

# Science



advance science, engineering, and innovation

# 目录

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- Science出版社
- Science系列期刊
- Science数据库介绍
- 使用Science数据库
- 个性化服务





24 DECEMBER  
Volume 374 |  
Issue 6575



17 DECEMBER  
Volume 374 |  
Issue 6574



10 DECEMBER  
Volume 374 |  
Issue 6573



3 DECEMBER  
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Issue 6572



26 NOVEMBER  
Volume 374 |  
Issue 6571



19 NOVEMBER  
Volume 374 |  
Issue 6570



10 NOVEMBER



1 NOVEMBER



23 OCTOBER



20 OCTOBER



15 OCTOBER



12 OCTOBER



Science出版社



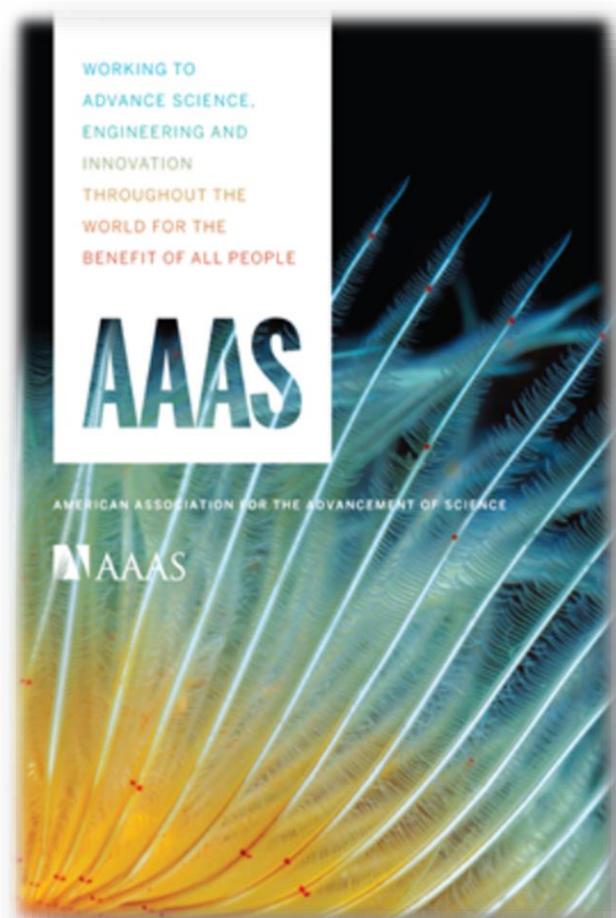
# AAAS

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AAAS：美国科学促进会创于1848年，位于美国华盛顿。是全球最大的科学协会，其代表多是科学界名人，美国政府许多科技政策的出台都事先经过该会的充分论证。

宗旨：促进科学，服务社会

265个分支机构，服务于1000多万科学家



# AAAS

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## AAAS Journal publisher and so much more

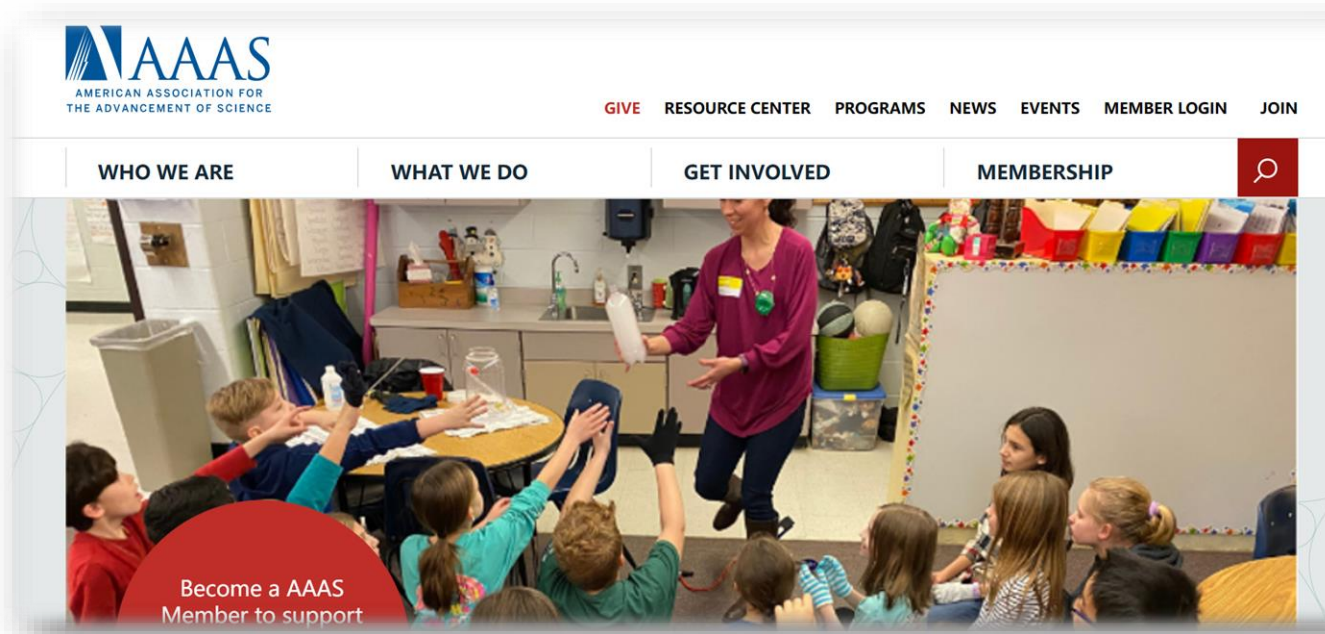
ENHANCING  
EDUCATION

GLOBAL  
OUTREACH

POLICY &  
ADVOCACY

PUBLIC  
ENGAGEMENT

SUPPORTING  
CAREERS

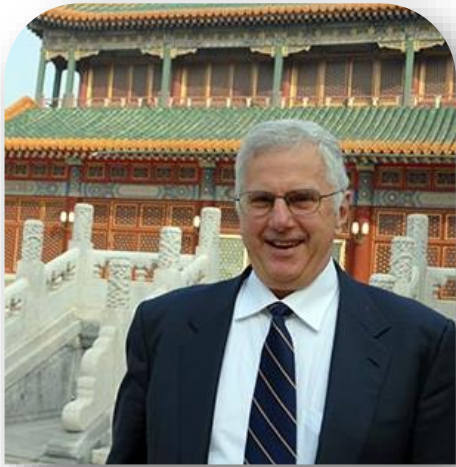


# Science

- 由Thomas Edison创办于1880年，1900年起成为美国科学促进会（AAAS）的官方刊物。
- 全世界发行量最大的同行评审综合科学刊物，各国科学家公认的世界一流科技学术期刊，被誉为“**诺贝尔奖获得者的摇篮**”。
- 涵盖多种学科
  - LIFE SCIENCES (50%)
  - PHYSICAL SCIENCES (35%)
  - OTHER SUBJECTS (15%, 社会, 政治, 人类, 宗教)



# Science和中国



2008年9月30日，中国国务院总理温家宝在中南海紫光阁会见了到访的美国《科学》杂志主编布鲁斯·艾伯茨。



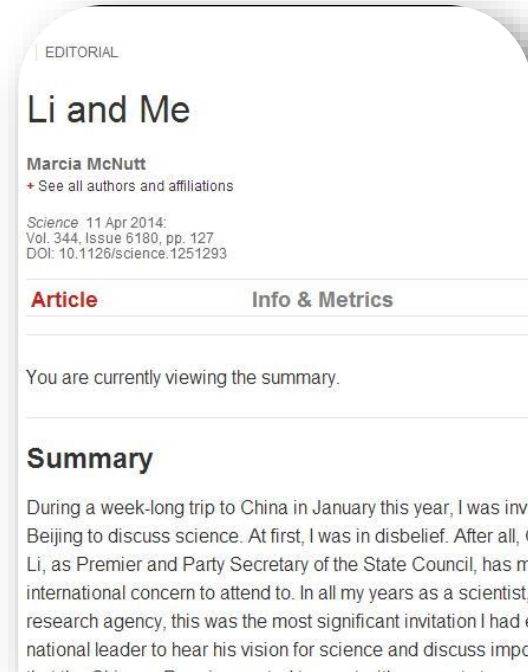
2008年10月31日出版的《科学》周刊刊登了一篇社论，即温总理的《科学与中国现代化》

***Science and China's Modernization***

<http://www.sciencemag.org/cgi/content/summary/322/5902/649>



# Science和中国



2014年1月13日下午，美国《科学》杂志主编麦克纳特女士拜访了国务院总理李克强

<http://news.sina.com.cn/c/2014-04-05/202229873367.shtml>

# Science和中国

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Editor in Chief: Jeremy Berg, PhD



原清华大学副校长: 施一公教授

[http://www.icsb.tsinghua.edu.cn/info/xwsj\\_sjzx/1762](http://www.icsb.tsinghua.edu.cn/info/xwsj_sjzx/1762)

2

Science系列期刊



NEWS CAREERS COMMENTARY JOURNALS | COVID-19

# science

Family of Journals

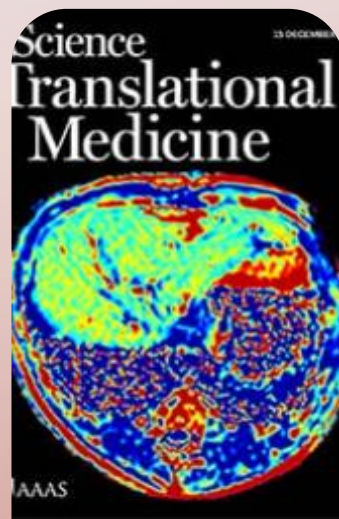
# 系列期刊



1880



1999



2009



2015



2016



2016



## 资源内容

- 《科学》 **周刊** (Science)
- 《科学转化医学》 (Science Translational Medicine)
- 《科学信号》 (Science Signaling)
- 《科学免疫学》 (Science Immunology)
- 《科学机器人》 (Science Robotics)
- 《科学进展》 (Science Advances)

## 涵盖学科

**综合期刊**， 生命科学， 自然科学， 其他学科。

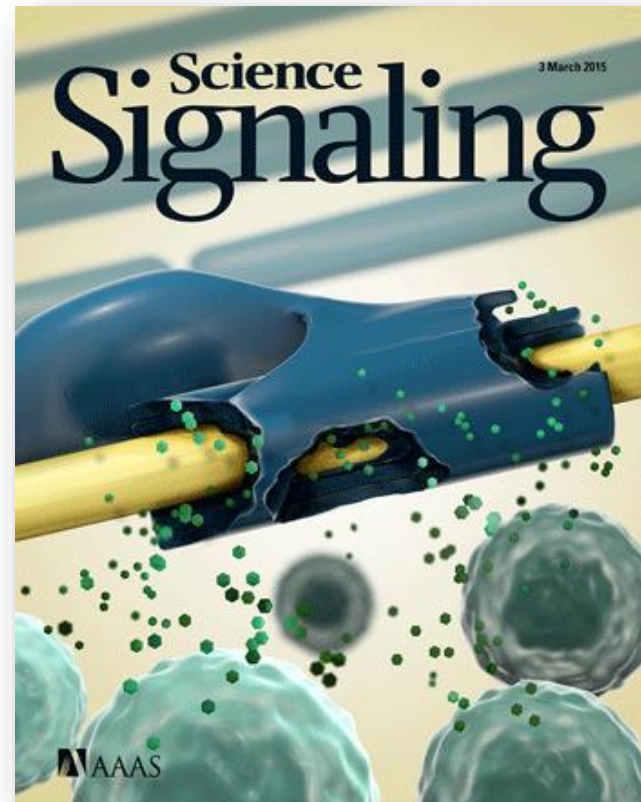
# 系列期刊-*Science* 《科学》

- 具有科学新闻杂志和学术期刊**双重特点**
  - 新闻&社论 (49%)
  - 专家评审的研究论文 (51%)
- 高品质、高影响力
  - 编辑团队由25位具有博士学位的编辑，及超过120名来自各学科领域的顶尖专家组成；
  - 来稿要经过**严格的同行评审**，稿件接收率不到7%；
  - **2020年影响因子47.728。**



# 系列期刊-Science Signaling 《科学信号》

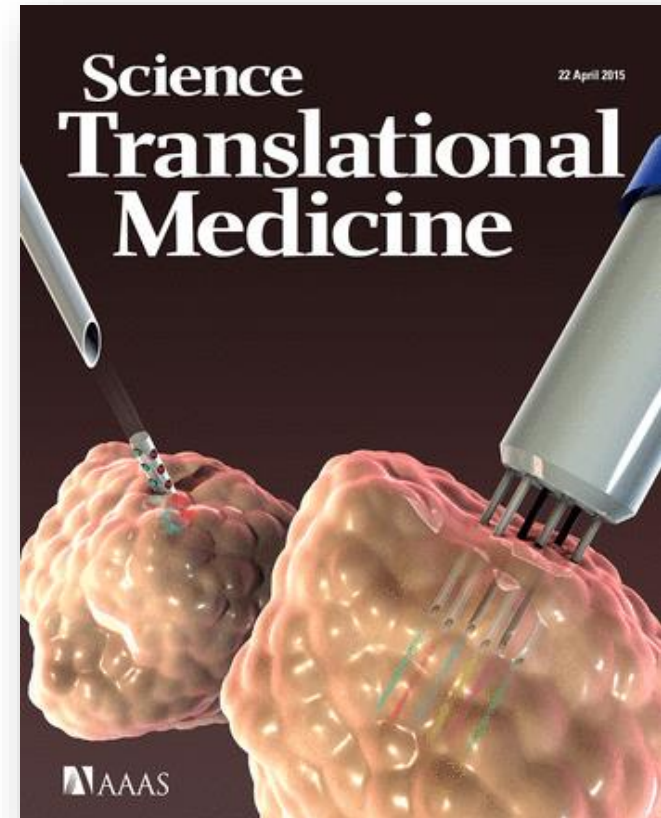
- 创刊于1999年，原Science STKE —《细胞信号转导》，是美国科学促进会（AAAS）旗下研究细胞信号转导的官方刊物。
- **研究范围：**生物化学、生物信息学、细胞生物学、分子生物学、微生物学、系统生物学、免疫学、神经科学、药理学、生理学。
- **期刊品质：**2020年影响因子8.192，在生物化学、分子生物学及细胞生物学领域名列前茅。



# 系列期刊-Science Translational Medicine

## 《科学转化医学》

- 2009年美国科学促进会（AAAS）推出的最新官方刊物，为所有相关学科的基础研究、转化研究和临床研究的专业人员提供思想沟通和交流的论坛。
- 宗旨：将基础科学和临床研究联系起来，以改善全球患者的护理。
- 研究范围：癌症学、基因组科学、分子生物学、神经科学、生物工程学、生物信息学，细胞学、心血管疾病、卫生政策等。
- 期刊品质：《科学转化医学》是在科学、工程和医学等交叉学科领先的线上周刊。2020年影响因子为17.956。





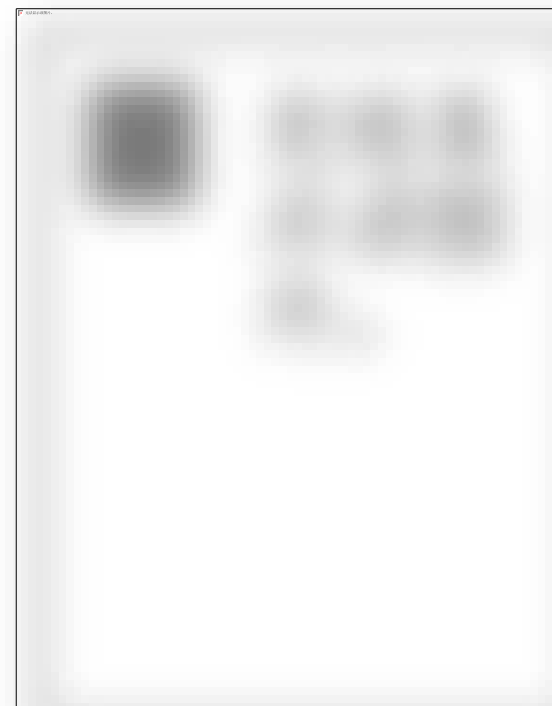
# 系列期刊-Science Advances 《科学进展》

- 创刊于2015年，美国科学促进会（AAAS）旗下**第一本纯OA期刊**
- 特点：**交叉学科**；快速出版
- 研究范围：计算机、工程、环境、生命、数学、物理、社会科学等
- 期刊品质：秉承严格的收录标准、审稿流程；  
一经出版便被SCI收录；  
**2020年影响因子为14.136。**



# 系列期刊-*Science Robotics* 《科学机器人》

- 创刊于2016年
- 特点：交叉学科，内容涵盖广泛
- 研究范围：基础科学，计算机科学，工程，医学，既包含了机器人学的传统法则也包含很多新兴的发展动态和趋势，例如先进材料和仿生设计，涉及微米/纳米机器人，陆地/海底机器人，人工智能，机器人生物材料等
- 期刊品质：2020年影响因子为23.748，涵盖机器人学的传统学科，以及先进材料和仿生设计等新兴趋势。



# 系列期刊 – *Science Immunology*

## 《科学免疫学》

- 创刊于2016年
- **使命：**通过展现在**免疫学**扩展领域内的革新与进步，来使读者加深对免疫系统的了解与理解
- **研究范围：****细胞和临床免疫学的交叉学科**，涉及大量关于人类的生物有机体的研究；所有文献经由同行评审，全部为以科学研究为基础的**原创性文献**，涉及免疫学相关的重要研究进展、新的医疗工具和新技术的应用等。
- **期刊品质：**2020年影响因子为17.7265，在免疫学中排名第七。



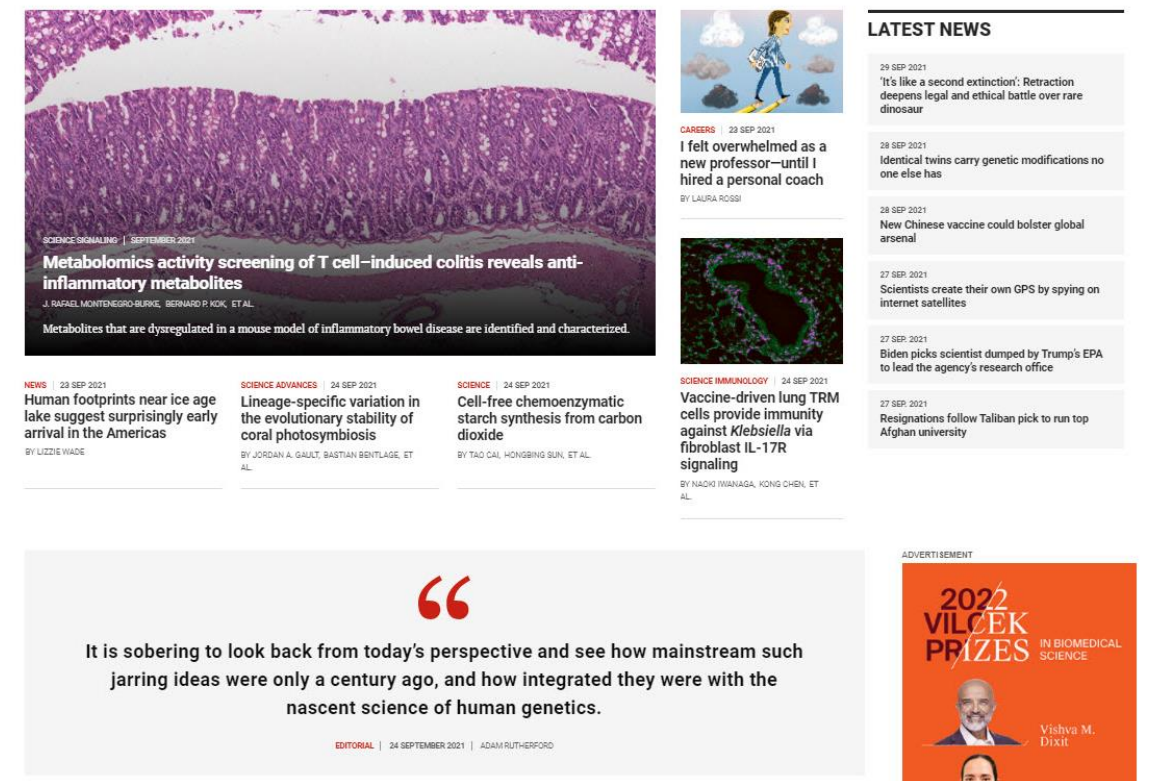
3

## Science数据库介绍



## 新平台—满足研究界和出版方不断变化的需求

- 内容视图更**集中**
- 功能模块显著**提升**：增强搜索、作者工具和以读者体验为中心的重新设计
- 内部**效率和灵活性的**变化



The screenshot shows the Science.org homepage layout. At the top, there's a navigation bar with 'NEWS', 'CAREERS', 'COMMENTARY', 'JOURNALS', and a 'COVID-19' button. The main content area features a large featured article on the left with a purple-tinted image of tissue, titled 'Metabolomics activity screening of T cell-induced colitis reveals anti-inflammatory metabolites'. Below it are three smaller article teasers: 'Human footprints near ice age lake suggest surprisingly early arrival in the Americas', 'Lineage-specific variation in the evolutionary stability of coral photosymbiosis', and 'Cell-free chemoenzymatic starch synthesis from carbon dioxide'. On the right, there's a 'LATEST NEWS' section with a list of recent articles, including 'It's like a second extinction: Retraction deepens legal and ethical battle over rare dinosaur' and 'Biden picks scientist dumped by Trump's EPA to lead the agency's research office'. At the bottom, there's an advertisement for '2022 VILCEK PRIZES IN BIOMEDICAL SCIENCE' featuring Vishva M. Dixit.

“

It is sobering to look back from today's perspective and see how mainstream such jarring ideas were only a century ago, and how integrated they were with the nascent science of human genetics.

EDITORIAL | 24 SEPTEMBER 2021 | ADAM RUTHERFORD

# SCIENCE.ORG

数据库各大板块入口：NEWS、CAREERS等



GET OUR E-ALERTS



SCIENCE



SCIENCE ADVANCES



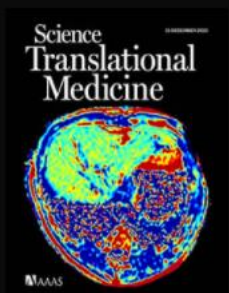
SCIENCE IMMUNOLOGY



SCIENCE ROBOTICS



SCIENCE SIGNALING



SCIENCE TRANSLATIONAL  
MEDICINE



SCIENCE PARTNER  
JOURNALS

- **Science News**

- *Science*新闻组每天都会为在线用户提供几篇关于科研成果或科学政策的最新消息；也会提供每周出版的*Science Magazine*中收录的新闻类文章。以简洁扼要的内容，使读者花费少量时间就能及时了解世界各地各科研领域的最新进展。

- **Science Careers**

- 为科学家们谋职、寻找基金支助项目或科研合作项目提供信息；提供与之相关的文献和议题，并设讨论区供科学家们交流经验。

- **Science First Release**

- 提供精选文章快速在线发表，可先于印刷媒体四到六周，自发布日起即为发表，并可以被引用。

# Science News

资源导航栏，选择感兴趣的新闻

HOME > NEWS

## NEWS



SCIENCEINSIDER | 14 SEP 2021  
**Can 'zero COVID' countries continue to keep the virus at bay once they reopen?**  
BY DENNIS NORMILE

SCIENCEINSIDER | 14 SEP 2021  
**Climate policies loom large in German election**  
BY GRETCHEN VOGEL



SCIENCEINSIDER | 14 SEP 2021  
**Schools have begun mass testing for COVID-19. But hurdles and uncertainties remain**  
BY JENNIFER COUZIN-FRANKEL

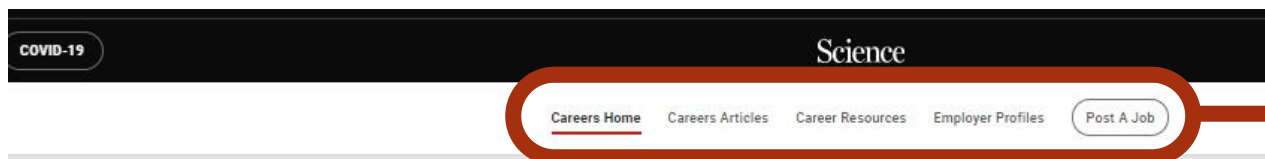
NEWS | 13 SEP 2021  
**Barnyard breakthrough: Researchers successfully potty train cows**  
BY DAVID GRIMM

SCIENCEINSIDER | 15 SEP 2021  
**Study of up to 40,000 people will probe mysteries of Long Covid**  
BY JOCELYN KAISER

NEWS | 14 SEP 2021  
**Antiaging advice from single-celled creatures: Build better proteins**  
BY KELLY SERVIC



# Science Careers



可以在上面发布  
或寻找科研工作

HOME > CAREERS

## SCIENCE CAREERS

SEARCH JOBS SEE LATEST JOBS >

Enter keywords, locations or job types to start searching for your new science career



WORKING LIFE | 2 SEP 2021

**When having a sick child threatened my research career, writing helped me through**

BY A. RANI ELWY

1 SEP 2021

**Are women researchers shortchanged on authorship? New study highlights gender disparities**

BY KATIE LANGIN



15 SEP 2021

**This lab asked depressed Ph.D. students what's hardest—and what parts of grad school help the...**

BY KATIE LANGIN



8 SEP 2021

**How performance reviews help early-career researchers—and their advisers**

BY ELISABETH PAIN

EXPERIMENTAL ERROR

30 AUG 2021

**University department administrators are freaking heroes**

BY ADAM RUBEN

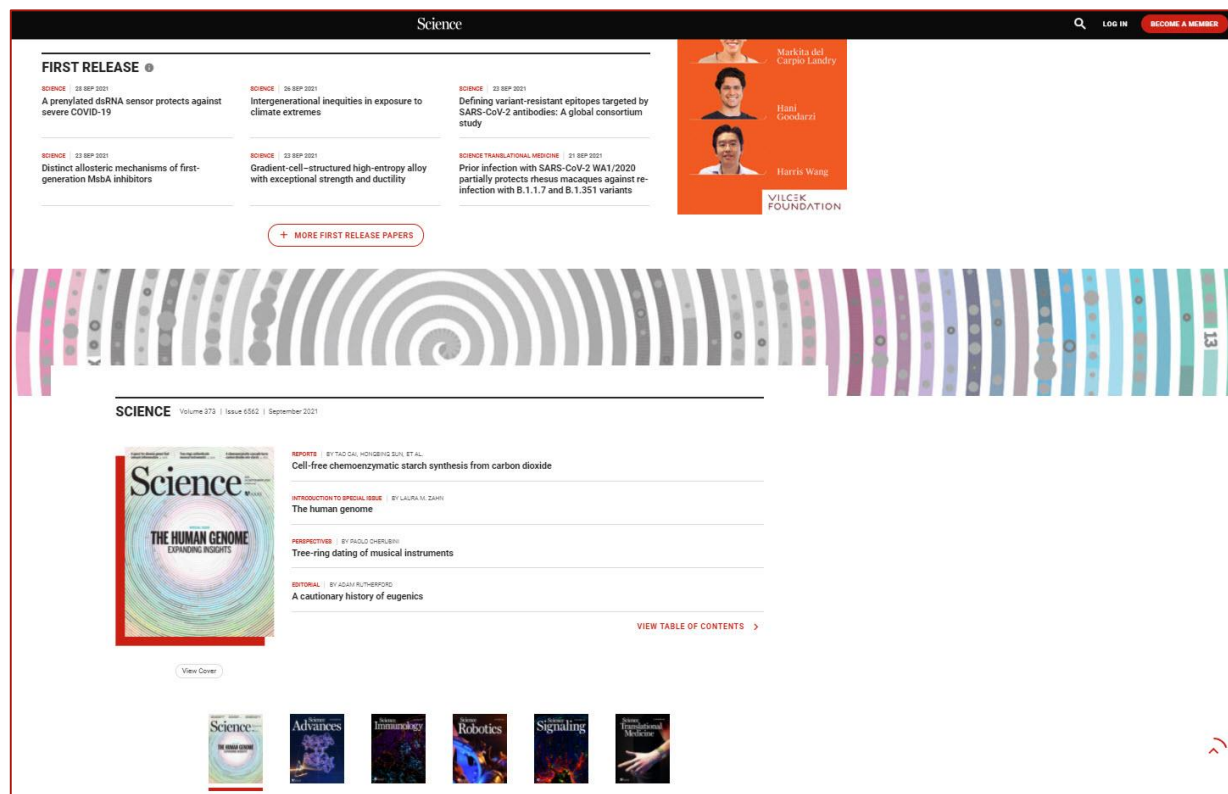
WORKING LIFE | 26 AUG 2021

**My sleep disorder complicates my career—but it doesn't mean I can't succeed**

BY ASHLEY M. BOURKE

MORE CAREERS >

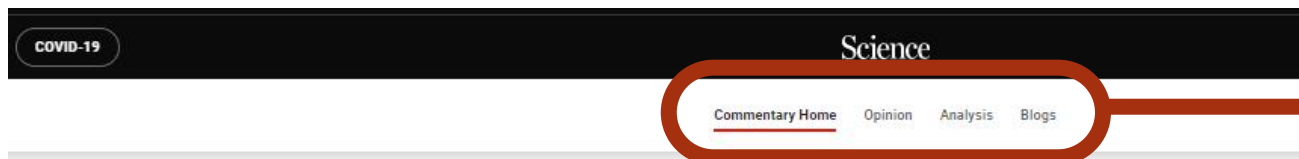
# First Release



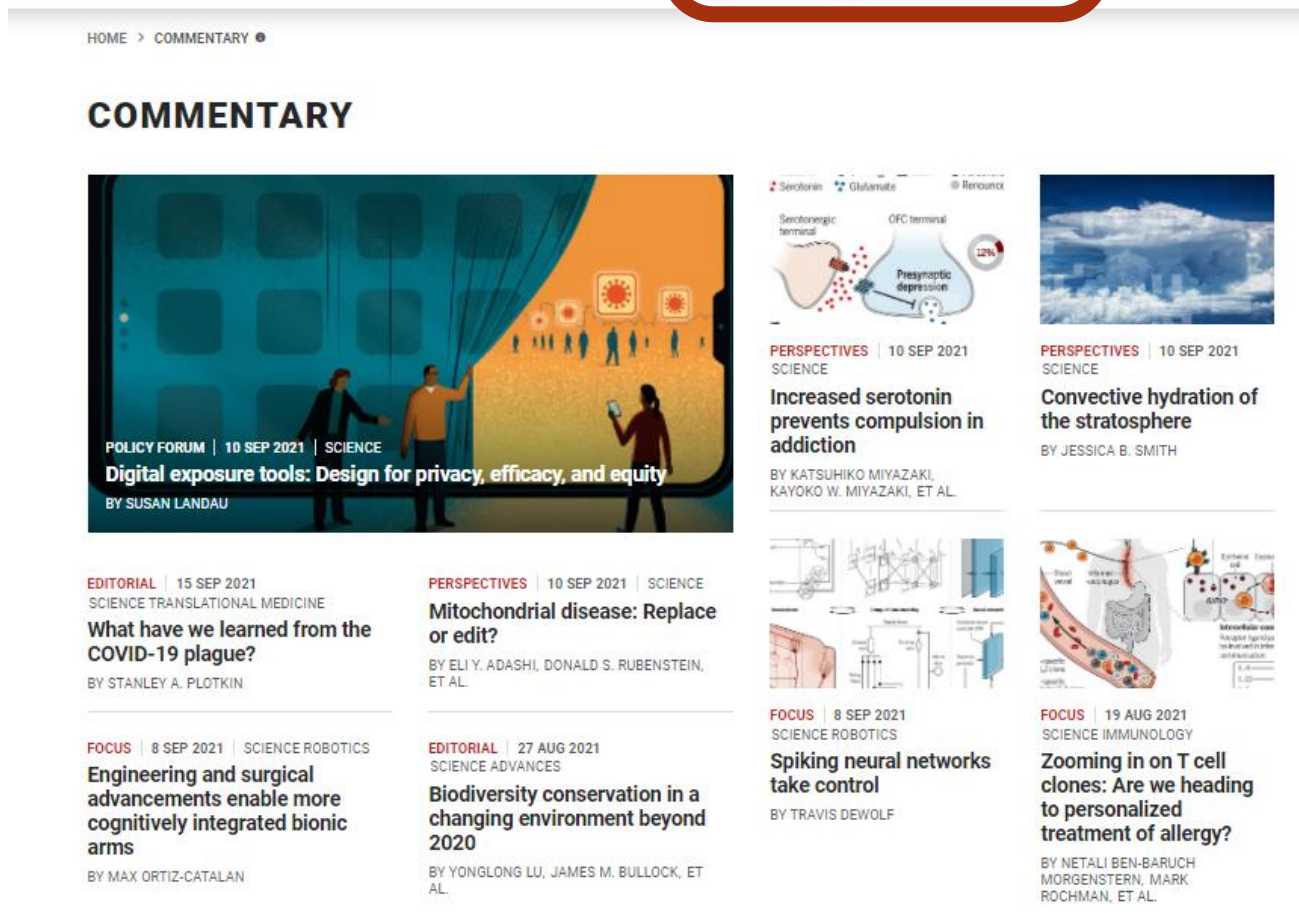
- 提供精选文章的快速在线发表。
- 文章可能会先于印刷媒体四到六周发布。
- 首次发表论文被视为在发布之日发表，并且自该日起即可被引用。

紧接着是期刊目录，只需单击期刊封面即可查看当前一期内容。

# Commentary




按观点，分析和博客分类的评论文章




# Featured Videos and Podcasts

COVID-19 Science LOG IN BECOME A MEMBER


### FEATURED VIDEOS



22 SEP 2021  
**Can a robot influence your decisions? It depends on how you view the machine**



**A new fleet of Moon landers will set sail next year, backed by private companies**



**Supercell storm clouds act like atmospheric mountains**

[VIEW MORE >](#)

### PODCASTS



23 SEP 2021 | BY SARAH CRESPI, LIZZIE WADE, ANGELA SAINI

**Earliest human footprints in North America, dating violins with tree rings, and the social life of DNA**



[Full Transcript](#)

[+ SUBSCRIBE](#)

16 SEP 2021 | BY SARAH CRESPI, DAVID GRIMM

**Potty training cows, and sardines swimming into an ecological trap**

9 SEP 2021 | BY SARAH CRESPI, PAUL VOOSSEN

**Legions of lunar landers, and why we make robots that look like people**

2 SEP 2021 | BY SARAH CRESPI, JON COHEN

**Pinpointing the origins of SARS-CoV-2, and making vortex beams of atoms**

26 AUG 2021 | BY SARAH CRESPI, RACHEL FRITTS, ANGELA SAINI

**New insights into endometriosis, predicting RNA folding, and the surprising career of the spirometer**

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**Space: Science & Technology**

Fission-powered spacecraft considered for high-power missions



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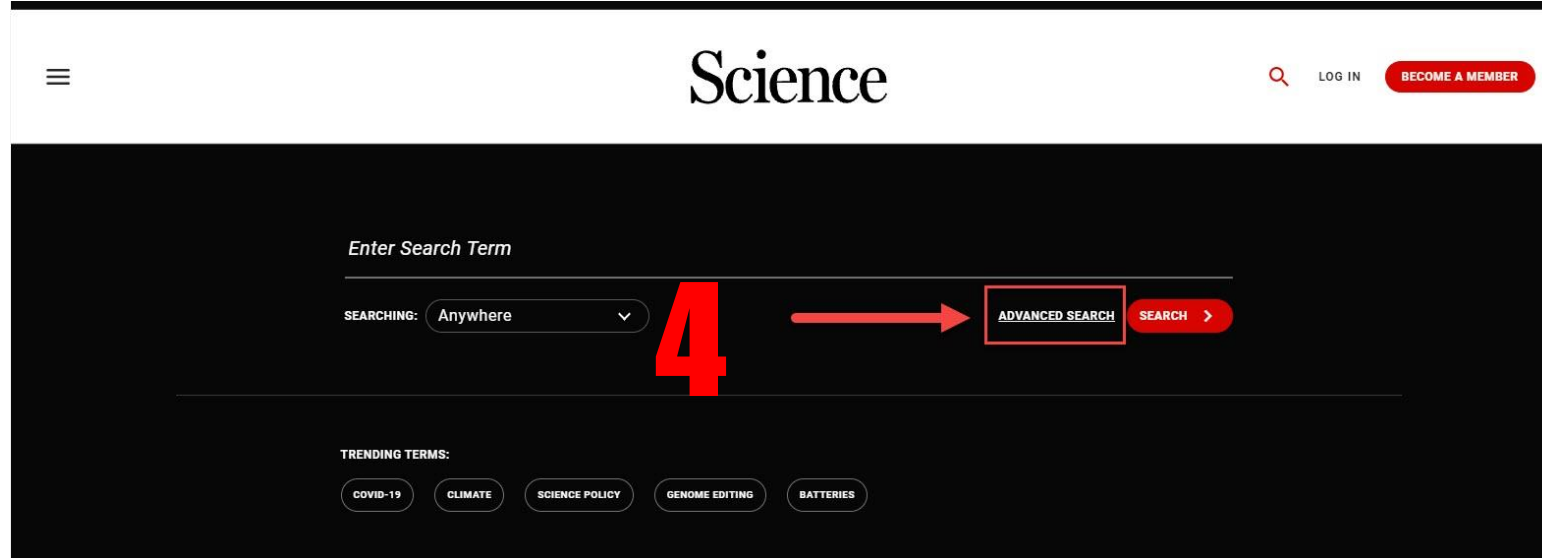
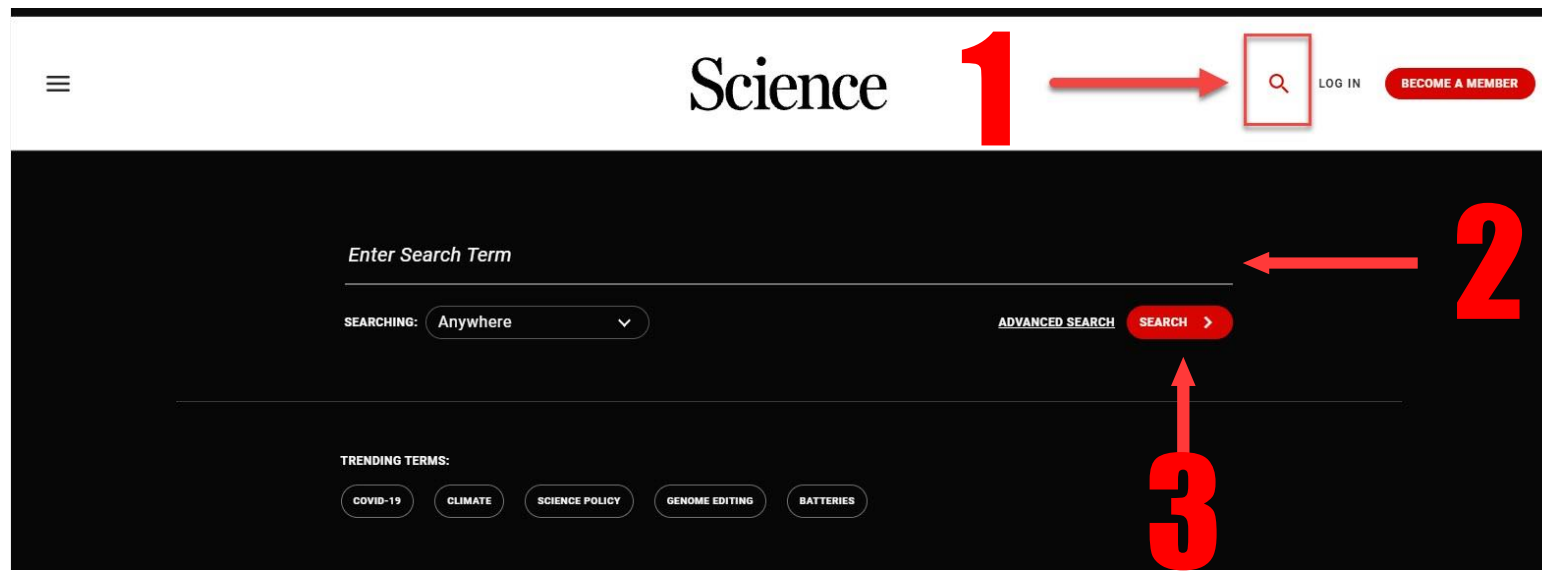




4

使用Science数据库

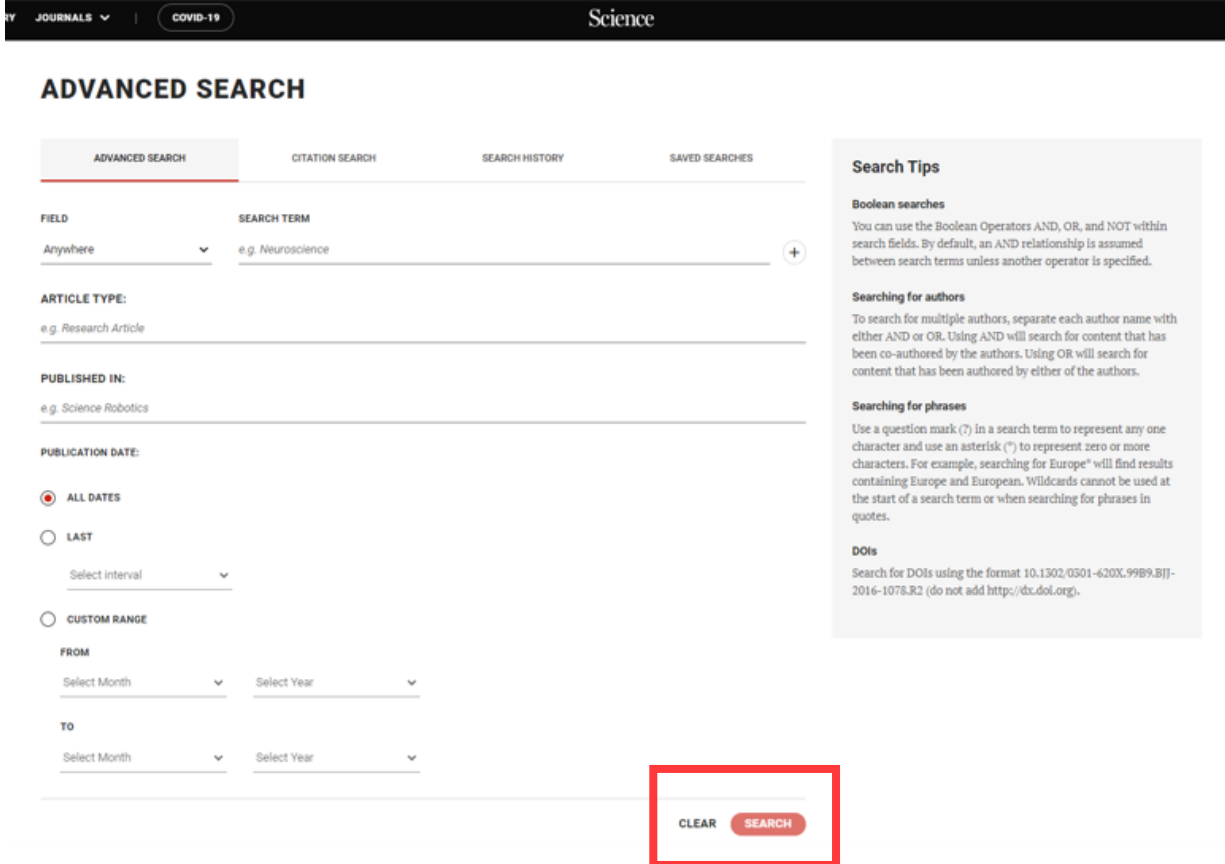
# Quick Search



# Advanced Search

## 更优化、更集中的搜索

- 字段: 标题、作者、关键字、摘要等
- 搜索词: (例如神经科学等)
- 文章类型: 研究和社论、新闻、职业和职业资源、观点和评论、书籍和媒体评论等。
- 选择子刊: 从我们的六种期刊中选择一种或多种 (*Science*、*Science Advances*、*Science Immunology*、*Science Signaling*、*Science Translational Medicine* 和 *Science Robotics*)。
- 发布日期: 选择所有日期或自定义范围。



ADVANCED SEARCH

FIELD: Anywhere | SEARCH TERM: e.g. Neuroscience

ARTICLE TYPE: e.g. Research Article

PUBLISHED IN: e.g. Science Robotics

PUBLICATION DATE:  ALL DATES |  LAST |  CUSTOM RANGE

FROM: Select Month | Select Year | TO: Select Month | Select Year

CLEAR SEARCH

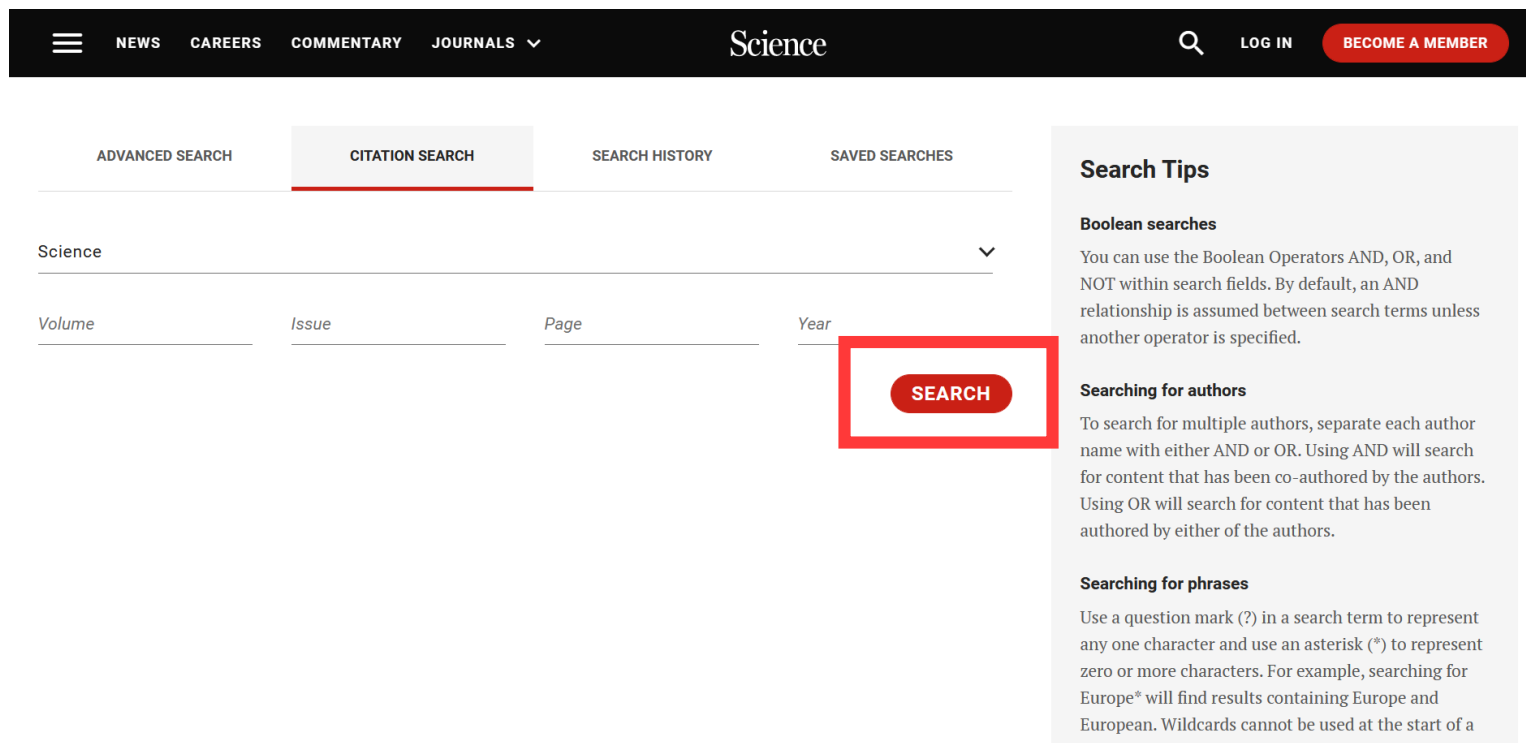
添加限制条件，单击右下角的红色 Search（搜索）按钮。

# Citation Search

## 引文搜索功能

- 期刊
- 卷
- 期
- 页码
- 年份

输入限制条件，单击红色 Search（搜索）按钮。



Science

Volume Issue Page Year

SEARCH

**Search Tips**

**Boolean searches**

You can use the Boolean Operators AND, OR, and NOT within search fields. By default, an AND relationship is assumed between search terms unless another operator is specified.

**Searching for authors**

To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

**Searching for phrases**

Use a question mark (?) in a search term to represent any one character and use an asterisk (\*) to represent zero or more characters. For example, searching for Europe\* will find results containing Europe and European. Wildcards cannot be used at the start of a search term.



# Search History



HOME > ADVANCED SEARCH

## ADVANCED SEARCH

ADVANCED SEARCH

CITATION SEARCH

SEARCH HISTORY

SAVED SEARCHES

SEARCH NAME	SEARCHED ON
<a href="#">All: covid (2019)</a>	2 SEP 2021
<a href="#">All: covid (2019)**</a>	2 SEP 2021

### Search Tips

#### Boolean searches

You can use the Boolean Operators AND, OR, and NOT within search fields. By default, an AND relationship is assumed between search terms unless another operator is specified.

#### Searching for authors

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#### Searching for phrases

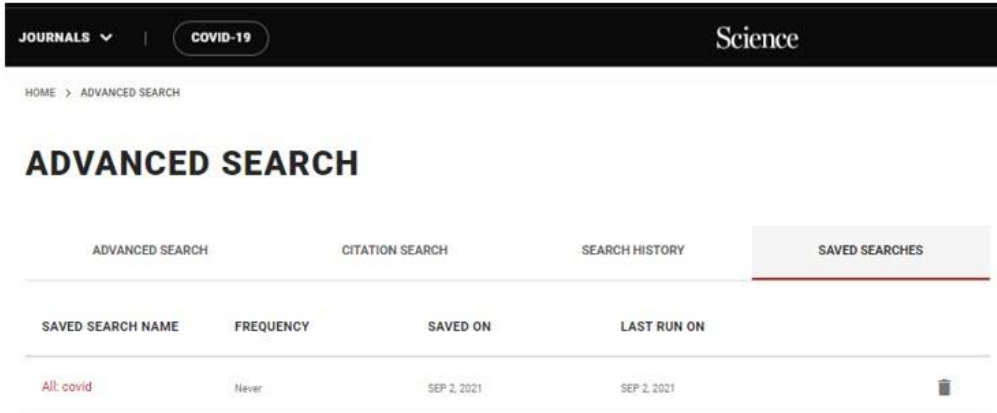
Use a question mark (?) in a search term to represent any one character and use an asterisk (\*) to represent zero or more characters. For example, searching for Europe\* will find results containing Europe and European. Wildcards cannot be used at the start of a search term or when searching for phrases in quotes.

#### DOIs

Search for DOIs using the format 10.1302/0301-620X.99B9.BJJ-2016-1078.R2 (do not add http://dx.doi.org).

# Saved Search

进入搜索结果页面，  
单击Save Search   
图标输入名称以保存  
结果，同时可以设置  
新消息提醒频率 。




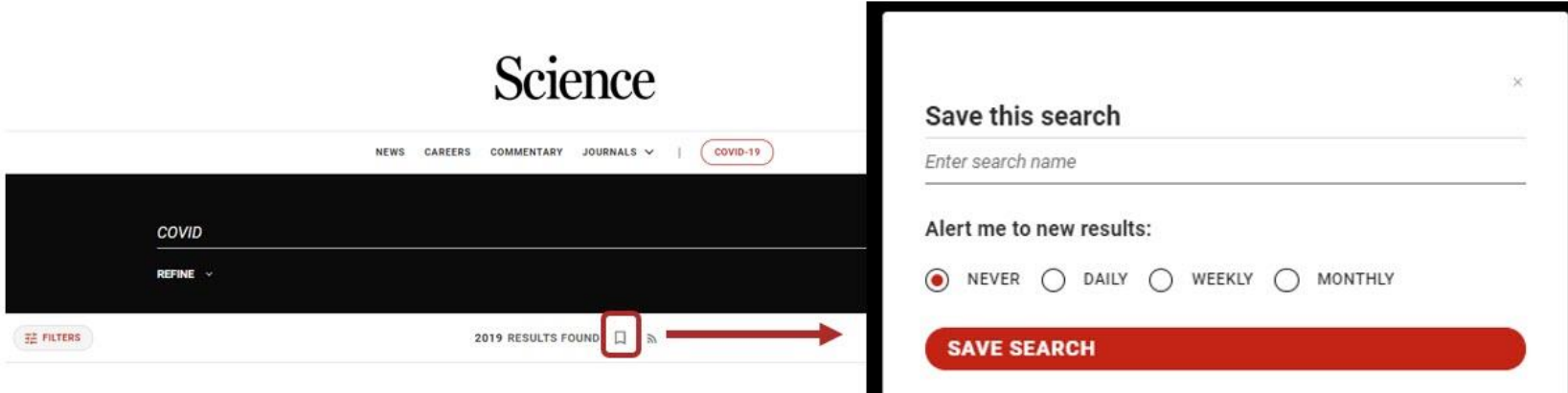
JOURNALS ▾ | COVID-19 Science

HOME > ADVANCED SEARCH

### ADVANCED SEARCH

ADVANCED SEARCH CITATION SEARCH SEARCH HISTORY **SAVED SEARCHES**

SAVED SEARCH NAME	FREQUENCY	SAVED ON	LAST RUN ON	
All: covid	Never	SEP 2, 2021	SEP 2, 2021	






Science

NEWS CAREERS COMMENTARY JOURNALS ▾ | COVID-19

COVID

REFINE ▾

 FILTERS 2019 RESULTS FOUND  

Save this search ×

Enter search name

Alert me to new results:

NEVER  DAILY  WEEKLY  MONTHLY

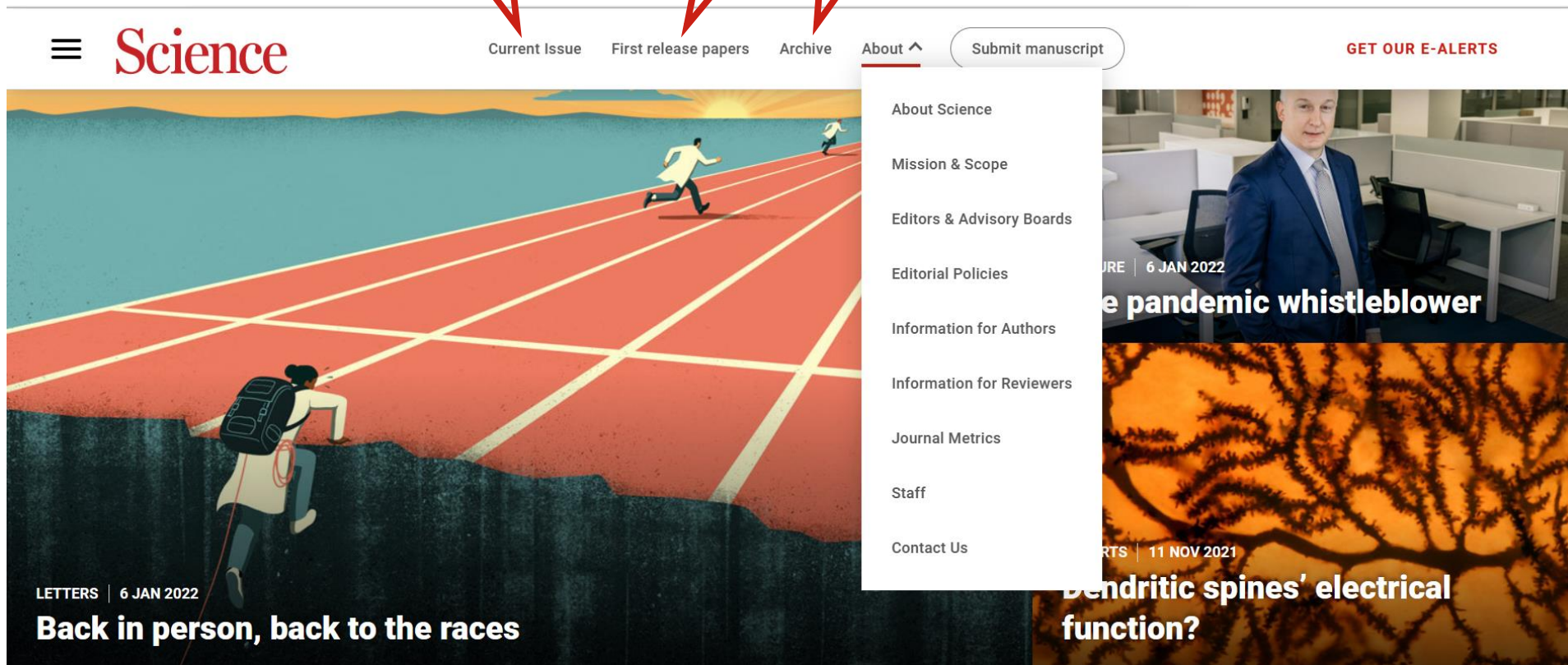
**SAVE SEARCH**

# 数据库

当前  
期刊

首次  
发表

往期  
期刊



The image shows the Science journal website interface. At the top left is the Science logo. Navigation links include 'Current Issue', 'First release papers', 'Archive', 'About', and 'Submit manuscript'. A 'GET OUR E-ALERTS' button is on the right. A large illustration depicts a person climbing a cliff and others running on a track. A dropdown menu is open under 'About', listing: 'About Science', 'Mission & Scope', 'Editors & Advisory Boards', 'Editorial Policies', 'Information for Authors', 'Information for Reviewers', 'Journal Metrics', 'Staff', and 'Contact Us'. Two article teasers are visible: 'Back in person, back to the races' (LETTERS | 6 JAN 2022) and 'Dendritic spines' electrical function?' (ARTS | 11 NOV 2021).

A到Z的顺序，  
排列热点话题

# 数据库

Science

Current Issue

First release papers

**Archive**

About

Submit manuscript

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RESEARCH ARTICLE | T CELLS



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## Infant T cells are developmentally adapted for robust lung immune responses through enhanced T cell receptor signaling

PUSPA THAPA , REBECCA S. GUYER, ALEXANDER Y. YANG, CHRISTOPHER A. PARKS , TODD M. BRUSKO , MAIGAN BRUSKO , THOMAS J. CONNORS , AND DONNA L. FARBER  [Authors Info & Affiliations](#)

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### Connection of the youth

Infants have less developed immune systems than adults but can still respond to a plethora of infections and in some cases better than adults. To better understand how this occurs with respect to T cell immunity, Thapa *et al.* used a co-adoptive transfer model of infant and adult mouse CD4<sup>+</sup> T cells into mice that were subsequently infected with influenza. Infant CD4<sup>+</sup> T cells were more able to get to the lungs and divided more than adult cells after infection. This correlated to increased sensitivity of infant CD4<sup>+</sup> T cells to TCR activation due to enhanced immune synapse formation and subsequent downstream signaling. Thus, during influenza infection, infant CD4<sup>+</sup> T cells are more sensitive to TCR stimuli than adult CD4<sup>+</sup> T cells.




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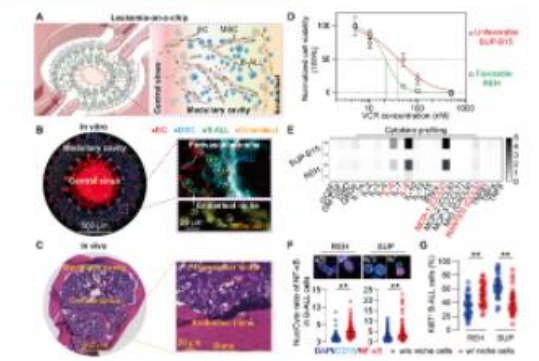
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**FIGURES**



**Fig. 1 Modeling the leukemic BM niche in a leukemia-on-a-chip platform.** (A) Schematic demonstrating the design of leukemia-on-a-chip that consists of three functional regions. (B) Whole scan of the resultant leukemic BM niche system, where the enlarged area shows the colocalization of murine B-ALL cells within the perivascular niche. The bottom insert shows colocalization in the endosteal niche. (C) Hematoxylin and eosin (H&E) staining image of the in vivo murine leukemic BM niche, with the enlarged area showing the colocalization of B-ALL cells within the perivascular and endosteal niches. (D) The chemoresistance was compared between the engineered human BM niches of *ETV6-RUNX1*<sup>+</sup> REH and *Ph*<sup>+</sup> SUP-B15 B-ALL. Each drug concentration had three or more experimental replicates. (E) The cytokine profiles from two B-ALL blasts with and without niche cells were quantified using membrane-based enzyme-linked immunosorbent assay (ELISA) analysis. MCP-1, monocyte chemoattractant protein-1; MIG, monokine induced by gamma interferon. (F) Quantification of nuclear (Nuc)/cytoplasmic (Cyto) ratio of NF-κB in REH and SUP B-ALL within their respective niche models. The ratios for REH and SUP were manually measured from three experimental replicates ( $n > 150$ ). (G) Percentage of Ki67<sup>+</sup> B-ALL cells, corresponding to (F). Data were collected from three experimental replicates. Unpaired t test (\*\* $P < 0.01$ , Mann-Whitney test). G-CSF, granulocyte colony-stimulating factor; GM-CSF, granulocyte-macrophage colony-stimulating factor; GRO,

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RESEARCH ARTICLE | T CELLS



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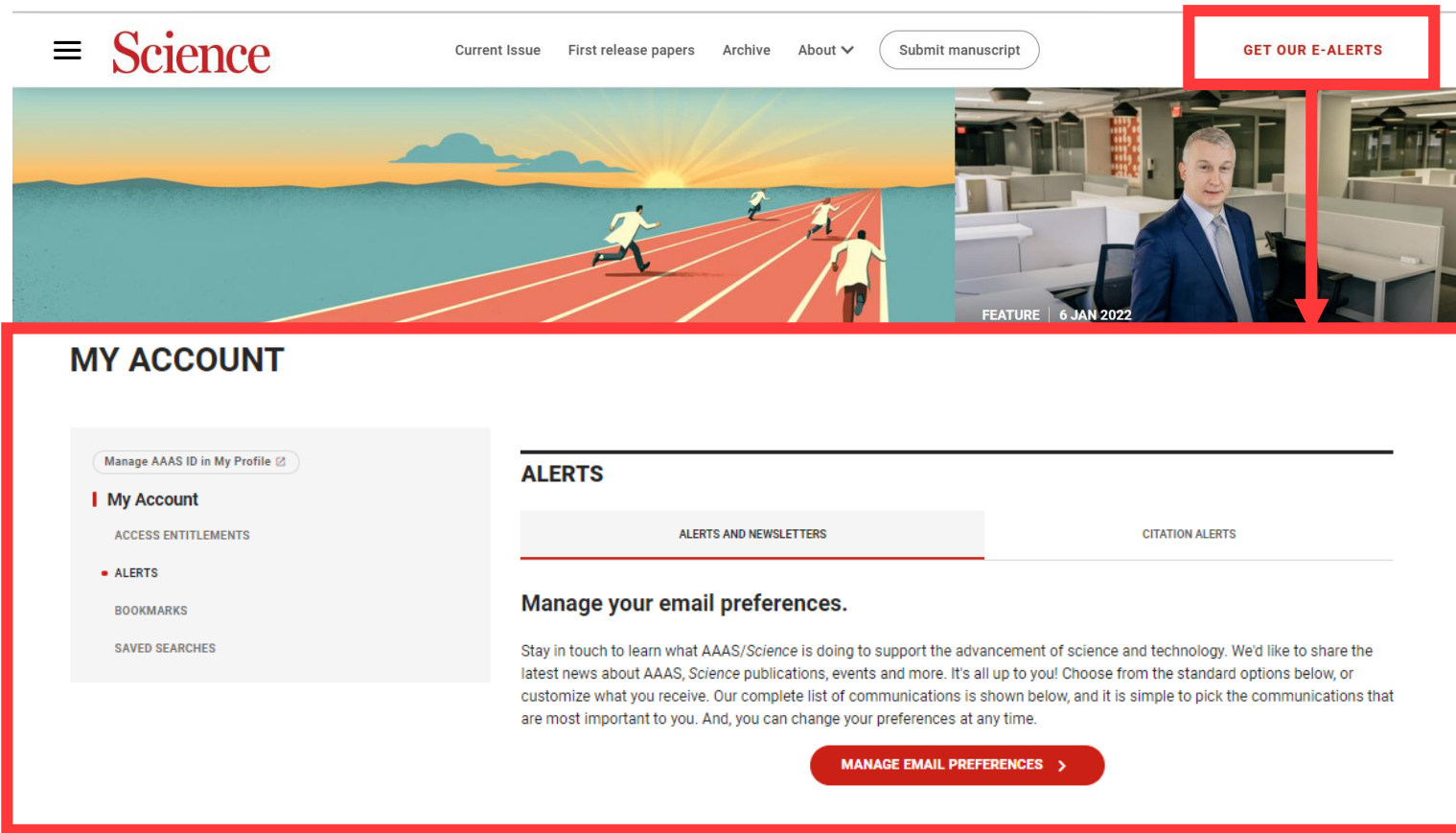
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