都在使用

原以为,用doi号再进行上网检索,已经是找文献最快捷的方法,直到用kopernio,终于告别逐个数据库查文献,一篇篇文章找doi,再继续上网寻找全文的时代。再也不怕谷歌学术登不进,百度学术资料不齐。一键kopernio,外文文献,瞬间触手可及

— 莫止霞 深圳大学 传播学院



# 划重点：EndNote Click（一键获取全文）

Clarivate

简体中文 ▾ 产品

Web of Science™ 检索

> 菜单

文献 研究人员

选择数据库: Web of Science 核心合集 ▾ 引文索引: Science Citation Index Expanded ▾ (SCI-EXPANDED)--1900-至今

文献 被引参考文献 化学结构

标题 ▾ 示例: water consum\* ((water OR river OR lake OR stream OR brook OR reservoir OR glacier OR ocean OR sea OR s ✕)

出版日期 ▾ 1900-01-01 至 2023-01-01

+ 添加行 高级检索

✕ 清除 检索

EndNote Click

Web of Science

Master Journal List

使用情况报告

InCites Benchmarking & Analytics

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Reference Manager

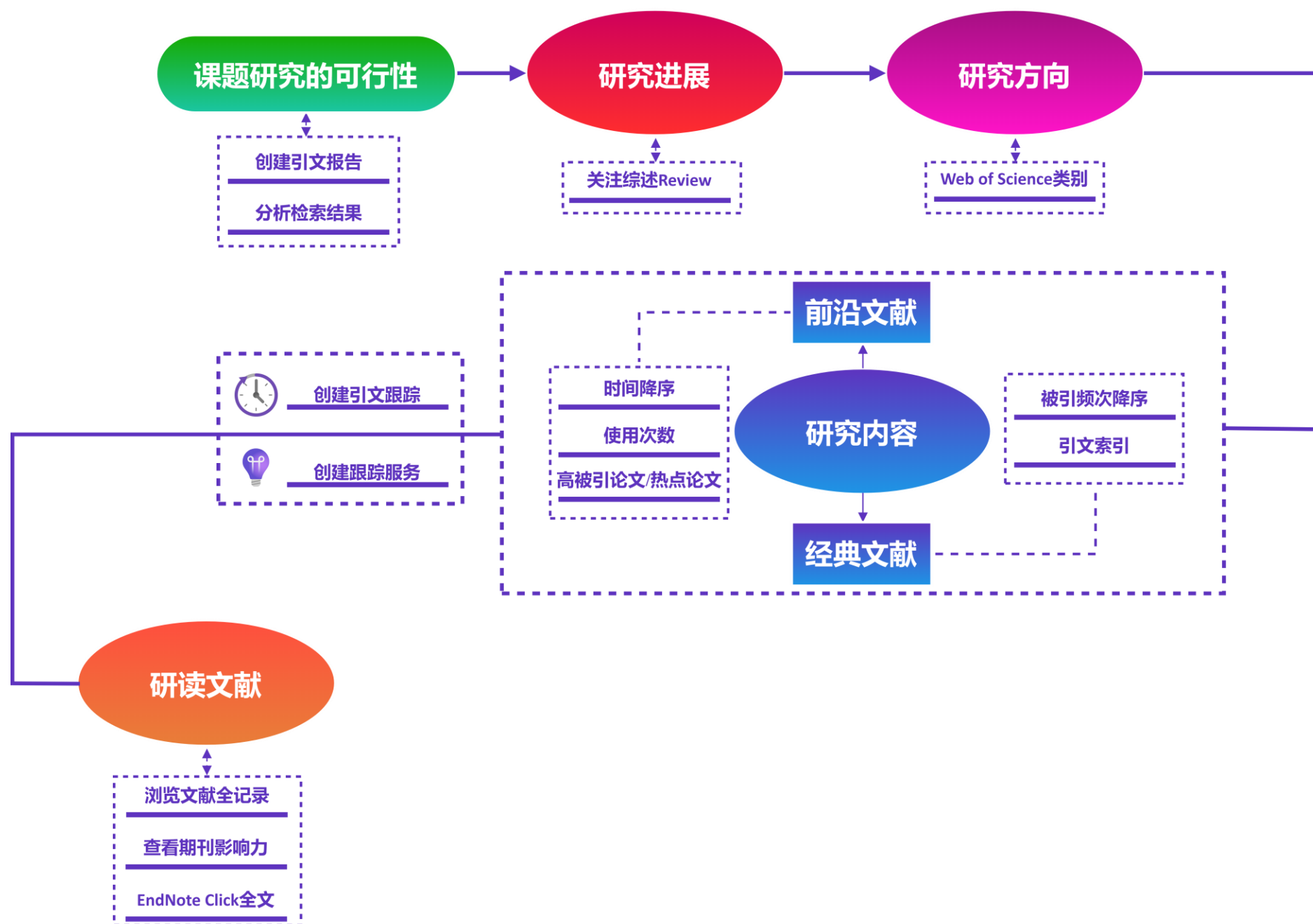
EndNote

EndNote Click

https://kopernio.com

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- 作者E-mail联系或作者主页
- 开放获取（OA）





# 文献太多，有点抓狂？

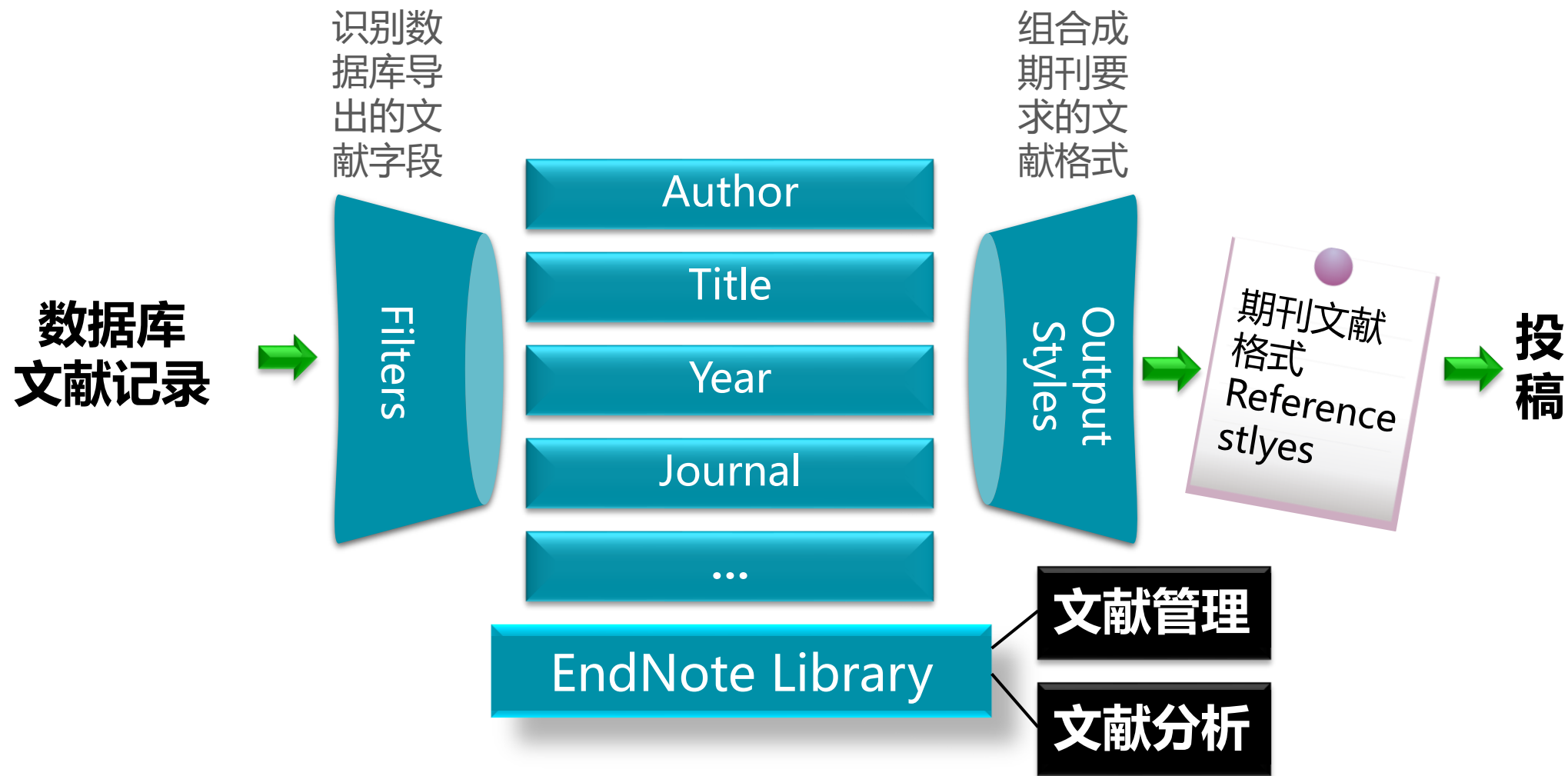
```
#selection at the end --add back the deselected mirror modifier object
mirror_ob.select=1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
```

# 文献管理神器

## EndNote 了解一下!

```
#selection at the end --add back the deselected mirror modifier object
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
```

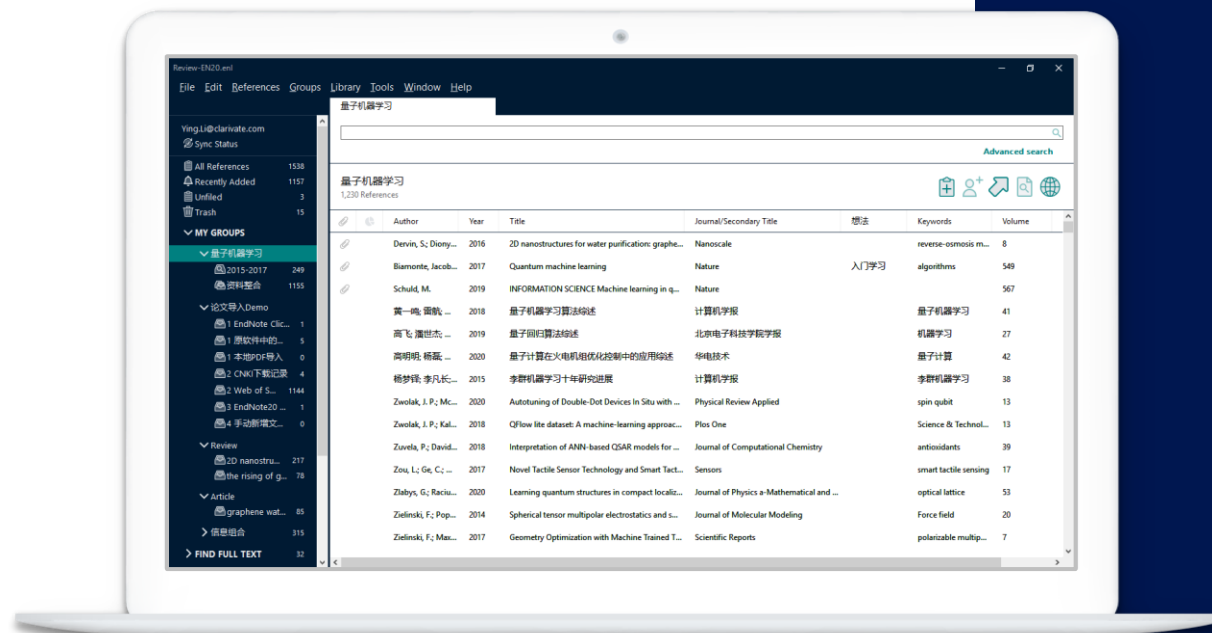
# EndNote™20 的工作流



# 1. 文献导入

# EndNote™ 20的文献导入

收集文献信息的多种方式



## □ PDF文件如何导入？

PDF文件的快速导入

以文件夹形式导入（手动导入+自动导入）

## □ 一键下载PDF并导入——EndNote Click (Kopernio)

## □ 已经整理好的文献资料，可以导入吗？

其他管理软件的文献资料转换导入（RIS格式文件导入）

## □ 使用数据库检索论文的时候，批量文献信息如何导入？

直接导入——Web of Science平台

转换导入——知网及更多平台（Import Files）

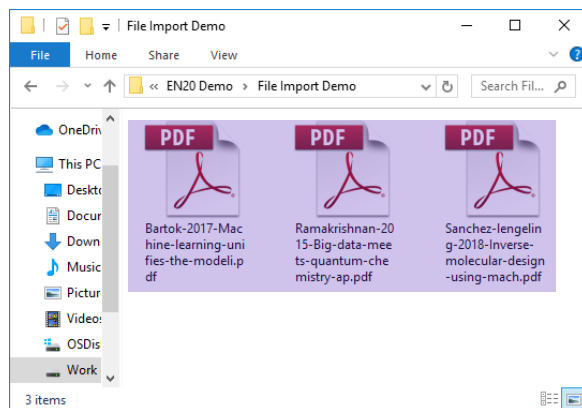
## □ EndNote在线检索并导入

## □ 手动新增文献记录



# ■ PDF文件如何导入?

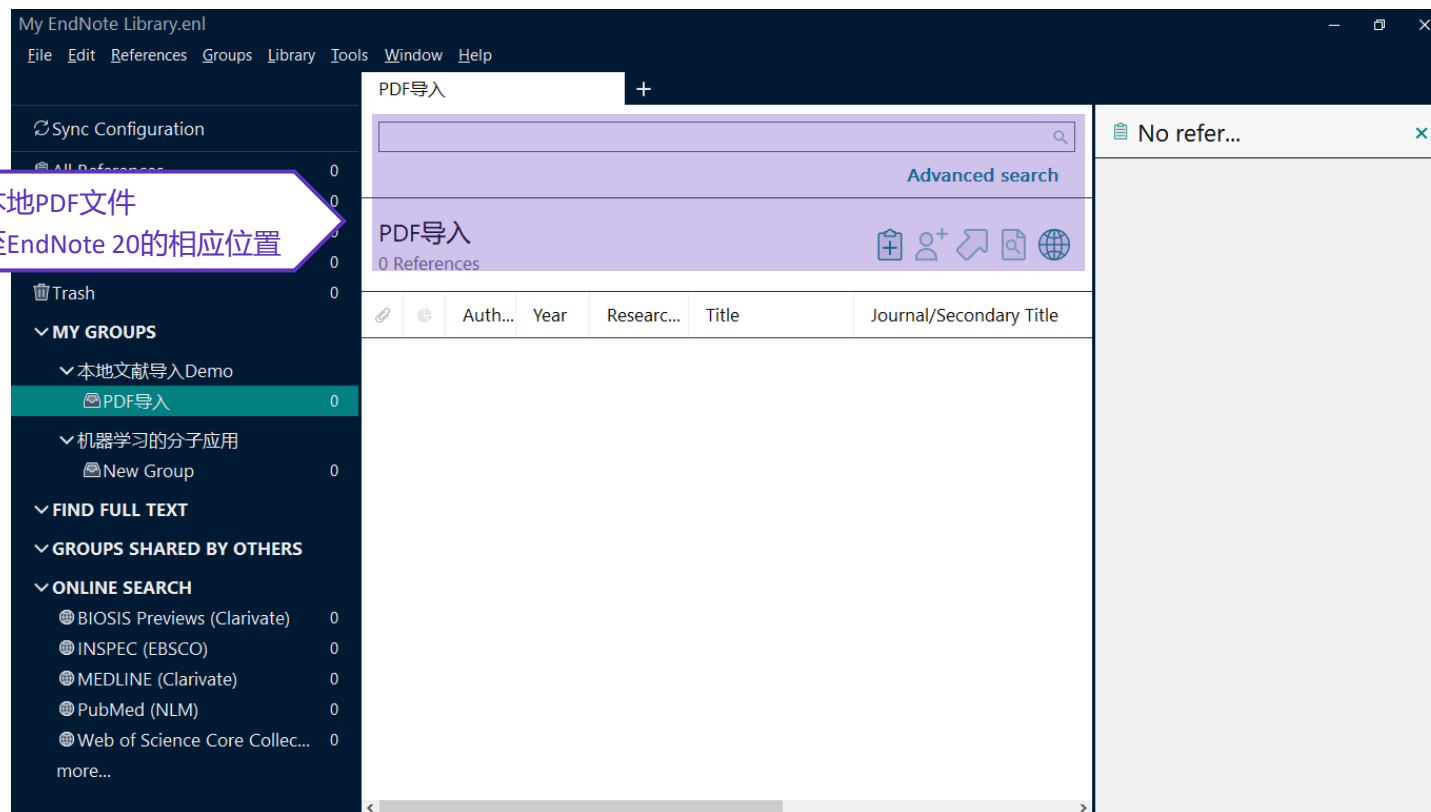
PDF文件的快速导入



PDF常用导入途径:

EndNote 20菜单栏File → Import → File

- 选中本地PDF文件
- 拖拽至EndNote 20的相应位置



## ■ 使用数据库检索论文的时候，批量文献信息如何导入？

## 直接导入——Web of Science平台

Web of Science™

检索

标记结果列表

历史

跟踪服务

qingwen yuan

检索 > 检索结果 > 检索结果

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

Q High-entropy alloys (主题)

分析检索结果

引文报告

创建跟踪服务

精炼依据: 高被引论文 全部清除

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

开放获取

出版年

2021

2020

2019

2018

2017

全部查看

2/132

添加到标记结果

EndNote Online

EndNote Desktop

添加到我的 Publons 个人信息

Outstanding tensile strength room and cryogenic FeCoNiCrTi0.2 high-entropy alloy was fabricated, and its structure evolution was investigated

Phase stability in high-entropy alloys

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EndNote Desktop

将记录导出至 EndNote Desktop

记录选项

您已选择 2 条检索结果进行导出

页面上的所有记录

记录: 1 至 1000

一次不能超过 1000 条记录

记录内容:

作者、标题、来源出版物

导出

取消

# ■ EndNote™20的在线检索并导入

Online Search在线检索 EndNote提供了6000多个在线资源数据库！

设定  
检索条件

选择  
在线检索源

The screenshot shows the EndNote 20 interface. On the left, the 'MY GROUPS' sidebar is visible. A purple circle highlights the 'Web of Science Core Collection' option under the 'ONLINE SEARCH' section. Another purple circle highlights the 'Search' button in the 'Web of Science Core Collection' search panel. The search results table shows several entries, with the first one selected. The right pane displays the details of the selected article: 'Controlling an organic synthesis robot with machine learning to search for new reactivity' by J. M. Granda et al., published in Nature in 2018.

Rating	Author	Year	Title	Journal/Source
5	Zhang, Y.; ...	2019	Machine learning in electroni...	Nature
5	Schuld, M.	2019	INFORMATION SCIENCE Mac...	Nature
5	Havlicek, V...	2019	Supervised learning with qua...	Nature
5	Granda, J. ...	2018	Controlling an organic synthe...	Nature
	Mott, A.; J...	2017	Solving a Higgs optimization ...	Nature
	Biamonte, ...	2017	Quantum machine learning	Nature

1) 选心仪的文献

2) 点击右上角“+”快捷键

快速添加至本地文献组 (Groups)

⇒ 更多在线检索数据库选择

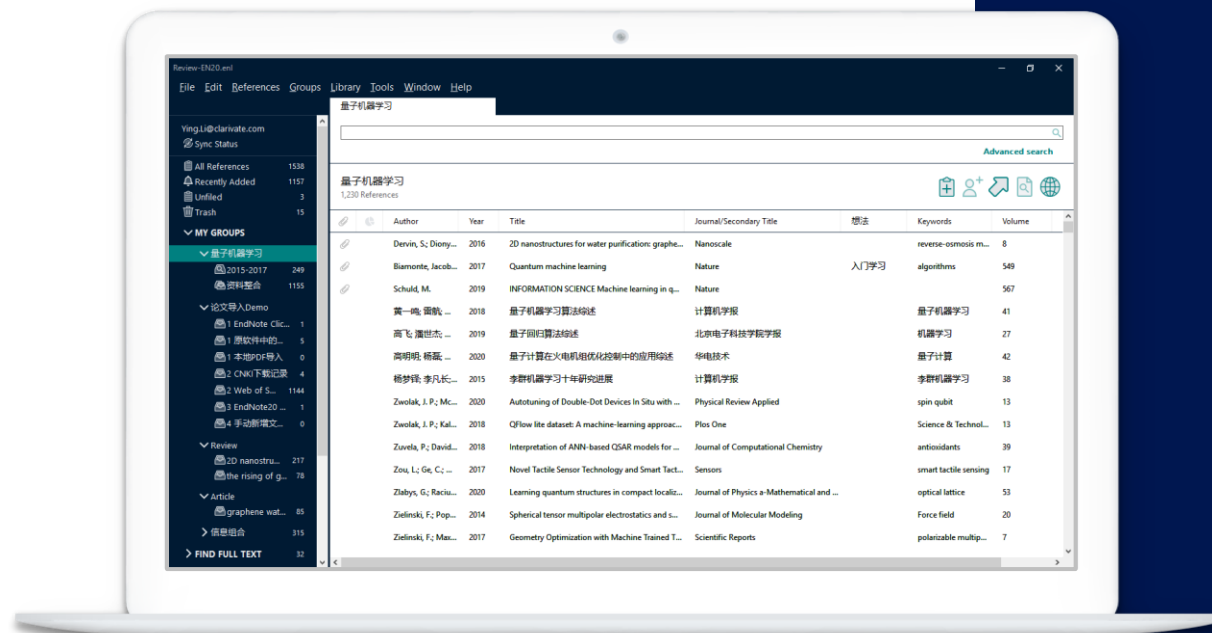
方法1: 点击more...

方法2: Tools → Connection Files

## 2. 文献管理

# EndNote™ 20的文献管理

## 整理文献信息的功能介绍



### □ 文献分组

Create Groups

Create Smart Groups

Create from Groups

### □ 文献去重

### □ 查找全文



## ■ 文献的分组



- 支持多达5000个Group Sets
- 支持多达5000个Groups



□ Create Groups

□ Create Smart Groups

□ Create from Groups

- ✓ 把目标文献添加到组（直接拖动或右键添加）
- ✓ 所有组按照字母顺序进行排序

- ✓ 按照设置条件自动挑选符合条件的记录
- ✓ 在有新记录收入时自动将符合条件的记录放入Smart Group

- ✓ 将已经设置好的组用AND, OR 和NOT进行组与组之间的匹配  
如寻找组与组之间的交集或并集等

增加新文献时  
组内自动更新

EndNote 20 - My EndNote Library.enl

File Edit References **Groups** Library Tools Window Help

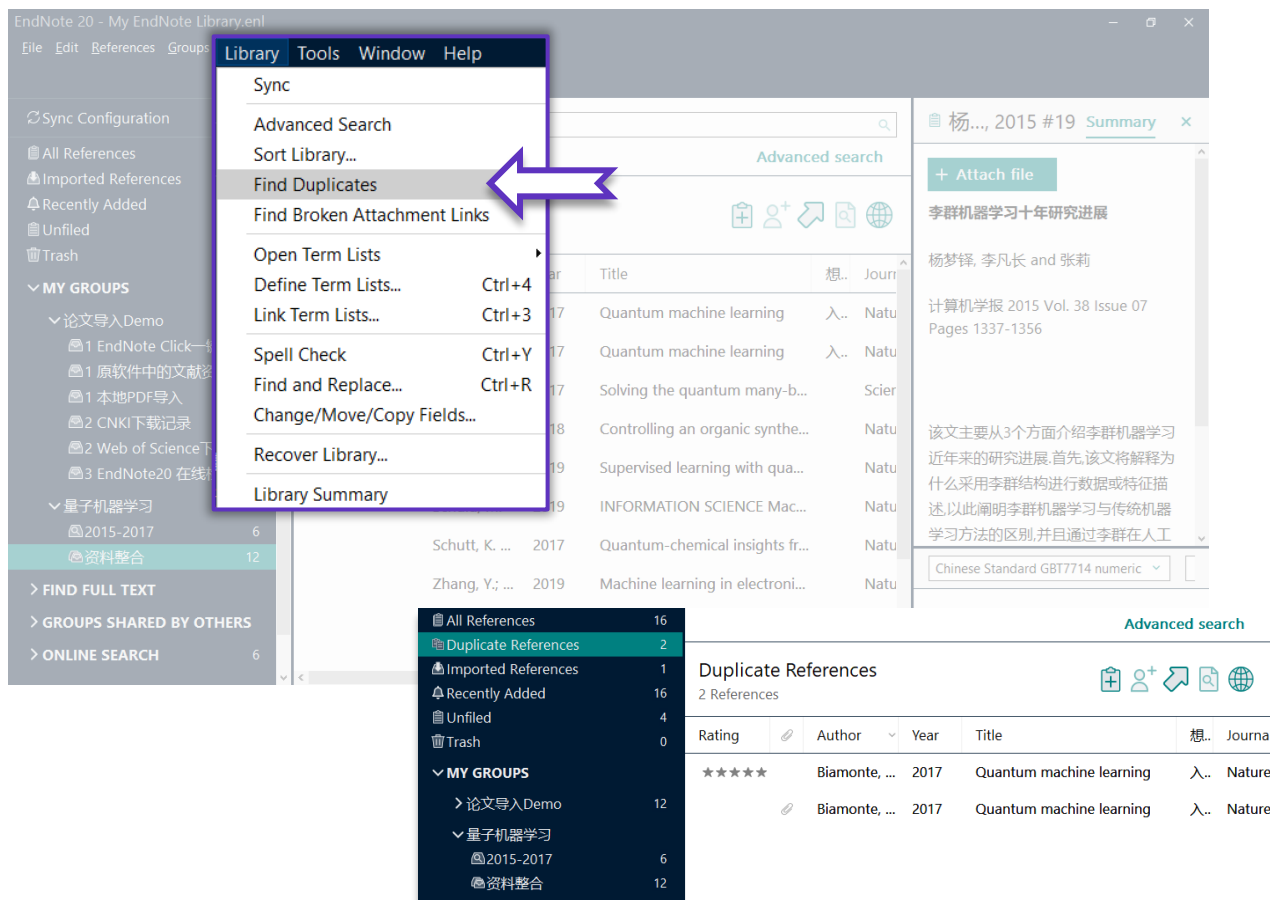
选择 "Groups" tab



点击 "Create Group"

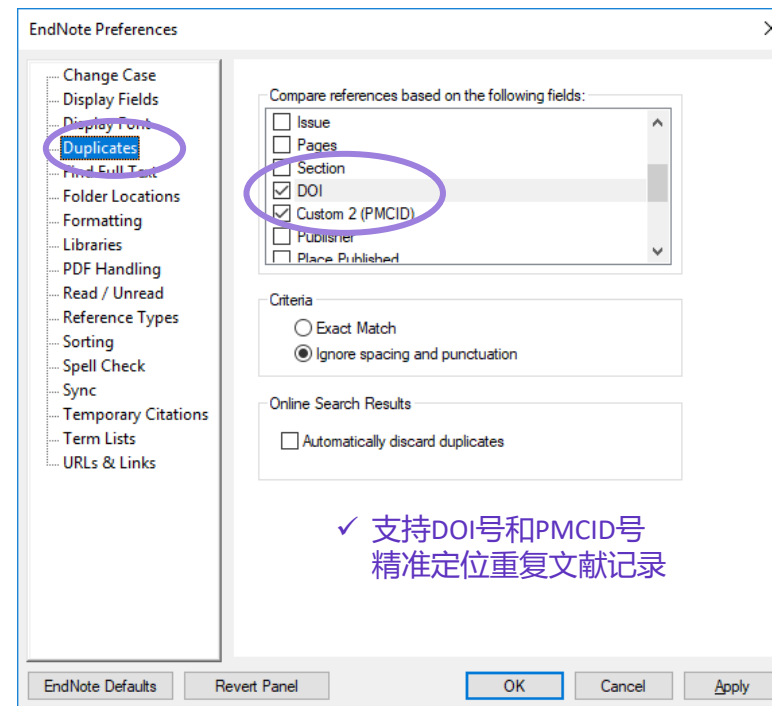
# ■ 文献的去重

Find Duplicates



⇒ “重复文件” 定义的设置途径

Edit → Preferences



# ■ 轻松获取文献全文

选择要查找全文的文献



选择“References”



点击“Find Full Text...”

Find Full Text帮助  
查找全文

The screenshot shows the EndNote interface with two windows. The main window displays a list of references under 'All References'. The left sidebar shows the 'FIND FULL TEXT' option highlighted. A secondary window shows the 'Found PDF' results for a specific reference.

**References List:**

Author	Year	Title	Journal/Secondary Title	DOI	Last Updated
Aasen, Helge...	2018	Quantitative Remote Sensing at Ultra...	Remote Sensing	10.3390/rs10071091	11/16/2020
Drosten, C.; ...	2003	Identification of a novel coronavirus i...	New England Journal of Medicine	10.1056/NEJMoa030...	4/22/2021
Ksiazek, T. G.					
Chen, S. C.; Z...					
Zhu, K.; Li, G.					
Zhou, Y. L.; W...					
Zhou, Y. L.; C...					

**Found PDF Results:**

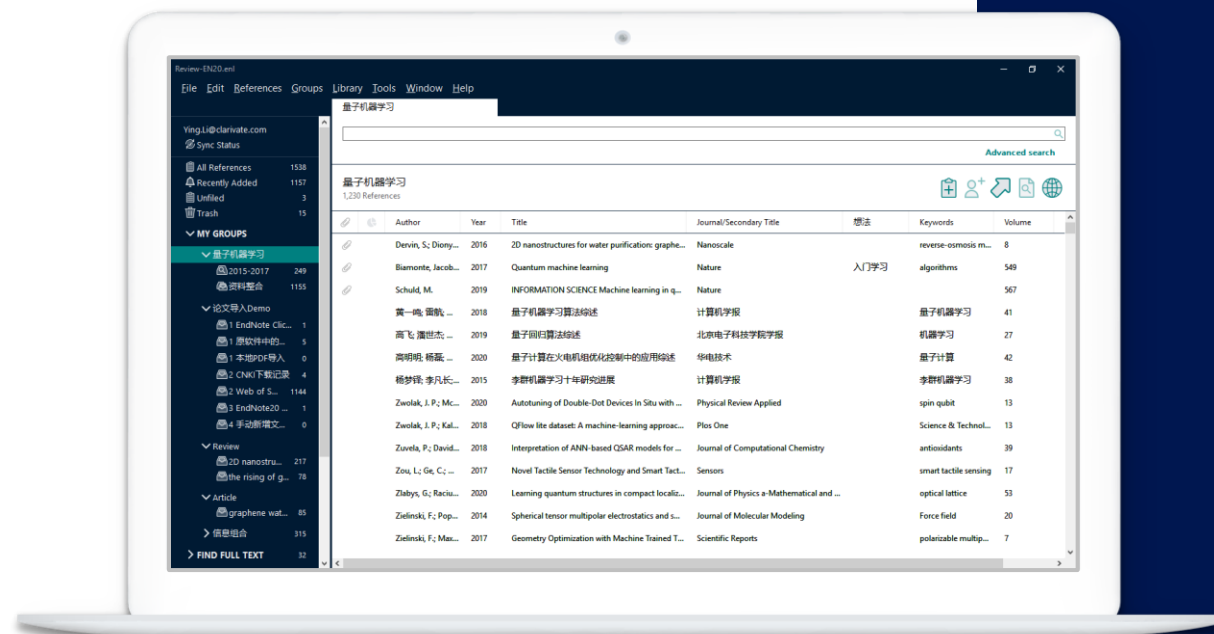
Author	Year	Title	Journal/Secondary Title	DOI	Last Updated
Zhou, Y. L.; C...	2018	Immunomodulatory Effect of Tremella...	Molecules	10.3390/molecules2...	5/6/2021

已找到全文

# 3. 文献分析

# EndNote™ 20的文献分析

了解已有文献的影响力和发展



## □ 与Web of Science的无缝连接

Web of Science 全记录页面

Web of Science 相关记录结果

一键式引文报告生成

## □ 基于个人图书馆的文献统计分析



# ■ 与Web of Science的无缝连接：全记录页面

Web of Science article record

My EndNote Library try-Converted

File Edit **References** Groups Library Tools Window Help

References>>Web of Science>>

View Source Record

View Related Records

Create Citation Report

**EndNote**

A..., 2018 #201 Summary Edit PDF

Quantitative Remote Sensing at Ultra-High Resolution with UAV Spectroscopy: A Review of Sensor Technology, Measurement Procedures, and Data Correction Workflows

H. Aasen, E. Honkavaara, A. Lucieer and P. J. Zarco-Tejada

Remote Sensing 2018 Vol. 10 Issue 7

Accession Number: WOS:000440332500114 DOI: 10.3390/rs10071091

<Go to WoS>://WOS:000440332500114  
[https://res.mdpi.com/remotesensing/remotesensing-10-01091/article\\_deploy/remotesensing-10-01091.pdf?filename=&attachment=1](https://res.mdpi.com/remotesensing/remotesensing-10-01091/article_deploy/remotesensing-10-01091.pdf?filename=&attachment=1)

In the last 10 years, development in robotics, computer vision, and sensor technology has provided new spectral remote sensing tools to capture unprecedented ultra-high spatial and high spectral resolution with unmanned aerial vehicles (UAVs). This development has led to a revolution in geospatial data collection in which not only few specialist data providers collect and deliver remotely sensed data, but a whole diverse community is potentially able to gather geospatial data that fit their needs. However, the diversification of sensing systems and user applications challenges the common application of good practice procedures that ensure the quality of the data. This challenge can only be met by establishing and communicating common procedures that have had demonstrated success in scientific experiments and operational demonstrations. In this review, we evaluate the state-of-the-art methods in UAV spectral remote sensing and discuss sensor technology, measurement procedures, geometric processing, and radiometric calibration based on the literature and more than a decade of experimentation. We follow the journey of the reflected energy from the particle in the environment to its representation as a pixel in a 2D or 2.5D map, or 3D spectral point cloud. Additionally, we reflect on the current revolution in remote sensing, and identify trends, potential opportunities, and limitations.

**Web of Science article record**

Chinese Standard GB/T7714 numeric Copy

[1] SCHULD M. INFORMATION SCIENCE  
Machine learning in quantum spaces [J]. Nature, 2019, 567(7747): 179-81.



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Web of Science 检索 标记结果列表 历史 跟踪服务

qingwen yuan

出版商处的免费全文 全文链接 导出 添加到标记结果列表

Quantitative Remote Sensing at Ultra-High Resolution with UAV Spectroscopy: A Review of Sensor Technology, Measurement Procedures, and Data Correction Workflows

作者: Aasen, H (Aasen, Helge)<sup>1</sup>; Honkavaara, E (Honkavaara, Eija)<sup>2</sup>; Lucieer, A (Lucieer, Arko)<sup>3</sup>; Zarco-Tejada, PJ (Zarco-Tejada, Pablo J.)<sup>4</sup>

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

REMOTE SENSING

卷: 10 期: 7

文献号: 1091

DOI: 10.3390/rs10071091

出版时间: JUL 2018

文献类型: Review

摘要

In the last 10 years, development in robotics, computer vision, and sensor technology has provided new spectral remote sensing tools to capture unprecedented ultra-high spatial and high spectral resolution with unmanned aerial vehicles (UAVs). This development has led to a revolution in geospatial data collection in which not only few specialist data providers collect and deliver remotely sensed data, but a whole diverse community is potentially able to gather geospatial data that fit their needs. However, the diversification of sensing systems and user applications challenges the common application of good practice procedures that ensure the quality of the data. This challenge can only be met by establishing and communicating common procedures that have had demonstrated success in scientific experiments and operational demonstrations. In this review, we evaluate the state-of-the-art methods in UAV spectral remote sensing and discuss sensor technology, measurement procedures, geometric processing, and radiometric calibration based on the literature and more than a decade of experimentation. We follow the journey of the reflected energy from the particle in the environment to its representation as a pixel in a 2D or 2.5D map, or 3D spectral point cloud. Additionally, we reflect on the current revolution in remote sensing, and identify trends, potential opportunities, and limitations.

关键词

作者关键词: imaging spectroscopy; spectral; unmanned aerial vehicles; unmanned aerial systems (UAS); Remotely Piloted Aircraft Systems (RPAS); drone; calibration; hyperspectral; multispectral; low-altitude; remote sensing; sensors; 2D imager; pushbroom; snapshot; spectroradiometers

Keywords Plus: UNMANNED AERIAL VEHICLE; RADIATIVE-TRANSFER CALCULATIONS; LIBRADTRAN SOFTWARE PACKAGE; EMPIRICAL LINE METHOD; BARK BEETLE DAMAGE; LEAF-AREA INDEX; OF-THE-ART; RADIOMETRIC CALIBRATION; WATER-STRESS; IMAGING SPECTROSCOPY

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219

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Jackisch, R; Madriz, Y; Gloaguen, R; et al. Drone-Borne Hyperspectral and Magnetic Data Integration: Otanmaki Fe-Ti-V Deposit in Finland. REMOTE SENSING. Brook, A; De Micco, V; Bonfante, A; et al.



引文网络

实时、持续更新

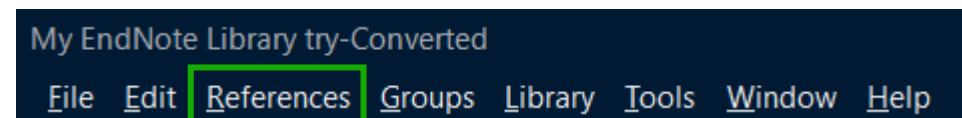
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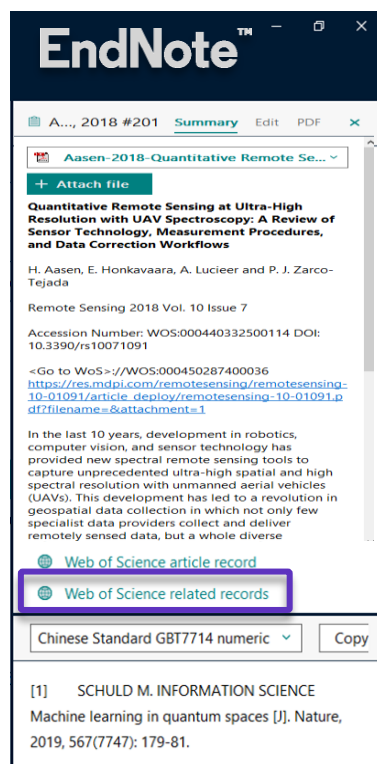
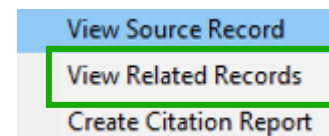
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# ■ 与Web of Science的无缝连接：相关记录

Web of Science related records



References>>Web of Science>>



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相关参考文献

21,679 条相关结果:

Quantitative Remote Sensing at Ultra-High Resolution with UAV Spectroscopy: A Review of Sensor Technology, Measurement Procedures, and Data Correction Workflows

分析检索结果 引文报告

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在结果中检索...

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- ☐ 开放获取 10,020
- ☐ 相关数据 292

出版年

- ☐ 2022 14
- ☐ 2021 2,202
- ☐ 2020 2,892

相关性 < 1 / 434 >

0/21,679 添加到标记结果列表 导出

1 Radiometric Correction of Close-Range Spectral Image Blocks Captured Using an Unmanned Aerial Vehicle with a Radiometric Block Adjustment 28 被引频次

Honkavaara, E and Khoramshahi, E Feb 2018 | REMOTE SENSING 10 (2)

Unmanned airborne vehicles (UAV) equipped with novel, miniaturized, 2D frame format hyper- and multispectral cameras make it possible to conduct remote sensing measurements cost-efficiently, with greater accuracy and detail. In the mapping process, the area of interest is covered by multiple, overlapping, small-format 2D images, which provid ... 显示更多

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2 Overview and Current Status of Remote Sensing Applications Based on Unmanned Aerial Vehicles (UAVs) 346 被引频次

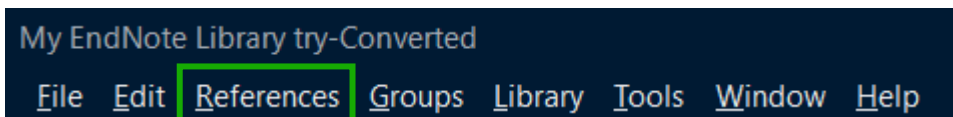
Pajares, G Apr 2015 | PHOTOGRAMMETRIC ENGINEERING AND REMOTE SENSING 81 (4) , pp.281-329

Remotely Piloted Aircraft (RPA) is presently in continuous development at a rapid pace. Unmanned Aerial Vehicles (UAVs) or more extensively Unmanned Aerial Systems (UAS) are platforms considered under the RPAs paradigm. Simultaneously, the development of sensors and instruments to be installed onboard such platforms is growing exponentiz ... 显示更多

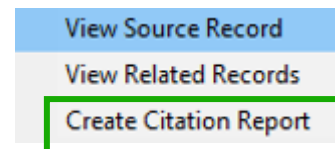
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寻找更多交叉学科的创新点和研究思路

# ■ 与Web of Science的无缝连接：创建引文报告

Create Citation Report



References>>Web of Science>>



EndNote 20 - My EndNote Library.enl  
File Edit References Groups Library Tools Window Help

资料整合

Advanced search

资料整合  
11 References

Rating	Author	Year	Title	Journal/Sec
	Biamonte, Ja...	2017	Quantum machine learning	Nature
	Carleo, G.; Tr...	2017	Solving the quantum many-body p...	Science
	Granda, J. M.;...	2018	Controlling an organic synthesis ro...	Nature
	Havlicek, V.; ...	2019	Supervised learning with quantum...	Nature
	Schuld, M.	2019	INFORMATION SCIENCE Machine L...	Nature
	Schutt, K. T.; ...	2017	Quantum-chemical insights from d...	Nature Com
	Zhang, Y; M...	2019	Machine learning in electronic-qua...	Nature
	杨梦铎; 李凡...	2015	李群机器学习十年研究进展	计算机学报
	高明明; 杨磊...	2020	量子计算在火电机组优化控制中...	华电技术
	高飞; 潘世杰...	2019	量子回归算法综述	北京电子科
	黄一鸣; 雷航...	2018	量子机器学习算法综述	计算机学报

MY GROUPS

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- 量子机器学习
- 2015-2017
- 资料整合

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- PubMed (NLM)
- Web of Science
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Create From Groups...  
Rename Group  
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Delete Group  
Share Group...  
**Create Citation Report**  
Manuscript Matcher  
Create Group Set  
Rename Group Set

Web of Science™ 检索 标记结果列表 历史 跟踪服务

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191.04 平均被引频次

32 h-index

出版物	施引频次	被引频次
Guidelines for the use and interpretation of assays for monitoring autophagy	107	138
Homeostatic levels of p62 control cytoplasmic inclusion body formation in autophagy-deficient mice	107	138
Unmanned aerial systems for photogrammetry and remote sensing: A review	219	219
CROSS-VALIDATION OF REGRESSION-MODELS	79	82
Autophagy is Important in Islet Homeostasis and Compensatory Increase of Beta Cell Mass in Response to High-Fat Diet	49	55
Structural basis for sorting mechanism of p62 in selective autophagy	40	33

- ✓ 支持分析整组文献的引文影响力
- ✓ 借助Web of Science平台对最新研究进展多视角分析

# ■ 基于个人图书馆的文献统计分析

## Subject Bibliography

### Tools-Subject Bibliography-Subject Fields

The screenshot shows the EndNote 20 interface. The 'Tools' menu is open, and 'Subject Bibliography...' is highlighted. A purple arrow points from the 'Subject Bibliography...' option in the menu to the 'Subject Bibliography...' option in the 'MY GROUPS' list. The 'Subject Fields' dialog box is open, showing a list of fields to be included in the bibliography. The 'Selected Fields' list includes: Reference Type, Author, Year, Title, Secondary Author, Secondary Title, Place Published, Publisher, Volume, Number of Volumes, Number, Pages, Section, Tertiary Author, Tertiary Title, Edition, and Date. The 'List each author separately' checkbox is checked. The 'In other fields, list each entry that is separated by slash, carriage return or line feed. (Keywords entries are always listed separately.)' checkbox is unchecked. The 'Cancel' button is highlighted with a blue border.

Author	Year	Title	Journal
Schuld, M.	2019	INFORMATION SCIENCE Machine I...	Nature
黄一鸣; 雷航...	2018	量子机器学习算法综述	计算机
高飞; 潘世杰...	2019	量子回归算法综述	北京电
高明明; 杨磊...	2020	量子计算在火电机组优化控制中...	华电技
杨梦铎; 李凡...	2015	李群机器学习十年研究进展	计算机
Zwolak, J. P.; ...	2020	Autotuning of Double-Dot Device...	Physical
Zwolak, J. P.; ...	2018	QFlow lite dataset: A machine-lear...	Plos One
Zuvela, P.; D...	2018	Interpretation of ANN-based QSA...	Journal
Zou, L.; Ge, C...	2017	Novel Tactile Sensor Technology a...	Sensors

✓ 对多渠道整理的资料信息进行整合统计分析

✓ 支持多字段合并统计

✓ 基于关键要点，快速挑选并分类已有信息

# ■ 基于个人图书馆的文献统计分析

Subject Bibliography

Tools-Subject Bibliography-Subject Fields

示例：对已整理的文献进行关键词（keywords）统计分析

Subject Terms 查看相关文献数量

Selected Terms	# Records
molecular-dynamics simulations 分子动力学模拟	15
system	15
phase-transitions 相变	14
electronic-structure	14
matrix product states 矩阵乘积态, MPS	14
Big data	14
Random Forest 随机森林	14
atoms	14
interacting quantum atoms	13
identification	13
database	13
deep learning	13
neural-network potentials	13
Quantum computation	13
dft	13

3 Term(s) Selected

Buttons: Select All, Clear Selection(s), OK, Cancel, Help

Subject Bibliography - My EndNote Library.enl

Output Style: Chinese Std GB7714 (number) Layout... Terms...

REFERENCE LIST:

**K-nearest neighbor (3)**

[1] WANG Y X, WANG R J, LI D F, et al. Improved Handwritten Digit Recognition using Quantum K-Nearest Neighbor Algorithm [J]. Int J Theor Phys, 2019, 58(7): 2331-40.

[2] HAN X H, QUAN L, XIONG X Y, et al. Facing the classification of binary problems with a hybrid system based on quantum-inspired binary gravitational search algorithm and K-NN method [J]. Eng Appl Artif Intell, 2013, 26(10): 2424-30.

[3] FAN T J, SUN G H, ZHAO L J, et al. QSAR and Classification Study on Prediction of Acute Oral Toxicity of N-Nitroso Compounds [J]. Int J Mol Sci, 2018, 19(10): 22.

**protein-ligand interactions (3)**

[1] POPELIER P. New Insights in Atom-Atom Interactions for Future Drug Design [J]. Curr Top Med Chem, 2012, 12(17): 1924-34.

[2] HASSANZADEH P. Towards the quantum-enabled technologies for development of drugs or delivery systems [J]. J Control Release, 2020, 324(260-79).

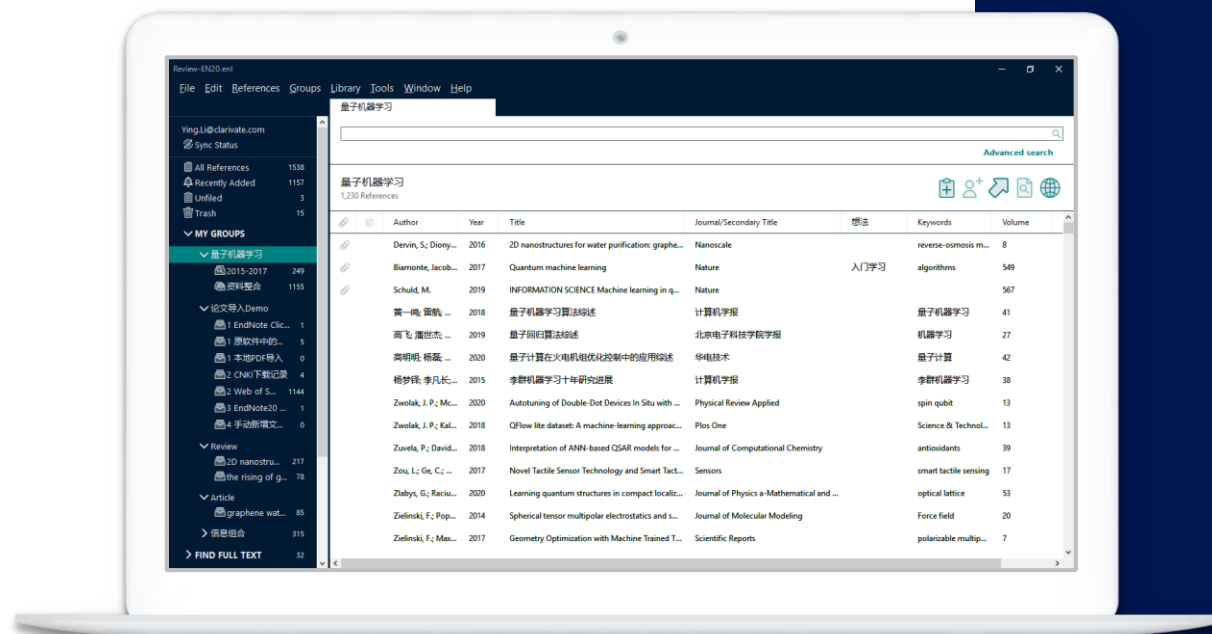
Buttons: Help, Print Preview..., Print..., Save..., Close

示例：基于感兴趣的关键词挑选文献，并自动呈现分类结果

# 4. 参考文献编辑与投稿



# EndNote™ 20的参考文献编排



- 添加参考文献
- 参考文献的调整
- 参考文献的分类显示
- 参考文献的一键格式修改
- 获得更多参考文献格式模板
- 创建自定义的参考文献格式（简版）
- 投稿期刊推荐

# Cite While You Write: 实现Word与EndNote™20之间的对接

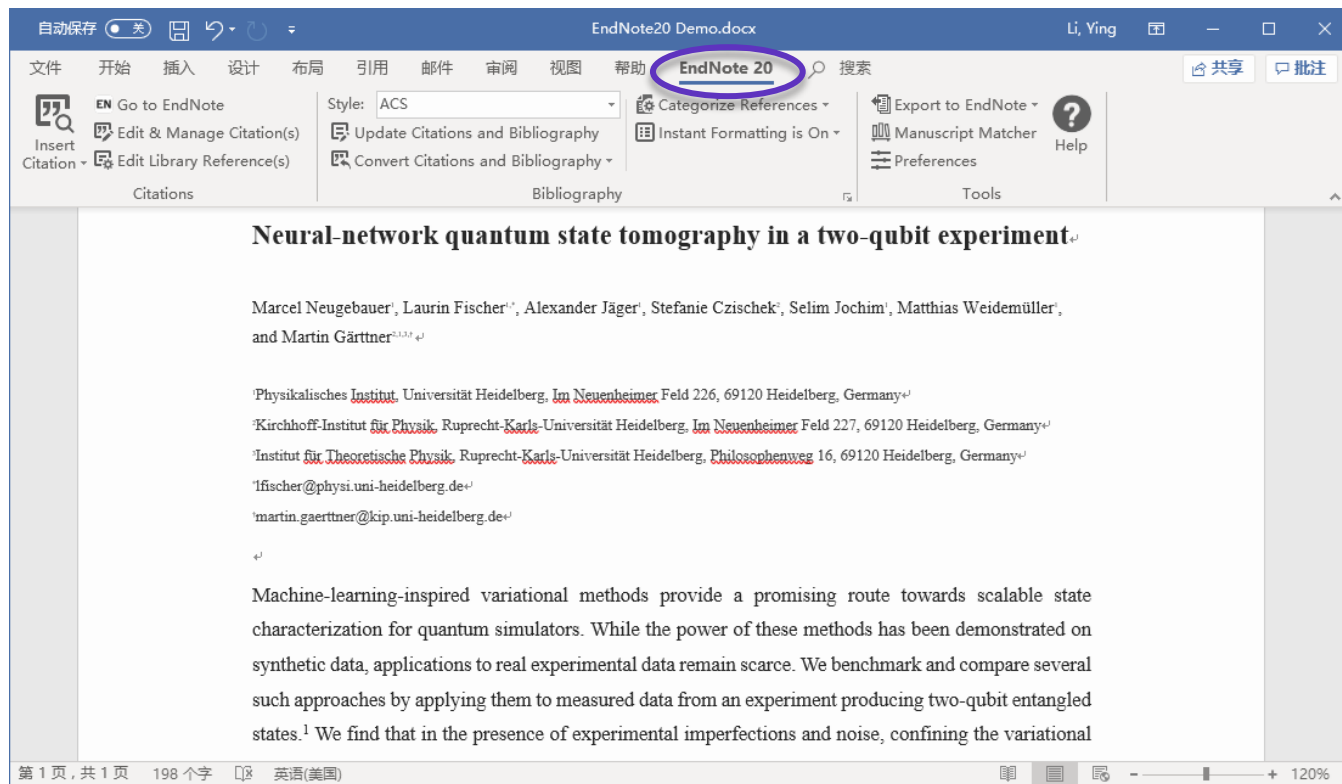
❖ 安装好EndNote单机版后，可自动实现Word与EndNote之间的对接。



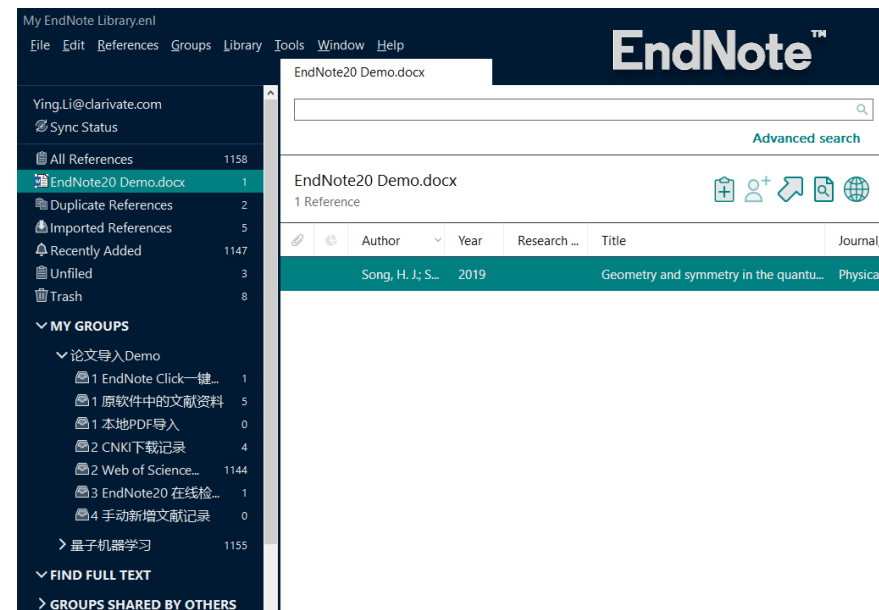
在EndNote网络版中下载插件，可在使用WORD撰写论文时，自动插入参考文献并设置引文和书目的格式。

# Cite While You Write: 实现Word与EndNote™20之间的对接

❖ 安装好EndNote单机版后，可自动实现Word与EndNote之间的对接。



## Cite While You Write



# ■ 添加参考文献

Insert Citation

③

① 选择合适的参考文献格式

② 在文中指定添加参考文献的位置

④ 输入检索词汇

⑤

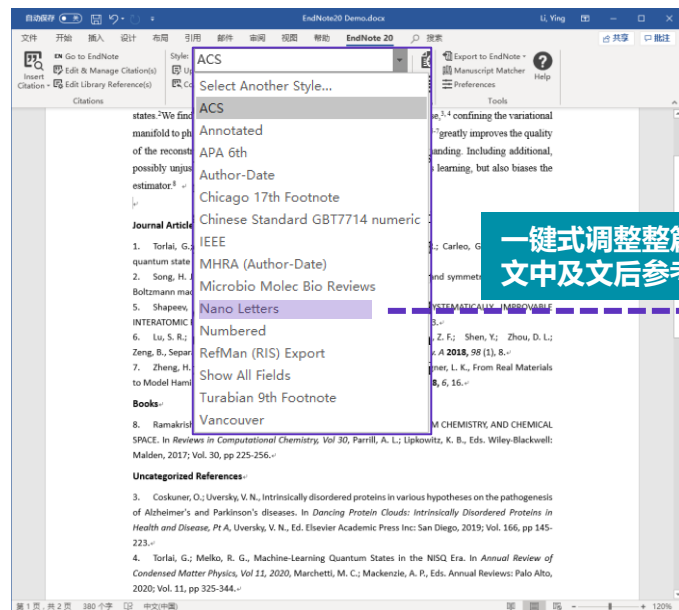
Author	Year	Title
Melnikov	2018	Active learning machine learns to create new quantum experiments
Kasabov	2007	Brain gene ontology and simulation system (BGOS) for a better understanding of the brain
Wang	2017	Experimental quantum Hamiltonian learning
Teoh	2020	Machine learning design of a trapped-ion quantum spin simulator
Santagati	2019	Magnetic-Field Learning Using a Single Electronic Spin in Diamond with One-Photon Readout at Room
Torlai	2018	Neural-network quantum state tomography
Neugeba...	2020	Neural-network quantum state tomography in
Wiebe	2015	Quantum bootstrapping via compressed quantum
Schmitt	2020	Quantum Many-Body Dynamics in Two Dimensions with Artificial Neural Networks
Killoran	2019	Strawberry Fields: A Software Platform for Photonic Quantum Computing

⑥ 选中待添加的参考文献

⑦

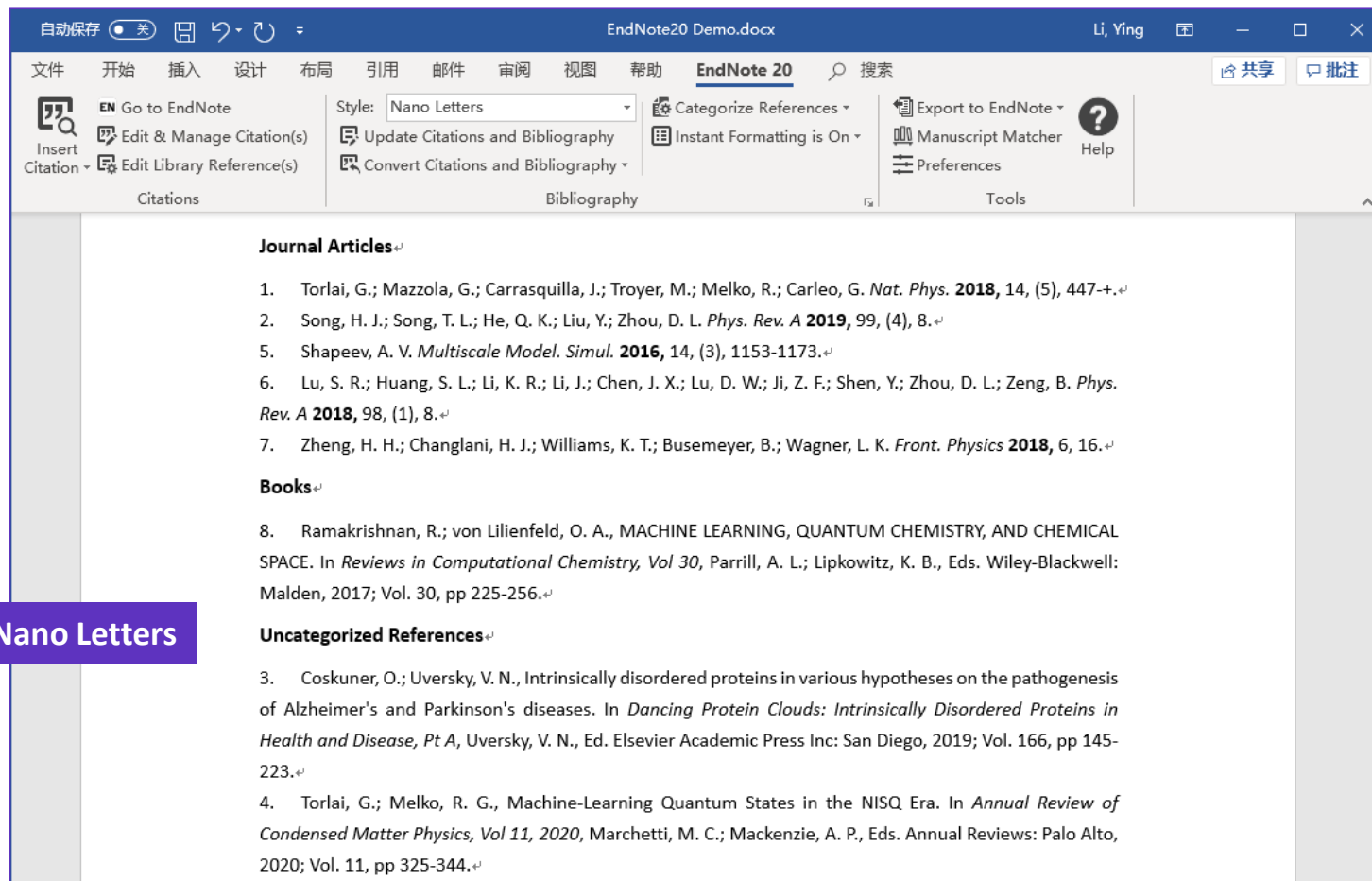
# 参考文献格式一键切换

Style下拉菜单



一键式调整整篇文章的  
文中及文末参考文献格式

Style: ACS

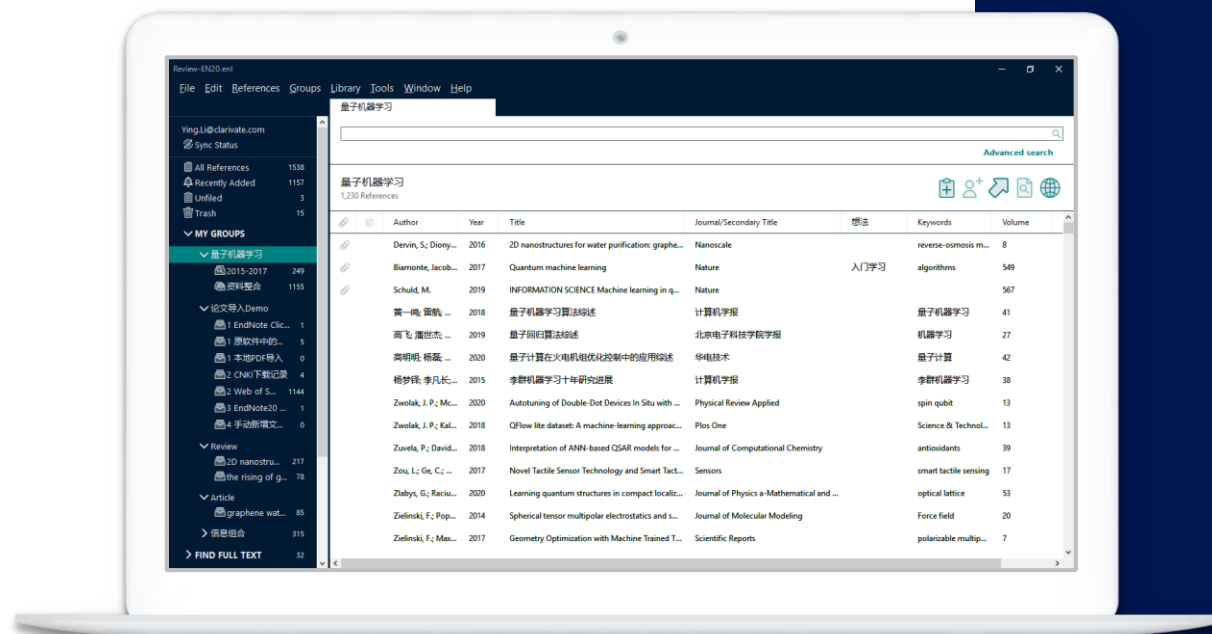


Style: Nano Letters

# 5. 文献备份与共享



# EndNote™ 20的备份与共享



## ❖ 备份与同步

- 移动便携——压缩个人图书馆
- 同步备份

## ❖ 资源共享

- Email一键发送
- 共享你的分组
- 共享你的图书馆

# ■ 移动便携——压缩个人图书馆

Compressed Library便于携带与共享

My EndNote Library.enl

File Edit References Groups Library Tools Window Help

资料整合

**File → Compressed Library(.enlx)...**

All References 1158  
Recently Added 1147  
Unfiled 3  
Trash 8

MY GROUPS

论文导入Demo

- 1 EndNote Click一键... 1
- 1 原软件中的文献资料 5
- 1 本地PDF导入 0
- 2 CNKI下载记录 4
- 2 Web of Science... 1144
- 3 EndNote20 在线检... 1
- 4 手动新增文献记录 0

量子机器学习

- 2015-2017 174
- 资料整合 1155

FIND FULL TEXT

GROUPS SHARED BY OTHERS

ONLINE SEARCH

- BIOSIS Previews (Clarivate) 0
- UNSPEC (EBSCO) 0

Searching 资料整合  
1,155 References

Author	Year	Research ...	Title
Tiunov, E. S.; ...	2020		Experiments quantum homodyne tc
Tiwari, P.; Me...	2019		Towards a Quantum-Inspired Binary
Tkatchenko, A.	2020		Machine learning for chemical disc
Tomberg, A.; ...	2019		A Predictive Tool for Electrophilic A
Tomita, Y.; Sh...	2020		Machine-learning study using imprc
Torlai, G.; Ma...	2018		Neural-network quantum state tom
Torlai, G.; Me...	2017		Neural Decoder for Topological Co
Torlai, G.; Me...	2018		Latent Space Purification via Neural
Torlai, G.; Me...	2020		Machine-Learning Quantum States

Torlai, 2020 #513

+ Attach file

Machine-Learning Quantum

G. Torlai and R. G. Melko

In: Annual Review of Conder  
2020, edited by M. C. March

Annual Reviews 2020 Vol. 11

DOI 10.1146/annurev-conma

We review the development  
techniques in machine learn  
reconstructing real, noisy, m  
Motivated by its interpretab  
detail the theory of the restr

Chinese Standard GB/T7714

[1] TORLAI G, MELKO R. Quantum States in the NISQ Era [M]// A.P. Annual Review of Conder 2020. Palo Alto; Annual Rev

**Compress Library (.enlx)**

☒ Create

☐ Create & E-mail

☒ With File Attachments • 带附件压缩

☐ Without File Attachments • 不带附件

☒ All References in Library: • 压缩完整图书馆

☐ Selected Reference(s) • 压缩选中的参考文献

☐ All References in Group/Group Set: • 仅指定压缩某个组

My EndNote Library.enl

论文导入Demo

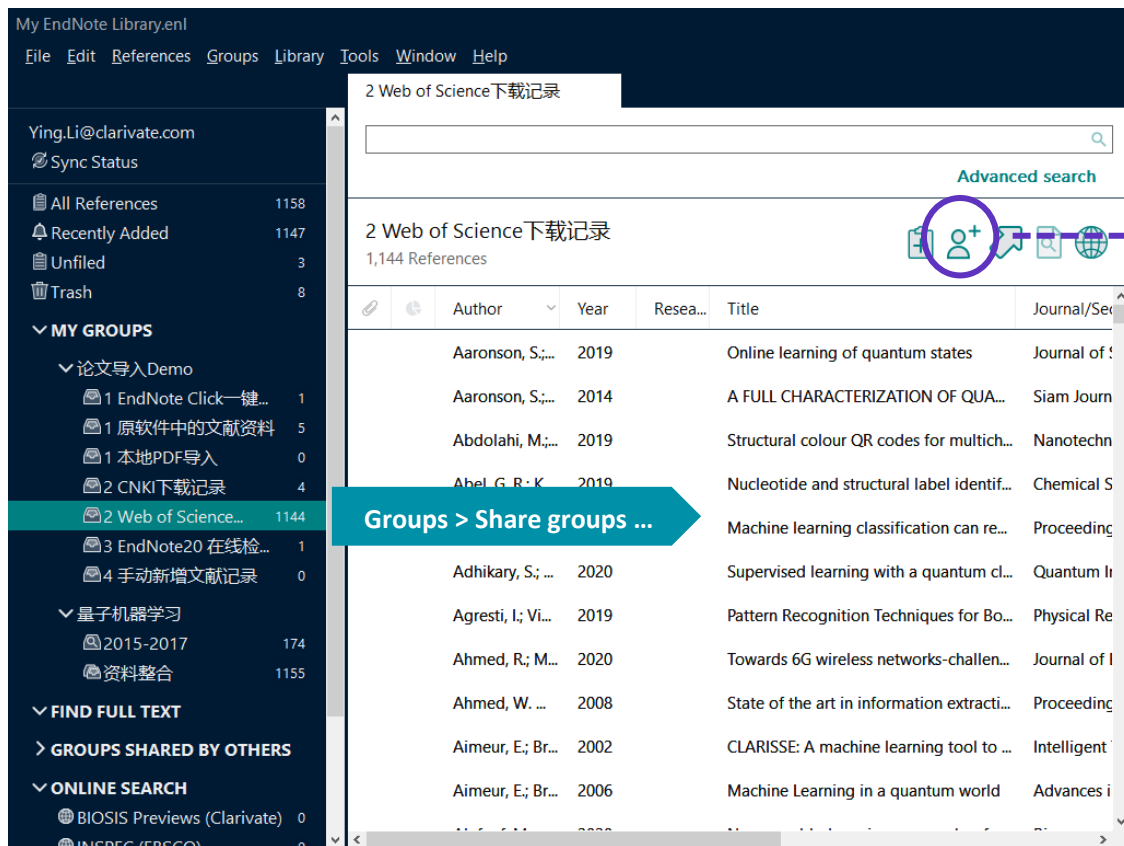
Next Cancel

## ■ 打开已压缩图书馆

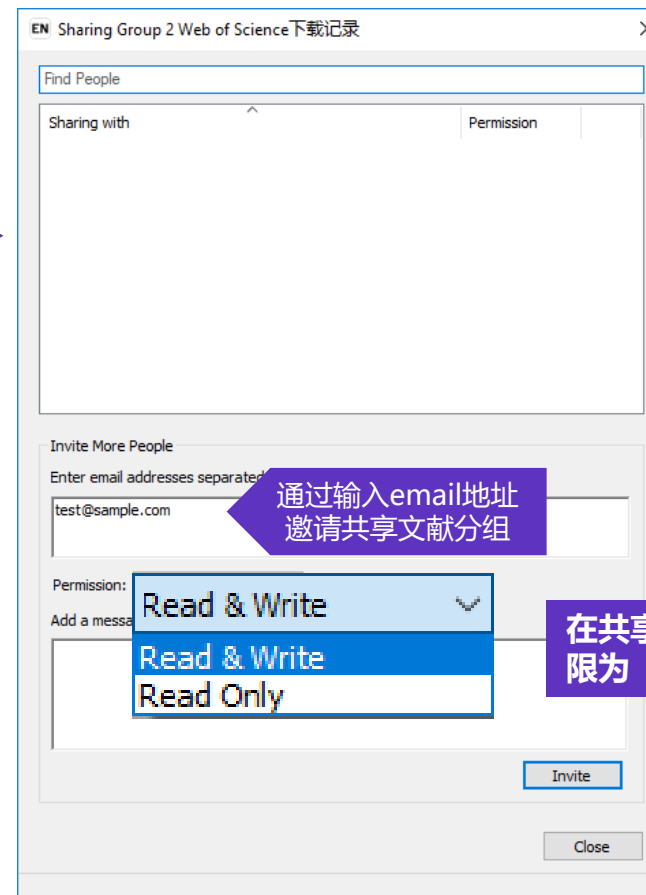
File → Open Library...

# ■ 共享你的分组

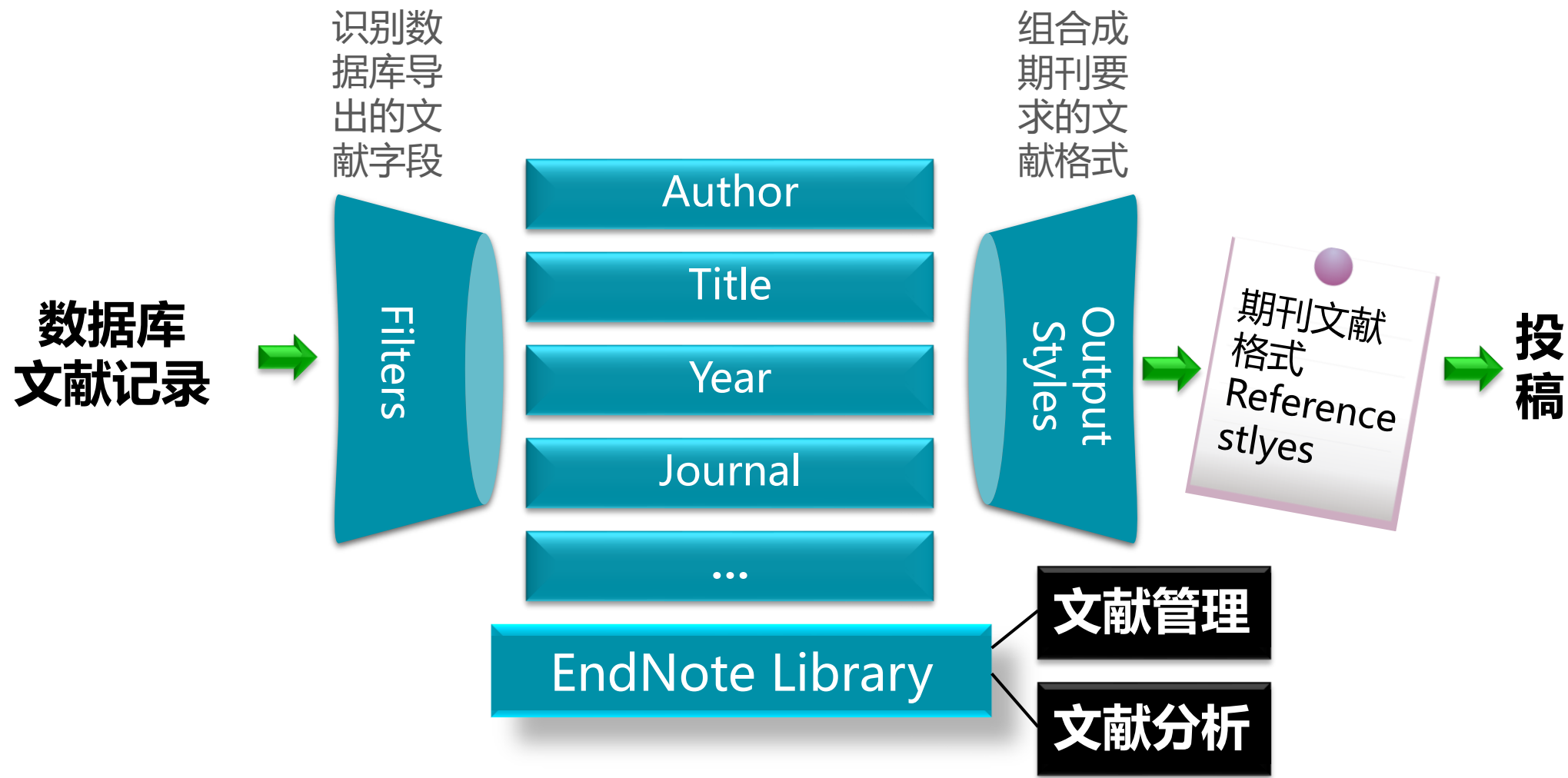
Share Group/ Share this Group

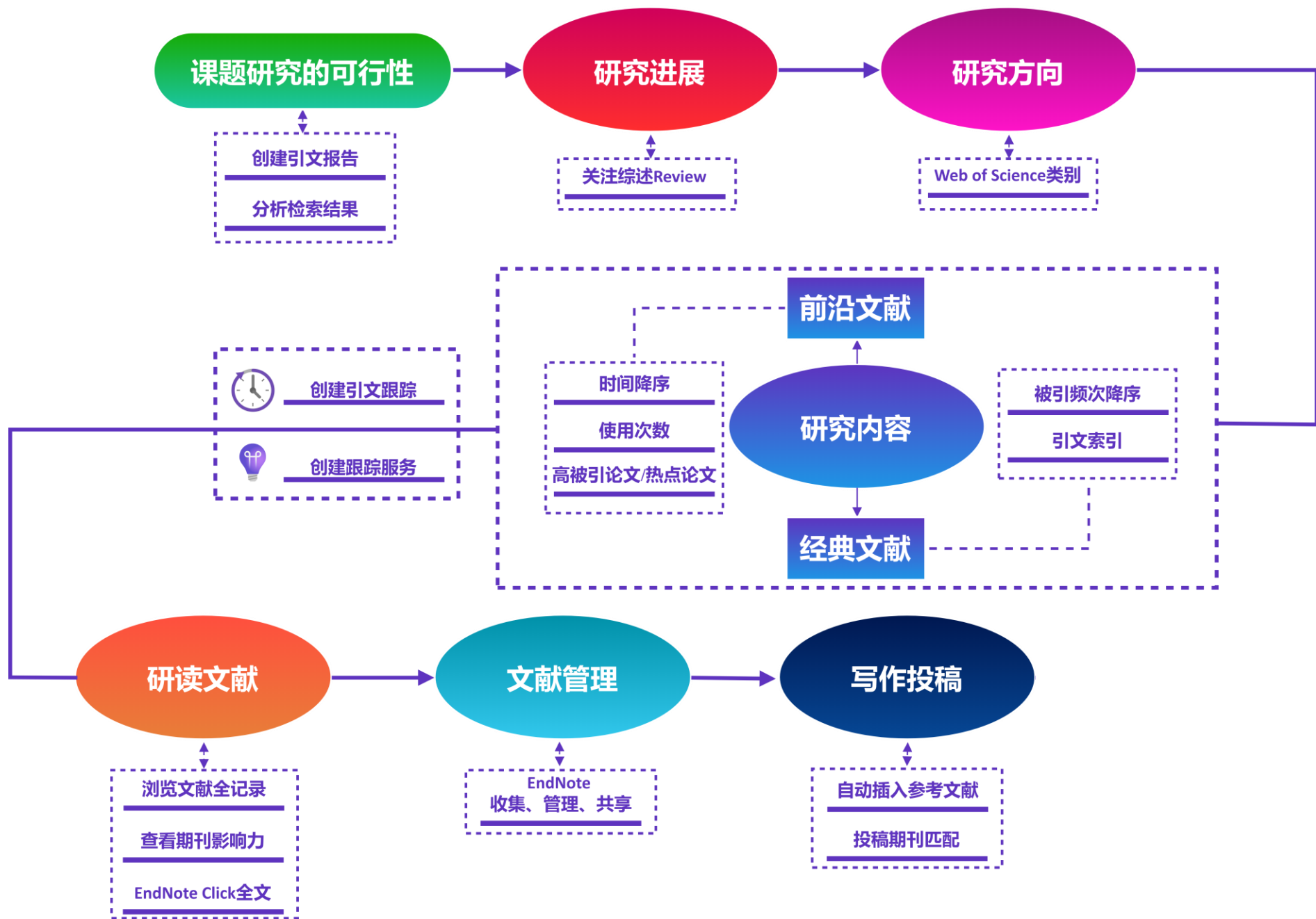


快捷分享分组



# EndNote™20 的工作流

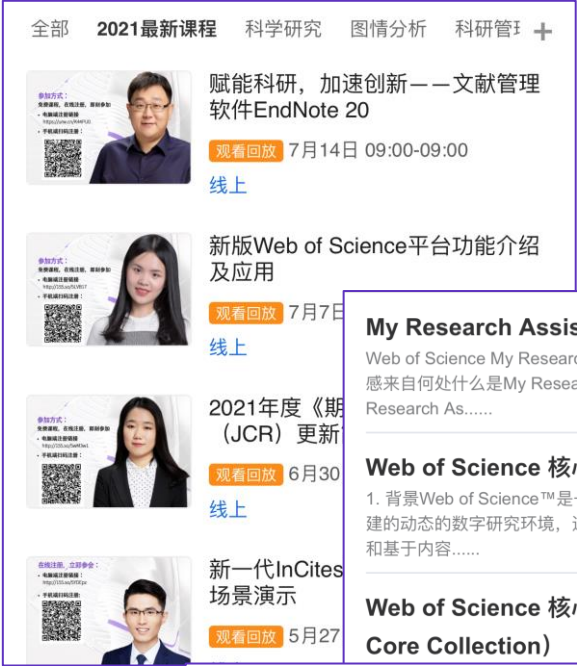




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# 谢谢!

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