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2021.04



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1. 信息访问的权限（免费 OR 收费）
2. 开放资源与开放科学（OA资源）
3. 一般搜索引擎（高级）
4. 学术搜索引擎
5. 科学评价与利用





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LIGO: The Laser Interferometer Gravitational-Wave Observatory

Alex Abramovici¹, William E. Althouse¹, Ronald W. P. Drever¹, Yekta Gürsel², Seiji Kawamura¹, Frederick J. Raab¹, David Shoemaker³, Lisa Sievers¹, Robert E. Spero¹, Kip S. Thorne¹, Rochus E. Vogt¹, Rainer Weiss³, Stanley E. Whitcomb¹, Michael E. Zucker¹

+ Author Affiliations

Science 17 Apr 1992:
Vol. 256, Issue 5055, pp. 325-333
DOI: 10.1126/science.256.5055.325

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Science

Vol 256, Issue 5055
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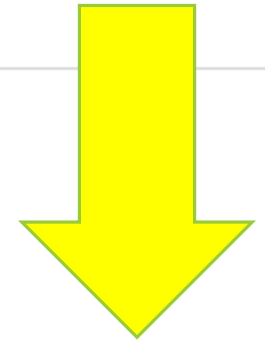
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Based on plasma-treated single wall carbon nanotubes (SWCNTs), SWCNT/SiO₂ and thiol groups-functionalized SWCNT/SiO₂ hybrids have been fabricated through a sol-gel process. By means of thiol groups, Ag nanoparticle...

Haiqing Li, Chang-Sik Ha, Il Kim in *Nanoscale Research Letters* (2009)

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The Effect of Nanotube Interaction on the Mechanical Behavior of

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从佩雷尔曼获奖说起

2006年8月，国际数学家大会在西班牙马德里召开，国际数学联合会将菲尔茨奖(Fields Medal)授予俄罗斯数学家佩雷尔曼（**G. Perelman**）。该奖项被称为“数学界的诺贝尔奖”

然而，这位数学家却拒绝领奖。~~这件事引发公众的好奇：佩雷尔曼是怎样的一位数学家？他究竟因何获奖？



原来...

从2002年底到2003年初，短短几个月的时间，佩雷尔曼先后发表了三篇文章，成功破解了数学界著名难题——庞加莱猜想（Poincaré conjecture）

此研究被《自然》杂志评为2003年科学界十大进展之一
而他的3篇重量级学术论文发表在哪里呢 ~~



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2003(2)

2002(1)

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Differential Geometry(3)

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Grisha Perelman(3)

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1. [arXiv:math/0307245](#) [pdf]

Finite extinction time for the solutions to the Ricci flow on certain three-manifolds

Grisha Perelman

注解: 7 pages

分类: Differential Geometry

MSC分类: 53C

Let M be a closed oriented three-manifold, whose prime decomposition contains no aspherical factors. We show that for any initial riemannian metric on M the solution to the Ricci flow with surgery, defined in our previous paper math.DG/0303109, becomes extinct in finite time. The proof uses a version of the minimal disk argument from 1999 paper by Richard Hamilton, and a regularization of the curve shortening flow, worked out by Altschuler and Grayson.

提交时间 : 2003-07-17

2. [arXiv:math/0303109](#) [pdf]

Ricci flow with surgery on three-manifolds

Grisha Perelman

注解: 22 pages

分类: Differential Geometry

MSC分类: 53C

This is a technical paper, which is a continuation of math.DG/0211159. Here we construct Ricci flow with surgeries and verify most of the assertions, made in section 13 of that e-print; the exceptions are (1) the statement that manifolds that can collapse with local lower bound on sectional curvature are graph manifolds - this is deferred to a separate paper, since the proof has nothing to do with the Ricci flow, and (2) the claim on the lower bound for the volume of maximal horns and the smoothness of solutions from some time on, which turned out to be unjustified and, on the other hand, irrelevant for the other conclusions.

提交时间 : 2003-03-10

3. [arXiv:math/0211159](#) [pdf]

The entropy formula for the Ricci flow and its geometric applications

Grisha Perelman

注解: 39 pages

分类: Differential Geometry

MSC分类: 53C

We present a monotonic expression for the Ricci flow, valid in all dimensions and without curvature assumptions. It is interpreted as an entropy for a certain canonical ensemble. Several geometric applications are given. In particular, (1) Ricci flow, considered on the space of riemannian metrics modulo diffeomorphism and scaling, has no nontrivial periodic orbits (that is, other than fixed points); (2) In a region, where singularity is forming in finite time, the injectivity radius is controlled by the curvature; (3) Ricci flow can not quickly turn an almost euclidean region into a very curved one, no matter what happens far away. We also verify several assertions related to Richard Hamilton's program for the proof of Thurston geometrization conjecture for closed three-manifolds, and give a sketch of an eclectic proof of this conjecture, making use of earlier results on collapsing with local lower curvature bound.

提交时间 : 2002-11-11

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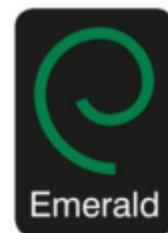
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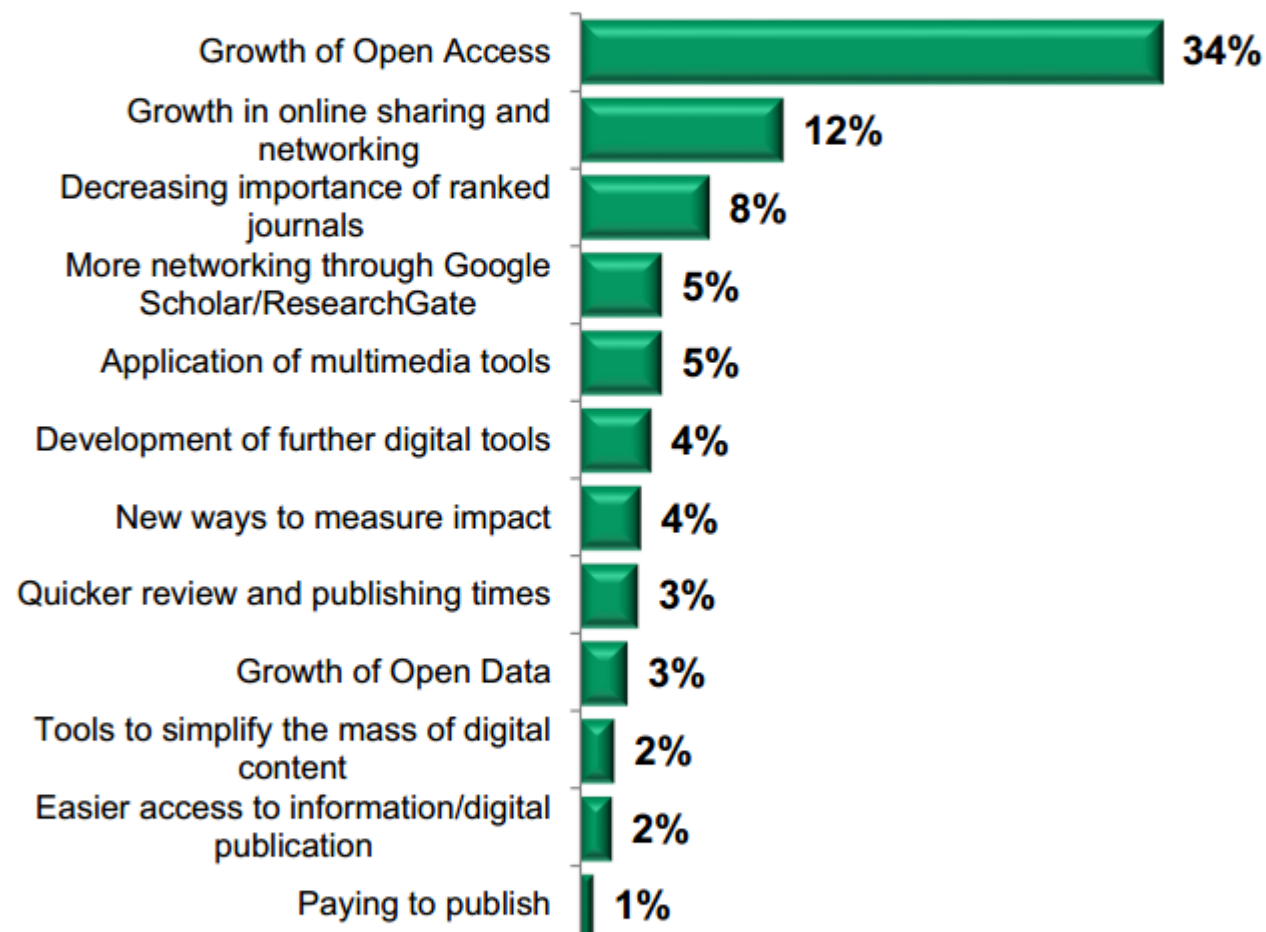
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From: 李晓明 孙睿晨 知识分子 2 days ago



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撰文 | 李晓明 孙睿晨

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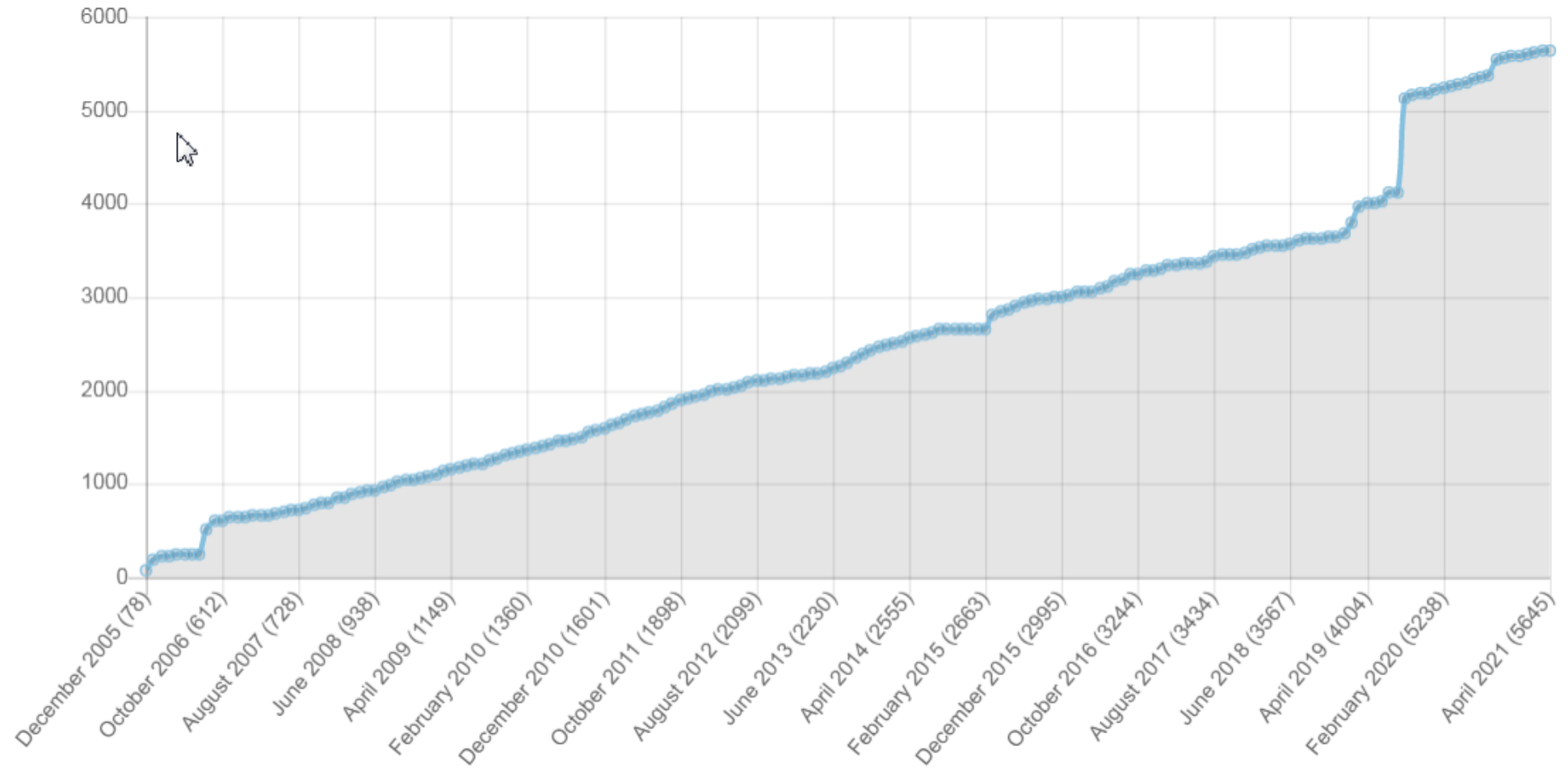
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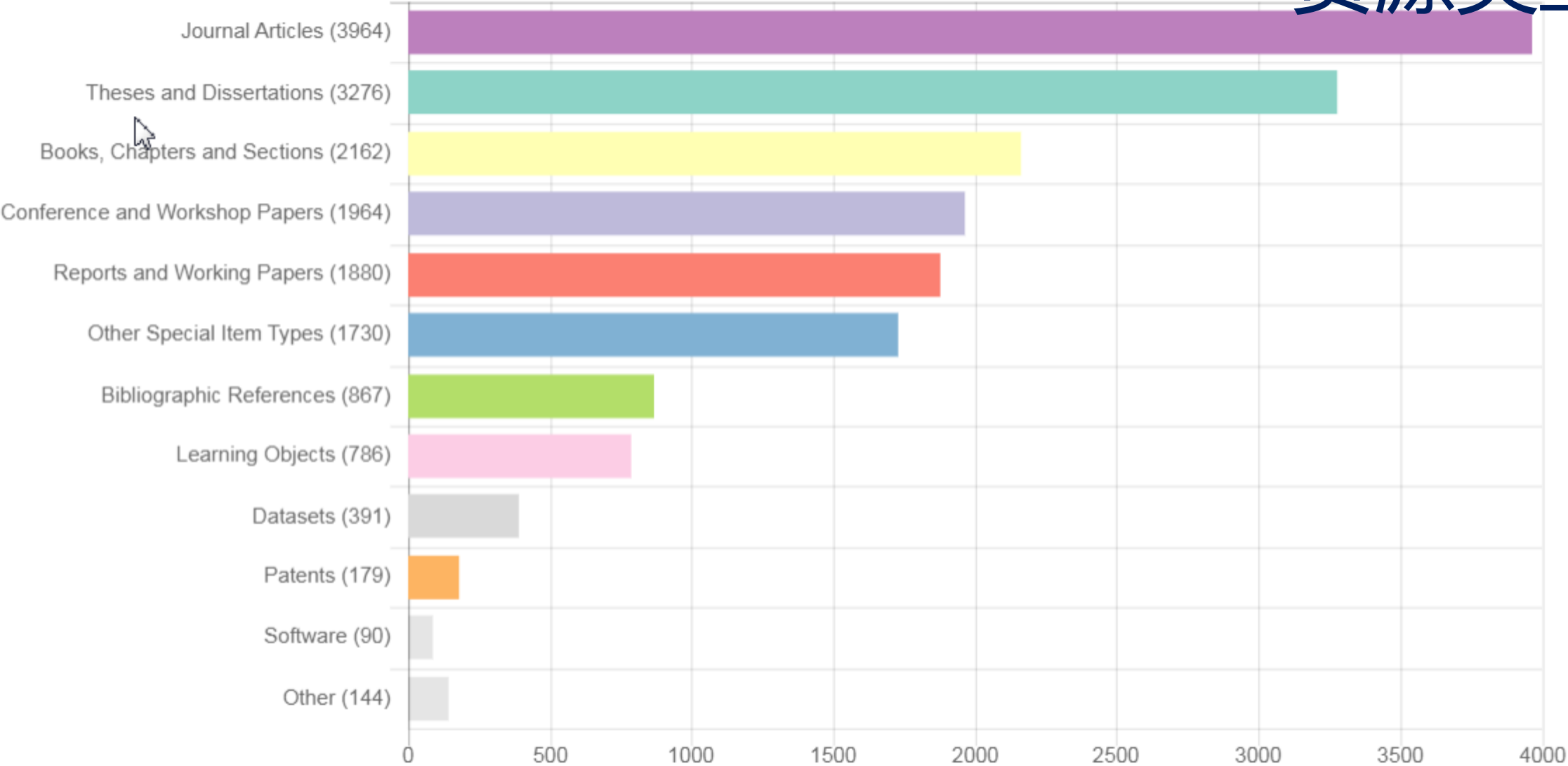
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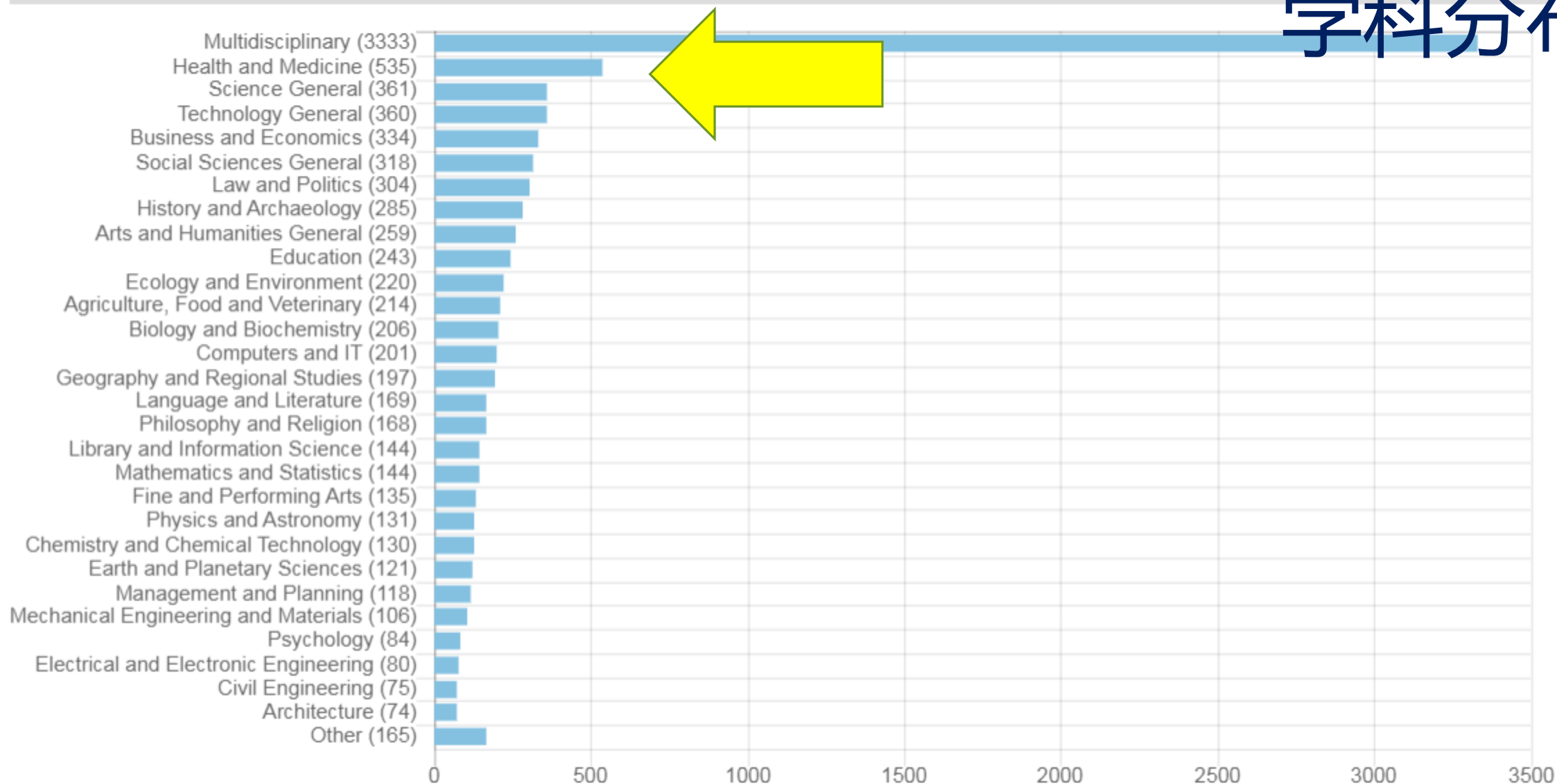
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Article

A new coronavirus associated with human respiratory disease in China

<https://doi.org/10.1038/s41586-020-2008-3>

Received: 7 January 2020

Accepted: 28 January 2020

Fan Wu^{1,6}, Su Zhao^{2,6}, Bin Yu^{3,6}, Yan-Mei Chen^{1,6}, Wen Wang^{4,6}, Zhi-Gang Song^{1,6}, Yi Hu^{2,6}, Zhao-Wu Tao², Jun-Hua Tian², Yuan-Yuan Pei¹, Ming-Li Yuan², Yu-Ling Zhang², Fa-Hui Dai¹, Yi Liu², Qi-Min Wang¹, Jiao-Jiao Zheng¹, Lin Xu², Edward C. Holmes⁵ & Yong-Zhen Zhang^{1,4*}

nature

<https://doi.org/10.1038/s41586-020-2012-7>

Accelerated Article Preview

A pneumonia outbreak associated with a new coronavirus of probable bat origin

Received: 20 January 2020

Accepted: 29 January 2020

Accelerated Article Preview

Published online 3 February 2020

Peng Zhou, Xing-Lou Yang, Xian-Guang Wang, Ben Hu, Lei Zhang, Wei Zhang, Hao-Rui Si, Yan Zhu, Bei Li, Chao-Lin Huang, Hui-Dong Chen, Jing Chen, Yun Luo, Hua Guo, Ren-Di Jiang, Mei-Qin Liu, Ying Chen, Xu-Rui Shen, Xi Wang, Xiao-Shuang Zheng, Kai Zhao, Quan-Jiao Chen, Fei Deng, Lin-Lin Liu, Bing Yan, Fa-Xian Zhan, Yan-Yi Wang, Geng-Fu Xiao & Zheng-Li Shi



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Complete genome characterisation of a novel coronavirus associated with severe human respiratory disease in Wuhan, China

Fan Wu, Su Zhao, Bin Yu, Yan-Mei Chen, Wen Wang, Yi Hu, Zhi-Gang Song, Zhao-Wu Tao, Jun-Hua Tian, Yuan-Yuan Pei, Ming-Li Yuan, Yu-Ling Zhang, Fa-Hui Dai, Yi Liu, Qi-Min Wang, Jiao-Jiao Zheng, Lin Xu, Edward C Holmes, Yong-Zhen Zhang

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Discovery of a novel coronavirus associated with the recent pneumonia outbreak in humans and its potential bat origin

Peng Zhou, Xing-Lou Yang, Xian-Guang Wang, Ben Hu, Lei Zhang, Wei Zhang, Hao-Rui Si, Yan Zhu, Bei Li, Chao-Lin Huang, Hui-Dong Chen, Jing Chen, Yun Luo, Hua Guo, Ren-Di Jiang, Mei-Qin Liu, Ying Chen, Xu-Rui Shen, Xi Wang, Xiao-Shuang Zheng, Kai Zhao, Quan-Jiao Chen, Fei Deng, Lin-Lin Liu, Bing Yan, Fa-Xian Zhan, Yan-Yi Wang, Geng-Fu Xiao, Zheng-Li Shi

Posted January 23, 2020.

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参考报道: <https://www.antpedia.com/news/73/n-2354573.html>

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- 生物科技
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自疫情爆发以来，ChinaXiv全力支持国内外相关研究内容的预发布，并于近期收到大量关于新冠肺炎的论文。本平台提示您：目前这些论文是未经同行评审的初步报告，不应被视为结论性的、指导临床实践/健康相关行为的信息，也不应作为既定事实新闻媒体报道。ChinaXiv提醒各类不同用户注意，坚持实事求是的态度和严肃负责的精神，共同创造良好的学术交流氛围。具体内容，参见“中国科学院科技论文预发布平台（ChinaXiv）关于规范开展预印本学术交流的几点说明”。

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NEW 中国科学院科技论文预发布平台（ChinaXiv）关于规范开展预印本学术交流的几点说明

2020年02月05日：ChinaXiv呼吁：把论文“写在祖国大地上”

2019年12月19日：ChinaXiv走进第七届中国机构知识库学术研讨会

2019年11月05日：ChinaXiv项目负责人在第八届中国开放获取周做报告

2019年09月09日：ChinaXiv项目负责人在亚太医学期刊编辑协会2019年大会上做主旨报告

2019年08月23日：ChinaXiv项目负责人在第11届BIBF馆长论坛做主旨报告

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A部：人类生活必需

B部：作业 运输

C部：化学 冶金

D部：纺织 造纸

E部：固定建筑物

F部：机械工程 照
明 加热 武器 爆破

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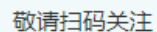
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为加快实施国家创新驱动发展战略, 根据国家“863”、“973”、国家科技支撑计划、符合产业转型升级方向、先进适用的科技成果、先进制造等11个技术领域。旨在通过需求牵引、企业主体、市场导向、政府支持、产学研用协同、分类机构参与, 推动一批科技成果转化与示范应用, 促进产业转型升级与经济结构调整, 更好发挥科技创新引领作用。

报告导航(266029)

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国家统计局

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政府信息



热词: GDP CPI PPI PMI 总人口 社会消费品零售总额

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发布日程表

4月6日 周二 09:30

流通领域重要生产资料市场价格变动情况

4月9日 周五 9:30

居民消费价格指数月度报告
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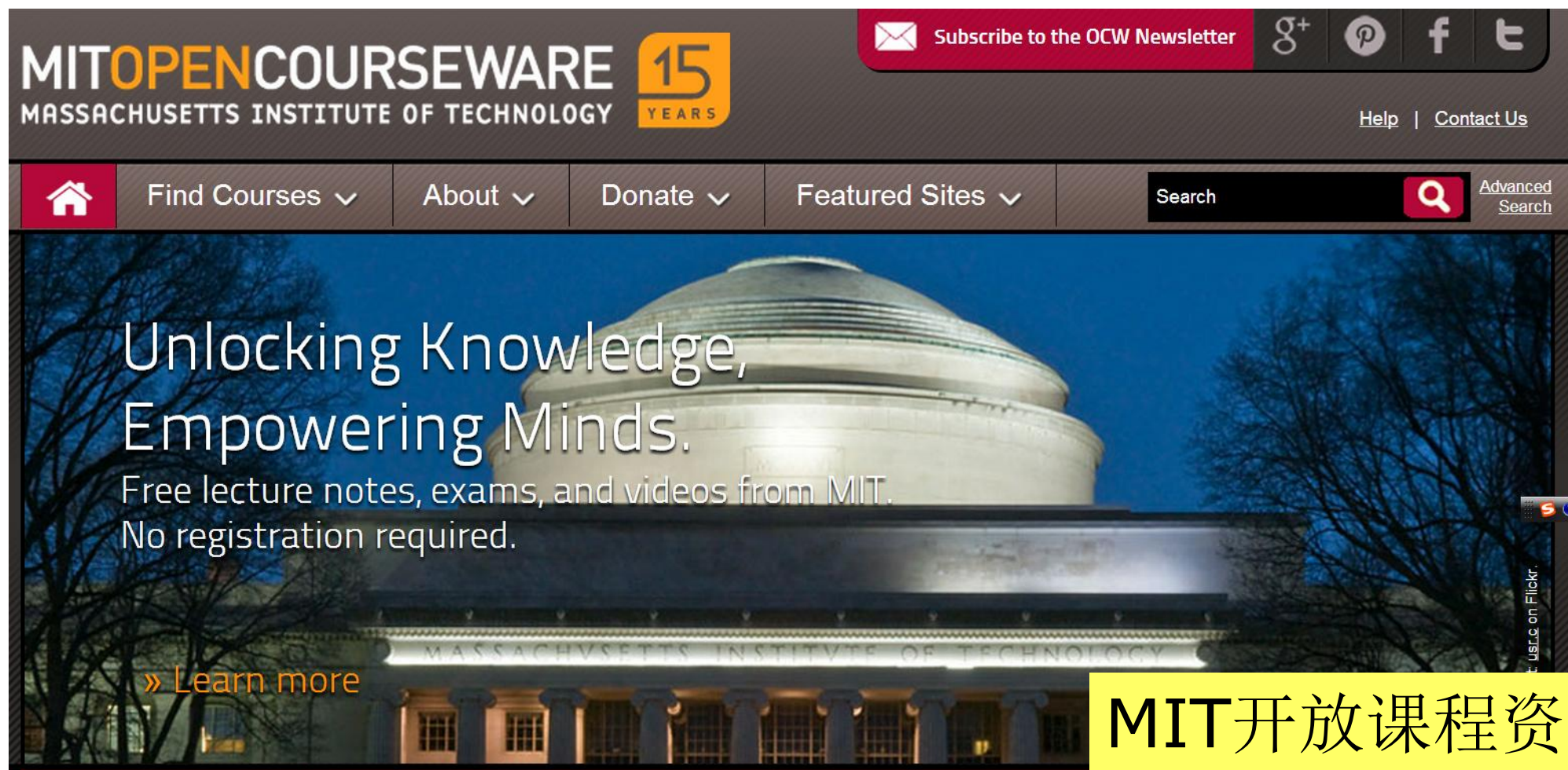
Getting Starte

Health expenditure and financing

Customise Export Draw chart My Queries

Financing scheme		All financing schemes
Function		Current expenditure on health (all functions)
Provider		All providers
Measure		Share of gross domestic product
Year		2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013
Country	Unit	
Australia	Percentage	(D) 7.6 (D) 7.7 (D) 7.9 (D) 7.9 (D) 8.1 (D) 8.0 (D) 8.0 (D) 8.1 (D) 8.3 (D) 8.6 (D) 8.4 (D) 8.6 (D) 8.7 (D) 8.8
Austria	Percentage	9.2 9.3 9.4 9.5 (B) 9.7 9.6 9.5 9.5 (B) 9.7 10.2 10.2 10.0 10.2 10.1
Belgium	Percentage	7.9 8.1 8.3 (B) 9.0 9.1 9.0 8.9 8.9 9.3 10.0 9.8 10.0 10.1 10.2
Canada	Percentage	8.3 8.7 8.9 9.0 9.1 9.1 9.2 9.3 9.5 10.6 10.6 10.2 10.2 10.3
Chile	Percentage	7.0 7.2 7.3 7.3 6.9 6.6 6.0 6.2 6.7 7.2 6.8 6.8 7.0 7.1
Czech Republic	Percentage	(B) 5.7 5.9 6.2 (B) 6.6 6.4 6.4 6.2 6.0 6.4 7.3 6.9 7.0 7.0 (B) 7.1

教学资源

The image shows the top portion of the MIT OpenCourseWare website. The header is dark grey with the MIT OpenCourseWare logo on the left, which includes the text 'MITOPENCOURSEWARE' and 'MASSACHUSETTS INSTITUTE OF TECHNOLOGY' along with a '15 YEARS' anniversary badge. To the right of the logo is a red button that says 'Subscribe to the OCW Newsletter' with an envelope icon. Further right are social media icons for Google+, Pinterest, Facebook, and Twitter. Below these are links for 'Help' and 'Contact Us'. A navigation bar below the header contains a home icon, 'Find Courses', 'About', 'Donate', and 'Featured Sites', each with a dropdown arrow. To the right of the navigation bar is a search bar with a magnifying glass icon and the text 'Search' and 'Advanced Search'. The main banner features a night photograph of the MIT dome. Overlaid on the banner is the text 'Unlocking Knowledge, Empowering Minds.' followed by 'Free lecture notes, exams, and videos from MIT. No registration required.' and a link '» Learn more'.

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<http://ocw.mit.edu/>

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中国大学MOOC <http://www.icourse163.org/>

<https://www.edx.org/>

<https://www.coursera.org/>



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xuetangx.com

课程 院校 广场 学堂云 雨课堂 App下载

课程、老师、学校

15



信息素养——学术研究的必修课（通识版）

来自于：清华大学 | 分类：经济·管理(145)、社科·法律(114)



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本课程将帮助你提高信息素养，在多彩的信息海洋中精准捕获、享用高质量信息，在学术之道上不断创新、健步前行。

🕒 开课时间：8 天前开课

🕒 学习时长：3小时/周

📖 课程进度：连载至第2讲

👤 报名人数：3632 人

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 - ✓ 不少研究表明，在开放获取资源平台发布研究论文，可以尽早宣布知识发现的优先权，还一定程度上有助于提高文献被发现和被引用率！（当然还要注意具体开放获取的政策、遵守相关规定）
 - ✓ 谨防假冒、掠夺性期刊
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化学领域预印本平台ChemRxiv.org网站：科研人员使用ChemRxiv发表成果的八项益处

1. Gather feedback and context from fellow scientists

收集同行科学家的反馈及相关信息

2. Rapidly disseminate work to a wide audience

迅速向广大受众传播成果

3. Establish the priority and precedence of a discovery

确立发现的优先权顺序

4. Boost the visibility of research findings

提高研究成果的可见性

<https://www.dimensions.ai/products/free>

5. Find potential collaborators and hold interdisciplinary discussion

寻找潜在的合作者并进行跨学科的讨论

6. Document research results for grant reviewers in advance of publication

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7. Facilitate rapid evaluation of results

促进快速评估结果

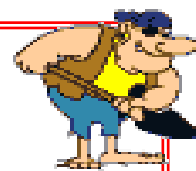
8. Spot trends and encourage a broad range of constructive feedback

观察趋势并鼓励广泛的建设性反馈



3. 一般搜索引擎

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百度的这个界面，你用过吗？

搜索设置 高级搜索 首页设置

搜索结果：

包含全部关键词 |

包含完整关键词 |

包含任意关键词 |

不包括关键词 |

时间：限定要搜索的网页的时间是

全部时间 ▾

文档格式：搜索网页格式是

所有网页和文件 ▾

关键词位置：查询关键词位于

☒ 网页任何地方 ☐ 仅网页标题中 ☐ 仅URL中

站内搜索：限定要搜索指定的网站是

例如：baidu.com

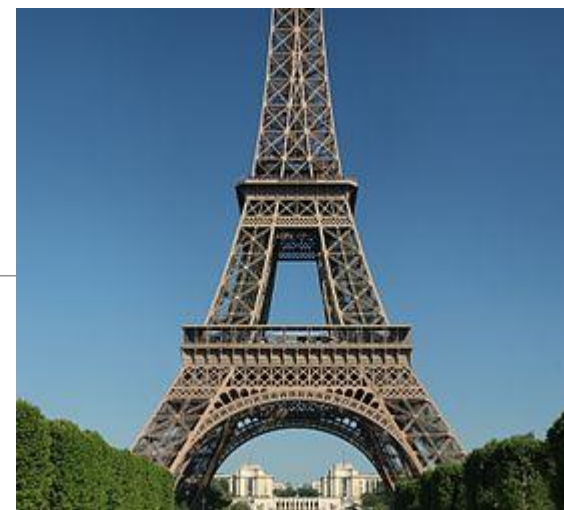
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图片搜索——看图识图？

一种鸟，什么类？

一副名画，谁画的？

一个地标建筑，这是哪里？



实例1：3D打印有没有相关的行业标准？

3D打印 标准

技巧提示：提炼关键词，多个关键词用空格隔开，表示“逻辑与”的关系

✓ 3D 打印也叫“增材制造”



标准 (3d打印 | 增材制造)



百度一下

标准 (3d打印 | 增材制造)

搜索设置

高级搜索

搜索结果：

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包含完整关键词 |

包含任意关键词 | 3d打印 增材制造

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文档格式：搜索网页格式是

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例如：baidu.com

高级搜索

高级搜索：逻辑运算——提高搜索效率



The image shows a screenshot of a search engine's advanced search settings page. The page has three tabs: '搜索设置' (Search Settings), '高级搜索' (Advanced Search), and '首页设置' (Homepage Settings). The '高级搜索' tab is selected. The settings are organized into several sections:

- 搜索结果：** (Search Results) with four options: '包含全部关键词' (Include all keywords), '包含完整关键词' (Include full keywords), '包含任意关键词' (Include any keywords), and '不包括关键词' (Exclude keywords).
- 时间：** (Time) with a label '限定要搜索的网页的时间是' (Limit the time of the web pages to be searched) and a dropdown menu set to '全部时间' (All time).
- 文档格式：** (Document format) with a label '搜索网页格式是' (Search web page format is) and a dropdown menu set to '所有网页和文件' (All web pages and files).
- 关键词位置：** (Keyword location) with a label '查询关键词位于' (Query keywords are located) and three radio buttons: '网页任何地方' (Anywhere on the web page), '仅网页标题中' (Only in the web page title), and '仅URL中' (Only in the URL).
- 站内搜索：** (Site search) with a label '限定要搜索指定的网站是' (Limit the search to the specified website) and a text input field with the example '例如：baidu.com' (For example: baidu.com).

At the bottom, there is a blue button labeled '高级搜索' (Advanced Search).

逻辑与，A空格 B
精确匹配，“AB”
逻辑或，A | B
逻辑非，A - B

实例2：查“阿尔茨海默病防治协会”的信息

精确匹配：固定的短语检索，用双引号
提高查准率

“阿尔茨海默病防治协会”

实例3：查阿尔茨海默症治疗仪相关的信息

阿尔茨海默症，俗称老年痴呆症
治疗仪 (阿尔茨海默病 | 老年痴呆症)
逻辑或

注意：广告信息！谨慎评估！



治疗仪 (阿尔茨海默症 | 老年痴呆症)



百度一下

实例4：查区块链、以太坊，但不涉及比特币的信息

区块链 以太坊 -(比特币)

逻辑非

搜索设置

高级搜索

搜索结果：

包含全部关键词 | 区块链 以太坊

包含完整关键词 |

包含任意关键词 |

不包括关键词 | 比特币

时间：限定要搜索的网页的时间是

全部时间

文档格式：搜索网页格式是

所有网页和文件

关键词位置：查询关键词位于

☒ 网页任何地方 ☐ 仅网页标题中 ☐ 仅URL中

站内搜索：限定要搜索指定的网站是

例如：baidu.com

高级搜索

字段检索 • 高级搜索

实例5：搜索清华大学网站上关于新冠疫苗的信息

site: 限定在某个特定的域或站点中进行检索

格式： 检索词 **site:** 域名

检索式： 新冠疫苗 site:tsinghua.edu.cn

很有用噢！



实例6：需要找关于碳中和的讲稿

filetype: 限定命中文件的类型

格式: **filetype:** 文件类型 检索词

检索式: 碳中和 filetype:ppt

常用: ppt, pdf, doc, xls,---

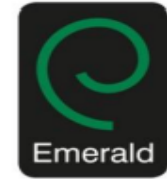
4. 学术搜索引擎

全面、高效

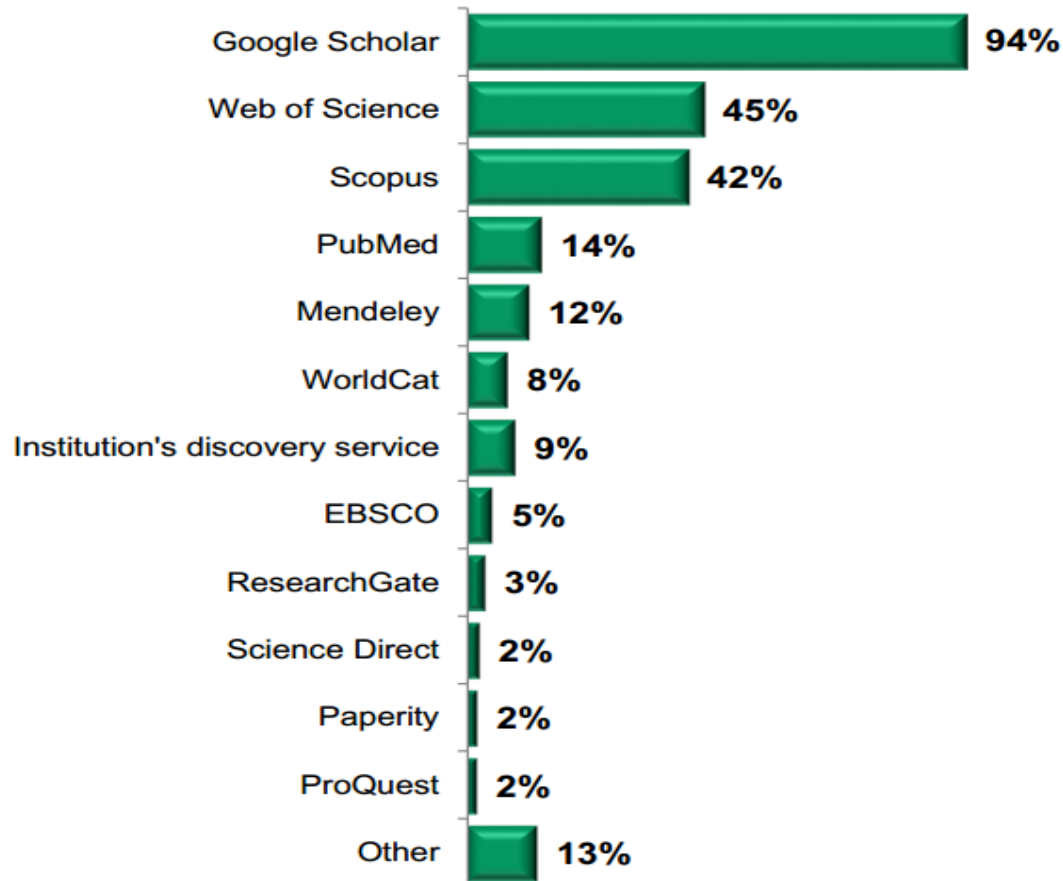


Discovery

Google Scholar is dominant as the key content search tool for over 90% of Emerald researchers



What tools do you use to search for literature/data?



- Almost every respondent used Google Scholar to search for scholarly content.
- Web of Science and Scopus lead a long tail of miscellaneous search tools and databases referred to by scholars.
- Whilst Google was the most frequently used tool by authors in all subject groups, authors in Medicine, Life and Physical Sciences, and Law were more likely to use WorldCat and PubMed.
- Librarians also reported higher levels of use of PubMed (48% of Librarians surveyed) and WorldCat (34%) than those in other roles.

Google Scholar 谷歌学术

我的图书馆 我的著作引用情况 快讯 统计指标 设置



☒ 搜索所有网页 ☐ 中文网页 ☐ 简体中文网页

站在巨人的肩膀上



学术搜索

学术镜像1: takes 0.31s. [现在访问](#)
学术镜像2: takes 0.30s. [现在访问](#)
学术镜像3: takes 0.26s. [现在访问](#)
学术镜像4: takes 0.66s. [现在访问](#)
学术镜像5: takes 0.75s. [现在访问](#)
学术镜像6: takes 0.91s. [现在访问](#)
学术镜像7: takes 0.22s. [现在访问](#)
学术镜像8: takes 2.20s. [现在访问](#)
美国官网(US): scholar.google.com
香港官网(HK): scholar.google.com.hk

网页搜索

网页镜像1: takes 0.90s. [现在访问](#)
网页镜像2: takes 1.37s. [现在访问](#)
网页镜像3: takes 0.54s. [现在访问](#)
网页镜像4: takes 1.59s. [现在访问](#)
网页镜像5: takes 1.24s. [现在访问](#)
网页镜像6: takes 1.47s. [现在访问](#)
网页镜像7: takes 0.73s. [现在访问](#)
网页镜像8: 
美国官网(US): www.google.com
香港官网(HK): www.google.com.hk

Google Scholar可以搜索什么？

Stand on the shoulders of giants.

Google Scholar provides a simple way to broadly search for scholarly literature. From one place, you can search across many disciplines and sources: **articles, theses, books, abstracts and court opinions, from academic publishers, professional societies, *online repositories*, universities and other web sites.** Google Scholar helps you find relevant work **across the world of scholarly research.**

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- 检索大量免费的学术文献：开放获取期刊、预印本存储库、机构库等，比如arXiv, SSRN, RePEC
- 同时也可检索商业资源：Nature、Science、Elsevier、SPRINGER等等，中文资源也有，三大中文数据库：知网，万方，维普的文献资源

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网页 图片 更多...

Google

nanocrystal

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找到 1000 条结果 (用时 0.03 秒)

小提示: 搜索中文(简体)结果, 可在 学术搜索设置 指定搜索语言

时间不限
2013以来
2012以来
2009以来
自定义范围...

按相关性排序
按日期排序

搜索所有网页
中文网页
简体中文网页

☒ 包括专利
☒ 包含引用

☒ 创建快讯

[Monodisperse FePt nanoparticles and ferromagnetic FePt nanocrystal superlattices](#)
S Sun, J Murray, D Weller, L Folks, A Moser - Science, 2000 - sciencemag.org
Abstract Synthesis of monodisperse iron-platinum (FePt) nanoparticles by reduction of platinum acetylacetonate and decomposition of iron pentacarbonyl in the presence of oleic acid and oleylamine stabilizers is reported. The FePt particle composition is readily ...
被引用次数: 4524 相关文章 所有 21 个版本 引用

[Organization of nanocrystal molecules' using DNA](#)
AP Alivisatos, KP Johnsson, X Peng, TE Wilson... - 1996 - nature.com
PATTERNING matter on the nanometre scale is an important objective of current materials chemistry and physics. It is driven by both the need to further miniaturize electronic components and the fact that at the nanometre scale, materials properties are strongly ...
被引用次数: 2125 相关文章 所有 12 个版本 引用 更多

[Colloidal nanocrystal shape and size control: the case of cobalt](#)
VF Punties, KM Krishnan, AP Alivisatos - Science, 2001 - sciencemag.org
Abstract We show that a relatively simple approach for controlling the colloidal synthesis of anisotropic cadmium selenide semiconductor nanorods can be extended to the size-controlled preparation of magnetic cobalt nanorods as well as spherically shaped ...
被引用次数: 1926 相关文章 所有 20 个版本 引用

[Optical gain and stimulated emission in nanocrystal quantum dots](#)
VI Klimov, AA Mikhailovsky, S Xu, A Malko... - Science, 2000 - sciencemag.org
Abstract The development of optical gain in chemically synthesized semiconductor nanoparticles (nanocrystal quantum dots) has been intensely studied as the first step toward nanocrystal quantum dot lasers. We examined the competing dynamical processes ...
被引用次数: 1654 相关文章 所有 17 个版本 引用

[引用] Cells Processed from Solution Gur, Ilan; Fromer, Neil A.; Geier, Michael L.; Alivisatos, A. Paul
ASAIN Solar - Science (Washington, DC, United States), 2005

geocities.ws 中的 [PDF]
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semi.ac.cn 中的 [PDF]
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百度学术 (<http://xueshu.baidu.com>)





高级搜索

包含全部检索词

包含精确检索词

多个检索词以逗号，分隔

包含至少一个检索词

多个检索词以逗号，分隔

不包含检索词

多个检索词以逗号，分隔

出现检索词的位置

文章任何位置 ▾

作者

请输入作者名字

机构

请输入机构名称

出版物

期刊 ▾ 请输入期刊名称

发表时间

年 - 年

语言检索范围

不限 ▾

搜索

开是

实例1： 获取全文

Simultaneous densitometric determination of artemisinin, artemisinic acid and arteannuin-B in *Artemisia annua* using reversed-phase thin layer chromatography. P Bhandari, AP Gupta, B Singh... - Journal of separation ..., 2005

分析：无论来自哪个期刊，哪个数据库，是免费或收费的，用百度搜索可以快速定位和获取

- ❖ 免费资源（开放获取资源）
- ❖ 有商业资源，但是有网站提供免费版本访问
- ❖ 有商业资源，本馆订购可访问

实例2：查某课题方面文章

例：检索Chinese medicine 用于covid-19治疗相关的英文文献

Baidu学术

搜索 covid-19 "chinese medicine" 高级搜索 订阅

时间 找到约329,000条相关结果 按相关性

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2019以来 (7.2万)
2018以来 (7.3万)

年 - 年 确认

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公共卫生与预... (1.3万)
基础医学 (7359)

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关键词

Traditional Chinese Medicine can improve patients with COVID-19 ? An updated review_2020_04_01

An updated review_2020_04_01Traditional Chinese Medicine can improve patients with COVID-19 ? An updated review_2020_04_01Andrea Valeri...

A Valeri - 被引量: 0 - 2020年

来源: ResearchGate

收藏 批量引用

Research Progress of Novel Coronavirus Pneumonia (COVID-19) from Natural Products of Traditional Chinese Medicine

Patients with novel coronavirus pneumonia (COVID-19) often show many appearances in "cold,heat,deficiency,solid,surface,interior,yin and Yang".Therefore...


ZY He , P Luo , X Gao , ... - 《World Notes on A... - 被引量: 0 - 2020年

来源: 知网

收藏 引用 批量引用

Traditional Chinese Medicine Plants Used in the Treatment of COVID-19 (Sars-cov 2 / Coronavirus-19) and Their Effects on the Cardio...

结果分析

 高级搜索 ▾ 订阅

时间

2020以来 (7.2万)

2019以来 (7.2万)

2018以来 (7.3万)

-

领域

临床医学 (2.0万)

公共卫生与预... (1.3万)

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A Valeri - 被引量: 0 - 2020年

来源: ResearchGate

Research Progress of Novel Coronavirus Pneumonia (COVID-19) from Natural Products of Traditional Chinese Medicine

Patients with novel coronavirus pneumonia (COVID-19) often show many appearances in "cold,heat,deficiency,solid,surface,interior,yin and Yang".Therefore...

ZY He , P Luo , X Gao , ... - 《World Notes on A... - 被引量: 0 - 2020年

来源: 知网

Traditional Chinese Medicine Plants Used in the Treatment of COVID-19 (Sars-cov 2 / Coronavirus-19) and Their Effects on the Cardio...

高级搜索 ▾

包含全部检索词

包含精确检索词

包含至少一个检索词

不包含检索词

出现检索词的位置

作者

机构

出版物

期刊 ▾

发表时间

-

语言检索范围



如何正确引用这篇文章？

The screenshot shows the Baidu Academic search interface. The search bar contains 'covid-19 "chinese medicine"'. The results page shows a list of articles. A popup window titled '引用' (Citation) is displayed over the first article, providing citation formats for GB/T 7714, MLA, and APA. The popup also includes a section for '导入链接' (Import Link) with options like BibTeX, EndNote, RefMan, NoteFirst, and NoteExpress.

Baidu 学术 高级搜索 订阅

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时间 2020以来 (7.2万) 2019以来 (7.2万) 2018以来 (7.3万) 年 - 年 确认

领域 临床医学 (2.0万) 公共卫生与预... (1.3万) 基础医学 (7359) +

核心 SCIE索引 (1.7万) SCI索引 (1.0万) SSCI索引 (3170) +

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An up...
? An up...
A Valer...
来源 :
心 收

引用 ×

复制并粘贴一种已设定好的引用格式，或利用其中一个链接导入到文献管理软件中。

GB/T 7714 Zheng-You H , Pu L , Xin G , et al. Research Progress of Novel Coronavirus Pneumonia (COVID-19) from Natural Products of Traditional Chinese Medicine[J]. World Notes on Antibiotics, 2020.

MLA Zheng-You, He , et al. "Research Progress of Novel Coronavirus Pneumonia (COVID-19) from Natural Products of Traditional Chinese Medicine." *World Notes on Antibiotics* (2020).

APA Zheng-You, H. , Pu, L. , Xin, G. , Yong, J. , Jian-Jun, B. , & Xiu-Qiang, T. , et al. (2020). Research progress of novel coronavirus pneumonia (covid-19) from natural products of traditional chinese medicine. *World Notes on Antibiotics*.

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Traditional Chinese Medicine Plants Used in the Treatment of COVID-19 (Sars-cov 2 / Coronavirus-19) and Their Effects on the Cardio...

优点

检索结果页面信息丰富：

排序方式：按被引量排序

学科领域：精炼到某一学科

热门期刊

活跃机构

微软：必应学术搜索

<http://cn.bing.com/academic>



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[papers by hsiaowuen hon at microsoft research asia](#) · [papers about latent semantic indexing by susan t dumais](#)

[Semantic Search](#) · [Data Mining](#)



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Publication - Article
Molecular Architecture of the SARS-CoV-2 Virus
[Cell](#), 183(3), 730-738.e13 - September 2020
<https://doi.org/10.1016/j.cell.2020.09.018>

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[Yong Chen](#) - Tsinghua University; School of Life Sciences, Tsinghua University, Beijing 100084, China; Beijing Advanced Innovation Center for Structural Biology & Frontier Research Center for Biological Structure, Beijing 100084, China.
[15 more](#)

Abstract
SARS-CoV-2 is an enveloped virus responsible for the COVID-19 pandemic. Despite recent advances in the structural elucidation of SARS-CoV-2 proteins, the detailed architecture of the intact virus remains to be unveiled. Here we report the molecular assembly of the authentic SARS-CoV-2 virus using cryoelectron tomography (cryo-ET) and subtomogram averaging (STA). Native structures of the S proteins in pre- and postfusion conformations were determined to average resolutions of 8.7-11 Å. Compositions of the N-linked glycans from the native spikes were analyzed by mass spectrometry, which revealed overall processing states of the native glycans highly similar to that of the recombinant glycoprotein glycans. The native conformation of the ribonucleoproteins (RNPs) and their higher-order assemblies were revealed. Overall, these characterizations revealed the architecture of the SARS-CoV-2 virus in exceptional detail and shed light on how the virus packs its ~30-kb-long single-
[More](#)

Acknowledgements
S.L. thanks Tsinghua University for providing a start-up fund; the Tsinghua University Branch of China National Center for Protein Sciences (Beijing) for the cryo-EM facility and computational facility support; and Dr. Fan Yang, Jie Wen, and Danyang Li for technical support. We thank Dr. Haiteng Deng and Chongchong Zhao in the Proteinomics Facility at the Technology Center for Protein Sciences, Tsinghua University, for protein MS analysis. We thank Tao Yang, Yakun Wang, and Anbao Jia at the cluster of Bio-Computing Platform (Tsinghua University Branch of China National Center for Protein Sciences Beijing) and Nvidia for providing computational facility support. We are in debt to Dr. Hongwei Wang, Dr. Nieng Yan, Dr. Xinquan Wang, Dr. Lingqi Zhang, Dr. Qiang Ding, and Dr. Xueming Li for critical advice. This work was supported in part by the Major Project of Zhejiang Provincial Science and Technology Department (2020C03123-1) and National Science and Technology Major Project for the Control and Prevention of Major Infectious Diseases in China (2018ZX10711001-1-1 and 2018ZX10711000001).
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111	Total citations
111	Recent citations
n/a	Field Citation Ratio
n/a	Relative Citation Ratio

Altmetric



News (13)
Blogs (2)
Twitter (917)
Facebook (5)
Reddit (1)
F1000 (1)
Mendeley (340)

新型学术评价：Altmetrics

补充计量指标: 新技术环境下除传统指标（论著数、引用量、影响因子等）外的使用、传播等，特别是社交媒体（Social media）**转发与评论**来评价学术成果的影响力

优点：论文级、更迅速、大众性，对传统计量的补充

越来越多的年轻科学家拥抱新媒体；科学普及和科技创新同等重要

弊端：

学科差异：与社会热点话题相关的研究容易获得高影响力...

不同网络平台的特征、可比性

数据质量难以保障

小结：学术搜索引擎

- 文献调研~~收录范围非常广，提高查全率，有时还有一些意外收获
- 获取文献~~快速定位全文

这些都是免费的、开放的，时刻能使用的！

5.科学评价与合理利用



百科知识：真 OR 假？

2014年4月7日，中央电视台新闻联播播出了这样一则新闻

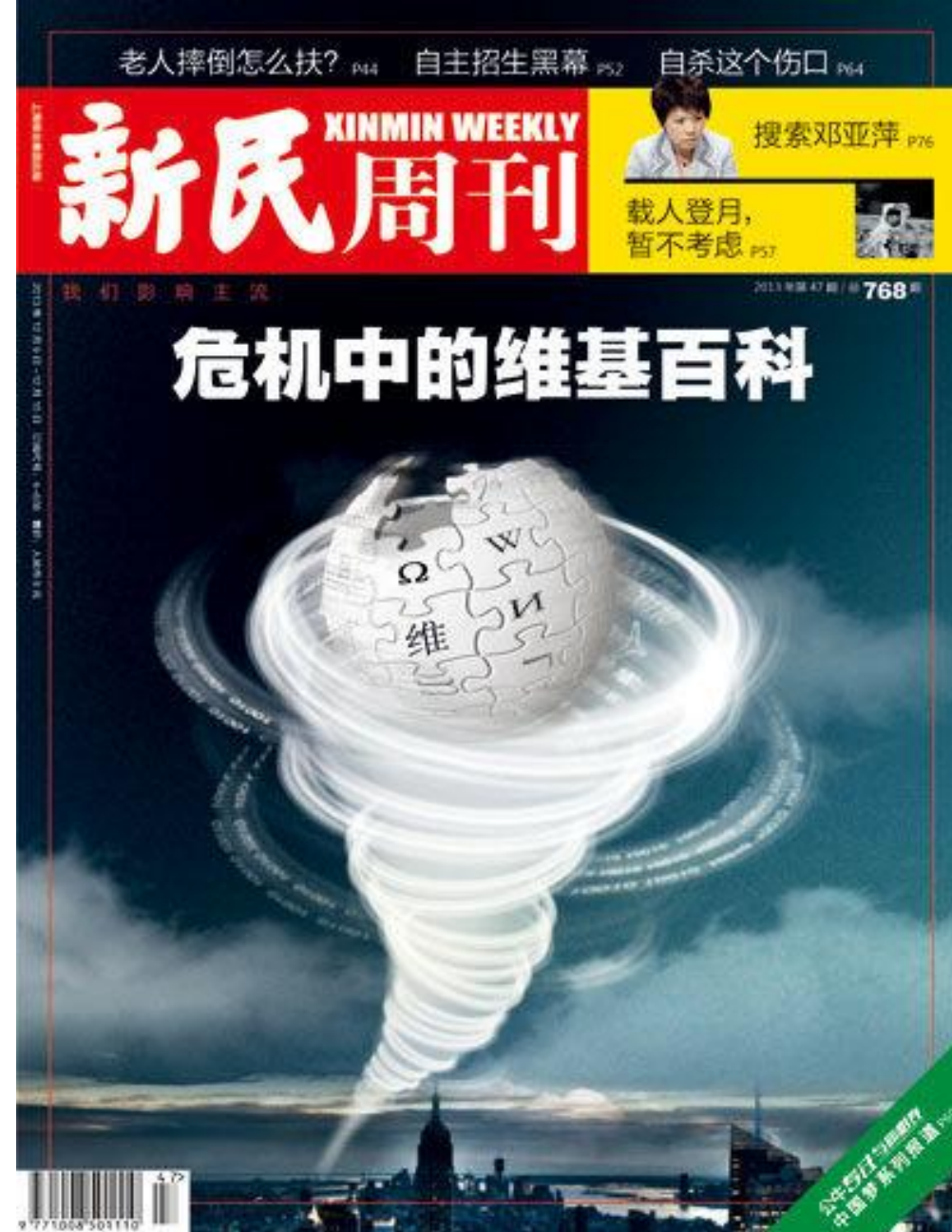
清华大学化工系大二学生王润佳惊讶地发现，百度百科词条中对PX的描述竟是“剧毒”。

原来，3月30日，广东茂名PX事件发生当天凌晨，有人悄然将百度百科词条中PX毒性由“低毒”改成“剧毒”。有网友多次对恶意篡改行为进行客观更正，但连续几次又被人改成“剧毒”。

此后，清华化工系学生近10人昼夜自发捍卫PX低毒属性这一科学常识，PX词条6天内被反复修改36次。4月4日，百度百科上“PX”词条最终被锁定在“低毒化合物”的准确描述上。



- 恶意编辑
- 虚假信息
- 错误率高



■ 网络资源的不足

- 质量良莠不齐
- 信息庞杂
- 稳定性差
- 注意鉴别选择
- 注意搜索效率
- 注意及时更新

■ 搜索引擎不是万能的

隐形资源，深层资源（invisible web, deep web）

——图书馆订购的丰富的学术资源，目前仍然有不少是搜索引擎不能搜索到的

- 搜索引擎的广告性：由于经济利益驱使，导致虚假信息

注意

除了搜索引擎、开放获取资源，还要充分利用图书馆订购的学术资源哦

使用搜索引擎时，必须注意对检索结果进行鉴别评估

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- 合理利用
- 学术道德
- 学术规范：注明出处，正确引用

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