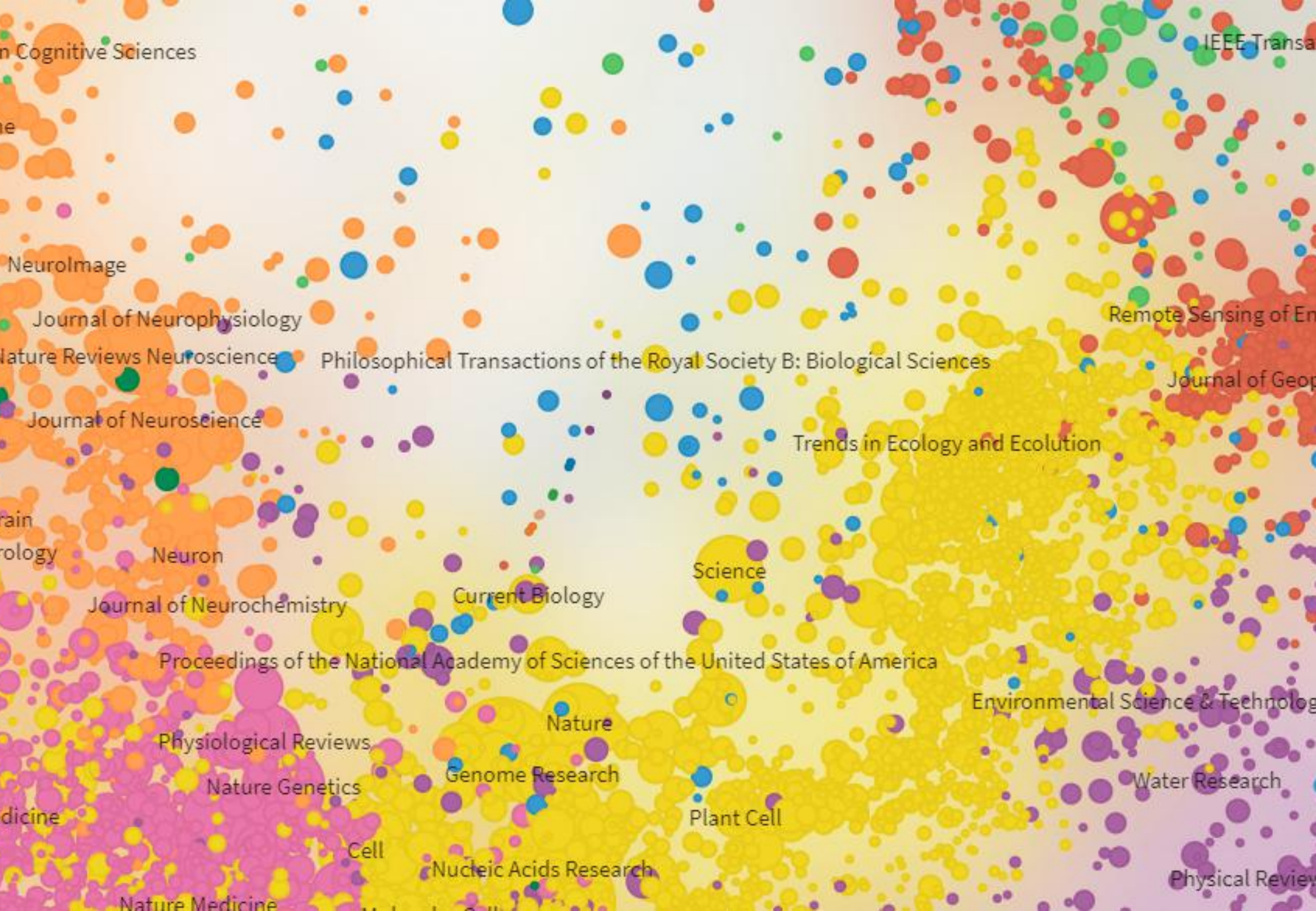




赋能科研175年

Empowering Science for 175 years

**SPRINGER NATURE**



# SpringerNature公司介绍

# 1.0



A WEEKLY ILLUSTRATED JOURNAL OF SCIENCE

"To the solid ground  
Of Nature trusts the mind that builds for aye." - WORDSWORTH

## 见证近 150 年来 人类历史上的重大科学突破

1880: 指纹用于刑侦技术

1896: 首次发现 X 射线

1903: 发现镭的放射性衰变

1925: 发现非洲类人猿——人类的起源

1927: 发现电子的波动性——电子显微镜的基石

1932: 破解原子由质子、中子和电子组成——原子能时代的开端

1953: 发现DNA的双螺旋结构——开启生物学的黄金时代

1958: 首次确定蛋白质结构——蛋白质组学

1961: 破解DNA到蛋白质的编码过程

1963: 利用地磁证据证明大陆板块漂移学说

1978: 合成第一个单克隆抗体——癌症的靶向治疗

1983: 发现艾滋病病毒

1985: 在南极上空发现臭氧空洞——引发全球对环境问题的关注

1991: 纳米碳管的合成——开启新材料时代

1992: 发现30万年前的尼安德特人头骨残骸

1994: 首次合成强力抗癌新药——紫杉醇

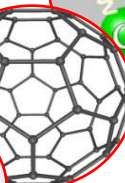
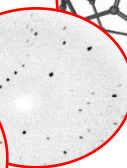
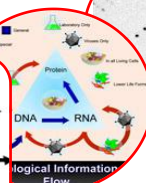
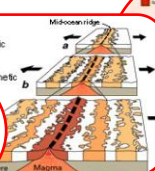
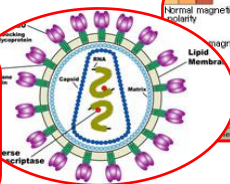
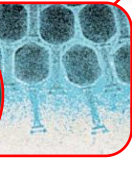
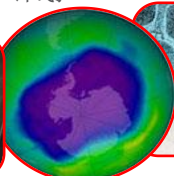
1995: 首次发现太阳系外的行星

1997: 克隆羊多莉诞生

2001: 人类基因组计划

2006: 破解安提基特拉机械装置

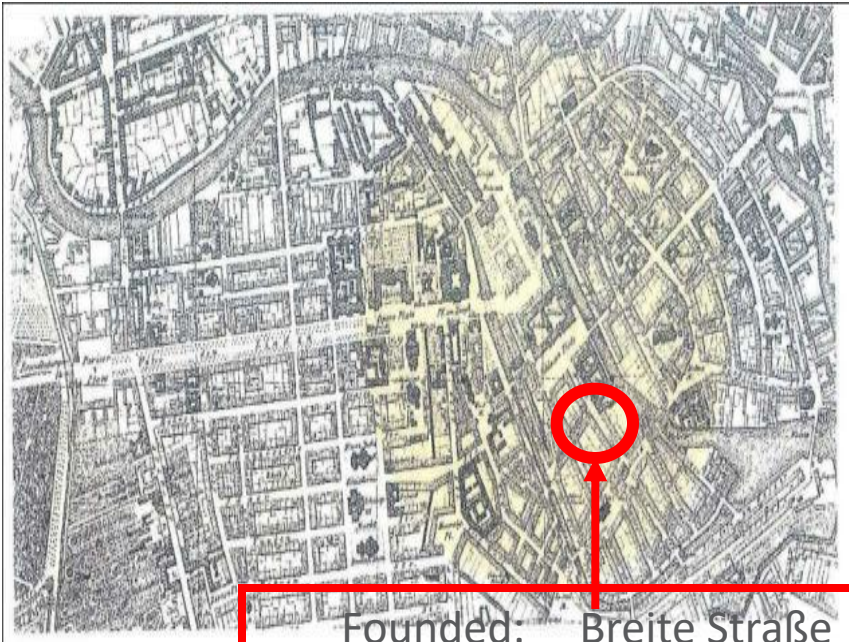
2012: ENCODE计划



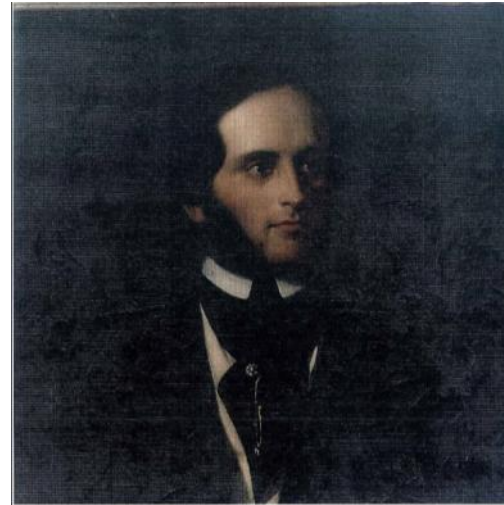
SPRINGER NATURE

# 出版社简介

Springer 于1842年始建于柏林，拥有175年的历史.....



Founded: Breite Straße  
Today: Heidelberger Platz



**SPRINGER NATURE**



施普林格（Springer）创立于1842年，是全球领先的科学、技术和医学出版机构，公司以创新的信息产品和服务让学术界、科研机构和企业研发部门的科研人员享有高品质的内容。施普林格拥有世界上最重要的科学、技术和医学类电子图书数据库和回溯图书档案文库之一，以及种类全面的开放获取期刊。

nature

《自然》杂志（*Nature*）创刊于1869年，是全球被引用最多的科学期刊，年引用量超过50万次。作为全球首屈一指的多学科科学期刊，其影响因子高达41.456。《自然》的读者包括了数百万科学家和学生，遍及世界各地4000余家机构，每月有350万名独立用户在其网站上浏览超过800万页的内容。



麦克米伦教育（Macmillan Education）是全球第三大英语教材和课程资料出版机构，也是本地K12基础教育出版商，此外还通过帕尔格雷夫（Palgrave）出版和销售久负盛名的高等教育图书。他们共同服务于50个市场的客户，并为遍及全球120个国家的客户提供高质量的内容和创新的数字产品与服务。



BioMed Central是全球最大的开放获取出版机构，出版超过286种经同行评审的开放获取刊物，涉及生物学、生物医学和医学等领域。其注册用户超过180万，因而能够有针对性地为各种专长、职称和学科的人士带来机会。

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SCIENTIFIC  
AMERICAN

《科学美国人》（*Scientific American*）创刊于1845年，是美国持续出版历史最悠久的杂志，也是大众读者获取科技信息及政策的重要权威来源。其纸本在全球有350万读者，网站ScientificAmerican.com月平均浏览量达550万人次。

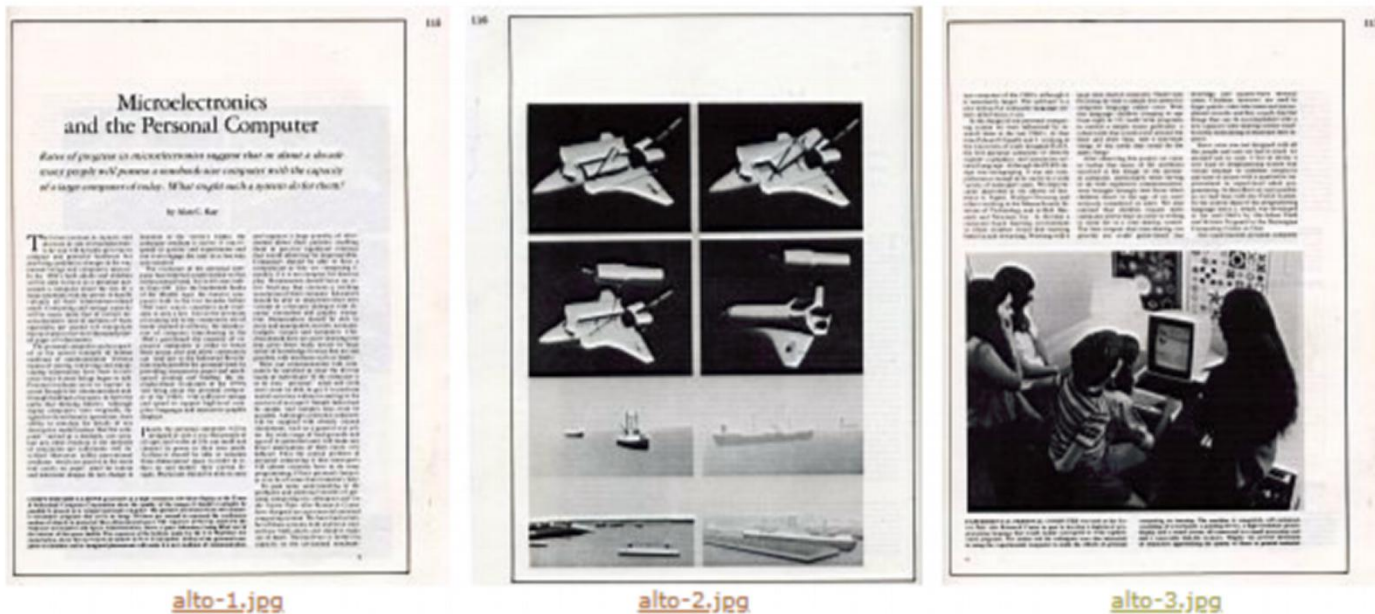
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<http://www.digibarn.com/collections/books/xerox-parc-1970-80/alto-article/>

# **A Decade of Research @ Xerox PARC** reprint of **Sept 1977 Scientific American Article on Xerox Alto** **"Microelectronics and the Personal Computer"** pp. 230-244, by Alan Kay

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# 2.0

# Springer Nature产品



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- 涵盖11个学科，部分期刊在相关学科有较高排名

# Springer电子期刊—学科分类

| 学科组合                                                       | 子学科                                 |           |
|------------------------------------------------------------|-------------------------------------|-----------|
| <b>Science, Technology and Engineering (STE)</b><br>科技工程专辑 | Chemistry and Materials Science     | 化学和材料科学   |
|                                                            | Computer Science                    | 计算机科学     |
|                                                            | Earth and Environmental Science     | 地球环境科学    |
|                                                            | Engineering                         | 工程学       |
|                                                            | Mathematics and Statistics          | 数学和统计学    |
|                                                            | Physics and Astronomy               | 物理学和天文学   |
| <b>Medicine and Life Science</b><br>生物医学专辑                 | Biomedical and Life Sciences        | 生物医学和生命科学 |
|                                                            | Medicine                            | 医学        |
| <b>Social Science and Humanities</b><br>人文社科专辑             | Behavioral Science                  | 行为科学      |
|                                                            | Business and Economics              | 商学和经济学    |
|                                                            | Humanities, Social Sciences and Law | 人文社科和法律   |

## 部分学科专辑SCI收录比例

---

Behavioral Science 56%

**Biomedical and Life Science** 89%

Business and Economics 50%

**Chemistry and Materials Science** 82%

Computer Science 65%

**Earth and Environmental Science** 75%

Engineering 52%

Humanities, Social Science & Law 39%

**Mathematics and Statistics** 72%

Medicine 57%

**Physics and Astronomy** 89%

---

## 重点期刊推荐 – Nature品牌期刊

| 图书馆已订购                |            |
|-----------------------|------------|
| Nature                | 《自然》周刊     |
| Nature Biotechnology  | 《自然·生物技术》  |
| Nature Climate Change | 《自然·气候变化》  |
| Nature Genetics       | 《自然·遗传学》   |
| Nature Geoscience     | 《自然·地理科学》  |
| Nature Methods        | 《自然·方法》    |
| Nature Plants         | 《自然·植物》    |
| Nature Protocols      | 《自然·实验室指南》 |

# 重点期刊推荐 – Nature品牌期刊

## This Week

### Editorial

Editorial | 17 April 2018

#### Military work threatens science and security

In an uncertain world, more governments are asking universities to help develop weapons. That's a threat to the culture and conscience of researchers.

Editorial | 18 April 2018

#### Checklists work to improve science

Nature authors say a reproducibility checklist is a step in the right direction, but more needs to be done.

Editorial | 18 April 2018

#### A welcome framework for research in Africa

A new set of ethics principles should help researchers and funders do justice to the interests of those involved with Africa's genomics research.

## 重点期刊推荐 – Nature品牌期刊

### World View

World View | 18 April 2018

#### Science must rise up to support people like me

Institutions could do more to support researchers who have disabilities, says Aaron Schaal.

Aaron Schaal

#### Science must rise up to support people like me



*Institutions could do more to support researchers who have disabilities, says Aaron Schaal.*

Aaron Schaal



# 重点期刊推荐 – Nature品牌期刊

## Research Highlights

Research Highlight | 10 April 2018

### Gentle 'slow slip' earthquakes belie hidden danger

Fluid build-up after a slow quake raises the risk of massive rupture.

Research Highlight | 12 April 2018

### Why fit fathers sire smarter offspring

Mice that hit the running wheel have brainier pups than sedentary rodents do.

Research Highlight | 13 April 2018

### Laser-beam 'tweezers' guide two atoms to collide

A carefully manipulated crash shows what happens when atoms collide in the cold.

Research Highlight | 12 April 2018

### Deadly tumours are often born of childhood mutations

Early chromosomal disruption can set the stage for kidney cancer decades later.

# 重点期刊推荐 – Nature品牌期刊

## This Week

### Editorial

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## 重点期刊推荐－《自然·生物技术》

<https://www.nature.com/nbt/>

生物技术和应用微生物学领域排名第一的研究型期刊，收录范围涵盖生物学、生物医学、农业及环境科学领域相关的商业、政治、伦理、法律和社会等方面的研究。

超分辨率成像

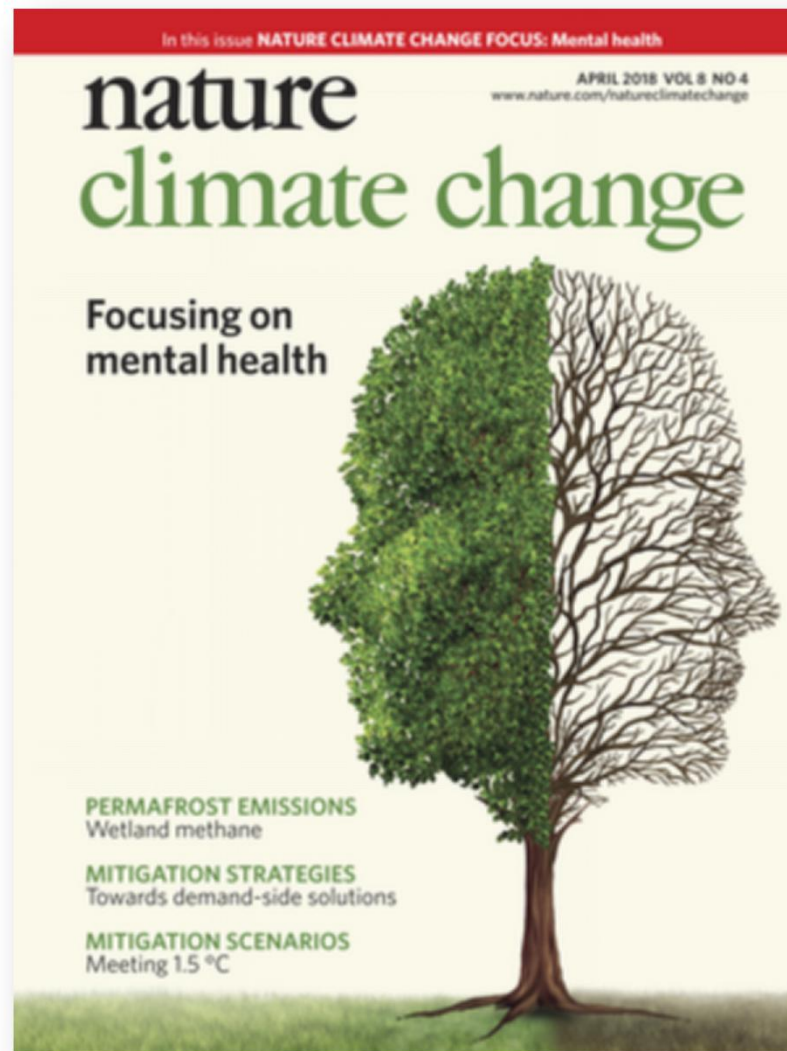


## 重点期刊推荐 — 《自然·气候变化》

<https://www.nature.com/nclimate/>

致力于发表有关全球气候变化成因、效应以及更大范围潜在影响的最前沿和最重要的高质量研究成果。

在“巴黎协定”中，各国致力于制定更加雄心勃勃的气候政策目标，旨在将全球变暖限制在 $1.5^{\circ}\text{C}$ 而不是比工业化前水平高出 $2^{\circ}\text{C}$ 。气候模型现在表明，实现 $1.5^{\circ}\text{C}$ 的目标将对北极海冰产生重大影响。



## 重点期刊推荐 — 《自然·遗传学》

<https://www.nature.com/ng/>

遗传学领域内排名第一的基础研究型期刊，发表遗传学领域内最高品质的研究论文。期刊收录范围涵盖人类基因及基因组、实验胚胎学、癌症、染色体生物学及基因技术。此外，本刊还发表该领域内的新资讯、新观点，报导发表在其他期刊上的重要研究亮点，专题概述与讨论遗传学发展的相关议题，主题涵盖范围甚广。

了解DNA序列变异的功能效应对于基础生物学，进化和医学遗传学的研究至关重要。然而，以高通量方式测量这些效应是一个重大挑战。一个有希望的途径是用CRISPR-Cas9系统进行精确编辑，该系统允许在与引导RNA（gRNA）的靶向序列相匹配的基因组位点处产生DNA双链断裂（DSB）。



## 重点期刊推荐 — 《自然·植物》

<https://www.nature.com/nplants/>

专注发表植物科学领域最前沿的基础和应用研究成果，涵盖植物学的各个方面：植物的进化，植物的生长发育、新陈代谢，植物与环境的相互关系及其对人类社会的重要意义。此外，本刊也将关注植物的遗传学、细胞生物学、生态学和进化过程，以及植物王国与人类的相互关系。

只要有必要，福利一直在政治上引起争议。现代工业化国家的福利使用各种机制，例如食物，服务或现金，为贫困公民提供援助。

虽然不同的社会对福利有不同的态度和态度，但在美国和英国，那些依赖这种“伸手乞讨”的人常常被认为不值得被救济。福利受益者经常被用作政治替罪羊，同时试图生存并使自己和家人摆脱贫困，在一些世界上最富有的国家，通常非常微薄的福利。



# Springer重点期刊推荐 《GENOME BIOLOGY》

Open Access

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<https://genomebiology.biomedcentral.com/>

基因表达的多层面控制需要调控机制在转录水平和转录后水平的紧密协调。在这里，我们通过全长mRNA测序研究了单个mRNA分子上的转录起始，剪接和聚腺苷酸化事件的相互依赖性。



## Springer重点期刊推荐 《PRECISION AGRICULTURE》

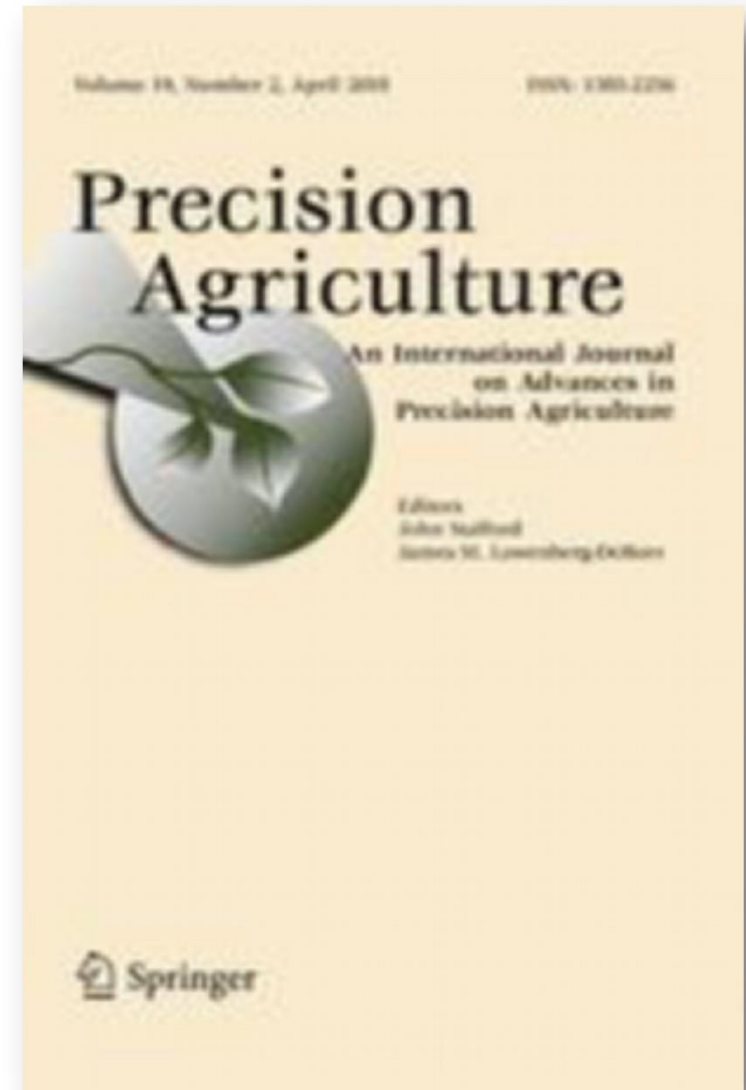
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<https://link.springer.com/journal/11119>

讨论的主题包括:

自然资源变异性, 包括土壤和作物变异性 and 特征管理变异性, 包括采样技术和方法, 营养和作物保护化学品推荐和作物质量

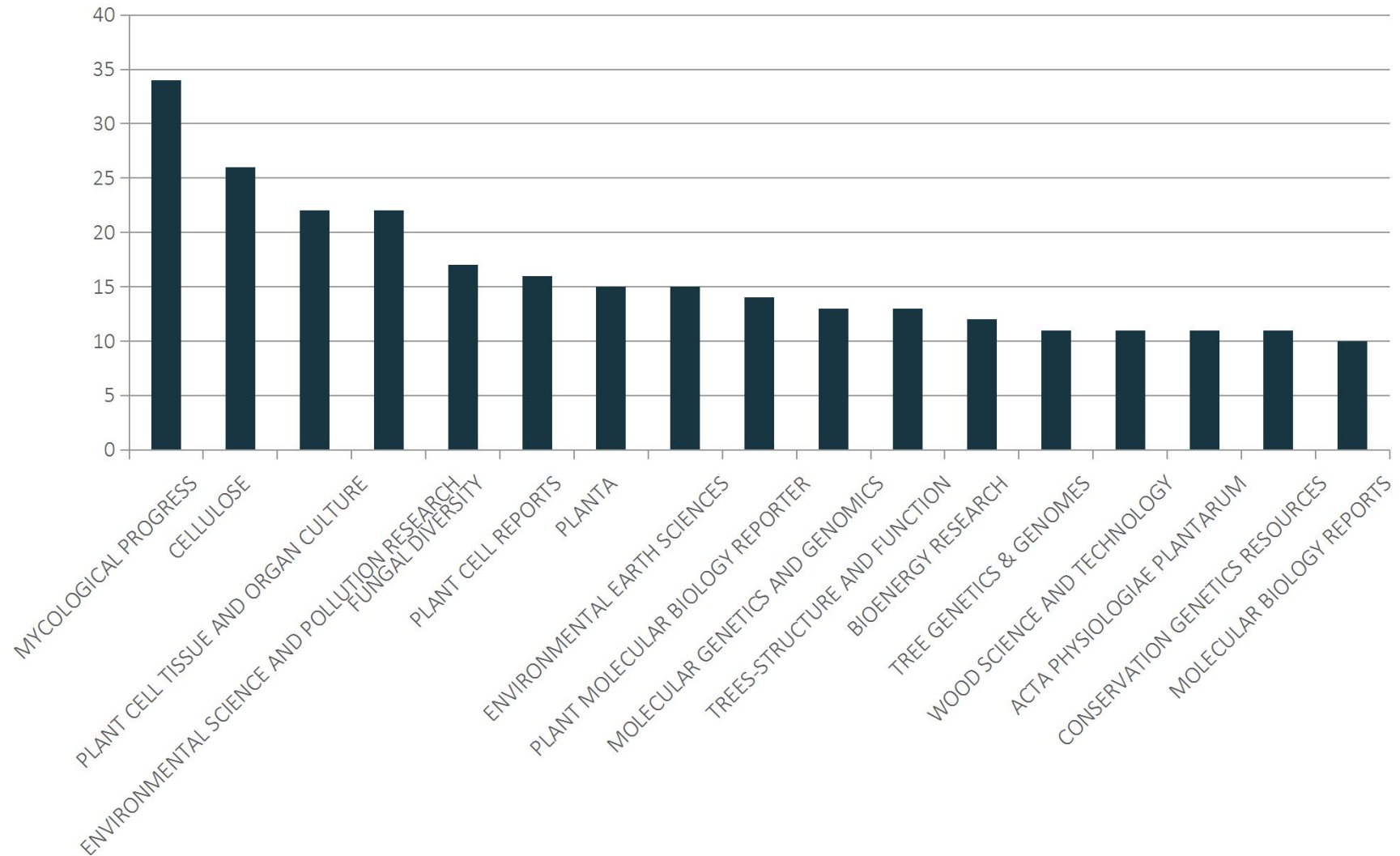
工程技术, 专注于传感器系统, 计算技术, 定位系统和用于特定场地应用的控制系统



# 北京林业大学作者发文领域分布



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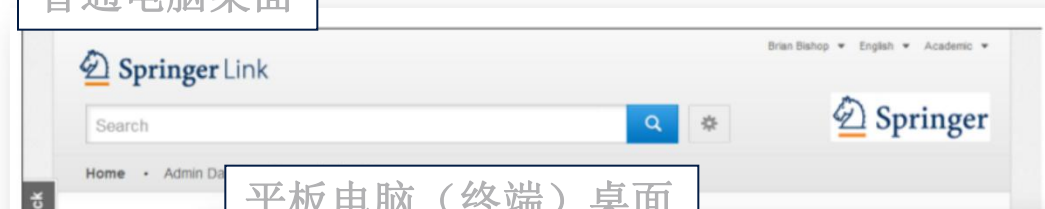
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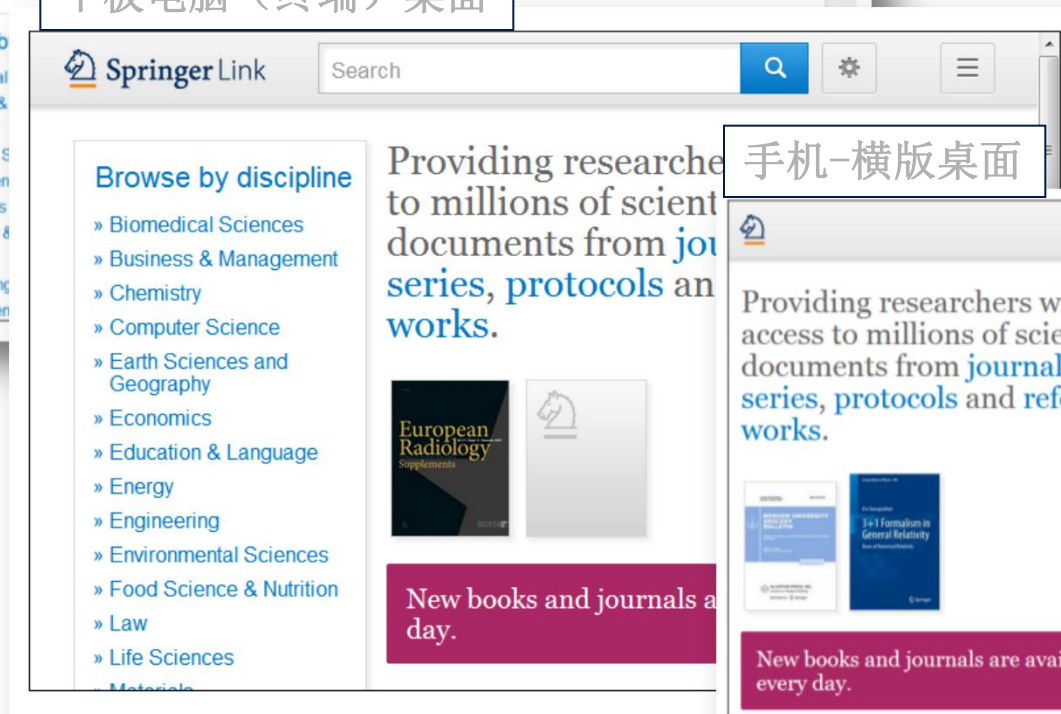
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手机-横版桌面



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# SpringerLink平台界面

The screenshot shows the SpringerLink homepage. A red box highlights the search bar at the top left, with a red arrow pointing to it from the label "检索" (Search). Another red box highlights the "Sign up / Log in" link at the top right, with a red arrow pointing to it from the label "注册, 免费推送" (Register, free delivery). A third red box highlights the "Browse by discipline" list on the left side, with a red arrow pointing to it from the label "学科浏览" (Subject browsing). The main content area features a banner for "Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works." Below this are sections for "Featured Journals" and "Featured Books", each displaying several journal and book covers. A purple box on the right side of the banner area states "New books and journals are available every day."

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|                        |           |
|------------------------|-----------|
| Articles               | 5,507,835 |
| Chapters               | 3,258,726 |
| Reference Work Entries | 483,313   |
| Protocols              | 40,214    |

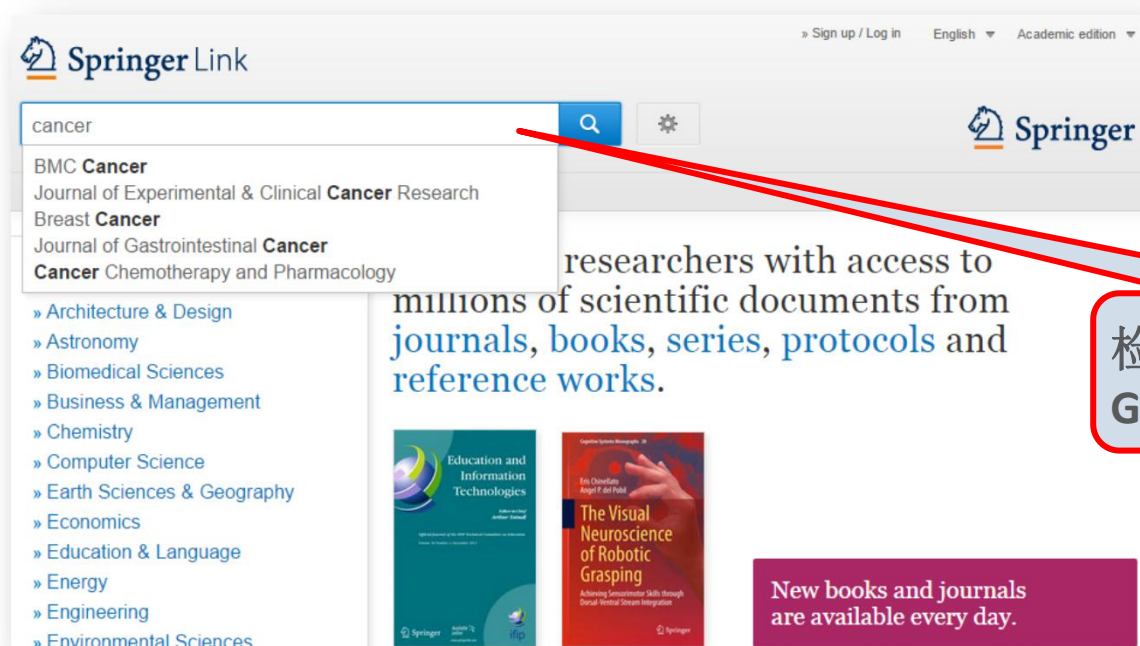
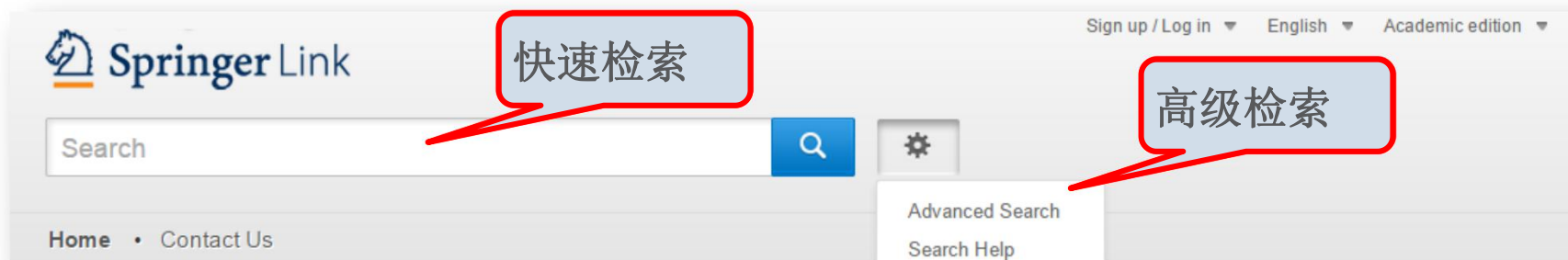
**Risk Sharing, Risk Spreading and Efficient Regulation**

**Zur kommunikativen Konstruktion von Räumen**

**Flexible Spacecraft Dynamics, Control and Guidance**

**Queueing Theory and Network Applications**

# SpringerLink平台检索：快速检索



检索时自动建议功能（以Google关键字数据为准）

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分支学科

语言

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Sort By: Relevance, Newest First, Oldest First

Show documents published between 1955 and 2011

Page 1 of 3,607

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Content Type

|                      |        |
|----------------------|--------|
| Chapter              | 43,436 |
| Article              | 25,576 |
| Reference Work Entry | 1,675  |
| Book                 | 1,427  |
| Journal              | 23     |
| Reference Work       | 2      |

Discipline

|                       |        |
|-----------------------|--------|
| Computer Science      | 70,945 |
| Mathematics           | 13,938 |
| Engineering           | 5,380  |
| Business & Management | 3,041  |
| Physics               | 2,775  |

Subdiscipline

|                                             |        |
|---------------------------------------------|--------|
| Security and Cryptology                     | 67,083 |
| Theoretical Computer Science                | 36,295 |
| Communication Networks                      | 28,788 |
| SWE                                         | 24,870 |
| Database Management & Information Retrieval | 21,018 |

Language

|         |        |
|---------|--------|
| English | 66,921 |
| German  | 5,093  |
| Italian | 64     |
| French  | 58     |

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# SpringerLink-期刊的浏览

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The screenshot shows the SpringerLink homepage for the Journal of Cryptology. The page layout includes a top navigation bar, a main content area with a description, latest articles, and journal statistics, and a sidebar with a search bar and a volume/issue finder.

**Annotations:**

- 浏览所有卷期, 期刊内检索**: Points to the top navigation bar and the search bar.
- 期刊简要信息**: Points to the journal cover image.
- 影响因子, 文章数量, 卷期数, 年限等**: Points to the journal statistics table.
- RSS订阅和期刊更新注册提醒**: Points to the 'Stay up to Date' section.
- 查找卷期**: Points to the 'Find a Volume or Issue' section.
- 最新发表的文章**: Points to the 'Latest Articles' section.

**Journal of Cryptology**  
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**Description**  
The Journal of Cryptology is a forum for original results in all areas of modern information security. Both cryptography and cryptanalysis are covered, including information theoretic and complexity theoretic perspectives as well as implementation, application, and standards issues. Coverage includes such topics as public key and conventional algorithms and their implementations, cryptanalytic attacks, pseudo-random sequences ... [show all](#)

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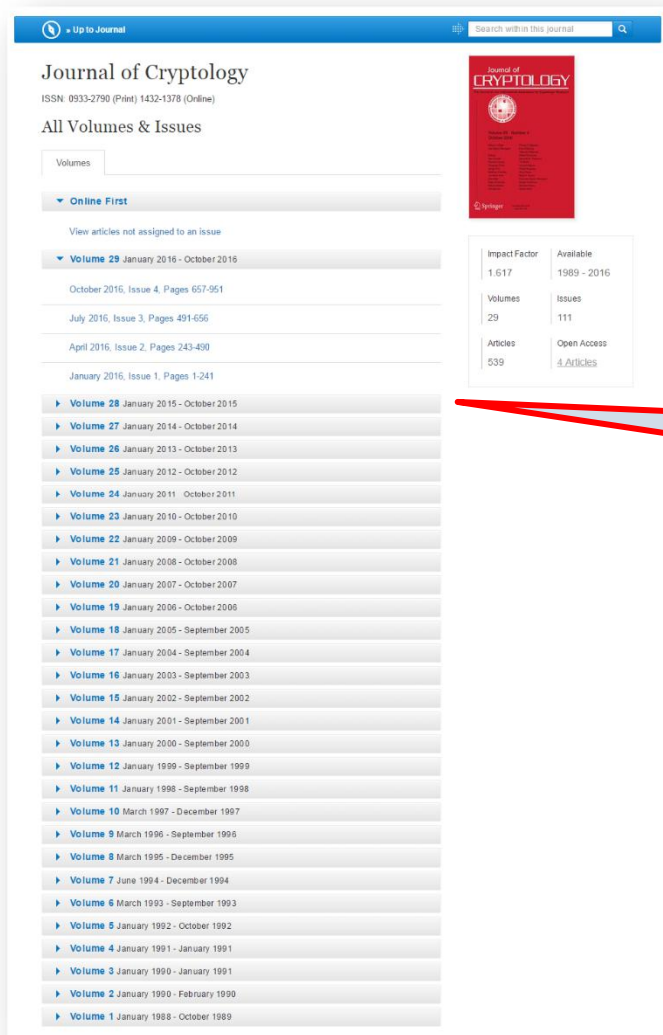
## 期刊主页-续

The screenshot displays the 'About this Journal' section of a SpringerLink page for the 'Journal of Cryptology'. The page is annotated with red boxes and arrows pointing to specific sections, with Chinese labels in blue boxes:

- Journal Title**: Journal of Cryptology
- Coverage**: Volume 1 / 1989 - Volume 29 / 2016
- Print ISSN**: 0933-2790
- Online ISSN**: 1432-1378
- Publisher**: Springer US
- Topics** (所属主题分类):
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**Journal of Cryptology**  
October 2016, Volume 29, Issue 4, pp 657–696

## New Second-Preimage Attacks on Hash Functions

Elena Andreeva, Charles Bouillaguet, Orr Dunkelman, Pierre-Alain Fouque, Jonathan Hoch, John Kelsey, Adi Shamir, Sébastien Zimmer

Article  
First Online: 23 June 2015  
DOI: 10.1007/s00145-015-9206-4

Cite this article as:  
Andreeva, E., Bouillaguet, C., Dunkelman, O. et al. J Cryptol (2016) 29: 657.  
doi:10.1007/s00145-015-9206-4

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### Abstract

In this work, we present several new generic second-preimage attacks on hash functions. Our first attack is based on the herding attack and applies to various Merkle–Damgård-based iterative hash functions. Compared to the previously known long-message second-preimage attacks, our attack offers more flexibility in choosing the second-preimage message at the cost of a small computational overhead. More concretely, our attack allows the adversary to replace only a few blocks in the original target message to obtain the second preimage. As a result, our new attack is applicable to constructions previously believed to be immune to such second-preimage attacks. Among others, these include the dithered hash proposal of Rivest, Shoup's UOWHF, and the ROX constructions. In addition, we also suggest several time-memory-data tradeoff attack variants, allowing for a faster online phase, and even finding second preimages for shorter messages. We further extend our attack to sequences stronger than the ones suggested in Rivest's proposal. To this end we introduce the *kite generator* as a new tool to attack any dithering sequence over a small alphabet. Additionally, we analyse the second-preimage security of the basic *tree hash* construction. Here we also propose several second-preimage attacks and their time-memory-data tradeoff variants. Finally, we show how both our new and the previous second-preimage attacks can be applied even more efficiently when multiple short messages, rather than a single long target message, are available.

### Keywords

Cryptanalysis Hash function Dithering sequence Second-preimage attack Herding attack Kite Generator

Communicated by Antoine Joux.

A preliminary version of this paper appeared in [2].

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Abstract

1 Introduction

2 A New Generic Second-Pr...

3 Time-Memory-Data Trade...

4 Time-Memory-Data Trade...

5 Dithered Hashing

6 Second-Preimage Attacks ...

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9 Second-Preimage Attack ...

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# SpringerLink-图书主页

## 图书主页介绍

The screenshot shows the SpringerLink page for the book 'Advances in Cryptology – CRYPTO 2016'. The page includes a top navigation bar with a search box and a 'Download Book (PDF, 17286 KB)' button. The main content area features the book title, editors (Matthew Robshaw, Jonathan Katz), ISBN, and a 'Table of contents' section. The table of contents lists chapters such as 'Front Matter', 'Provable Security for Symmetric Cryptography', and 'Key-Alternating Ciphers and Key-Length Extension: Exact Bounds and Multi-user Security'. Each chapter entry includes a 'Download PDF' button and the page range. On the right side, there is a 'Book Metrics' section showing citations, mentions, readers, and downloads. Below this is a 'MyCopy Softcover Edition' section with a price of 24.99 and a 'Buy Now' button. At the bottom, there is an 'Other actions' section with a link to 'About this Book' and a 'Share' section with social media icons.

**Annotations:**

- Download Book (PDF, 17286 KB)**: A button in the top navigation bar.
- Look Inside**: A button on the book cover image.
- Download Book (PDF, 17286 KB)** and **Download Book (ePub, 13926 KB)**: Buttons in the main content area.
- Table of contents (24)**: A section listing the book's chapters.
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- 图书内检索**: A callout box pointing to the 'Look Inside' button.
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# SpringerLink-图书主页续

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▼ About this Chapter

### Title

Key-Alternating Ciphers and Key-Length Extension: Exact Bounds and Multi-user Security

### Book Title

► Advances in Cryptology – CRYPTO 2016

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Symmetric cryptography  
Block ciphers  
Provable security  
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### Editor Affiliations

13. Impinj, Inc.

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[Viet Tun](#)

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### Author Affiliations

15. Department of Computer Science

University of California, Santa Barbara

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# SpringerLink-图书章节

## 图书章节介绍

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The screenshot shows a SpringerLink chapter page. At the top, there are two download links: 'Download Book (PDF, 17286 KB)' and 'Download Chapter (918 KB)'. Below this, the chapter title is 'Key-Alternating Ciphers and Key-Length Extension: Exact Bounds and Multi-user Security' by Viet Tung Hoang and Stefano Tessaro. The abstract discusses the security of key-alternating ciphers and XOR cascades. On the right, there is a book cover for 'Advances in Cryptology - CRYPTO 2016'. Below the cover, there are 'Chapter Metrics' showing 2 readers and 24 downloads. There is also a 'MyCopy Softcover Edition' priced at 24.99 EUR/USD/GBP/CHF with a 'Buy Now' button. At the bottom, there are 'Reference tools' (Export citation, Add to Papers), 'Other actions' (About this Book, Reprints and Permissions), and 'Share' links for Facebook, Twitter, and LinkedIn.

Chapter  
Advances in Cryptology – CRYPTO 2016  
Volume 9814 of the series Lecture Notes in Computer Science pp 3-32  
Date: 21 July 2016

Key-Alternating Ciphers and Key-Length Extension:  
Exact Bounds and Multi-user Security

Viet Tung Hoang, Stefano Tessaro

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Abstract

The best existing bounds on the concrete security of key-alternating ciphers (Chen and Steinberger, EUROCRYPT '14) are only *asymptotically* tight, and the quantitative gap with the best existing attacks remains numerically substantial for concrete parameters. Here, we prove exact bounds on the security of key-alternating ciphers and extend them to XOR cascades, the most efficient construction for key-length extension. Our bounds essentially match, for any possible query regime, the advantage achieved by the best existing attack.

Our treatment also extends to the multi-user regime. We show that the multi-user security of key-alternating ciphers and XOR cascades is very close to the single-user case, i.e., given enough rounds, it does not substantially decrease as the number of users increases. On the way, we also provide the first explicit treatment of multi-user security for key-length extension, which is particularly relevant given the significant security loss of block ciphers (even if ideal) in the multi-user setting.

The common denominator behind our results are new techniques for information-theoretic indistinguishability proofs that both extend and refine existing proof techniques like the H-coefficient method.

Keywords

Symmetric cryptography – Block ciphers – Provable security – Tightness – Multi-user security

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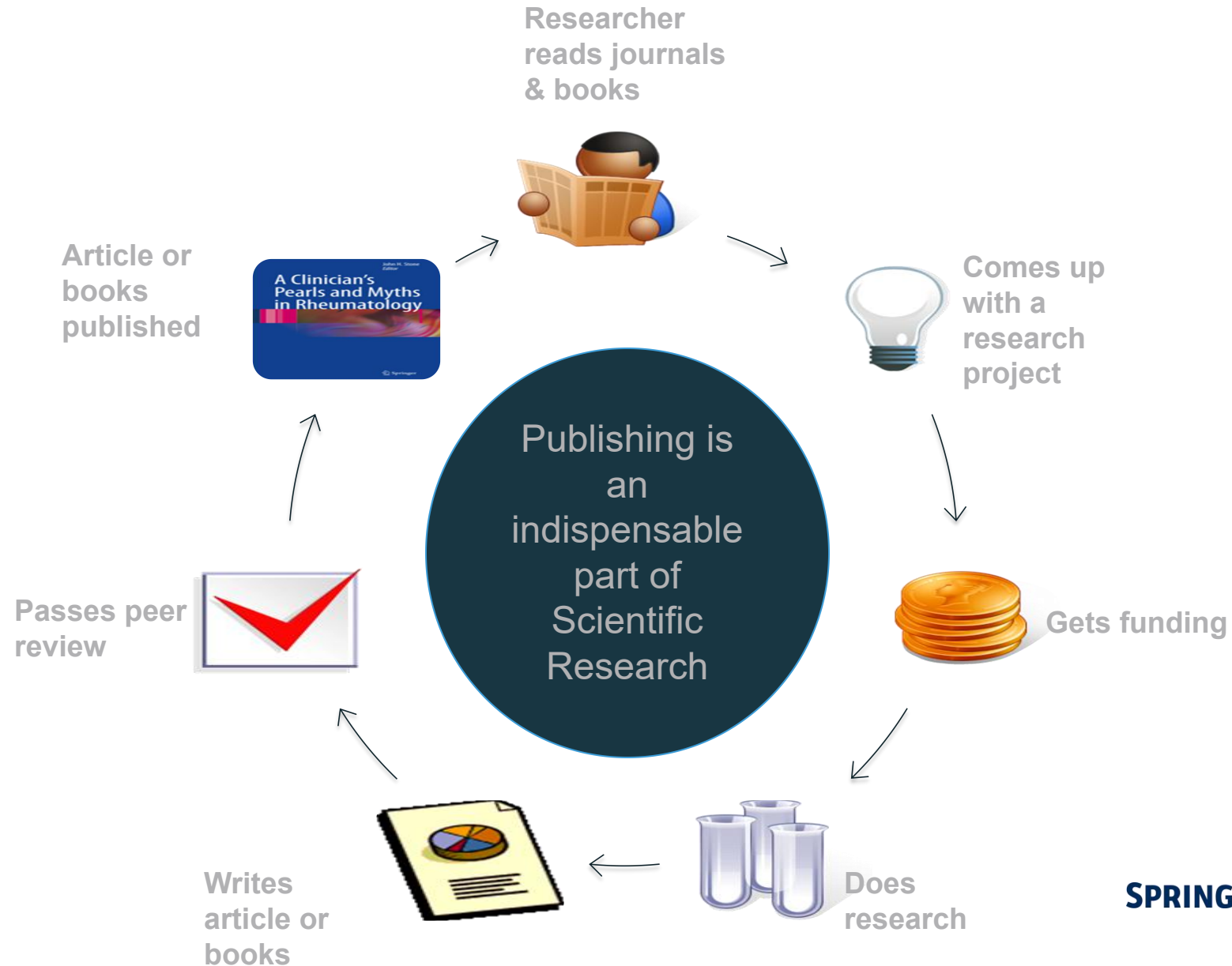
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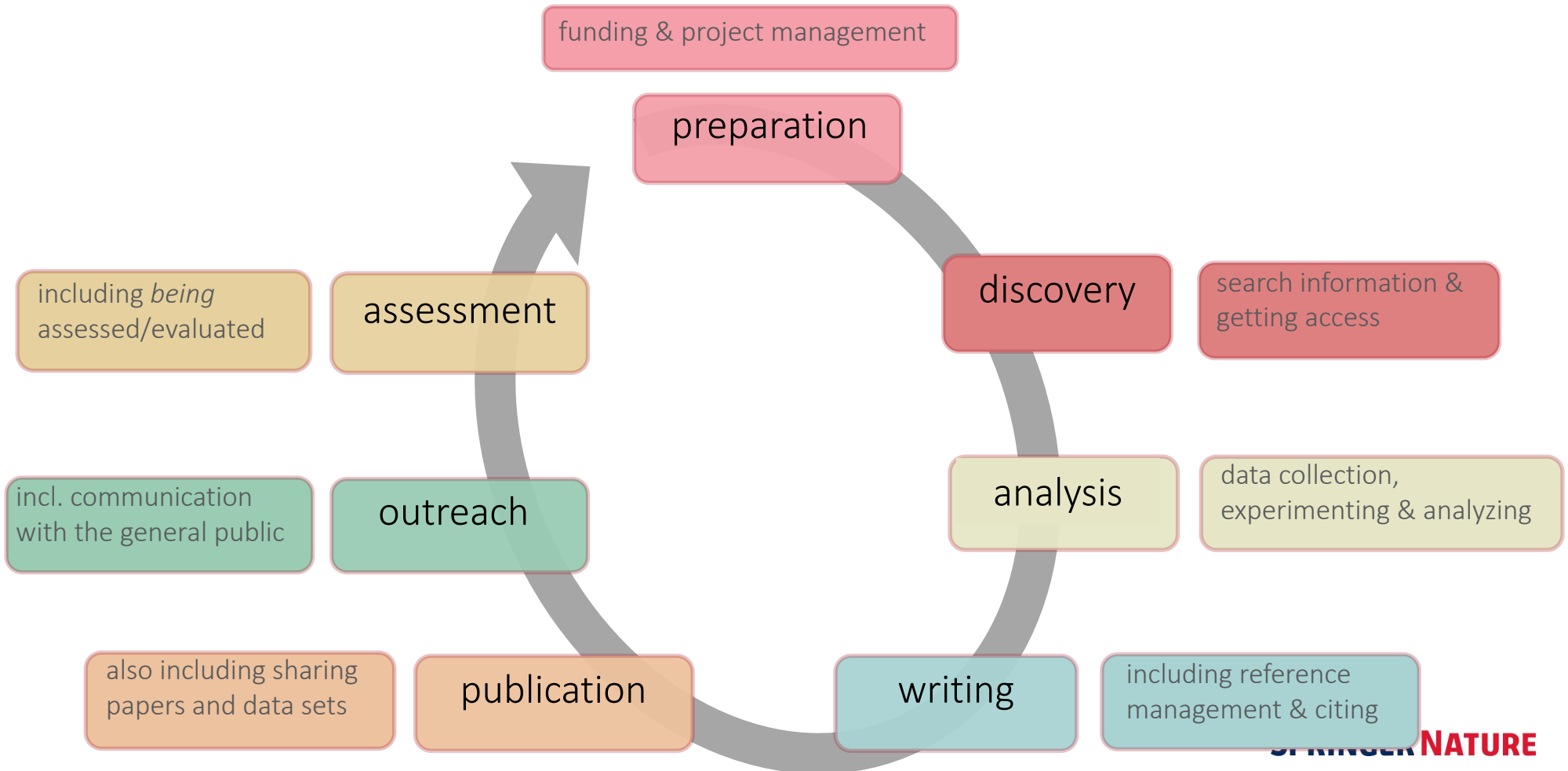
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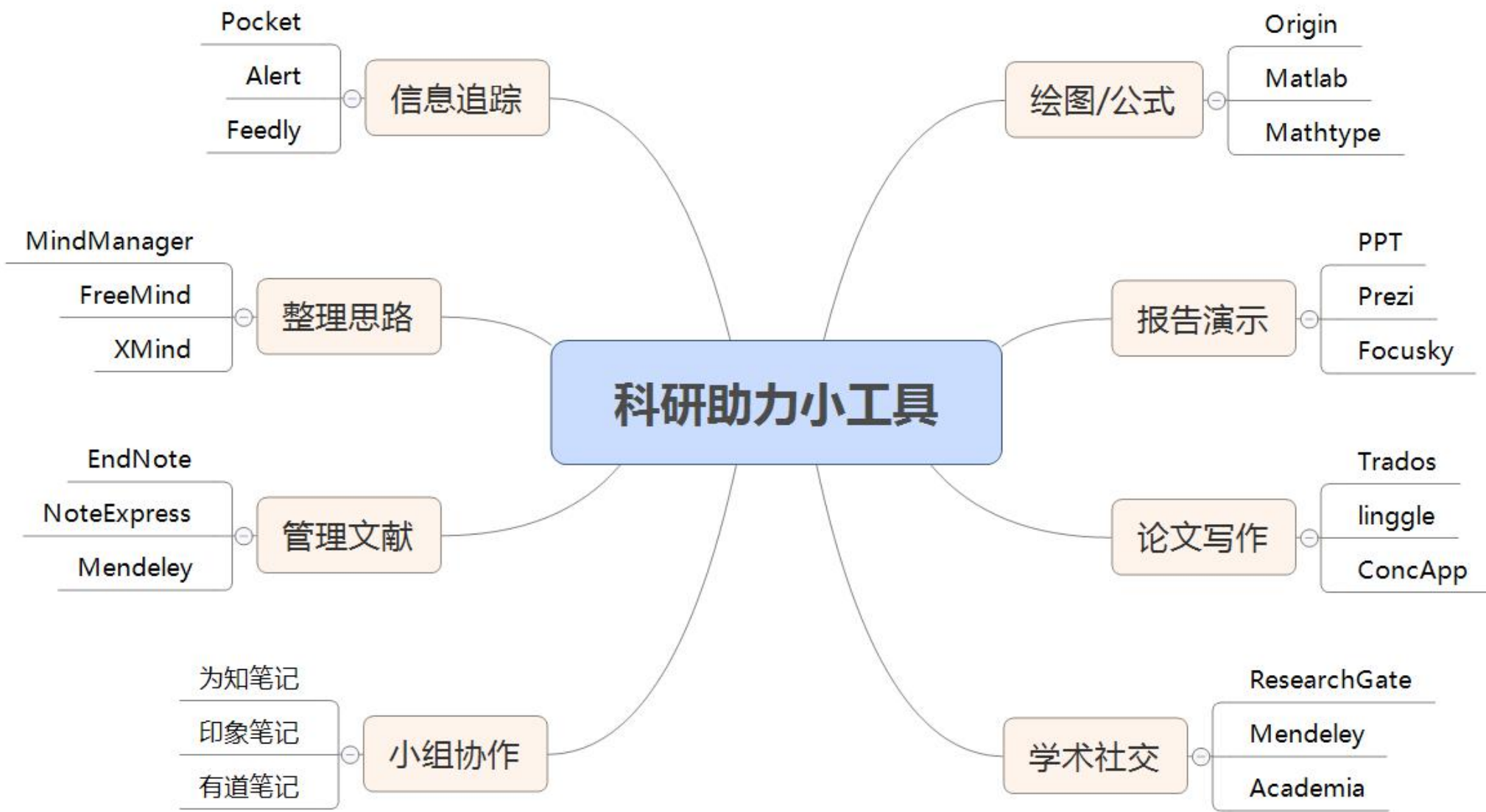


# A model of the research workflow



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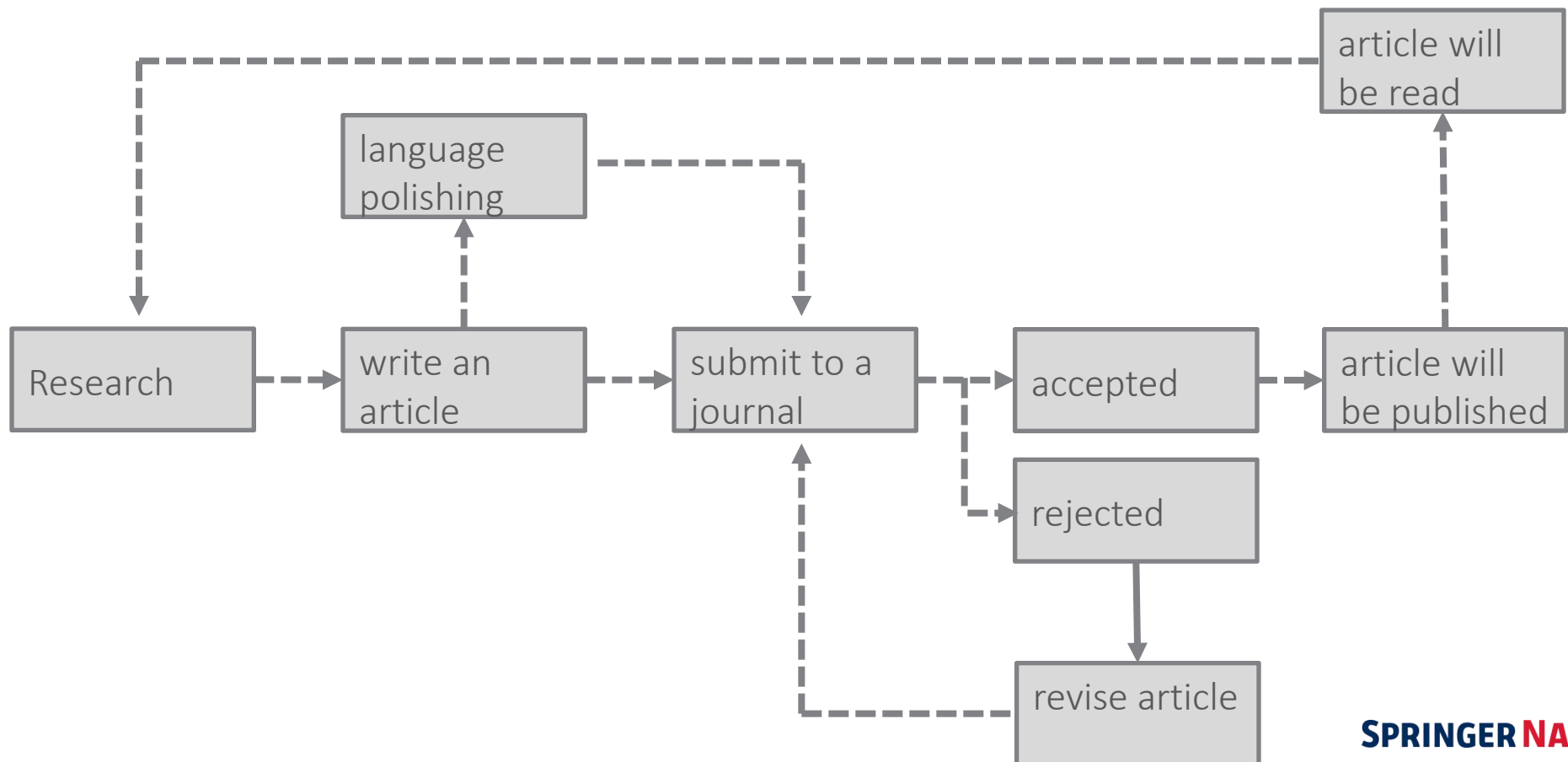
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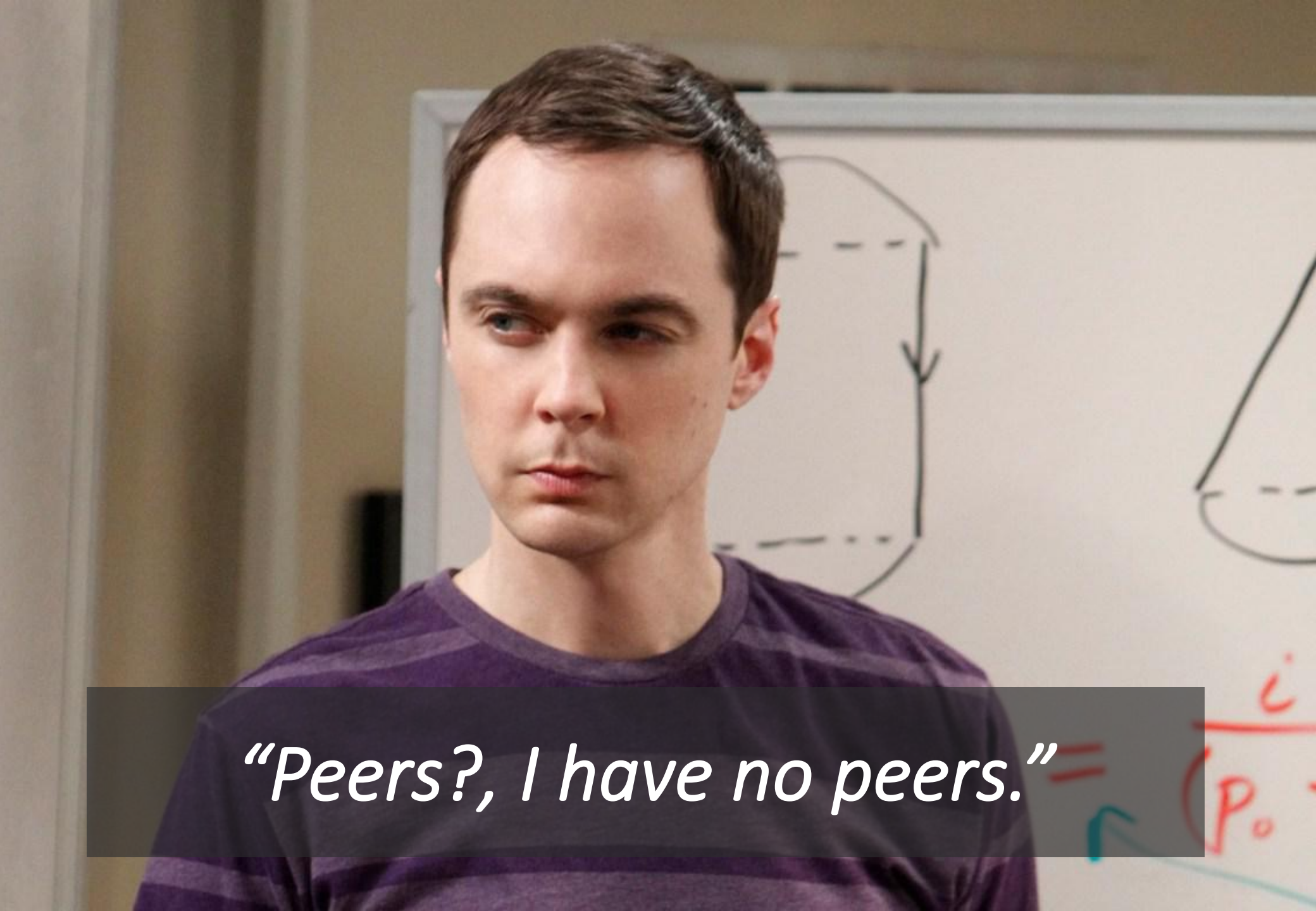


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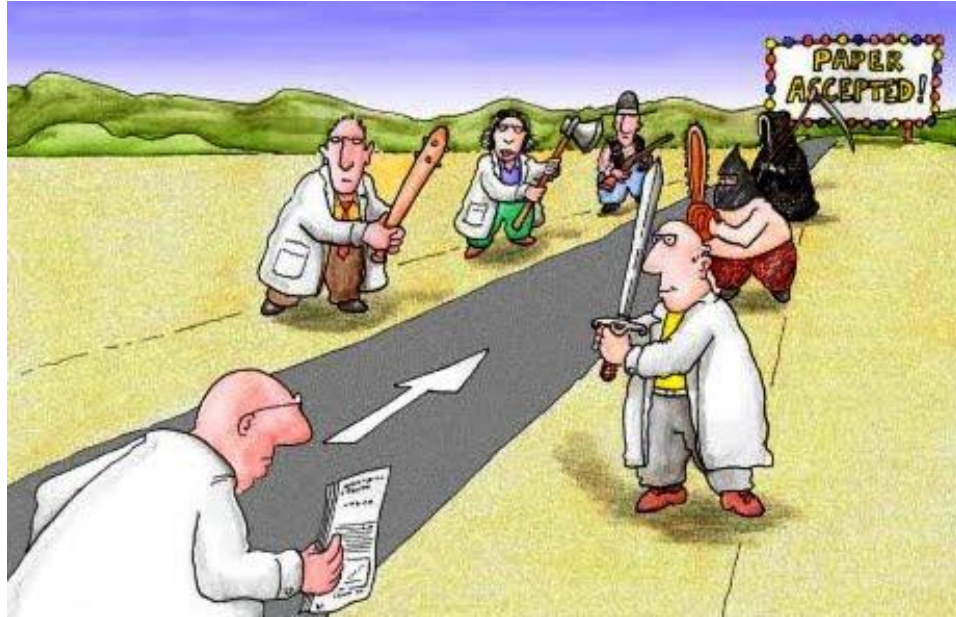
# The Life of a Journal Article Submission



A medium shot of Sheldon Cooper from the TV show 'The Big Bang Theory'. He is wearing a purple t-shirt and looking slightly to his left with a serious expression. Behind him is a whiteboard with some hand-drawn diagrams and mathematical symbols. One diagram shows a cylinder with a dashed line and an arrow pointing down. Another diagram on the right shows a cone. There are also some red and blue markings on the whiteboard, including a red 'i' over a red 'P\_0' and a blue arrow pointing up.

*"Peers?, I have no peers."*

## Peer review



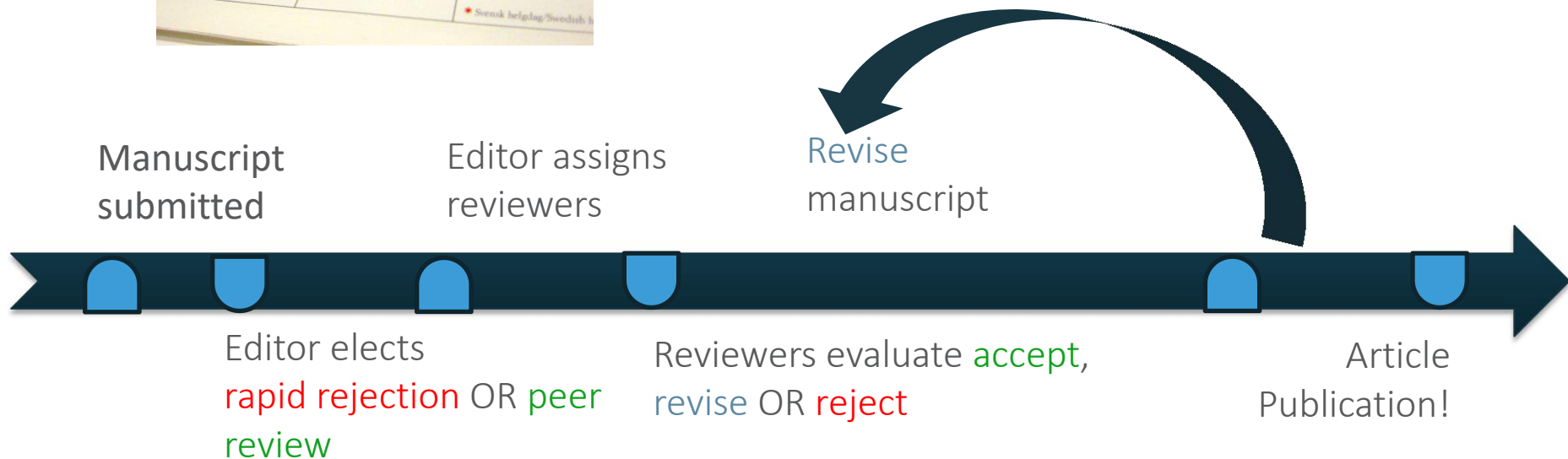
NATURE

## Peer review

Journal publishing timelines can vary depending on editor and reviewer



Submission to publication  
3 months – 12 months





# 期刊选择：作者和审稿人分别最关注什么？

- 作者最关注的因素：
  - 期刊的声誉
  - 目标读者群
  - 同行评审速度
  - 是否开放获取
- 审稿人需要何种稿件：
  - 与期刊主题相符
  - 科学合理性
  - 有何新发现
  - 该成果的进展是否能引起目标读者的兴趣

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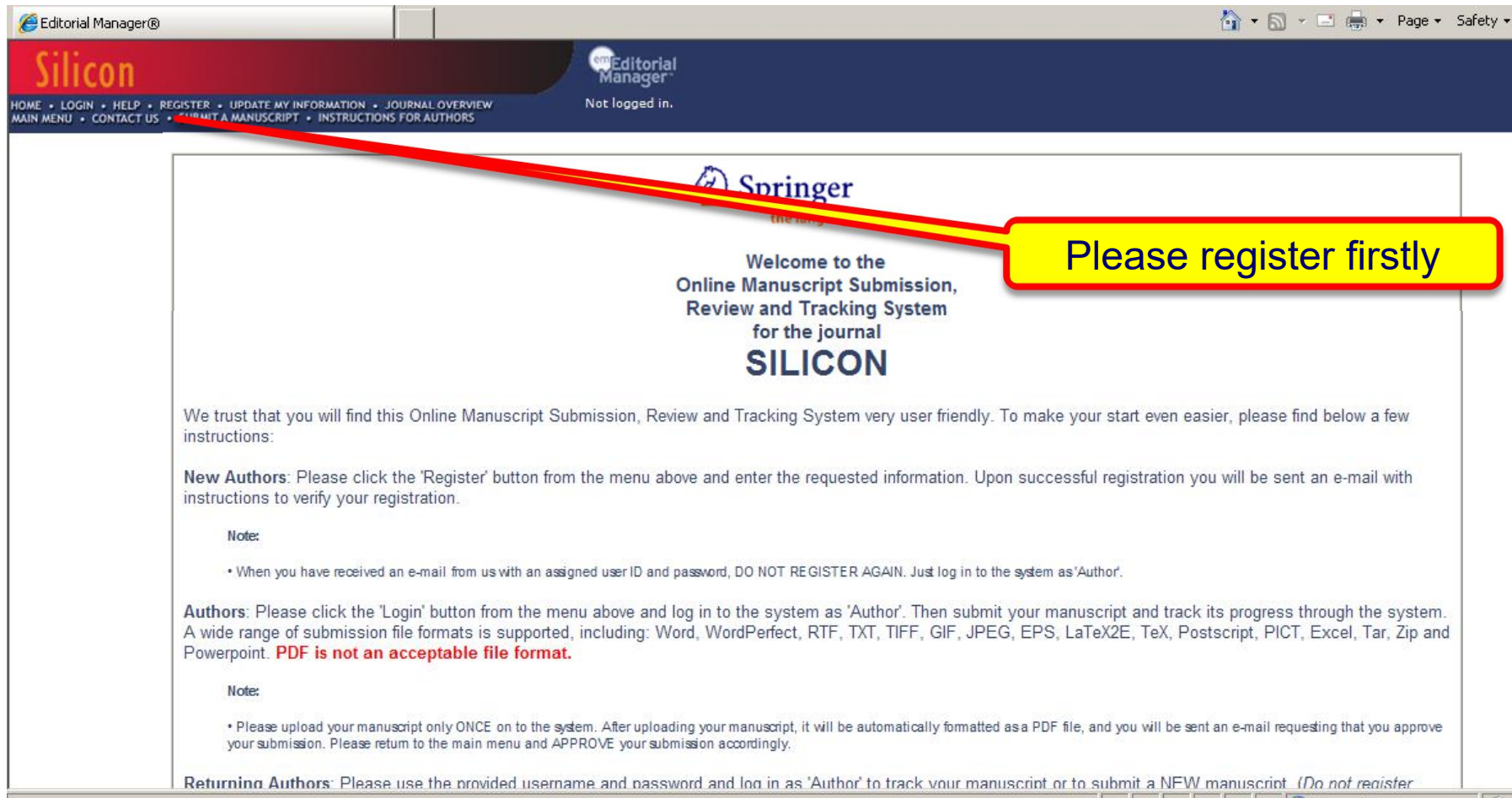
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# Submitting



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# Submitting

## Frequently Asked Questions

- ✓
- ✓
- 
- ✓
- ✓
- ✓
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- ✓
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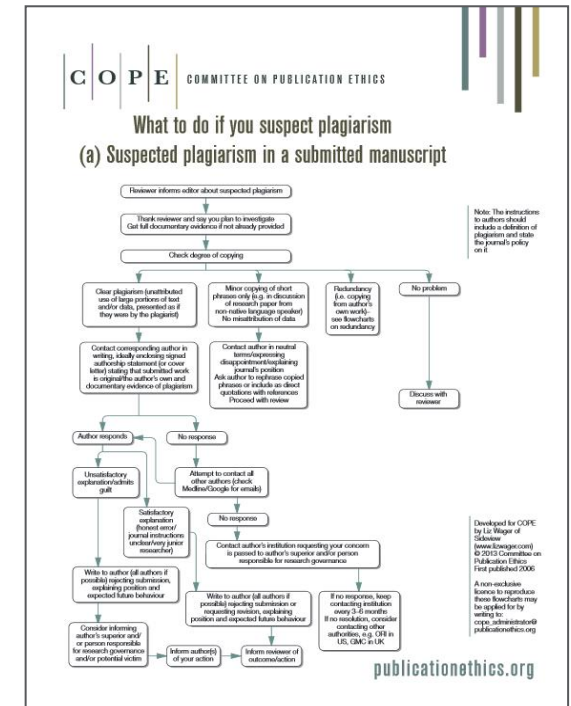
# Successful

# How do Editors deal with plagiarism? 编辑如何处理抄袭

- Use plagiarism detection software 使用抄袭检查软件

- During submission 投稿过程中发现抄袭
- Ask authors for explanation 要求作者解释
- Authors may be allowed to re-write 重写
- Manuscript may be **rejected** 拒稿
- Editor may contact authors' institution
- 报告学校

- After publication 发表后发现抄袭
- May publish **retraction or correction** 撤稿或修正



# 8 Tips for writing a good paper

# Before you begin

Research topics can be identified by exploiting opportunities



一开始时，你可以查阅本领域的文献。最初可以先看一些大家都感兴趣的期刊，看一些优秀的综述；当然，不要把自己的关注点局限在期刊里，看一本该领域内的书籍也是很有必要的，可以让你对该课题的历史及发展状况做一个全面的了解。



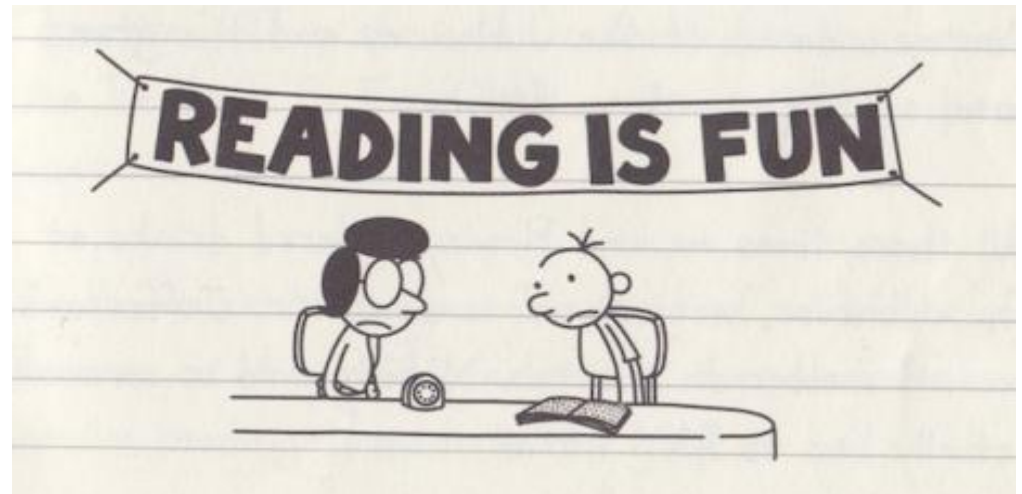
随着知识的积累，开始寻找一些令人困惑的现象，关于世界的未解之谜，新技术，亟需更佳解决方案的问题等。



带着准备好的问题与导师，师兄师姐交流，更可以参加一些学术会议，与该领域内某篇重要文献的作者直接进行交流。

# Tip 1

- **Read many papers 多读文章**
  - Know the field
  - Join a journal club
  - Read outside of your area to develop broad scope – think about quality of work
- 阅读自己研究领域以外的文献，拓宽知识面——注重研究质量
- Be aware of reporting guidelines



## Tip 2

- Be objective about your work  
客观对待自己的研究



.....Editors and reviewers will be 😊

## Tip 3

- **Write in good English 用英语好好写**
- Complex language is not needed. Best science is where complex ideas are expressed in a way that people not in that field can understand  
用非专业人士也能看懂的方式来表述复杂的想法
- Poorly written manuscripts get rejected – reviewers or editors lose patience or can't 'see' the results or advance  
表述不明的文章会被拒稿——审稿人和编辑会对该研究的结果丧失兴趣
- Use a professional copy-editing service

# The ABC of writing style



accurate



brief



clear

## Be accurate (准确)

- Tell your readers what they need to know

### Original

Of the 16.9-fold genome coverage, the majority was from 454 sequencing by synthesis of paired and unpaired reads, with the remaining coverage from Sanger dye primer sequencing of paired reads.

### Improved

Of the 16.9-fold genome coverage, 74% was from 454 sequencing by synthesis of paired and unpaired reads. Sanger dye primer sequencing of paired reads was used for the remaining 26% (Supplementary Table 1 and Supplementary Note).

## Be brief (简要)

- Keep to the point
- Avoid redundancy

### Original

Based on these results, we hypothesized that vaccinated control individuals would show similar cytokine profiles to those treated with compound X. To assess this hypothesis, we compared the cytokine profiles of the vaccinated control individuals with those of treated patients. We found a higher frequency of...

### Improved

Based on these results, we hypothesized that vaccinated control individuals would show similar cytokine profiles to those treated with compound X. By contrast, we found a higher frequency of...

## Brevity (简短)

Difficulty was experienced in obtaining the isolate in an extremely purified state.

*The isolate was difficult to purify completely.*

## Be clear (清晰)

- Break up long sentences
- Put closely related ideas together

### Original

Whereas chimpanzees are widespread across equatorial Africa, bonobos, which have a relatively small and remote habitat, which also meant that they were the last ape species to be described, live only south of the Congo River (Fig. 1a) and are the rarest of all apes in captivity.

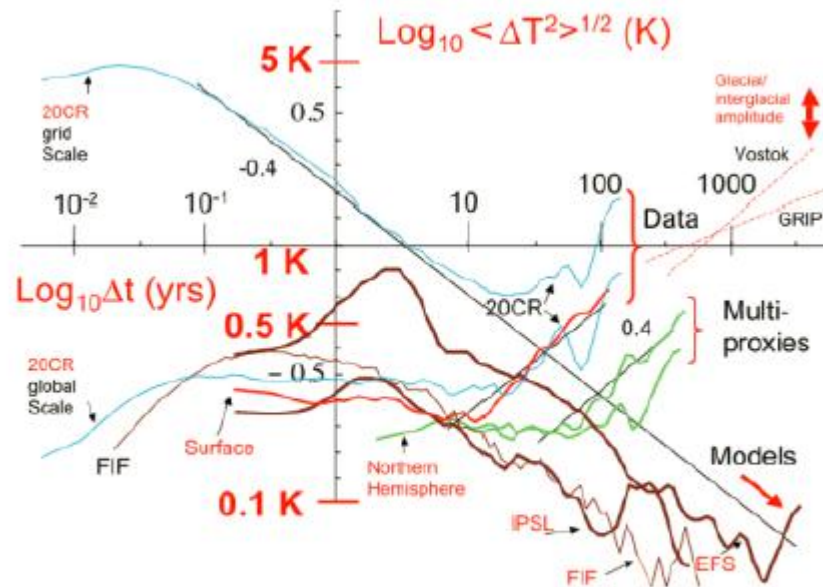
### Improved

Whereas chimpanzees are widespread across equatorial Africa, bonobos live only south of the Congo River (Fig. 1a). As a result of their relatively small and remote habitat, bonobos were the last ape species to be described and are the rarest of all apes in captivity.

## Be clear (清晰)

- Use simple words (but be specific)
- ✗ We found that the technique that we utilized had a relatively high accuracy in comparison with absorption spectroscopy (fig. 2).
- ✓ Our technique was more accurate than absorption spectroscopy (fig. 2).

## Be clear (清晰)



*Earth Syst. Dynam. Discuss.*, 3, 1259-1286, 2012

- Too much information!
- Difficult to pull the main claim of the paper out from the jumble of information provided. We need to be able to glance at the figures and understand them
- The axes labels of this graph can't be understood without referring to the text
- Trend lines: add more information to an already busy graphic
- Reference to a previous graphic ('Vostock' and 'GRIP')

## Tip 4

### Decide early on where to publish 提前决定投哪本期刊

- This will help shape your study, based on the goals needed for publication in your target journal. Will help define the form of study and advance required.

针对期刊对文章的要求进行研究，有助于把握研究方向和创新性。

- Look at journal's aims and scopes page

仔细阅读该期刊所涵盖领域及对文章的要求

- Think about how you will structure your papers when you design your experiment

在设计实验时就开始思考文章架构

- What controls and statistical tests are needed?

设置哪些对照组，使用何种统计方法

- What collaborators / co authors should you work with to complete study?

需要和哪些共同作者合作才能完成该研究

- What is your aim with study? What are you trying to show / prove?

研究目的是什么？想要表现或证明什么？

## Tip 5

### Quality is everything 质量决定一切

- Try to publish in as high a quality journal as you can.  
尽可能发表在质量最高的期刊上
- One great study is better than several lesser quality ones  
一篇高质量的文章 > 多篇内容相似的一般文章
- Avoid trying to publish lots of research papers that provide small amounts of new data from a single research project.  
切勿将一项完整的研究分割成若干篇文章发表

## Tip 6

### Become a reviewer! 珍惜审稿的机会！

- Get used to how to critically assess science – it will help you to assess your own study

了解如何批判地评估科研成果，有助于准确评估自己的工作

- Ask your supervisor if you can help with the next review they do

向导师申请帮其完成下一次的审稿工作

- You'll become familiar with issues that reviewers raise as you see other reports

看别人的审稿报告，熟悉审稿人如何提问



# Tip 7

## • Respond to reviewers and editors 如何回复编辑和审稿人

- Ensure you understand what reviewers and editors are asking for (if unsure make an informal query to the editor prior to submitting your response).

### 明白评审和编辑提出什么要求

- Provide a full, and concise point-by-point response to the reviewers and editors.

### 提交完整的回复，将评审和编辑的要求逐点说明

- If you disagree with an issue, provide a clear rationale for your argument within the response. Back up with references where possible.

### 如果对评审提出的问题有异议，需在回复中提供详细的论证，最好附有参考文献

- Give clear indication where revisions in the manuscript have been made (tracked changes, highlighted etc).

### 指明对文章的哪些部分进行了修改

We thank the reviewers for their detailed and insightful evaluations of our submitted manuscript. We address these point by point.

#### Reviewer 1

The primary outcome measure is described as both 'proportion corrected severe anaemia in <24 hr' AND time to correction. One is a straightforward comparison to two proportions and the second a more complex time-dependent function. Since sampling was 'only' 8 hourly, do we really gain much from using the more complex analyses? Suggest separating out the two ways of describing this end point in the text and table 3.

In the protocol the primary outcome is "Correction of severe anaemia (to a Hb > than 6g/dl) at 24 hours"; before analysis was done, a decision was made to analyse this using time-to-event methods because of the potential for a child to abscond from hospital before 24 hours and for missing Hb measurements at 24 hours to lead to censored observations. The analysis of time from randomisation also indicates when this correction most commonly occurred. We have amended the main text to make this clearer. Because the decision was made on this primary analysis method before starting the analysis, we do not think that this should be changed now. (Note: Figure 3(a) presents the mean haemoglobin at 24 hours in children still alive in each group.)

A related issue is given that sampling Hb values was 8 hourly - how can figure 2 have been generated in which the probability of Hb correction is described as a continuous variable?

Although measurements were 8 hourly in the protocol there was some variation around this in practice. Figure 2 does show 'jumps' clearly indicating the 8 hourly measurements but it also provides additional information about when correction occurred as some jumps are larger than others. The title and y axis label have been changed to clarify that this shows the time to the first haemoglobin measurement >6g/dl.

**Typos: methods** Extra full stop 1st sentence in screened procedure and extra underscore from penultimate paragraph; "Furthermore, there is evidence indicating SMA has a"

We thank the reviewer for noting the grammatical errors- in the revised manuscript these have been corrected.

#### Reviewer 2

1. Provide comment on baseline differences particularly the greater proportion on patients in T30 with sickle cell anaemia and convulsions compared to T20; and the greater proportion of patients with "prostration" in the T20 group.

## Tip 8

### Learn to live with rejection! 正确看待被拒稿

- All scientific careers are faced with rejection  
被拒稿是每个研究人员的必经之路
- Take reviewers advice and improve the study / manuscript  
根据审稿人的意见进行修改
- If you are invited to resubmit, do the revisions that the reviewers request.  
Don' t argue for the sake of it  
如果有重投的机会，一定要根据审稿人的意见进行修改，切勿进行过多争论
- There are other journals  
选择其他期刊
- Try not to resent negative comments  
不要给出负面回应和评论
  - You can appeal If there has been an error 如果有事实错误可以申诉
  - If you have new data to support your findings 用新数据来支持发现

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**1700余种， 11个学科。**

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|                                                            | Engineering                         | 工程学       |
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|                                                            | Business and Economics              | 商学和经济学    |
|                                                            | Humanities, Social Sciences and Law | 人文社科和法律   |

**What is the *ABC* of writing style ?**

# The ABC of writing style

**a**

accurate

**b**

brief

**c**

clear

编辑如何处理抄袭？

# How do Editors deal with plagiarism? 编辑如何处理抄袭

- Use plagiarism detection software 使用抄袭检查软件

- During submission 投稿过程中发现抄袭
- Ask authors for explanation 要求作者解释
- Authors may be allowed to re-write 重写
- Manuscript may be **rejected** 拒稿
- Editor may contact authors' institution
- 报告学校

- After publication 发表后发现抄袭
- May publish **retraction or correction** 撤稿或修正

