

# 工欲善其事，必先利其器

## —Web of Science新平台助力创新科学研究

袁庆文

科睿唯安

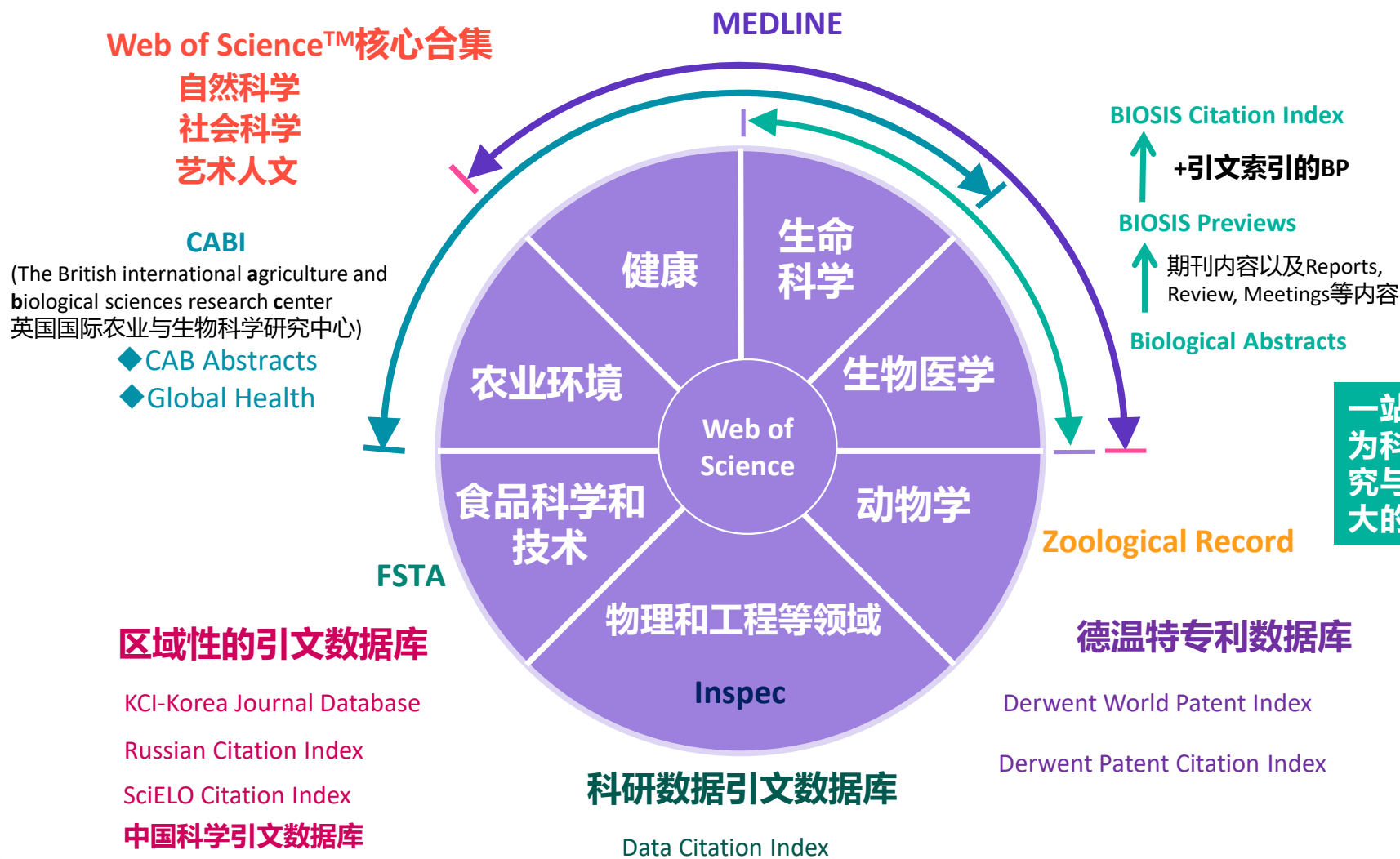
2022.11.23

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2. **Web of Science在科研选题与投稿选刊中的应用**
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  - 如何高效开展课题调研？
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  - 如何快速获取最新研究进展？
  - 如何选择合适的投稿期刊？
3. **更多资源**

# 1. 数据与资源： Web of Science简介

# Web of Science 综合性的学术平台



一站式发现检索分析平台，为科研共同体中的基础研究与高影响力研究提供强大的、多学科的数据资源。

# WOS平台在科研中的价值



广度



质量



深度



独特



Web of Science Group

## Web of Science核心合集数据库

### 期刊

- Science Citation Index Expanded (科学引文索引)  
178 学科的9500多种高质量学术期刊
- Social Sciences Citation Index (社会科学引文索引)  
58 社会科学学科的3500多种权威学术期刊
- Arts & Humanities Citation Index (艺术与人文引文索引)  
28 人文艺术领域1800多种国际性的学术期刊
- Emerging Sources Citation Index (新兴资源引文索引)  
254 学科的7700多种国际性学术期刊

### 会议

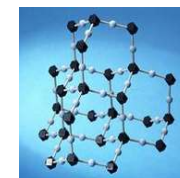
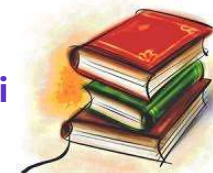
- Conference Proceedings Citation Index- Science+ Social Science & Humanities  
(会议录引文索引- 自然科学版+ 社会科学与人文版)  
超过225,000 会议录, 涉及250多个学科

### 图书

- Book Citation Index - Science + Social Science & Humaniti  
(图书引文索引-自然科学版 + 社会科学与人文版)  
收录超过123,900 学术专著, 同时每年增加10,000种新书

### 化学

- IC/CCR(化学类数据库)  
包括超过125万种化学反应信息及655万种化合物



# WOS平台在科研中的价值



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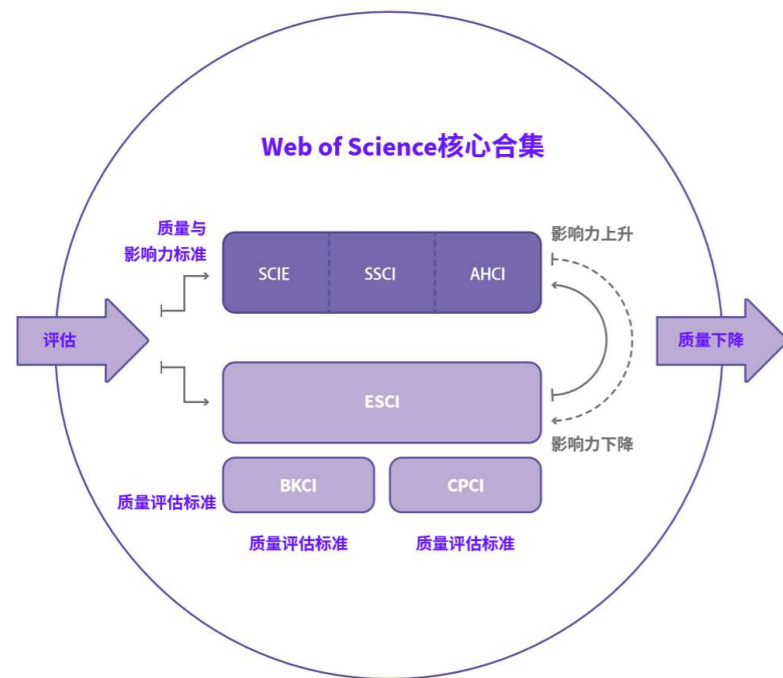


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## Web of Science核心合集数据库

- ❖ 根据文献计量学中的布莱德福定律 (Bradford's law)，在各个学科领域中，少数的核心期刊汇集了足够的信息，反映科学发展中最重要的成果与进展，因而WOS核心合集仅收录各学科领域中的重要学术期刊。
- ❖ Web of Science™核心合集严格遵循50多年来一贯的选刊标准，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**。

客观、择优、动态收录



# 确认期刊收录状态、精准访问期刊官网

The screenshot displays the Web of Science search interface. At the top left, the Clarivate logo is visible. The main header includes 'Web of Science™ 检索' and a language dropdown set to '简体中文'. A navigation menu on the right lists various services, with 'Master Journal List' highlighted in a red box. The central search area features two tabs: '文献' (Literature) and '研究人员' (Researchers). Below the tabs, the search criteria are set to 'Web of Science 核心合集' and '引文索引: All'. The search input field contains the text '油 spill\* mediterranean' with a dropdown menu labeled '主题'. Below the input field are buttons for '+ 添加行', '+ 添加日期范围', and '高级检索'. At the bottom right of the search area are '清除' and '检索' buttons. The footer includes the Clarivate logo and a help icon with the number '15'.

主期刊列表

# 主期刊列表-下载期刊列表



Master Journal List

[Search Journals](#)

[Match Manuscript](#)

[Downloads](#)

[Help Center](#)

Welcome, qingwen yuan

[Settings](#)

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

[Dismiss](#)

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## 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.



Science Citation Index Expanded (SCIE)



Social Sciences Citation Index (SSCI)



Arts & Humanities Citation Index (AHCI)



Emerging Sources Citation Index (ESCI)



JCR 2021

下载SCIE最新期刊列表

### Additional Web of Science Indexes

Last Updated: August 21, 2021



## WOS平台在科研中的价值



广度



质量



深度

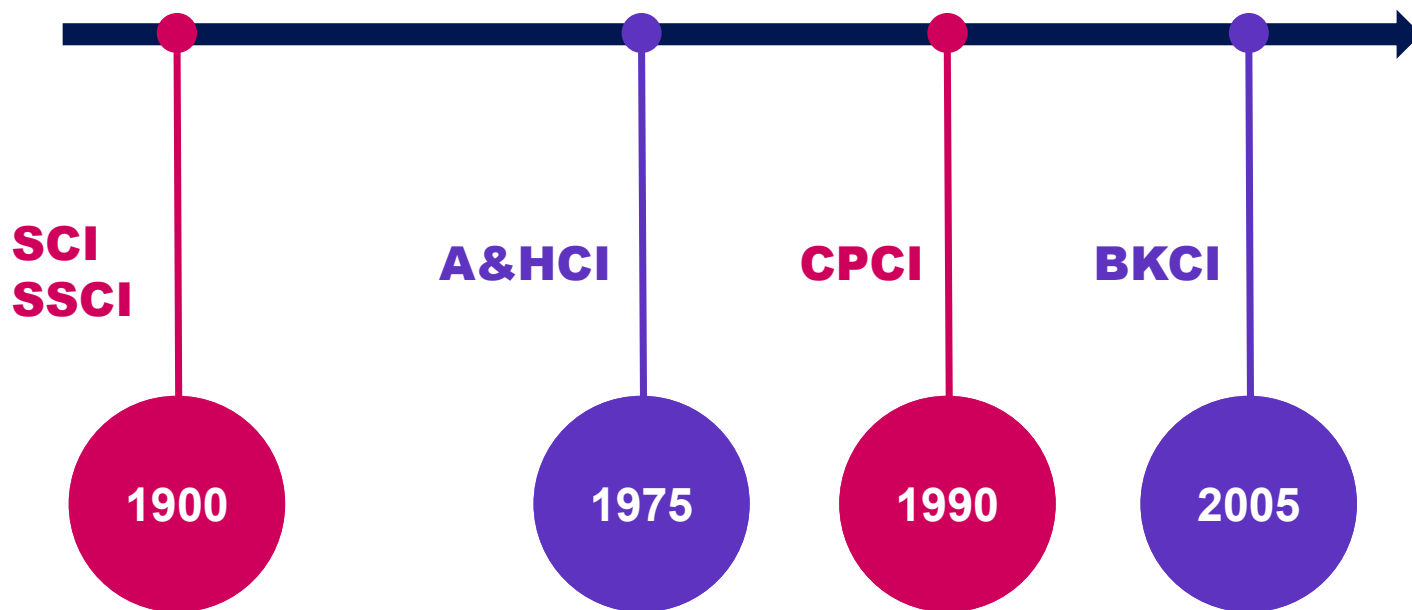


独特



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## Web of Science核心合集数据库



- 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。

# WOS平台在科研中的价值



广度



质量



深度

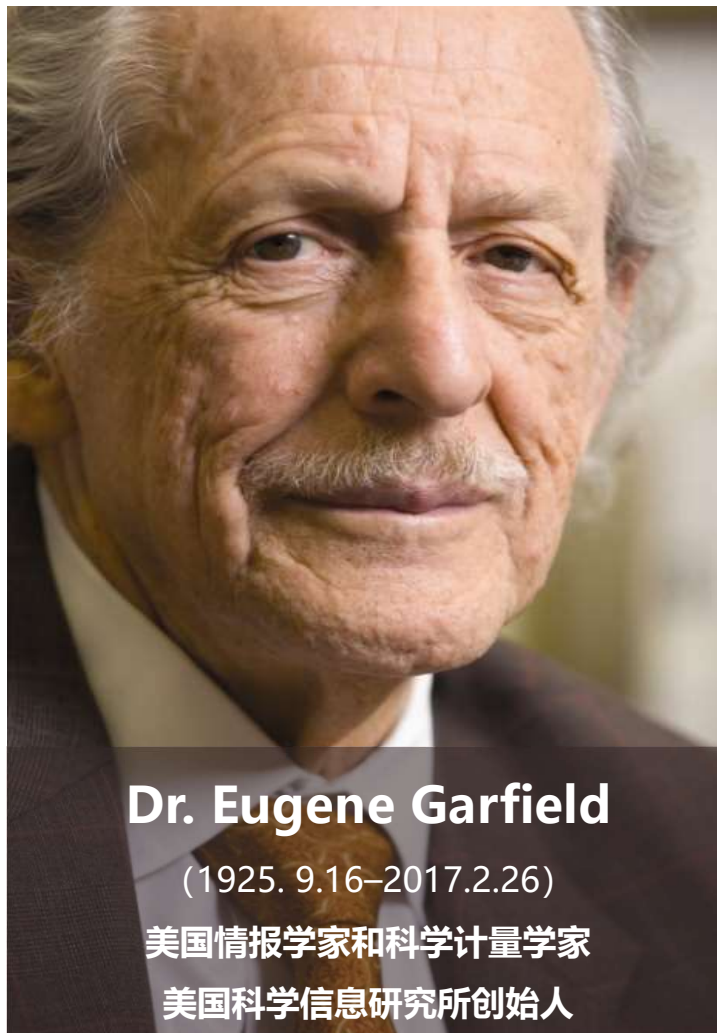


独特



Web of Science Group

## Web of Science核心合集数据库



**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 Index  
引文索引

### Citation Indexes for Science

A New Dimension in Documentation  
through Association of Ideas

Eugene Garfield

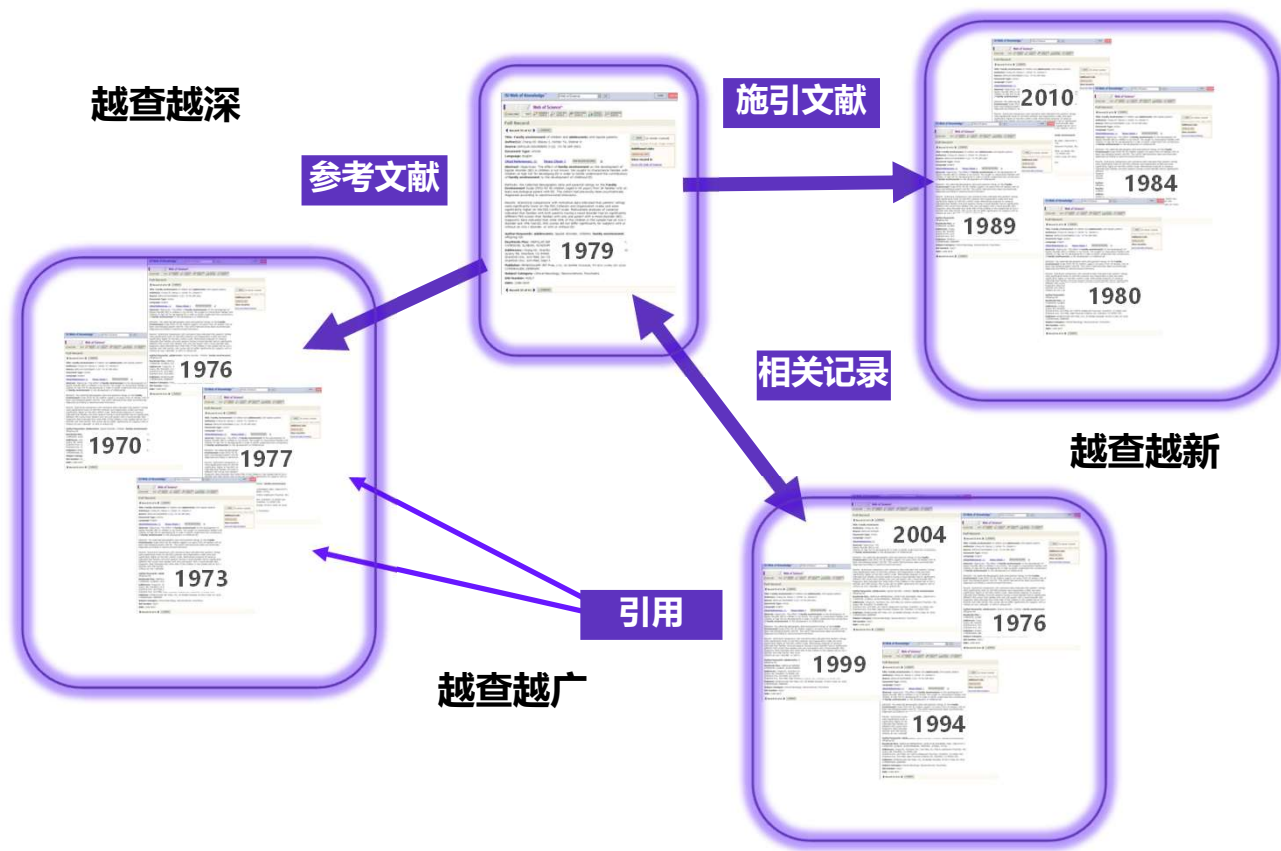
“The uncritical citation of disputed data by a writer, whether it be deliberate or not, is a serious matter. Of course, knowingly propagandizing unsubstantiated claims is particularly abhorrent, but just as many naive students may be swayed by unfounded assertions presented by a writer who is unaware 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

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。

# 划重点：引文索引 OR 关键字检索



从一篇高质量的文献出发，沿着  
科学研究的发展道路前行

# 访问方式

## Webofscience.com

The screenshot shows the Web of Science search interface. At the top, there is a navigation bar with the Clarivate logo on the left and '简体中文' and '产品' on the right. Below this, the 'Web of Science™ 检索' header is visible. On the left side, there is a vertical navigation menu with icons and labels: '菜单', '标记结果列表', '历史', '研究人员个人信息', and '保存的检索式和跟踪'. On the right side, there is a dropdown menu with the following items: 'Web of Science', 'Master Journal List', '使用情况报告', 'InCites Benchmarking & Analytics', 'Journal Citation Reports™' (highlighted with a red box), 'Essential Science Indicators', 'Reference Manager', 'EndNote', and 'EndNote Click'. A green box labeled 'JCR' is positioned to the right of the 'Journal Citation Reports™' item. The main search area is divided into two tabs: '文献' (Literature) and '研究人员' (Researchers). Below the tabs, there is a '选择数据库: Web of Science 核心合集' dropdown menu, which is highlighted with a red box. To its right is a green box labeled '数据库选择'. Below this, there is a '检索方式' (Search Method) section with a red dashed box around it. This section includes tabs for '文献', '被引参考文献', and '化学结构'. A search input field contains the text '主题' and '示例: oil spill\* mediterranean'. Below the input field are buttons for '+ 添加行', '+ 添加日期范围', and '高级检索'. At the bottom right of the search area are buttons for '清除' and '检索'. The footer of the page features the Clarivate logo on the left and a '15 ?' icon on the right.

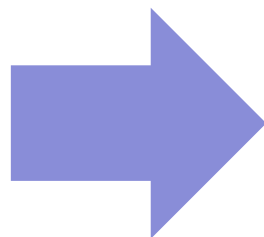
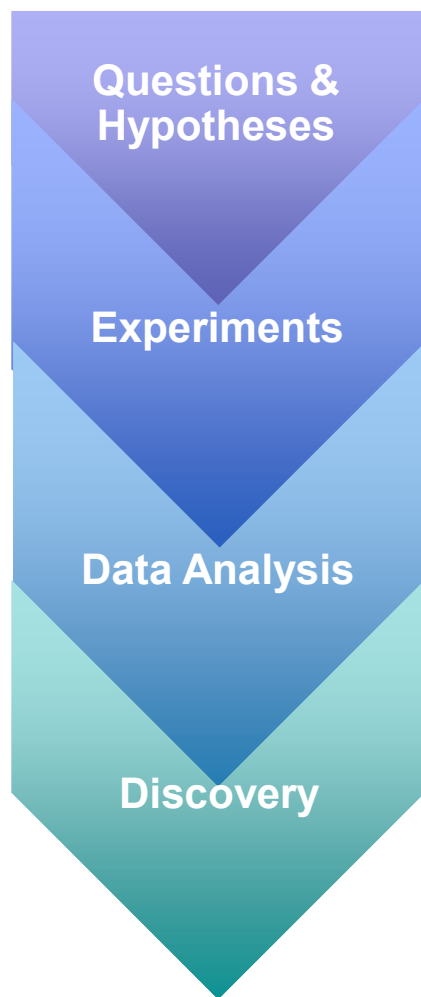
## **2. Web of Science在科研选题与 投稿选刊中的应用**

# Research Workflow



- 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

# 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?
- 如何高效开展课题调研?
- 如何高效管理文献, 实现文献资源共享?
- 如何快速获取最新研究进展?
- 如何选择合适的投稿期刊?

# 选题的方法与思路

## 1. 如何洞悉本领域的研究前沿?



# 如何洞悉本领域的研究前沿?

The screenshot displays the 'InCites Essential Science Indicators' interface. At the top, there are tabs for 'Indicators', 'Field Baselines', and 'Citation Thresholds'. The main section is titled 'Top Papers by Research Fronts'. On the left, there is a 'Results List' dropdown set to 'Research Fronts', a 'Filter Results' section with 'Add Filter' and 'Include Results For' (set to 'Top Papers'), and 'Clear' and 'Save Criteria' buttons. A world map visualization is shown in the center, with a 'Hide Visualization' button. Below the map, a 'Report View' dropdown is set to 'Top Papers', and a table of results is visible. The first entry in the table is a paper with the title 'SHARP LANDEN TRANSFORMATION INEQUALITIES; CONFORMABLE INTEGRAL INEQUALITIES; GENERALIZED HYPERGEOMETRIC FUNCTIONS; DISCRETE MAJORIZATION'. The table has columns for 'Fronts', 'Top Papers', and 'Mea Year'.

**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**

# 研究前沿的获取：根据关键词获取研究前沿

基于关键词快速遍历各领域焦点信息 每2月更新—动态跟踪

## 按照关键词浏览

Results List

Research Fronts

Filter Results

Attributes

Research Fields

Research Fronts

Results List

Research Fronts

Filter Results By

Neuroscience

Map View by Top / Hot / Highly Cited Papers

Hide Visualization

神经科学

Report View by Selection

Customize

Total: 4

1

2

2

2

Top Papers

Mean Year

2020

2019

Neuroscience

认知神经科学; 认知; 当前问题 ANC 历史; 扩散决策模型; 序列采样模型; 肥胖; 执行功能表现; 健康神经科学观点; 超重个体; 前额皮质; 人类大脑皮层; 40 个国家; 全球神经科学; 基因结构; 大脑; 深度学习框架; 深度神经网络; 科学模型; 神经科学

查看核心论文  
了解研究细节

# 研究前沿：关注研究前沿的发展趋势、重点作者资源

InCites Essential Science Indicators

Indicators Field Baselines Citation Thresholds

Papers by Research Field

1 NEAR-INFRARED FLUOROPHORES FOR BIOMEDICAL IMAGING  
By HONG, GS; ANTARIS, AL; DAI, HJ  
Source: NATURE BIOMEDICAL ENGINEERING 1 (1) - JAN 2017  
Research Fields: BIOLOGY & BIOCHEMISTRY

2 A SMALL-MOLECULE DYE FOR NIR-II IMAGING  
By ANTARIS, AL; CHEN, H; CHENG, K, et al  
Source: NATURE MATERIALS 16 (2) 235 - FEB 2016  
Research Fields: MATERIALS SCIENCE

3 CRUCIAL BREAKTHROUGH OF SECOND NEAR-INFRARED BIOLOGICAL WINDOW FLUOROPHORES: DESIGN AND SYNTHESIS TOWARD MULTIMODAL IMAGING AND THERANOSTICS  
By HE, SQ; SONG, J; GU, JL, et al  
Source: CHEMICAL SOCIETY REVIEWS 47 (12) 4258-4278 JUN 21 2018  
Research Fields: CHEMISTRY

4 LIFETIME-ENGINEERED NIR-II NANOPARTICLES UNLOCK MULTIPLEXED IN VIVO IMAGING

Click on the title to link to Web of Science

InCites Essential Science Indicators

Indicators Field Baselines Citation Thresholds

Papers by Research Field

1 NEAR-INFRARED FLUOROPHORES FOR BIOMEDICAL IMAGING  
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By HE, SQ; SONG, J; GU, JL, et al  
Source: CHEMICAL SOCIETY REVIEWS 47 (12) 4258-4278 JUN 21 2018  
Research Fields: CHEMISTRY

4 LIFETIME-ENGINEERED NIR-II NANOPARTICLES UNLOCK MULTIPLEXED IN VIVO IMAGING

Near-infrared fluorophores for biomedical imaging

作者: Hong, GS (Hong, Guosong) [1]; Antaris, AL (Antaris, Alexander L) [1]; Dai, HJ (Dai, Hongjie) [1]

Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)

NATURE BIOMEDICAL ENGINEERING

卷: 1 期: 1

文献号: 0010

DOI: 10.1038/s41551-016-0010

出版日期: JAN 2017

已发表: 2016-12-28

文献类型: Review

摘要

In vivo near-infrared (NIR) fluorescence imaging is an emerging biomedical imaging modality for use in both fundamental scientific research and clinical practice. Owing to advances in reducing photon scattering, light absorption and autofluorescence through innovations in the broad 700-1,700 nm NIR window, NIR fluorescence affords high imaging resolution with increasing tissue penetration depths. In this Review, we cover recent progress made on NIR fluorescence imaging in both the 700-900 nm NIR and the 1,000-1,700 nm NIR-II windows by highlighting an increasingly developing palette of biocompatible NIR fluorophores that span the entire NIR window and include inorganic nanoparticles, organic macromolecules and small molecules with tunable emission wavelengths. Together with advances in imaging instrumentation allowing for the efficient detection of long-wavelength NIR photons, recently developed NIR fluorophores have facilitated biomedical imaging from contrast-enhanced imaging of anatomical structures and molecular imaging of specific biomarkers to functional imaging of physiological activities, both for preclinical animal studies and clinical diagnostics and interventions.

关键词

Keywords Plus: WALLED CARBON NANOTUBES; AG25 QUANTUM DOTS; SEMICONDUCTING POLYMER NANOPARTICLES; FLUORESCENCE-GUIDED RESECTION; AGGREGATION-INDUCED EMISSION; REAL-TIME VISUALIZATION; IN-VIVO VISUALIZATION; BETA-AMYLOID PLAQUES; OPTICAL PROPERTIES; II FLUORESCENCE

作者信息

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电子邮件地址: hdai@stanford.edu

类别/分类

研究方向: Engineering

基金资助

| 基金资助机构   | 授权号               | 显示所有详细信息 |
|--|-------------------|----------|
| United States Department of Health & Human Services<br>National Institutes of Health (NIH) - USA | 5R01CA135109-02   | 显示详情     |
|  | 1R01HL127113-01A1 | 显示详情     |
| Cal-BRAIN grant  |                   |          |
| Stanford University  |                   | 显示详情     |
| National Science Foundation (NSF)  |                   | 显示详情     |

基金资助

引文网络

来自 Web of Science 核心合集

1,127 被引频次

创建引文网络

1,143 200 被引频次 所有数据库 被引用的参考文献

查看更多被引频次 查看相关记录

您可能也感兴趣...

Paquin, C  
Near infrared spectroscopy: A mature analytical technique with new perspectives - A review  
ANALYTICA CHIMICA ACTA

Pélabá, N; Dong, Z  
Cisplatin nephrotoxicity: Mechanisms and renoprotective strategies  
KIDNEY INTERNATIONAL

Qin, W; Ding, D; Tang, BZ, et al  
Biocompatible Nanoparticles with Aggregation-Induced Emission Characteristics as Far-Red/Near-Infrared Fluorescent Bioprobes for In Vitro and In Vivo Imaging Applications  
ADVANCED FUNCTIONAL MATERIALS

Cole, MJ; Dowling, K; Hares, JD, et al  
Fluorescence lifetime imaging system for biomedicine and spectroscopy  
PROCEEDINGS OF INTER-INSTITUTE WORKSHOP ON IN VIVO OPTICAL IMAGING AT THE NIH

Cui, CC; Yang, JB; Wang, XW, et al  
Functions and mechanisms of circular RNAs in cancer radiotherapy and chemotherapy resistance  
MOLECULAR CANCER

全部查看

最近被以下文献引用:

Han, XY; Wang, Y; Chen, LX, et al  
Fluorescent probes for biomolecule detection under environmental stress  
JOURNAL OF HAZARDOUS MATERIALS

# 研究前沿：关注研究前沿的发展趋势、重点作者资源

InCites Essential Science Indicators

Indicators | Field Baselines | Citation Thresholds

Indicators | Documents

1

Select download format

- CSV
- XLS

Papers by Research Field

Citation Trends

Sort By: Citations

Documents

Filter Results By

Add Filter

Filter Results By

- VIVO NIR-II IMAGING; VIVO HIGH-RESOLUTION RATIO-METRIC FLUORESCENCE IMAGING; VIVO MOLECULAR IMAGING; NIR-II IMAGING; EFFICIENT 1064 NM NIR-II EXCITATION FLUORESCENT MOLECULAR DYE

Include Results For

Top Papers

Clear Save Criteria

| Rank | Title  | Times Cited | Research Front |
|------|--|-------------|----------------|
| 1    | NEAR-INFRARED FLUOROPHORE-BASED HIGH-RESOLUTION RATIO-METRIC FLUORESCENCE IMAGING  | 999         | Research Front |
| 2    | A SMALL-MOLECULE DYE FOR NIR-II IMAGING  | 750         | Research Front |
| 3    | CRUCIAL BREAKTHROUGH OF SECOND NEAR-INFRARED BIOLOGICAL WINDOW FLUOROPHORES: DESIGN AND SYNTHESIS TOWARD MULTIMODAL IMAGING AND THERANOSTICS | 342         | Research Front |
| 4    | LIFETIME-ENGINEERED NIR-II NANOPARTICLES UNLOCK MULTIPLEXED IN VIVO IMAGING  | 316         | Research Front |
| 5    | NEXT-GENERATION IN VIVO OPTICAL IMAGING WITH SHORT-WAVE INFRARED QUANTUM DOTS  | 271         | Research Front |
| 6    | AN EFFICIENT 1064 NM NIR-II EXCITATION FLUORESCENT MOLECULAR DYE FOR DEEP-TISSUE HIGH-RESOLUTION DYNAMIC BIOIMAGING                          | 252         | Research Front |

InCites Essential Science Indicators

Documents Result List: Research Fronts - 'HUMAN 3PN EMBRYOS;HUMAN EMBRYOS;CRISPR/CAS9-MEDIATED GENE EDITING;CRISPR/CAS-MEDIATED

| Accession Number    | DOI       | PMID              | Article Na | Authors  | Source   | Research | Times Cite | Countries | Address   | Institution | Publicatio |
|---------------------|-----------|-------------------|------------|----------|----------|----------|------------|-----------|-----------|-------------|------------|
| WOS:000354054700006 | 10.1007/s | MEDLINE: CRISPR/C | LIANG, PP  | PROTEIN  | BIOLOGY  | 468      | CHINA MA   | SUN YAT S | SUN YAT S | 2015        |            |
| WOS:000408279000030 | 10.1038/n | MEDLINE: CORRECTI | MA, H;MA   | NATURE 5 | MOLECU   | 367      | CHINA MA   | OREGON    | BEIJING G | 2017        |            |
| WOS:000412214100045 | 10.1038/n | MEDLINE: GENOME   | FOGARTY,   | NATURE 5 | MOLECU   | 127      | ENGLAND    | FRANCIS   | BOURN H   | 2017        |            |
| WOS:000376294100005 | 10.1007/s | MEDLINE: INTRODU  | KANG, XJ;  | JOURNAL  | CLINICAL | 127      | CHINA MA   | GUANGZH   | GUANGZH   | 2016        |            |

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Export Date 2021-

2

作为一组文献进行检索：

Clarivate

Web of Science

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

入藏号

WOS:000513179100004 WOS:000528774300001 WOS:000537734300001 WOS:0006150974

+ 添加行 | + 添加日期范围 | 高级检索

x 清除 | 检索

3

检索字段：入藏号

# 研究前沿：关注研究前沿的发展趋势、重点作者资源

| Research Fronts  | Top Papers | Mean Year |
|--|------------|-----------|
| VIVO NIR-II IMAGING; VIVO HIGH-RESOLUTION RATIO METRIC FLUORESCENCE IMAGING; VIVO MOLECULAR IMAGING; NIR-II IMAGING; EFFICIENT 1064 NM NIR-II EXCITATION FLUORESCENT MOLECULAR DYE | 49         | 2018.5    |

## 作者 分析检索

排序方式: 检索结果数 显示: 25 最少记录数: 1

可视化数据: 树状图 检索结果数: 10



张凡教授  
复旦大学

戴宏杰院士



国家科学技术方面最高咨询机构

首页 学部介绍 院士信息 院士大会 院士增选 智库建设 出版物 学部工作局 在线留言 请输入检索词

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- 已故外籍院士名单
- 相关统计



年汤森路透全球2...  
戴宏杰的科研  
纳米带等纳米碳材  
料发展新型光电子  
均匀成核和生长...  
物、蛋白、抗体的  
和其中的血液流动

### 2020年度科睿唯安“引文桂冠奖”获奖名单:

#### 生理学或医学领域

Pamela J. Bjorkman, 美国加州理工学院生物和生物工程教授 (David Baltimore Professor)

Jack L. Strominger, 美国哈佛大学生物化学系希金斯研究教授 (Higgins Research Professor)

获奖原因: 确定主要组织相容性复合体 (MHC) 蛋白质的结构和功能, 这是分子免疫学中的一个里程碑式的发现, 有助于药物和疫苗开发

Yusuke Nakamura, 日本癌症研究会癌症精准医疗中心主任、东京大学名誉教授、美国芝加哥大学名誉教授

获奖原因: 开发和应用多态性遗传标记物的开创性研究, 以及对全基因组关联研究的贡献, 开启了癌症的个性化治疗

Huda Y. Zoghbi, 儿科、分子和人类遗传学、神经病学和神经科学系教授、美国贝勒医学院院长, 德克萨斯州儿童医院Jan和Dan Duncan神经科学研究所所长, 霍华德·休斯医学研究所研究员

获奖原因: 发现了包括雷特综合征 (Rett syndrome) 的遗传起源在内的神经系统疾病的发病机制

#### 物理学领域

Thomas L. Carroll, 美国海军研究实验室计算材料科学中心物理学研究员

Louis M. Pecora, 美国海军研究实验室磁性材料和非线性动力学研究物理学家

获奖原因: 包括混沌系统的同步在内的非线性动力学研究

Hongjie Dai, 美国斯坦福大学化学系化学教授 (J.G.ackson & C.J.Wood Professor)

Alex Zettl, 美国加州大学伯克利分校物理学教授、加州大学伯克利分校劳伦斯伯克利国家实验室高级教授科学家

获奖原因: 碳和氮化硼纳米管的制造和新奇应用

arlos S. Frenk, 英国杜伦大学计算宇宙学研究所主任兼基础物理学奥格登中心教授

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科睿唯安、中国工程院战略咨询中心、高等教育出版社联合发布《全球工程前沿2021》, 揭示全球工程研究热点  
66 views

2021年度《期刊引证报告》(JCR) 将正式引入在线发表内容  
51 views

# 如何洞悉本领域的研究前沿?

## Research Fronts 研究前沿报告

科睿唯安与中国科学院合作发布《2014研究前沿》、《2015研究前沿》、《2016研究前沿》  
《2017研究前沿》、《2018研究前沿》、《2019研究前沿》、《2020研究前沿》、《2021研究前沿》



# 如何洞悉本领域的研究前沿?

## 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

## Research Fronts 研究前沿报告



### 生态与环境科学

|  |    |
|--|----|
| 1. 热点前沿及重点热点前沿解读                         | 21 |
| 1.1 生态与环境科学领域 Top 10 热点前沿发展态势            | 21 |
| 1.2 重点热点前沿——“昆虫衰退现状、灭绝危机与驱动因素”           | 22 |
| 1.3 重点热点前沿——“全氟和多氟烷基化合物的分布、暴露、毒理和污染控制技术” | 26 |
| 2. 新兴前沿及重点新兴前沿解读                         | 30 |
| 2.1 新兴前沿概述                               | 30 |
| 2.2 重点新兴前沿解读——“大气二氧化氮水平与新冠肺炎死亡率升高相关”     | 30 |

# 《2021研究前沿》生态与环境科学领域Top10热点前沿



表 7 生态与环境科学领域 Top 10 热点前沿

| 排名 | 热点前沿                       | 核心论文 | 被引频次 | 核心论文平均出版年 |
|----|----------------------------|------|------|-----------|
| 1  | 空气、水体、物体表面等环境中新型冠状病毒的检测与传播 | 31   | 1843 | 2020      |
| 2  | 新冠肺炎疫情期间的封锁隔离措施对空气质量的影响    | 27   | 1295 | 2020      |
| 3  | 昆虫衰退现状、灭绝危机与驱动因素           | 20   | 1828 | 2019.4    |
| 4  | 燃煤及工业烟气中汞污染的消除             | 27   | 1225 | 2018.9    |
| 5  | 微塑料在土壤中的暴露及对土壤生态系统的影响      | 29   | 2657 | 2018.2    |
| 6  | 全氟和多氟烷基化合物的分布、暴露、毒理和污染控制技术 | 36   | 3008 | 2018.1    |
| 7  | 低成本大气颗粒物传感器性能评估            | 17   | 1395 | 2018.1    |
| 8  | 气溶胶与大气边界层相互作用及其对空气质量的影响    | 22   | 1977 | 2018      |
| 9  | 全球空气污染造成的死亡率和疾病负担估计        | 3    | 1884 | 2018      |
| 10 | 物种界定方法的改进                  | 11   | 1351 | 2018      |



# 与工程院合作全球工程前沿



《2021全球工程前沿》报告基于 Web of Science 核心合集 2015~2020 年的 SCI 期刊论文和会议论文数据，结合专家提名，经过论证、问卷调查和研讨，围绕 9 个领域，遴选出 93 个年度工程研究前沿和 93 个工程开发前沿。其中能源与矿业工程领域在研究前沿与开发前沿各有 12 项入选，化工冶金与材料工程领域各有 11 项入选，机械与运载工程、信息与电子工程、土木水利与建筑工程、环境与轻纺工程、农业、医药卫生、工程管理等领域均各有 10 项入选。

《2021全球工程前沿》报告下载地址：

<https://img02.ma.scrmtch.com/18476/1812/resource/1639484553/%E5%85%A8%E7%90%83%E5%B7%A5%E7%A8%8B%E5%89%8D%E6%B2%BF2021-%E5%B0%8F-%E7%A7%91%E7%9D%BE%E5%94%A5%E5%A5%89.pdf>

# 2021年 化工、冶金与材料工程领域Top 10 工程研究前沿

表 1.1.1 化工、冶金与材料工程领域 Top 11 工程研究前沿

| 序号 | 工程研究前沿                     | 核心<br>论文数 | 被引<br>频次 | 篇均<br>被引频次 | 平均<br>出版年 |
|----|----------------------------|-----------|----------|------------|-----------|
| 1  | 新型高性能陶瓷储能材料及电容器            | 80        | 11 828   | 147.85     | 2017.0    |
| 2  | CO <sub>2</sub> 合成多碳平台化合物  | 250       | 21 383   | 85.53      | 2016.4    |
| 3  | 核制氢耦合冶金技术研究                | 51        | 3 161    | 61.98      | 2016.7    |
| 4  | 高性能聚合物受体及其在柔性全聚合物太阳能电池中的应用 | 171       | 22 224   | 129.96     | 2017.2    |
| 5  | 低碳高效先进气体分离纯化材料设计和应用        | 261       | 21 148   | 81.03      | 2016.5    |
| 6  | 半导体光存储材料与器件研究              | 121       | 14 841   | 122.65     | 2017.0    |
| 7  | 快速自愈合高分子材料设计               | 151       | 40 410   | 267.62     | 2016.4    |
| 8  | 多相微观界面演变行为                 | 212       | 10 128   | 47.77      | 2016.6    |
| 9  | 新型智能生物材料仿生设计与材料生物学理论       | 133       | 13 224   | 99.43      | 2017.1    |
| 10 | 极地船舶用低温钢等关键材料的研究           | 91        | 399      | 4.38       | 2018.3    |
| 11 | 高催化活性纳米酶的设计与应用             | 114       | 14 133   | 123.97     | 2017.4    |

## 2. 如何高效开展课题调研?

# 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

# 如何快速获取该领域的高影响力的论文?

查文献

查1篇论文?

很容易!

查某课题领域论文?

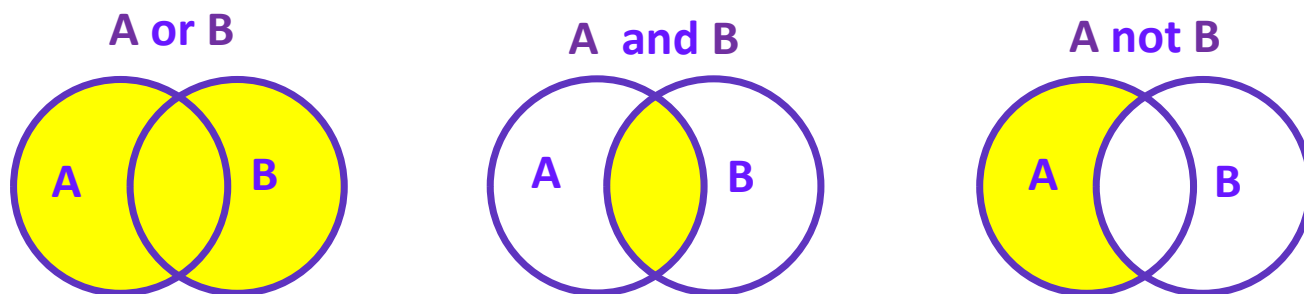


# 如何快速找到高影响力的文献？ 检索案例：无人机

The screenshot shows the Web of Science search interface. At the top, there is a navigation bar with the Clarivate logo, a language dropdown set to '简体中文', and a '产品' (Products) menu. Below this, the 'Web of Science' logo and the '检索' (Search) tab are visible. The user's name 'qingwen yuan' is shown in the top right. The main search area has two tabs: '文献' (Literature) and '研究人员' (Researchers). The '文献' tab is active. Below the tabs, the search database is set to 'Web of Science 核心合集' and the citation index to 'Science Citation Index Expanded (SCI-EXPANDED)--1900-至今'. There are three sub-tabs: '文献', '被引参考文献', and '化学结构'. The '文献' sub-tab is active. A search input field is highlighted with a red border, containing the query: '主题 ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane)))'. Below the input field are buttons for '+ 添加行', '+ 添加日期范围', and '高级检索'. A purple callout box on the right contains the following text:

**主题检索**  
**\*关键词：** ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane)))  
**数据库范围：** SCIE

# 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 |

# 如何快速找到高影响力的文献?

30000+论文  
从何下手?!

The screenshot displays the Web of Science search results page. At the top, the Clarivate logo and 'Web of Science' branding are visible. The search query is: ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* ...)). The results section shows 30,128 items from the Science Citation Index Expanded (SCI-Expanded). A specific result is highlighted: 'Emergence of norms in interactions with complex rewards' by Abeywickrama, DB; Griffiths, N; Mouzakitis, A, published in 'AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS' in June 2023, with 37 citations and 57 references. The interface includes navigation menus, search filters, and options to analyze results or generate reports.

Clarivate

简体中文 产品

Web of Science™ 检索

qingwen yuan

检索 > ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* ...

30,128 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

Q ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane))) (主题)

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复制检索式链接

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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

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- 热点论文 18
- 综述论文 929
- 在线发表 565
- 开放获取 14,861

0/30,128 添加到标记结果列表 导出

排序方式: 日期: 降序 < 1 / 603 >

1 Emergence of norms in interactions with complex rewards

Abeywickrama, DB; Griffiths, N; Mouzakitis, A

Jun 2023 | AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS 37 (1)

57 参考文献

被引参考文献深度分析

Autonomous agents are becoming increasingly ubiquitous and are playing an increasing role in wide range of safety-critical systems, such as driverless cars, exploration robots and unmanned aerial vehicles. These agents operate in highly dynamic and heterogeneous environments, resulting in complex behaviour and interactions. Therefore, the need arises t ... 显示更多

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引文主题中观

- 4.29 Automation & Control Systems 5,779
- 4.13 Telecommunications 4,756
- 4.169 Remote Sensing 4,424
- 4.116 Robotics 1,531
- 4.17 Computer Vision & Graphics 1,421

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Web of Science 类别

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- Telecommunications 4,966
- Remote Sensing 3,987
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- Environmental Sciences 3,242

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1 Emergence of norms in interactions with complex rewards

Abeywickrama, DB; Griffiths, N; Mouzakitis, A

Jun 2023 | AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS 37 (1)

57 参考文献

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Autonomous agents are becoming increasingly ubiquitous and are playing an increasing role in wide range of safety-critical systems, such as driverless cars, exploration robots and unmanned aerial vehicles. These agents operate in highly dynamic and heterogeneous environments, resulting in complex behaviour and interactions. Therefore, the need arises to model and understand more complex and nua ... 显示更多

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2 Suppressing UAV payload swing with time-varying cable length through nonlinear coupling

Huang, JW; Tao, H; Sun, JQ

Feb 15 2023 | MECHANICAL SYSTEMS AND SIGNAL PROCESSING 185

27 参考文献

This paper introduces a method to navigate the UAV flight and to suppress the payload swing by a nonlinear coupling control augmented with time-varying cable length. Special error signals are introduced that bring further coupling of dynamics among various states of the UAV and enable the flight control to effectively suppress the payload swing. The control is designed with the help of the dyna ... 显示更多

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检索 > ((UAV or UAVs or ((unman\* ... > ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* ...

4,424 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

Q ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane)))) (主题)

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- 综述论文 199
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- 开放获取 2,878
- 相关数据 99
- 被引参考文献深度分析 1,056

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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  
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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

1 Individual tree detection from **unmanned aerial vehicle (UAV)** derived point cloud data in a mixed broad hierarchical graph approach  
Ahmadi, SA; Ghorbanian, A; (...); Jamali, S  
Dec 31 2022 | EUROPEAN JOURNAL OF REMOTE SENSING 55 (1), pp.520-539

被引参考文献深度分析

Studying individual trees is a common way that scientists employ to study forests and estimate forest parameters. In this study, a gra was developed for detecting individual trees in a broadleaf, complex forest region based on **UAV**-derived point cloud data. Horizontal different heights were applied to the Canopy Height Model (CHM) to extract initial candidates

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# Web of Science帮助快速定位重要文献来阅读

Web of Science™

检索

qingwen yuan

检索 > ((UAV or UAVs or ((unman\* ... > ((UAV or UAVs or ((unman\* ... > ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* ...

4,424 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:

Q ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane)))) (主题)

分析检索结果

引文报告

创建跟踪服务

精炼依据: (引文主题中观: 4.169 Remote Sensing X) 全部清除

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- 被引参考文献深度分析 1,056

0/4,424 添加到标记结果列表 导出

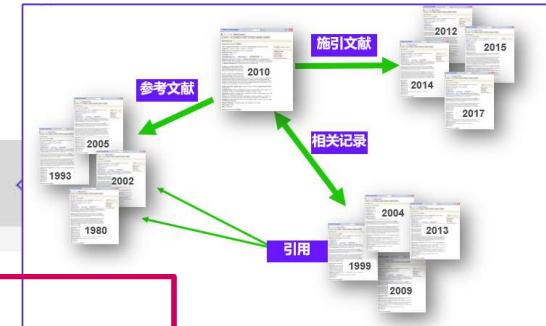
排序方式: 被引频次: 最高优先

1 / 89

- 1 **Unmanned aerial** systems for photogrammetry and remote sensing: A review 1,460  
被引频次  
[Colomina, I and Molina, P](#)  
Jun 2014 | *ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING* 92, pp.79-97 148  
参考文献  
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### Unmanned aerial systems for photogrammetry and remote sensing: A review

作者: Colomina, I (Colomina, I) [1]; Molina, P (Molina, P) [1]

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ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING

卷: 92 页: 79-97  
DOI: 10.1016/j.isprsjprs.2014.02.013  
出版时间: JUN 2014  
已索引: 2014-06-01  
文献类型: Review

Ismael Colomina教授是西班牙GeoNumerics有限公司的董事长和首席科学家，是著名的国际大地测量专家、博士生导师。Ismael Colomina教授率先引入GPS辅助空三测量和推广INS/GNSS辅助普通机载传感器定向，是无人机摄影测量遥感及其搜索救援等应用的早期推动者，是动态网络概念的首创者之一（另一位是Marta Blázquez博士，2004年），也是空地协同测图概念的提出者之一（另一位是Jaume Sastre），目前主要从事飞机稳健精准定位定向、空地移动测图等测绘导航应用中的多传感器融合技术研究。

#### 摘要

We discuss the evolution and state-of-the-art of Unmanned Aerial Systems, Unmanned Aerial Vehicles, and even war and peace. Modern photogrammetry and remote sensing, these two sister disciplines have developed technology and methods that challenge the current aeronautical regulatory framework and their own traditional acquisition and processing methods. Naveity and ingenuity have combined off-the-shelf, low-cost equipment with sophisticated computer vision, robotics and geomatic engineering. The results are cm-level resolution and accuracy products that can be generated even with cameras costing a few-hundred euros. In this review article, following a brief historic background and regulatory status analysis, we review the recent unmanned aircraft, sensing, navigation, orientation and general data processing developments for UAS photogrammetry and remote sensing with emphasis on the nano-micro-mini UAS segment. (C) 2014 International Society for Photogrammetry and Remote Sensing, Inc. (ISPRS) Published by Elsevier B.V. All rights reserved.

#### 关键词

作者关键词: UAV; Review; Photogrammetry; Remote sensing  
Keywords Plus: UAV PHOTOGRAMMETRY; POINT CLOUDS; VEHICLE; NAVIGATION; MODELS; IMAGES; SENSOR; RECONSTRUCTION; QUADROPTER; ORIENTATION

#### 作者信息

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1 An estimation method of Unmanned Aerial Vehicle rotor spin frequency based on laser micro-Doppler effect

Zhang, JL; Dai, X; (...); Zhang, YW

Jan 1 2023 OPTICS COMMUNICATIONS 526 23 参考文献

Accurately estimating the rotor spin frequency of Unmanned Aerial Vehicles (UAVs) is of great significance for UAV detection and identification. However, the existing estimation methods are difficult to accurately estimate the spin frequency in different frequency bands. In this paper, for the laser radar UAV rotor target echo model, a method of estimating the rotor spin frequency of UAV based ... [显示更多](#)

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### 作者信息

通讯作者地址: Molina, P. (通讯作者)


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1  Survey on Coverage Path Planning with Unmanned Aerial Vehicles 151 被引频次  
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[Cabreira, TM; Brisolará, LB and Paulo, RF](#)  
Mar 2019 | [DRONES](#) 3 (1)

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Coverage path planning consists of finding the route which covers every point of a certain area of interest. In recent times, Unmanned Aerial Vehicles (UAVs) have been employed in several application domains involving terrain coverage, such as surveillance, smart farming, photogrammetry, disaster management, civil security, and wildfire tracking, among others. This paper aims to explore and ana ... [显示更多](#)

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[Abdel-Nasser, M.](#); [Puig, D.](#); (...); [Melendez, J.](#)  
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Advanced Navigation, Sydney, NSW, Australia

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[Bose, D; Mondal, A; \(...\); Chatterjee, S](#)  
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The 1991 Persian Gulf War veterans presented a myriad of symptoms that ranged from chronic pain, fatigue, gastrointestinal disturbances, and cognitive deficits. Currently, no therapeutic regimen exists to treat the plethora of chronic symptoms though newer pharmacological targets

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摘要

The 1991 Persian Gulf War veterans presented a myriad of symptoms that ranged from chronic pain, fatigue, gastrointestinal disturbances, and cognitive deficits. Currently, no therapeutic regimen exists to treat the plethora of chronic symptoms though newer pharmacological targets such as microbiome have been identified recently. Toll-like receptor 4 (TLR4) antagonism in systemic inflammatory diseases have been tried before with limited success, but strategies with broad-spectrum TLR4 antagonists and their ability to modulate the host-microbiome have been elusive. Using a mouse model of Gulf War Illness, we show that a nutraceutical, derived from a Chinese herb Sparstolonin B (SsnB) presented a unique microbiome signature with an increased

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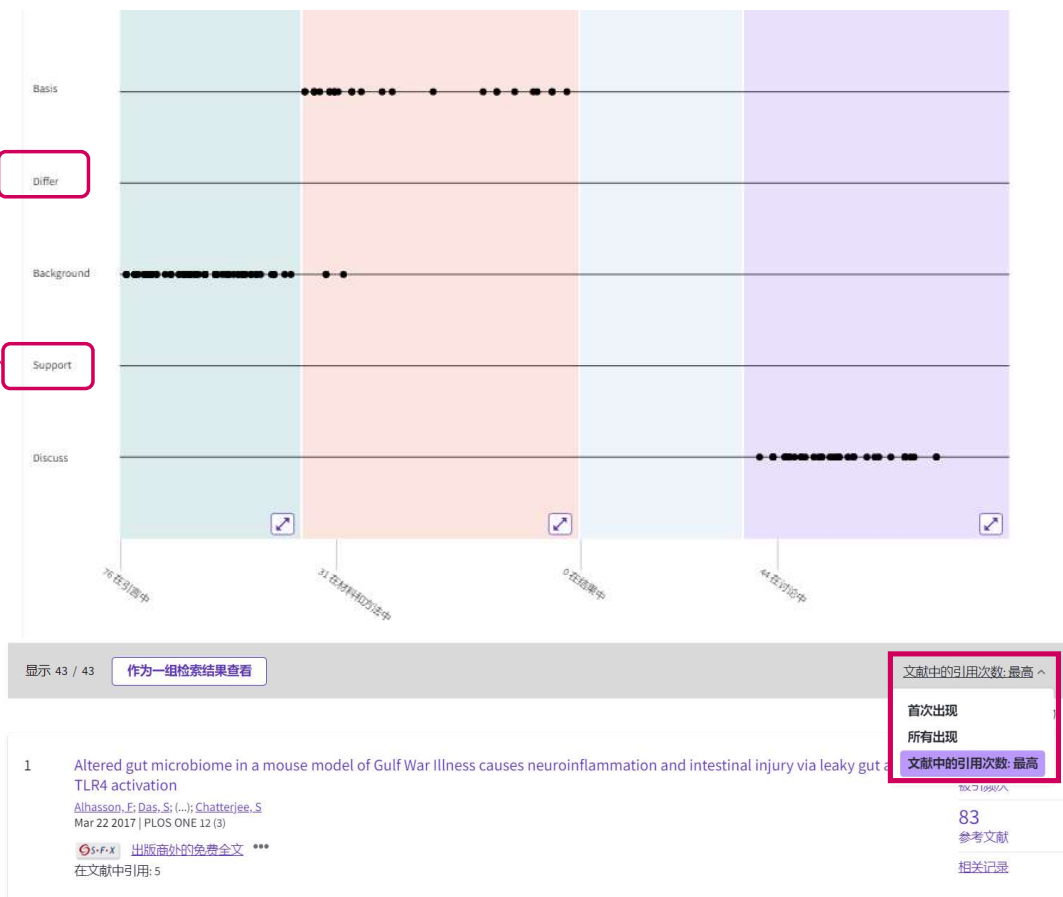
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Pajares, G 基于无人机的遥感应应用综述及现状



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 exponentially. These two factors together have led to the increasing ... 显示更多

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Koeva, M; Muneza, M; (...); Nex, F

2018 | SURVEY REVIEW 50 (361), pp.312-325

Aerial or satellite images are conventionally used for geospatial data collection. However, unmanned aerial vehicles (UAVs) are emerging as a suitable technology for providing very high spatial and temporal resolution data at a low cost. This paper aims to show the potential of using UAVs for map creation and updating. The whole workflow is introduced in the paper, using a case study in Rwanda, ... 显示更多

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Ma, L.; Liu, Y.; (...); Johnson, BA



Jun 2019 | ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING 152, pp.166-177



Deep learning (DL) algorithms have seen a massive rise in popularity for remote-sensing image analysis over the past few years. In this study, the major DL concepts pertinent to remote-sensing are introduced, and more than 200 publications in this field, most of which were published during the last two years, are reviewed and analyzed. Initially, a meta-analysis was conducted to analyze the sta ... 显示更多

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Zeng, LL; Wardlow, BD; (...); Li, DR



Feb 2020 | REMOTE SENSING OF ENVIRONMENT 237

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引文报告

出版物

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按标记结果列表过滤

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- 高被引论文 9
- 综述论文 14
- 开放获取 27
- 被引参考文献深度分析 2

引文主题中观



- 4.169 Remote Sensing 20
- 4.17 Computer Vision & Graphics 4

0/50

添加到标记结果列表

导出

排序方式: 相关性

< 1 / 1 >

- 1 DETECTION OF ALGAL BLOOMS IN A EUTROPHIC RESERVOIR BASED ON CHLOROPHYLL-A TIME SERIES DATA FROM MODIS.

[German, A; Tauro, C; \(...\); Ferral, A](#)

IEEE International Geoscience & Remote Sensing Symposium

2017 | 2017 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS) , pp.4008-4011

Eutrophication is a phenomenon that affects many water bodies around the world. In severe cases, eutrophication can lead to large algal blooms. This study presents a method to detect algae blooms based on a time series of chlorophyll-a (Chl-a) concentration in the period 2001-2014. This time series is obtained from a semi empirical algorithm generated with MODIS satellite data and in situ ... 显示更多



8  
被引频次

11  
参考文献

[相关记录](#) ?

- 2 Monitoring of Surface Temperature on Parco delle Biancane (Italian Geothermal Area) Using Optical Satellite Data, UAV and Field Campaigns

[Silvestri, M; Marotta, E; \(...\); Teggi, S](#)

Jun 2020 | REMOTE SENSING 12 (12)

11  
被引频次

39  
参考文献

# 如何快速获取该领域的高影响力的论文?

查文献

查1篇论文?

很容易!

查某课题领域论文?

Web of Science

A graphic advertisement for Web of Science. It features a dark background with a glowing blue and yellow circuit-like pattern. In the center, there is a silhouette of a human head facing right, with a glowing brain area. Overlaid on the image is text in white and yellow. The text reads: "Web of Science可以帮你在海量文献中快速高效地获取最有价值的文献!". The words "海量文献中快速高效地获取" and "最有价值的文献!" are highlighted in yellow. There is also some faint, illegible text in the background, possibly representing code or data.

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# 如何获取全文?

## 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

The screenshot shows the Web of Science search results page for the query "molecular machine\*" OR nanite\* OR nanomachine\* (主题). The results are displayed in a list format, with the first two articles highlighted. The first article is "Light-driven artificial molecular machines" by Zheng, YB; Hao, QZ; (...) ; Huang, TJ, published in JOURNAL OF NANOPHOTONICS 4 in August 2010. The second article is "Thoughts about an article of Yamato and coll." by Vicens, J, published in JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY 62 (1-2) in October 2008. Both articles have a "出版商处的免费全文" (Full text from publisher) link, which is highlighted with a red box and a red arrow pointing to the text "跳转至出版商界面获取全文" (Jump to publisher interface to get full text). The left sidebar shows the "快速过滤" (Quick filters) section, where the "开放获取" (Open Access) filter is checked and highlighted with a red box. The top navigation bar includes the Clarivate logo, the search term, and the user's name "qingwen yuan".

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EndNote Click

文献 研究人员

选择数据库: Web of Science 核心合集 引文索引: All

文献 被引参考文献 化学结构

主题 示例: oil spi

+ 添加行 + 添加日期范围 高级检索

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# EndNote Click一键获取全文PDF



Associated Data

出版商处的免费全文

Catch reconstructions reveal that global marine fisheries catches are higher than reported and declining

相关数据

作者: Pauly, D (Pauly, Daniel)<sup>1</sup>; Zeller, D (Zeller, Dirk)

查看 Web of Science ResearcherID

NATURE COMMUNICATIONS

卷: 7

文献号: 10244

DOI: 10.1038/ncomms10244

出版时间: JAN 2016

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My Locker

D. Pauly, D. Zeller  
Nature Communications (2016)

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nature COMMUNICATIONS

ARTICLE

Received 27 Feb 2015 | Accepted 19 Nov 2015 | Published 19 Jan 2016

DOI: 10.1038/ncomms10244 OPEN

## Catch reconstructions reveal that global marine fisheries catches are higher than reported and declining

Daniel Pauly<sup>1</sup> & Dirk Zeller<sup>1</sup>

Fisheries data assembled by the Food and Agriculture Organization (FAO) suggest that global marine fisheries catches increased to 86 million tonnes in 1996, then slightly declined. Here, using a decade-long multinational 'catch reconstruction' project covering the Exclusive Economic Zones of the world's maritime countries and the High Seas from 1950 to 2010, and accounting for all fisheries, we identify catch trajectories differing considerably from the national data submitted to the FAO. We suggest that catch actually peaked at 130 million tonnes, and has been declining much more strongly since. This decline in reconstructed catches reflects declines in industrial catches and to a smaller extent declining discards,



# 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?

Web of Science™ 检索 qingwen yuan

检索 > ((UAV or UAVs or ((unman\* ... > ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* ...

**4,424 条来自 Science Citation Index Expanded (SCI-Expanded)的结果:**

Q ((UAV or UAVs or ((unman\* or unpilot\* or autonomous\*) and (aerial vehicle\* or aerial robot\* or aircraft or airplane or plane)))) (主题) 分析检索结果 引文报告 创建跟踪服务

精炼依据: 引文主题中观: 4.169 Remote Sensing 全部清除

[复制检索式链接](#)

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精炼检索结果

在结果中检索...

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- 高被引论文 175
- 热点论文 3
- 综述论文 199
- 在线发表 37
- 开放获取 2,878
- 相关数据 99
- 被引参考文献深度分析 1,056

0/4,424 添加到标记结果列表 导出

1 Individual tree detection from unmanned hierarchical graph approach  
Ahmadi, SA; Ghorbanian, A; (...); Jamali, S  
Dec 31 2022 | EUROPEAN JOURNAL OF REMOTE SENSING 55 (1), pp.520-539 参考文献

被引参考文献深度分析

Studying individual trees is a common way that scientists employ to study forests and estimate forest parameters. In this study, a graph-based approach was developed for detecting individual trees in a broadleaf, complex forest region based on UAV-derived point cloud data. Horizontal cross-sections at different heights were applied to the Canopy Height Model (CHM) to extract initial candidates ... [显示更多](#)

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- 基金资助机构
- 授权号
- 团体作者
- 机构
- 机构扩展
- 语种
- WOS学科类别
- 引文主题中观
- 编者
- 丛书名称
- 研究方向...

# 如何高效开展课题调研?

该领域相关论文主要发表在哪些学科方向?

分析检索结果

4,424 从 Web of Science 核心合集选择的出版物

Web of Science 类别



# 如何高效开展课题调研?

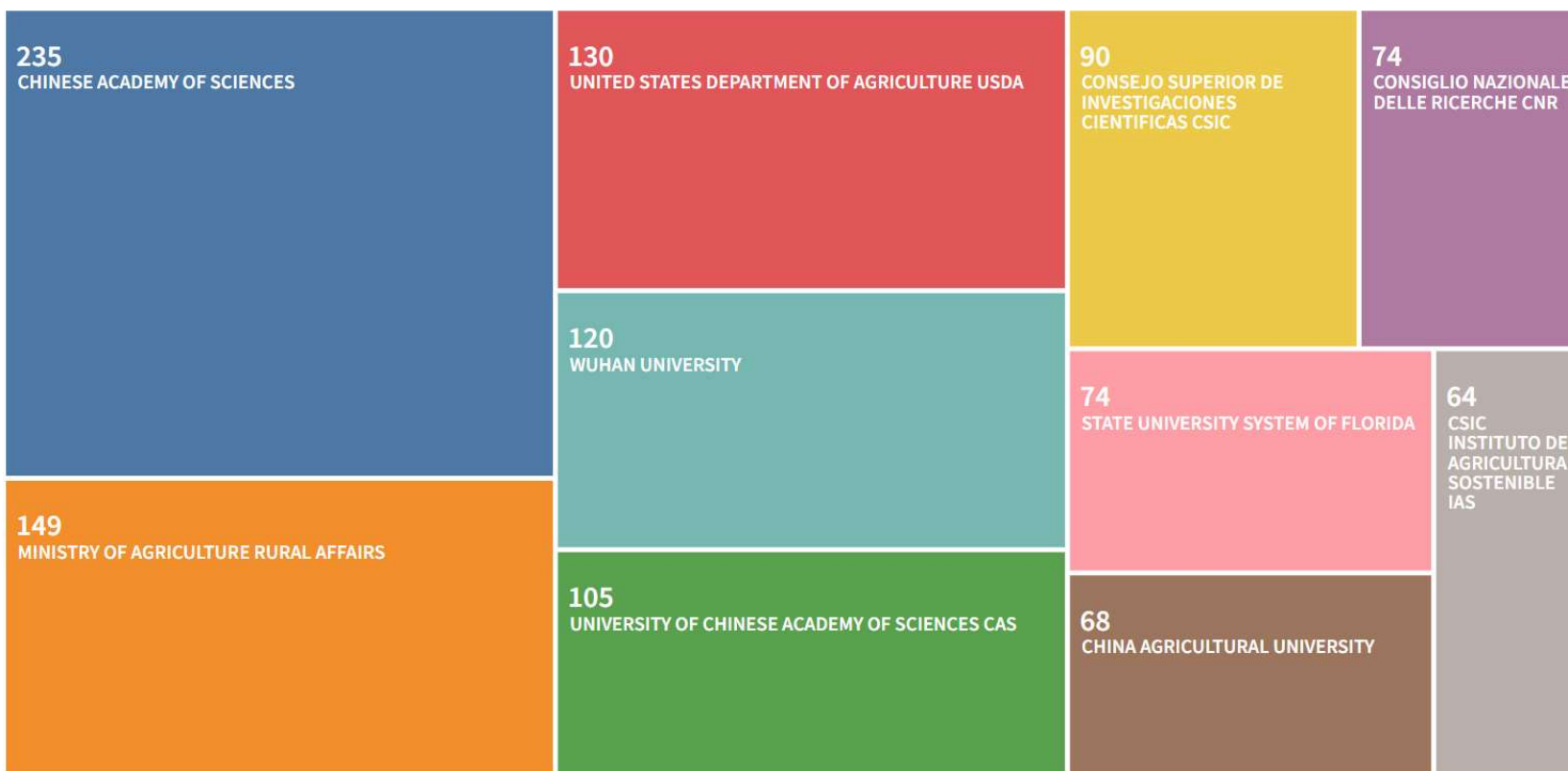
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- 文献类型
- Web of Science类别
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- 所属机构**
- 出版物标题
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- 团体作者
- 研究方向
- 国家/地区
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# 如何高效开展课题调研?

哪些学者发文较多?

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- 语种
- 会议名称
- 丛书名称
- Web of Science索引

## 分析检索结果

4,424 从 Web of Science 核心合集选择的出版物

作者



识别该领域高产出科研人员, 寻求合作者, 以及导师或者审稿人....

### 3. 如何高效管理文献， 实现与课题组文献资源共享？



# 文献管理与写作工具——EndNote® online

The screenshot shows the Web of Science website interface. At the top, there is a navigation bar with the Clarivate logo on the left and '简体中文' and '产品' on the right. Below this, the 'Web of Science' logo is followed by navigation links: '检索', '标记结果列表', '历史', and '跟踪服务'. The main content area has a purple header with the text '探索跨学科内容' and '来自最值得您信赖的全球引文数据库'. Below this, there is a search section with a dropdown menu for '选择数据库: Web of Science 核心合集' and '引文索引: All'. The search interface includes tabs for '文献', '作者', '被引参考文献', and '化学结构'. A search input field contains '示例: liver disease' and a dropdown menu is set to '所有字段'. There are buttons for '+ 添加行', '+ 添加日期范围', and '高级检索'. A product menu is open on the right side, listing various products, with 'EndNote' highlighted in a red box. A red callout box on the right side of the page contains the text 'EndNote only'. Another red callout box at the bottom center of the search area contains the text 'EndNote账号与Web of Science通用 如有WOS账号, 可以直接登录EndNote'.

# EndNote® online – 导入文献资源

Clarivate 简体中文 产品

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:

High-entropy alloys (主题) 分析检索结果 引文报告 创建跟踪服务

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- 高被引论文 132
- 热点论文 10
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- 开放获取 71

出版年

- 2021 10
- 2020 19
- 2019 19
- 2018 15
- 2017 14

全部查看

2/132 添加到标记结果列表 导出

EndNote Online

|                                       |  |   |  |                                   |
|---------------------------------------|--|---|--|-----------------------------------|
| <input checked="" type="checkbox"/> 1 | Outstanding tensile proper room and cryogenic tempe<br>Tong, Y; Chen, D; (...); Kai, JJ<br>Feb 15 2019   ACTA MATERIALIA 165   | EndNote Desktop<br>添加到我的 Publons 个人信息<br>纯文本文件<br>RIS<br>BibTeX<br>Excel<br>制表符分隔文件 | I FeCoNiCrTi0.2 high-entropy alloy at<br>-precipitates but with the same composition itures (77 K) and the corresponding defect- r parent alloy, the prec ... 显示更多   | 90<br>被引频次<br>69<br>参考文献<br>相关记录  |
| <input checked="" type="checkbox"/> 2 | Phase stability in high entr<br>Guo, S and Liu, CT<br>Dec 2011   PROGRESS IN NATURAL<br>The alloy design for equiatomic mu mixing enthalpy, mixing entropy, el solutions forming high entropy allc | 可打印的 HTML 文件<br>InCites<br>FECYT CVN<br>更多导出选项                                      | ion phase or amorphous phase<br>pp.433-446<br>istically analyzing the atomic size difference, on among constituent elements in solid ses form and only form ... 显示更多 | 805<br>被引频次<br>72<br>参考文献<br>相关记录 |

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检索

检索范围 我的所有参考文献

检索

我的参考文献

我的所有参考文献(2605)

[未归档] (101)

临时列表(0)

回收站(12) 清空

▼ 我的组

case (60)

Zhao Xin Paper (112)

冠状病毒SCI (3)

细胞自噬 (2332)

其他人共享的组

Chiroptera (0)

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高效管理参考文献

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关闭

文献已成功导入EndNote个人文献图书馆

| <input type="checkbox"/> | 作者         | 出版年  | 标题  |
|--------------------------|------------|------|---|
| <input type="checkbox"/> | Guo, S.    | 2011 | Phase stability in high entropy alloys: Formation of solid-solution phase or amorphous phase<br>Progress in Natural Science-Materials International<br>添加到文献库: 17 Sep 2021 上次更新日期: 17 Sep 2021<br>在 Web of Science™ 中查看 → 来源文献记录, Related Records, 被引频次: 805<br>SFX Demo OpenURL Link 全文  |
| <input type="checkbox"/> |            | 2019 | Outstanding tensile properties of a precipitation-strengthened FeCoNiCrTi0.2 high-entropy alloy at room and cryogenic temperatures<br>Acta Materialia<br>添加到文献库: 17 Sep 2021 上次更新日期: 17 Sep 2021<br>在 Web of Science™ 中查看 → 来源文献记录, Related Records, 被引频次: 90<br>SFX Demo OpenURL Link 全文 |
| <input type="checkbox"/> | Cai, J. H. | 2018 | A novel hierarchical ZnO-nanosheet-nanorod-structured film for quantum-dot-sensitized solar cells<br>Electrochimica Acta<br>添加到文献库: 03 Aug 2021 上次更新日期: 03 Aug 2021<br>在 Web of Science™ 中查看 → 来源文献记录, Related Records, 被引频次: 11<br>SFX Demo OpenURL Link 全文                              |

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# 规范引用参考文献-Endnote® online

## Cite While You Write™ - 实现word与Endnote® online之间的对接

The screenshot shows the EndNote online web interface. At the top left is the 'Clarivate Analytics | EndNote' logo. A navigation bar contains tabs for '我的参考文献', '收集', '组织', '格式化', '匹配', '选项', and '下载项'. The '格式化' (Format) tab is selected and highlighted with a red box. Below it, a sub-menu is visible with '书目', 'Cite While You Write™ 插件' (highlighted with a red box), '格式化论文', and '导出参考文献'. On the right side of the interface, there are icons for a grid and a user profile. A pink banner in the center of the main content area reads '下载并安装Cite While You Write™'. The main content area displays a list of references under the heading '我的所有参考文献'. The list includes columns for '作者', '出版年', and '标题'. Three references are visible, each with a checkbox and a '添加到组...' dropdown. The first reference is 'Erratum: Sediment Benchmarks Based on Acid-Volatile Sulfide and Simultaneously Extracted Metals-When Is Organic Carbon Normalization Meaningful? Integr Environ Assess Manag', published in 2020. The second reference is 'Learned Discourses: Timely Scientific Opinions Integr Environ Assess Manag', also published in 2020. The third reference is 'Quantitative Remote Sensing at Ultra-High Resolution with UAV Spectroscopy: A Review of Sensor Technology, Measurement Procedures, and Data Correction Workflows Remote Sensing', published in 2018. A sidebar on the left contains a search bar and navigation options. A top-right notification box says 'Working on a group project? Check out Library Sharing on X9'. A bottom-right notification box says '显示快速入门指南'.

快速检索

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我的参考文献

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[未归档] (0)

临时列表(0)

回收站(631) 清空

▼ 我的组

21312 (12)

case (60)

ref try (25)

Zhao Xin Paper (112)

冠状病毒SCI (3)

细胞自噬 (2329)

其他人共享的组

Chiroptera (0)

Journals (from WOS-SCIE) (0)

政策文件 (23)

我的所有参考文献

每页显示 50 个

当前页 1 /51 开始

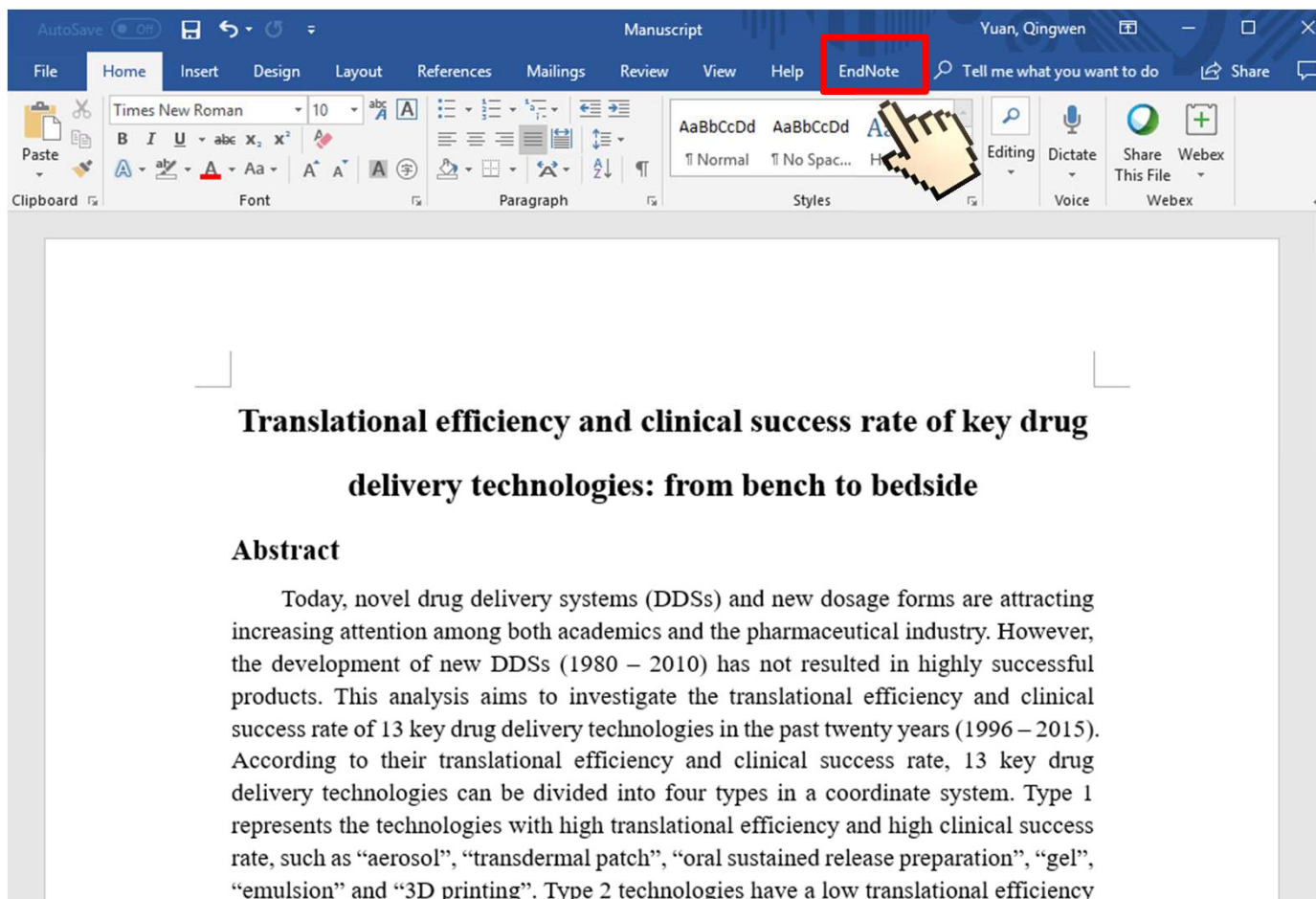
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| 作者                                    | 出版年  | 标题  |
|---------------------------------------|------|---|
| <input type="checkbox"/>              | 2020 | Erratum: Sediment Benchmarks Based on Acid-Volatile Sulfide and Simultaneously Extracted Metals-When Is Organic Carbon Normalization Meaningful?<br>Integr Environ Assess Manag<br>添加到文献库: 14 Apr 2020 上次更新日期: 14 May 2020<br>在线链接→ 转到 URL  |
| <input type="checkbox"/>              | 2020 | Learned Discourses: Timely Scientific Opinions<br>Integr Environ Assess Manag<br>添加到文献库: 14 Apr 2020 上次更新日期: 14 May 2020<br>在线链接→ 转到 URL  |
| <input type="checkbox"/> Aasen, Helge | 2018 | Quantitative Remote Sensing at Ultra-High Resolution with UAV Spectroscopy: A Review of Sensor Technology, Measurement Procedures, and Data Correction Workflows<br>Remote Sensing<br>添加到文献库: 27 Dec 2018 上次更新日期: 20 Mar 2019<br>在 Web of Science™ 中查看→ 来源文献记录, Related Records, 被引频次: 75 |

# 规范引用参考文献-Endnote® online

## Cite While You Write™ - 实现word与Endnote® online之间的对接





# 规范引用参考文献-Endnote® online

## 如何利用EndNote插入参考文献?

The screenshot shows the Microsoft Word interface with the EndNote ribbon selected. The 'Insert Citations' button is highlighted with a red box and a mouse cursor. The 'EndNote Find & Insert My References' dialog box is open, showing a search for 'Hafren, A' and a list of results. The 'Insert' button in the dialog is also highlighted with a red box and a mouse cursor.

**Translational efficiency and clinical success rate of key delivery technologies: from bench to bedside**

**Abstract**

Today, novel drug delivery systems (DDSs) and new dosage forms are attracting increasing attention among both academics and the pharmaceutical industry. However, the development of new DDSs (1980 – 2010) has not resulted in highly successful products. This analysis aims to investigate the translational efficiency and clinical success rate of 13 key drug delivery technologies in the past twenty years (1996 – 2010). According to their translational efficiency and clinical success rate, 13 key drug delivery technologies can be divided into four types in a coordinate system. Type 1 represents the technologies with high translational efficiency and high clinical success rate, such as “aerosol”, “transdermal patch”, “oral sustained release preparation”, “emulsion” and “3D printing”. Type 2 technologies have a low translational efficiency and high clinical success rate and only include “cyclodextrin”. Type 3 represents technologies with high translational efficiency and low clinical success rate, including “microneedle”, “antibody-drug-conjugate”, and “liposome”. Type 4 technologies have low translational efficiency and low clinical success rate, such as “gene therapy” and “nanoparticle”. Type 1 and type 2 techniques have high technology readiness levels as most of them are the first generation (1G) drug delivery technologies.

# 规范引用参考文献-Endnote® online

## 如何利用EndNote插入参考文献?

The screenshot displays the EndNote online interface within a Microsoft Word document. The top ribbon shows the 'EndNote' tab, with the 'Style' dropdown set to 'Cell'. A red box highlights the 'Cell' style name. Below the ribbon, the document text includes a section titled '1. Introduction' and a paragraph mentioning 'Hay et al., 2014', which is highlighted in yellow. A red box is drawn around this citation. To the right of this text, a pink box contains the Chinese text '文中参考文献' (In-text reference). Below the text, a 'References' section is visible, containing a citation: 'Hafren, A., Ustun, S., Hochmuth, A., Svenning, S., Johansen, T., and Hofius, D. (2018). Turnip Mosaic Virus Counteracts Selective Autophagy of the Viral Silencing Suppressor HCpro. Plant Physiology 176, 649-662.' This citation is highlighted in yellow, and a red box is drawn around the entire 'References' section. To the right of this section, another pink box contains the Chinese text '文后参考文献' (End-text reference). The interface also shows various tool icons like 'Insert Citations', 'Go to EndNote Online Citations', and 'Edit Citation(s)'.

# 规范引用参考文献-Endnote® online

## 如何统一做格式化处理?

**Cell**

**选择Nature Reviews**

**Nature Reviews**

**References**

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## Microstructures and properties of high-entropy alloys

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

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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). HEAs are loosely defined as solid solution alloys more than five principal elements in equal or near equal atomic percent (at.%). The concept of high entropy introduces a new path of advanced materials with unique properties, which cannot be achieved by the conventional micro-alloying approach based on only one element. Up to date, many HEAs with promising properties have been reported, e.g., high wear-resistant HEAs, Co<sub>1.5</sub>CrFeNi<sub>1.5</sub>Ti and Al<sub>0.2</sub>Co<sub>1.5</sub>CrFeNi<sub>1.5</sub>Ti 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 Cu<sub>0.5</sub>NiAlCoCrFeSi HEA is much better than that of the conventional steel. This paper first reviews HEA formation in relation to thermodynamics, kinetics, and processing. Physical, magnetic, chemical, and properties are then discussed. Great details are provided on the plastic deformation, fracture, and magnetization from the perspectives of noise and Barkhausen noise measurements, and the analysis of serrations on stress-strain curves at specific strain rates or testing temperatures.

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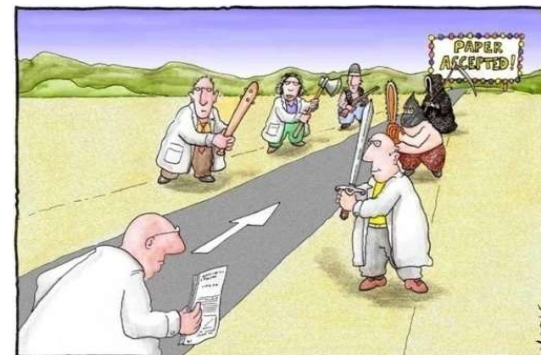


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1 Individual tree detection from unmanned aerial vehicle point cloud data using a hierarchical graph approach

Ahmadi, SA; Ghorbanian, A; (...); Jamali, S

Dec 31 2022 | EUROPEAN JOURNAL OF REMOTE SENSING 55 (1), pp.520-539

80 参考文献

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Studying individual trees is a common way that scientists employ to study forests and estimate forest parameters. In this study, a graph-based approach was developed for detecting individual trees in a broadleaf, complex forest region based on UAV-derived point cloud data. Horizontal cross-sections at different heights were applied to the Canopy Height Model (CHM) to extract initial candidates ... 显示更多

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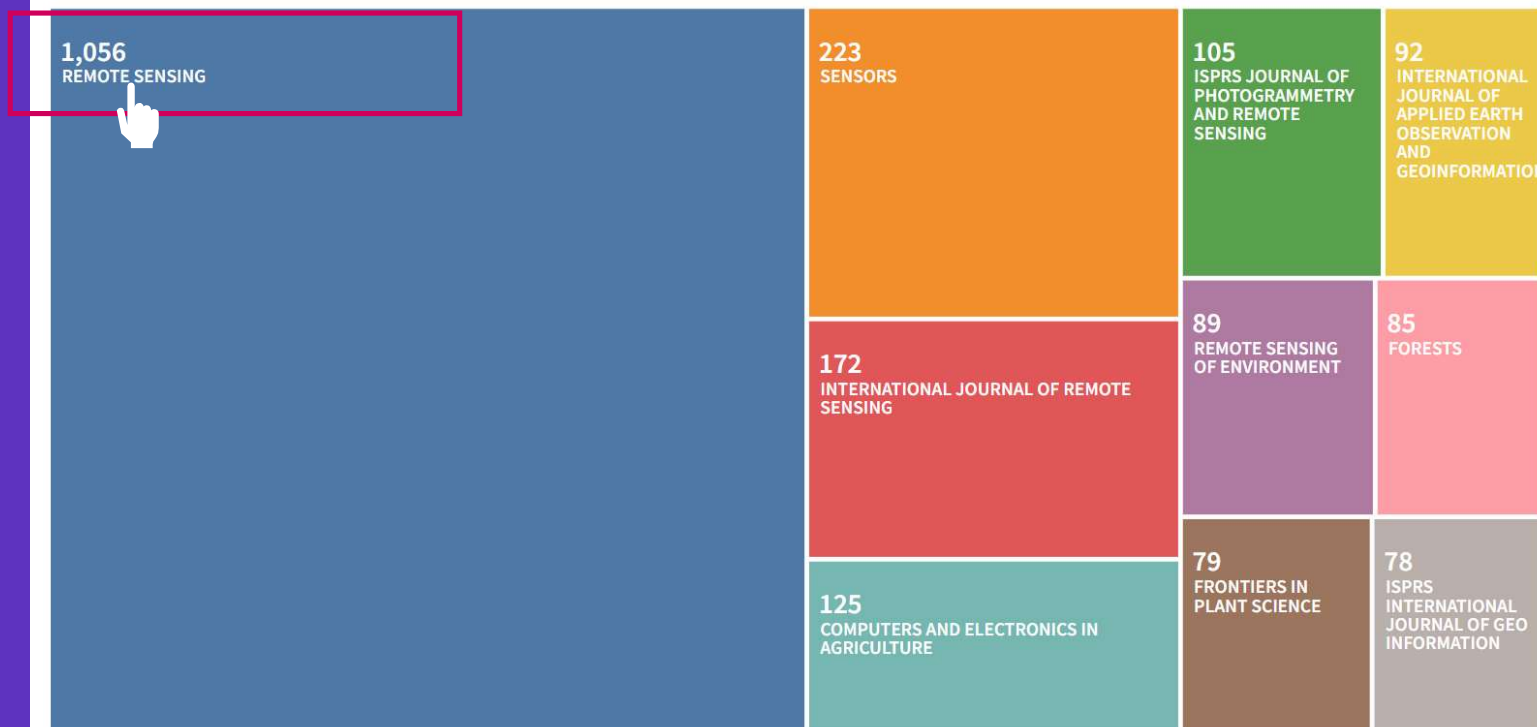
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Lambertini, A; Mandanici, E; (...); Vittuari, L

Oct 2022 REMOTE SENSING

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来源: Journal Citation Reports 2021. 进一步了解

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JCR YEAR: 2021

### Remote Sensing

Open Access since 2009

ISSN: N/A

EISSN: 2072-4292

JCR ABBREVIATION: REMOTE SENS-BASEL

ISO ABBREVIATION: Remote Sens.

#### 期刊基本信息

Journal information

Citation Index Expanded (SCIE)

REMOTE SENSING - SCIE

GEOSCIENCES, MULTIDISCIPLINARY - SCIE

ENVIRONMENTAL SCIENCES - SCIE

IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY - SCIE

| LANGUAGES | REGION      | 1ST ELECTRONIC JCR YEAR |
|-----------|-------------|-------------------------|
| English   | SWITZERLAND | 2012                    |

Publisher information

| PUBLISHER | ADDRESS  | PUBLICATION FREQUENCY |
|-----------|--|-----------------------|
| MDPI      | ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND | 24 issues/year        |

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| 3    | HELMHOLTZ ASSOCIATION                                  | 405   |
| 4    | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)    | 374   |
| 5    | NATIONAL AERONAUTICS & SPACE ADMINISTRATION (NASA)     | 352   |
| 6    | NANJING UNIVERSITY OF INFORMATION SCIENCE & TECHNOLOGY | 274   |
| 7    | BEIJING NORMAL UNIVERSITY                              | 273   |
| 8    | CHINA UNIVERSITY OF GEOSCIENCES                        | 256   |
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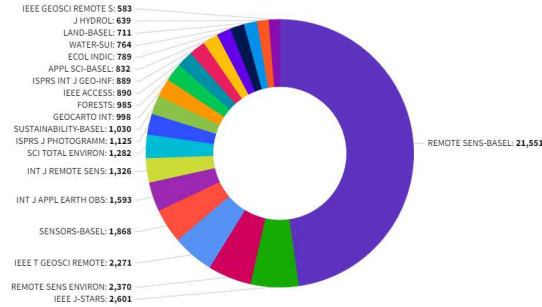
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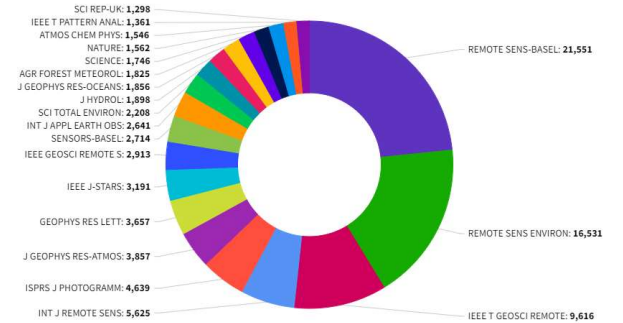
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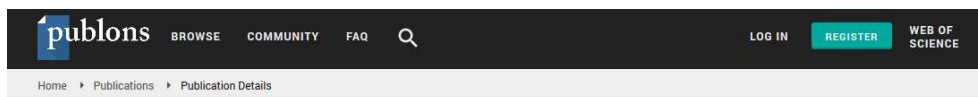
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| <b>最高的关键词评级</b> <ul style="list-style-type: none"> <li>extreme ultraviolet</li> <li>dynamic gas lock</li> <li>suppression ratio formula</li> <li>variable cross section</li> <li>contamination diffusion</li> <li>gas flow utilization</li> </ul> |                                 | <b>JCR 类别</b> <table border="1"> <thead> <tr> <th>类别中的评级</th> <th>类别中的四分位置</th> </tr> </thead> <tbody> <tr> <td>MATERIALS SCIENCE, MULTIDISCIPLINARY: 282/345</td> <td>Q4</td> </tr> <tr> <td>NANOSCIENCE &amp; NANOTECHNOLOGY: 95/109</td> <td>Q4</td> </tr> <tr> <td>PHYSICS, APPLIED: 120/161</td> <td>Q3</td> </tr> </tbody> </table> <p>出版商:<br/>1305 WALT WHITMAN RD, STE 300, MELVILLE, NY 11747-4501<br/>ISSN: *****<br/>eISSN: 2158-3226</p> | 类别中的评级 | 类别中的四分位置 | MATERIALS SCIENCE, MULTIDISCIPLINARY: 282/345 | Q4 | NANOSCIENCE & NANOTECHNOLOGY: 95/109 | Q4 | PHYSICS, APPLIED: 120/161 | Q3 | 该信息是否有帮助?<br><input checked="" type="checkbox"/> 是 <input type="checkbox"/> 否<br><input type="button" value="提交 &gt;&gt;"/><br><input type="button" value="期刊信息 &gt;&gt;"/> |
| 类别中的评级  | 类别中的四分位置                        |   |        |          |   |    |                                      |    |                           |    |   |
| MATERIALS SCIENCE, MULTIDISCIPLINARY: 282/345   | Q4                              |   |        |          |   |    |                                      |    |                           |    |   |
| NANOSCIENCE & NANOTECHNOLOGY: 95/109  | Q4                              |   |        |          |   |    |                                      |    |                           |    |   |
| PHYSICS, APPLIED: 120/161   | Q3                              |   |        |          |   |    |                                      |    |                           |    |   |
|   | 7.392<br>2021   6.596<br>5 年    | APPLIED SURFACE SCIENCE   | 0      |          |   |    |                                      |    |                           |    |   |
|   | 3.847<br>2021   4.05<br>5 年     | SENSORS   | 0      |          |   |    |                                      |    |                           |    |   |
|   | 16.744<br>2021   14.61<br>5 年   | CHEMICAL ENGINEERING JOURNAL  | 0      |          |   |    |                                      |    |                           |    |   |



# New ! 同行评审数据： 文献全记录界面显示Publons透明同行评议徽章



Deintensification in older patients with type 2 diabetes: A systematic review of approaches, rates and outcomes

Published in Diabetes, Obesity and Metabolism on July 01, 2019

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- doi.org/10.1111/DOM.13724
- ncbi.nlm.nih.gov/pubmed/30938038

#### ABSTRACT

Aim To assess deintensification approach antidiabetic medication and other therap cardiometabolic conditions. Methods We of Science and Cochrane databases to 3 deintensification and outcomes, and was cohorts and interventional studies) with approaches included complete withdraw one medication, but the majority of studi antihyperglycaemic medication. Rates of studies reported no deterioration in HbA1

#### DECISION LETTER

2019/03/27

Dear Dr. Seidu

Thank you very much for submitting this revised manuscript. Following further pleased to tell you that it is now acceptable for publication in Diabetes, Obesity

The journal currently has an impact factor of 5.98 and is currently ranked 18 the Endocrine Category. Congratulations!

This journal has recently begun a pilot of 'transparent peer review', which makes anonymous peer reviewer comments and your point-by-point responses to them made accessible to readers when your paper is published online. Indeed the document carry its own separate DOI number which allows the document to be cited. I hope that making our peer review process and editorial decision-making, prior to publication transparent will be welcomed by the wider scholarly community. Your support is much appreciated.

#### ONGOING DISCUSSION (0 COMMENTS - CLICK TO TOGGLE)

#### AUTHOR RESPONSE

2019/03/19

Referee 1

#### Comments to the Author

Perhaps delete lines 36-51 as there is a lot of repetition with the preceding section and place lines 45-48, which defines de-intensification rates, into the previous section.

RESPONSE: We thank referee 1 for this observation. Upon reading the manuscript again. We agree that there is a lot of repetition in this section from what is already written in the introduction. However, we had to insert this section in upon recommendation from referee 2 as he/she wanted us to base our definitions on the PICO (Population, Intervention, Comparator, and Outcome) framework. This framework definition makes more sense in the methods section rather than the introduction stage, where we are expected to set the scene. Both reviewers make very good points which clarify the manuscript and yet avoid repetition. Therefore, rather than deleting the PICO definition lines, we have now carefully shortened that side and re-worded it to minimise the repetitions as pointed out by reviewer 1.

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