

# ACS Publications 数据库使用指南



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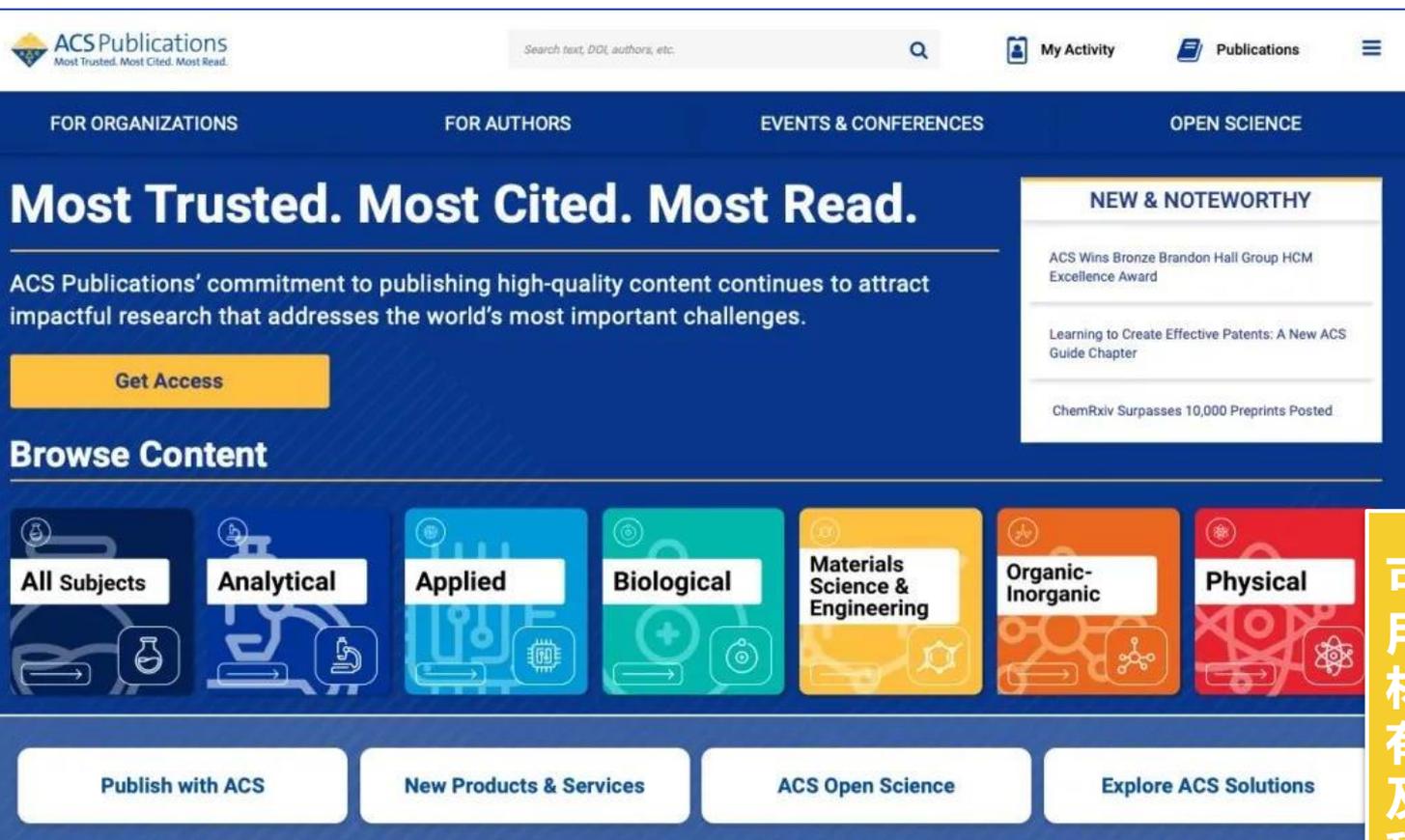
## 目录

- 1 平台功能一览
- 2 ACS资源介绍
- 3 开放获取政策
- 4 其他可用资源

# 平台功能一览

## ■ 2021年10月数据库首页改版

为了在功能上让出版物和各项作者服务（如开放科学平台、在线会议平台等）更容易被发现和检索，ACS对数据库首页进行了全面改版；但是读者们最常使用的期刊主页没有做任何变动。



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可按分析化学、应用化学、生物化学、材料科学和工程、有机和无机化学以及物理化学六大学科分类浏览出版物。

## ■ 2021年10月数据库首页改版

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鼠标悬置于期刊标题即可了解其关注的研究方向。

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FOR AUTHORS

EVENTS &amp; CONFERENCES



Materials Science &amp; Engineering

Filter by Letter: A B C E I J L M N O P

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Q X

**A**
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[ACS ES&T Water](#)
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[ACS Materials Au](#)
[ACS Materials Letters](#)
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[Bioconjugate Chemistry](#)

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**C**
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[The Journal of Physical Chemistry Letters](#)
[Journal of the American Chemical Society](#)
**L**

## ■ 2021年10月数据库首页改版

为了在功能上让出版物和各项作者服务（如开放科学平台、在线会议平台等）更容易被发现和检索，ACS对数据库首页进行了全面改版；但是读者们最常使用的期刊主页没有做任何变动。

点击数据库首页“Publish with ACS”可直接进入ACS Publishing Center，再点击右上角菜单栏一次性get写作指导、发文政策和投稿平台（ACS Paragon Plus）入口。具体操作请见短视频指南：  
<https://www.bilibili.com/video/BV1QS4y1s7Eo>

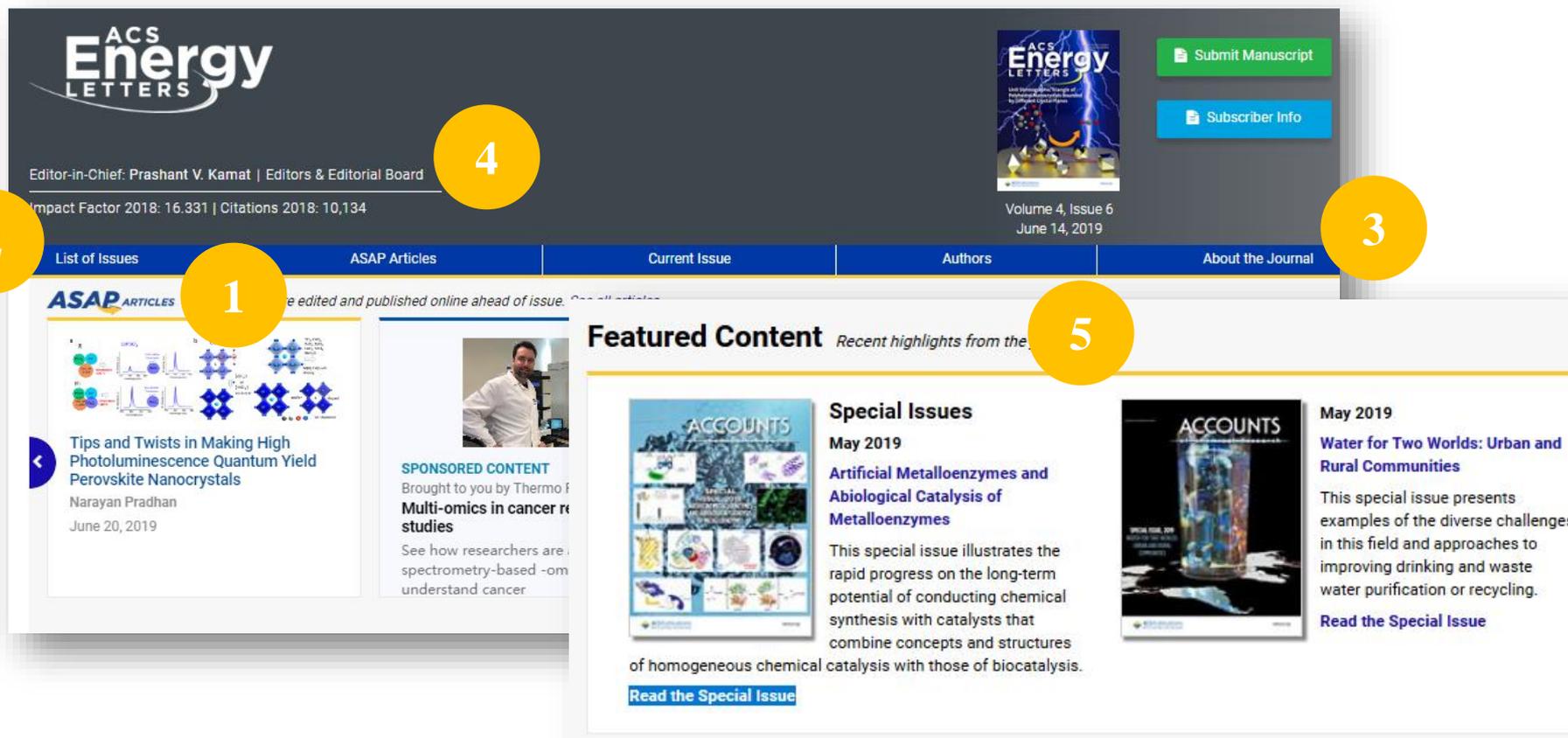
## ■ 数据库内部特色功能

1. 各期刊主页的导航栏简洁明了，方便用户查看提前上线的文章 (ASAP)、历年卷期、期刊基本信息和编辑团队。
2. 各期刊主页列出特刊 (Virtual Issue/Special Issue) 或各类专栏 (包括编辑的话、展望、新闻等) 入口，用户可一次性查看推荐文章和期刊动态。
3. 可在期刊/电子图书的目录页预览摘要文字和插图。
4. 直观的全文页面：在网页版全文中，文章的被访问、转发/收藏和引用次数一目了然，插图、参考文献列表和 Supporting Information 统一归入侧栏。
5. 移动设备自适应：用移动设备打开数据库，网页自动适应，无需安装APP。

## ■ 数据库内部特色功能

期刊主页：

- ① 提前上线的文章 (ASAP) | ② 历年卷期 | ③ 期刊基本信息和收录范围
- ④ 编辑团队 | ⑤ 各类专栏和特刊 (及其征稿信息)



The screenshot shows the ACS Energy Letters journal homepage. The header includes the journal logo, Editor-in-Chief Prashant V. Kamat, and the Impact Factor (16.331) and Citations (10,134) for 2018. A navigation bar contains links for List of Issues, ASAP Articles, Current Issue, Authors, and About the Journal. The main content area features an ASAP Articles section with a featured article on Perovskite Nanocrystals, a Sponsored Content section on Multi-omics in cancer studies, and a Featured Content section for the May 2019 Special Issue on Artificial Metalloenzymes and Abiological Catalysis of Metalloenzymes. A 'Submit Manuscript' button is visible in the top right corner.

**1** ASAP ARTICLES

**2** List of Issues

**3** Submit Manuscript

**4** Editor-in-Chief: Prashant V. Kamat | Editors & Editorial Board

**5** Featured Content

Volume 4, Issue 6  
June 14, 2019

Subscriber Info

Recent highlights from the

May 2019  
**Water for Two Worlds: Urban and Rural Communities**

This special issue presents examples of the diverse challenges in this field and approaches to improving drinking and waste water purification or recycling.

[Read the Special Issue](#)

**Artificial Metalloenzymes and Abiological Catalysis of Metalloenzymes**

This special issue illustrates the rapid progress on the long-term potential of conducting chemical synthesis with catalysts that combine concepts and structures of homogeneous chemical catalysis with those of biocatalysis.

[Read the Special Issue](#)

Multi-omics in cancer studies

Brought to you by ThermoFisher

See how researchers are using spectrometry-based -omics to understand cancer

Tips and Twists in Making High Photoluminescence Quantum Yield Perovskite Nanocrystals

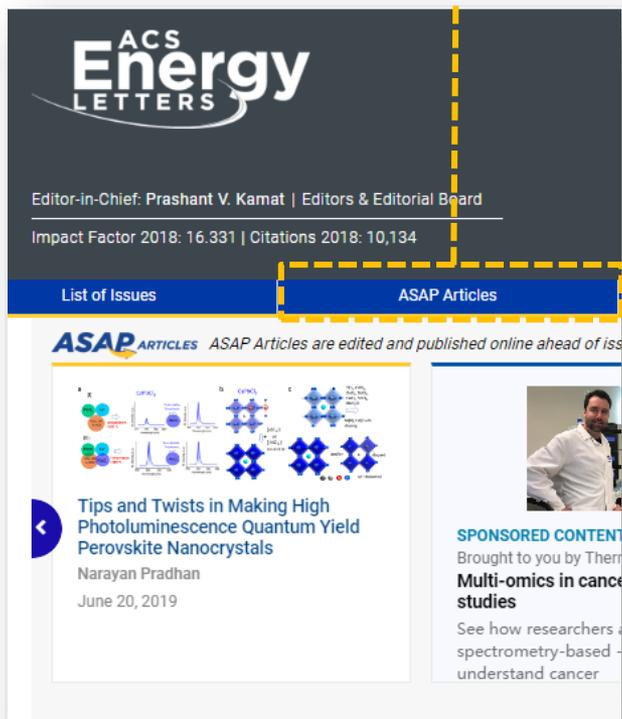
Narayan Pradhan  
June 20, 2019

## ■ 数据库内部特色功能

\* ASAP和JAMs文章现仅开放给订购用户

- **ASAP** (待刊文章)

- 已经过**同行评审**和**作者修改**
- 技术编排和作者最终确认后立刻上线
- 尚无卷期页，**但可通过DOI号引用**



The screenshot displays the ACS Energy Letters website interface. At the top, the logo for ACS Energy Letters is visible, along with the Editor-in-Chief's name (Prashant V. Kamat) and the journal's Impact Factor (16.331) and Citations (10,134) for 2018. Below this, there are two navigation tabs: "List of Issues" and "ASAP Articles", with the latter being highlighted. The main content area features a header for "ASAP ARTICLES" with the subtext "ASAP Articles are edited and published online ahead of iss". Below this, there are two article preview cards. The first card is titled "Tips and Twists in Making High Photoluminescence Quantum Yield Perovskite Nanocrystals" by Narayan Pradhan, dated June 20, 2019, and includes a thumbnail image of a perovskite nanocrystal structure. The second card is labeled "SPONSORED CONTENT" and is titled "Multi-omics in cancer studies", with a subtext "Brought to you by ThermoFisher". It includes a small portrait of a man and a brief description: "See how researchers use mass spectrometry-based methods to understand cancer".

## ■ 数据库内部特色功能

可在期刊/电子图书的目录页预览：

① 摘要 | ② 插图

**WATER FOR TWO WORLDS: URBAN AND RURAL COMMUNITIES**

### Going Viral: Emerging Opportunities for Phage-Based Bacterial Control in Water Treatment and Reuse

Jacques Mathieu, Pingfeng Yu, Pengxiao Zuo, Marcio L. B. Da Silva, and Pedro J. J. Alvarez\*

*Accounts of Chemical Research* 2019, 52, 4, 849-857 (Article)  
Publication Date (Web): March 29, 2019

Abstract Full text PDF

ABSTRACT **1**

---

### Separation and Analysis of Microplastics and Nanoplastics in Complex Environmental Samples

Brian Nguyen, Dominique Claveau-Mallet, Laura M. Hernandez, Elvis Genbo Xu, Jeffrey M. Farner, and Nathalie Tufenkji\*

*Accounts of Chemical Research* 2019, 52, 4, 858-866 (Article)  
Publication Date (Web): March 29, 2019

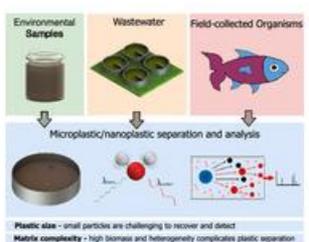
Abstract Full text PDF

ABSTRACT

个性设置, 点我看看



**2**



Environmental Samples Wastewater Field-collected Organisms

Microplastic/nanoplastic separation and analysis

Plastic size - small particles are challenging to recover and detect  
Matrix complexity - high biomass and heterogeneity complicates plastic separation.

直观的全文页面：

在网页版全文中，① 文章的被访问、转发/收藏和引用次数一目了然

② 插图、参考文献列表和 Supporting Information统一归入侧栏。

RETURN TO ISSUE | < PREV ARTICLE NEXT >

## Cannabidiol Enhances the Passage of Lipid Nanocapsules Through the Blood-Brain Barrier Both in Vitro and in Vivo

Juan Aparicio-Blanco, Ignacio A. Romero, David K. Male, Karla Slovic, María García-García and An...

**1**

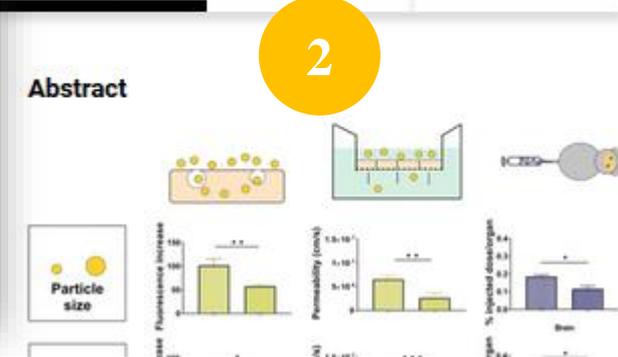
Article Views	Altmetric	Citations
698	252	-

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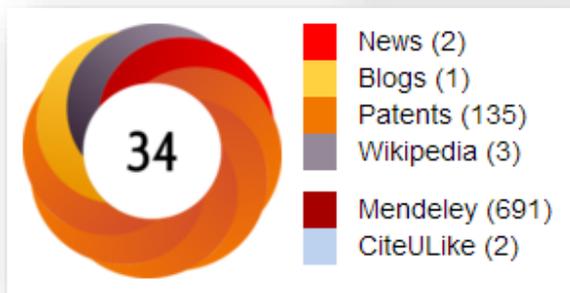
Cite This: *Mol. Pharmaceutics* 2019, 16, 5, 1999-2010  
 Publication Date: March 13, 2019  
<https://doi.org/10.1021/acs.molpharmaceut.8b01344>  
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**2**

Abstract



中间这个数字标明了文章见诸新闻媒体或社交网络的次数、被其他论文或专利引用的次数以及被Mendeley等工具收藏的次数。



## ■ 其他特色功能

1. 期刊主页还有哪些功能?
2. 全文页面还有哪些功能?
3. 如何开启高级检索并收藏检索式?
4. 远程访问



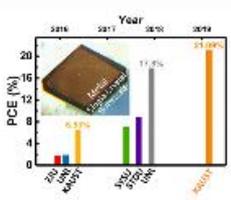
# 1. 期刊主页还有哪些功能？

查看热门文章：

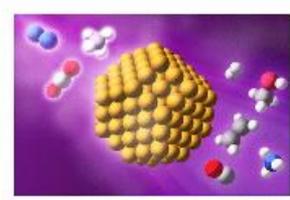
每种期刊主页的中部都有**Most Read**板块，代表了该刊在单位时间内吸引访问量（也即全文下载量）最多的文章；点击[See all articles](#)查看30天或12个月的统计范围。

## Most Read

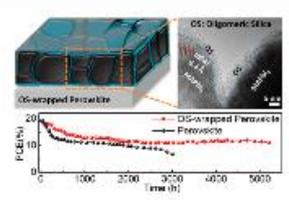
Rankings are updated daily for previous 30 days (below) and previous 12 months. [See all articles.](#)



**Single-Crystal MAPbI<sub>3</sub> Perovskite ...**  
Zhaolai Chen, ... and Osman M. Bakr\*  
May 7, 2019



**Catalysis Enabled by Plasma ...**  
Prateek Mehta, ... and William F. Schneider\*  
April 5, 2019



**Oligomeric Silica-Wrapped ...**  
Yang Bai, ... and Jinsong Huang\*  
May 7, 2019

● ● ● ● ● ● ● SEE MORE

# 1. 期刊主页还有哪些功能？

按学科浏览：

在ACS期刊主页，还有学科筛选栏，可选择学科大类、细分及与之相关的研究主题。例如学科大类选择“材料科学”，细分选择“材料性质”，点击最右的 *See All* 即可查看某刊中所有关于材料性质的文章。

## Browse by Subject Select a subject area to discover related terms and applicable articles.

### All Subject Areas

- Inorganic chemistry ▶
- Physical chemistry ▶
- Materials science ▶**
- Chemical engineering and industrial chemistry ▶
- Energy ▶

### Materials science

- Materials ▶
- Nanomaterials ▶
- Material properties ▶**
- Materials processing ▶
- Impurities (44) ▼

[See All \(1481\)](#)

### Material properties

- Electrical conductivity (240)
- Crystal structure (53)
- Thickness (40)
- Deformation (8)
- Flexibility (8) ▼

[See All \(332\)](#)

## 2. 全文页面还有哪些功能？

向下浏览页面时检索栏永远悬浮在上端

2

ACS Infectious Diseases

Large-Scale Chemical-Genetic Strategy Enables the Design of Antimicrobial Combination Chemotherapy in *Mycobacteria*

1

同一期内前后翻页

which is resistance to a compound... results in a combination whose resistance barrier is higher than two noninteracting compounds.

Previously, we reported a sequential screening strategy, Primary Screening Chemistry and Targets (PROSPECT), which generated chemical genetic interaction profiles (CGIPs) that characterized the fitness of 150 multiplexed, genetically barcoded hypomorph mutants (strains depleted of individual essential gene products) of *Mtb* H37Rv in response to ~50 000 compounds (Figure 1A). (3) PROSPECT quantifies the fitness changes of genetically barcoded hypomorph strains on compound treatment; the vector of fitness changes, measured as log(fold-change) of the abundance of barcodes of a particular hypomorph after treatment with a compound of interest relative to a vehicle control, is known as a CGIP (Figure 1A). Addressing the need for MOA diversity in tackling antimicrobial resistance, PROSPECT can be used to prioritize compounds from primary phenotypic screening data based on their putative MOA, instead of simply their potency. We illustrated PROSPECT's strengths in the discovery of BRD-8000, an uncompetitive inhibitor of a new target, EfpA (Rv2846c), an essential efflux pump in *Mtb*. Though BRD-8000 itself lacked potent activity against wild-type *Mtb* (minimal inhibitory concentration, MIC  $\geq$  50  $\mu$ M), chemical optimization yielded BRD-8000.3, a narrow-spectrum, bactericidal antimycobacterial agent with good wild-type activity (*Mtb* MIC = 800 nM, Figure 1B) (3)

侧栏查看辅助信息(supporting information)和实验/报告的原始数据(primary data)

3

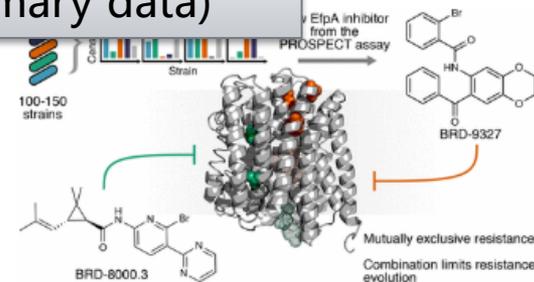


Figure 1

4

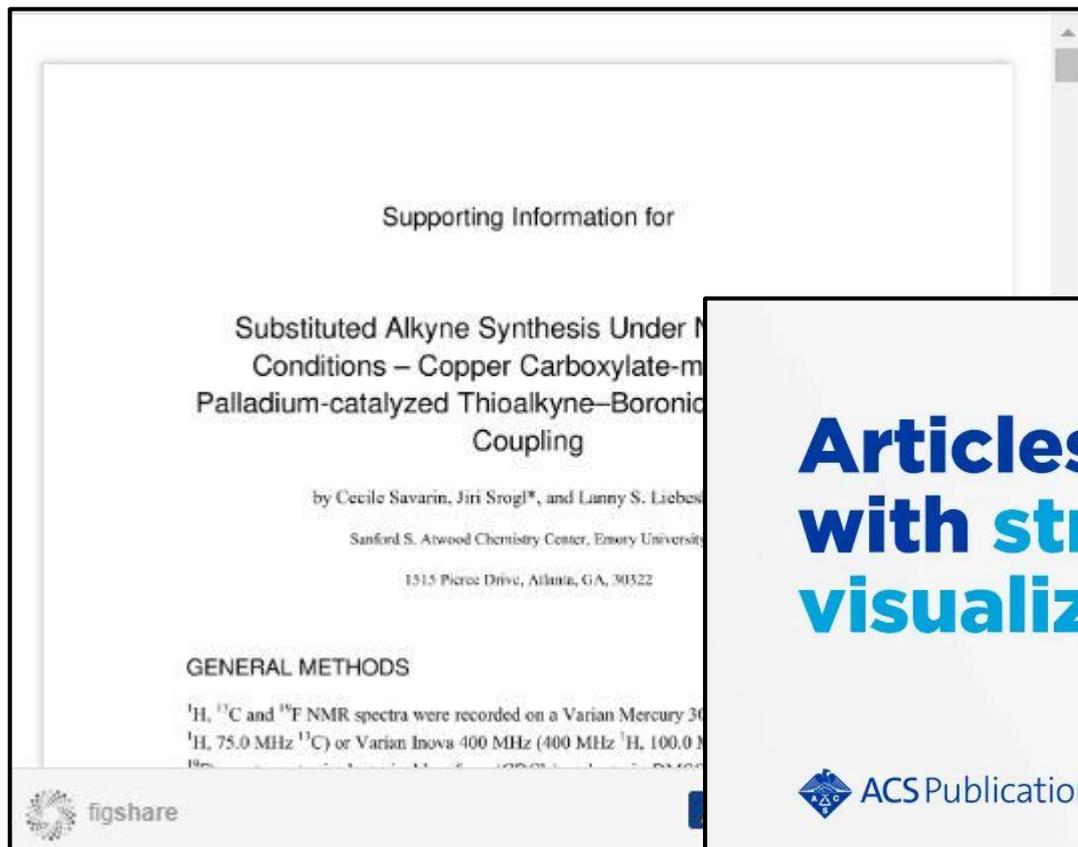
推荐文章：看过这篇的读者还看了其他哪些文章？

Recommended Articles

\* **Supporting Information**是什么？——文章的帮助信息，为编辑、同行评审和读者提供精确和完整的实验步骤和图文信息。它可以是分子结构图、实验参数、实验数据结果，分析图谱等，投稿时需撰写并另外上传。

\* 部分Supporting Information呈现在figshare内嵌窗口，点击下方的Download按钮即可下载。

\* 2023年起，部分期刊的SI将收录三维可视化内容。



Supporting Information for

Substituted Alkyne Synthesis Under Mild Conditions – Copper Carboxylate-mediated Palladium-catalyzed Thioalkyne–Boronic Acid Cross-Coupling

by Cecile Savarin, Jiri Srogl<sup>✉</sup>, and Lunny S. Liebman

Sanford S. Atwood Chemistry Center, Emory University  
 1515 Pierce Drive, Atlanta, GA, 30322

GENERAL METHODS

<sup>1</sup>H, <sup>13</sup>C and <sup>19</sup>F NMR spectra were recorded on a Varian Mercury 300 (400 MHz <sup>1</sup>H, 75.0 MHz <sup>13</sup>C) or Varian Inova 400 MHz (400 MHz <sup>1</sup>H, 100.0 MHz <sup>19</sup>F) spectrometers. All chemical shifts are reported in ppm downfield from TMS (0 ppm) or CDCl<sub>3</sub> (77.0 ppm).

figshare



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\* ACS LiveSlides是什么？——高度概括性的讲解视频，其画面是关于文章的简要PPT、音频来自作者。主要讲解研究目标、所用方法、过程中遇到的困难等。

ACS Chemical  
**Neuroscience**

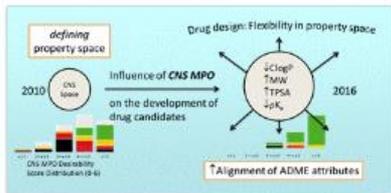


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**Central Nervous System Multi-Parameter Optimization Desirability: Application in Drug Discovery**

*Travis T. Wager<sup>†</sup>, Xinjun Hou, Patrick R. Verhoest and Anabella Villalobos*

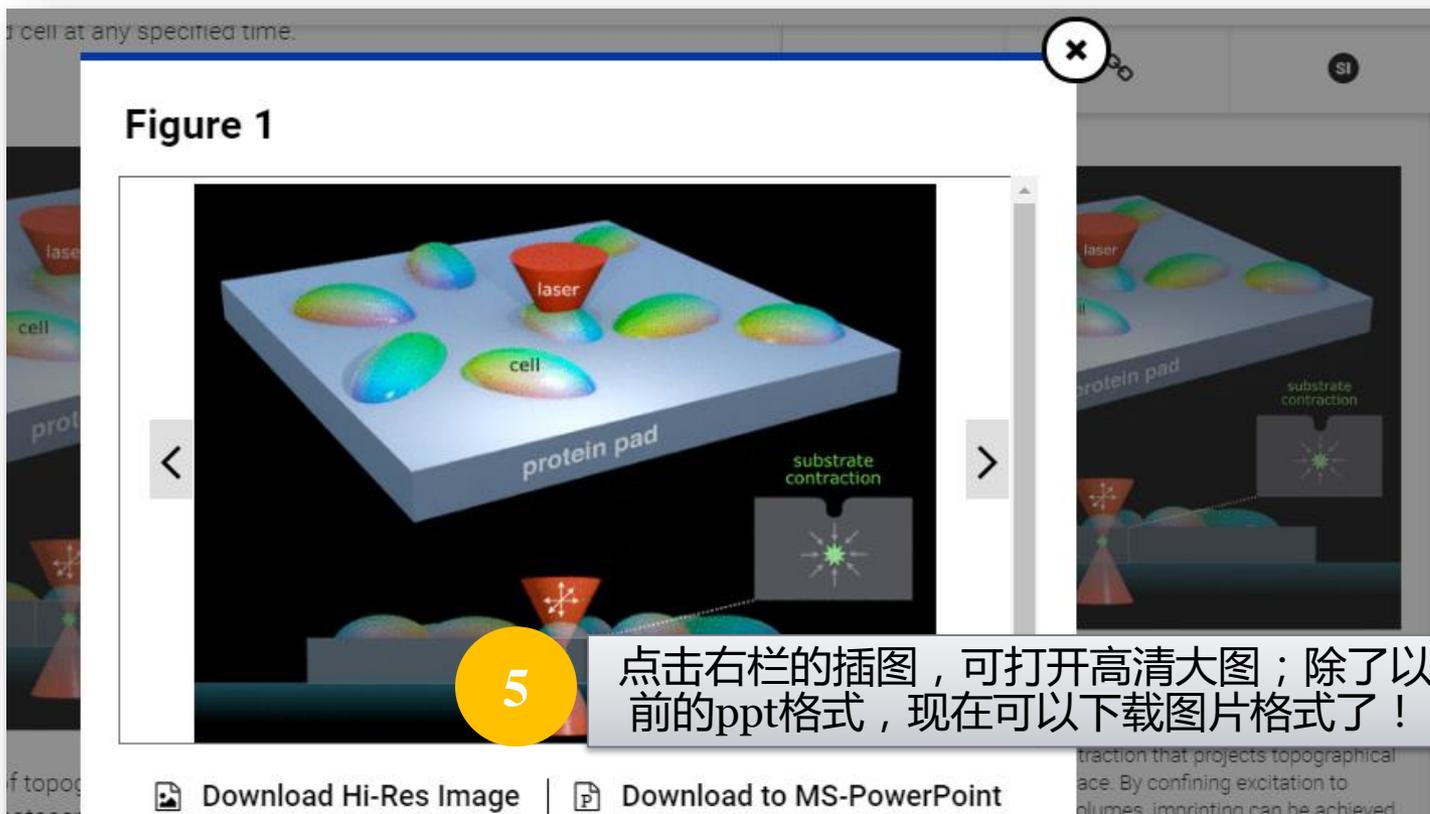
Pfizer Worldwide Research and Development, 610 Main St Cambridge, Massachusetts 02139



DOI: [10.1021/acschemneuro.6b00029](https://doi.org/10.1021/acschemneuro.6b00029)

⏸
0:05
🔊
📺

## 2. 全文页面还有哪些功能？



The screenshot shows a document viewer interface. The main content is a 3D diagram labeled "Figure 1" showing a "protein pad" with several "cell" structures. A "laser" is positioned above the cells, and a "substrate contraction" is indicated by a green starburst. The diagram is presented in a zoomed-in view with navigation arrows and a close button. Below the diagram, there are two download options: "Download Hi-Res Image" and "Download to MS-PowerPoint".

Figure 1

laser

cell

protein pad

substrate contraction

5

点击右栏的插图，可打开高清大图；除了以前的ppt格式，现在可以下载图片格式了！

Download Hi-Res Image | Download to MS-PowerPoint

## 2. 全文页面还有哪些功能？

RETURN TO ISSUE | < PREV LETTER NEXT >

# Lithium-Mediated Electrochemical Nitrogen Reduction: Tracking Electrode–Electrolyte Interfaces via Time-Resolved Neutron Reflectometry

Sarah J. Blair, Mathieu Doucet, James F. Browning, Kevin Stone, Hanyu Wang, Candice Halbert, Jaime Avilés Acosta, José A. Zamora Zeledón, Adam C. Nielander\*, Alessandro Gallo\*, and Thomas F. Jaramillo\*

Cite this: *ACS Energy Lett.* 2022, 7, 6, 1939–1946

Publication Date: May 10, 2022

<https://doi.org/10.1021/acsenergylett.1c02833>

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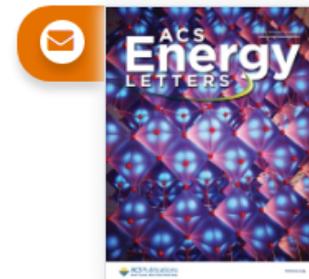
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ACS Energy Letters

Read Online

PDF (2 MB)

Supporting Info (1) »

SUBJECTS: Electrodes, Electrolytes, Interfa

## Abstract

We employed time-resolved, *in situ* neutron reflectometry to observe a dynamic electrode–electrolyte interface under conditions relevant to Li-mediated electrochemical N<sub>2</sub> reduction reaction

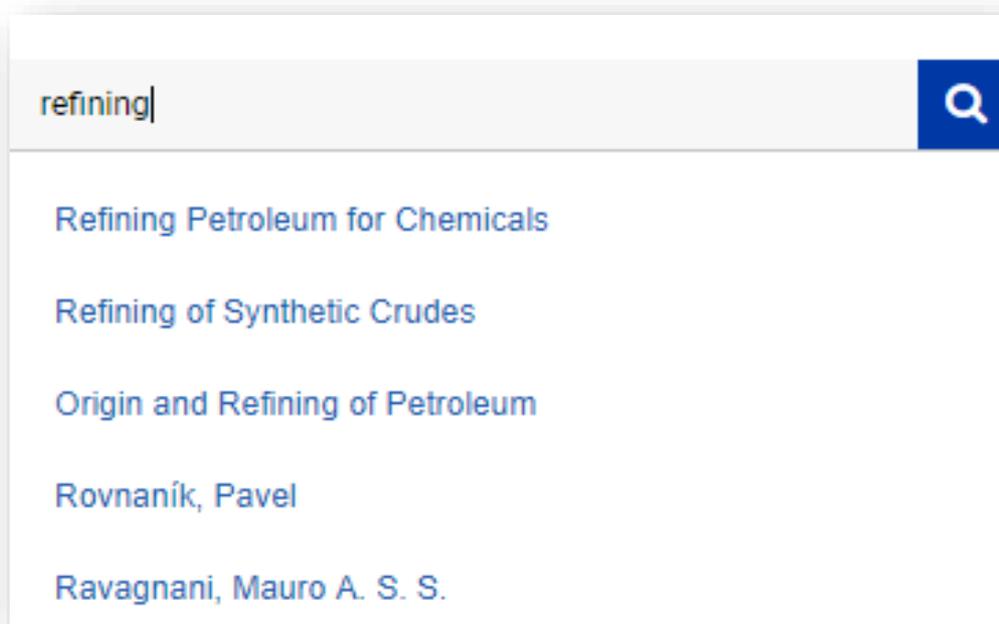
neutron  
O<sub>2</sub>, 1 v% EtOH

您可在网页版全文页面将文章分享给微信好友

### 3. 如何开启高级检索并收藏检索式？

#### Step 1-简单检索

在首页检索栏输入关键词或作者名。  
输入过程中触发的联想关键词，可提供相关性更高的检索结果。



REFINE SEARCH ^ PER PAGE

Advanced Options Search History Saved Searches

Title Refining of Synthetic Crudes

Anywhere Enter Search term

Anywhere  
Title  
Author  
Abstract  
Figure/Table Caption

e.g. Journal of The American Chemical Society

All Content  
 Open Access Content  
  ACS Author Choice  
  ACS Editors' Choice

Publication Date

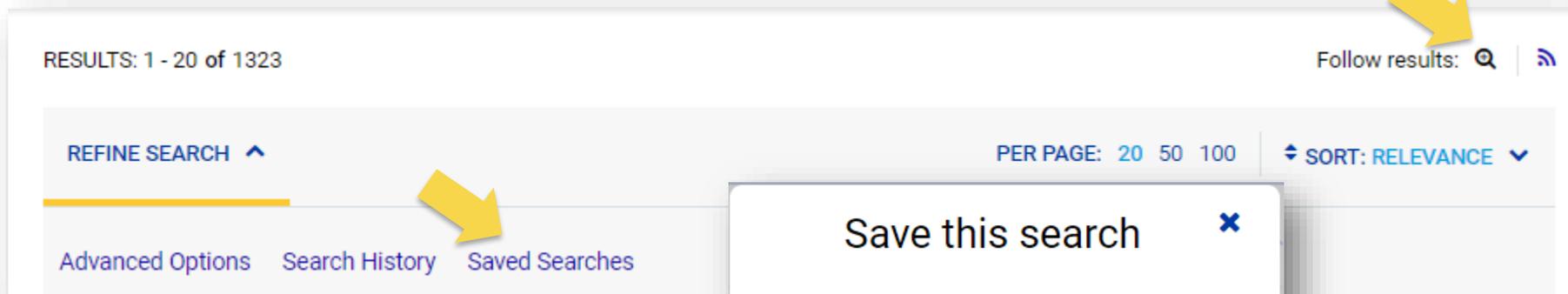
All dates  
 Last

year

## Step 2-筛选

点击一次检索结果页面的**Refine Search**，展开高级检索条件，如检索词出现的位置、出版日期、期刊名称等。做好进一步筛选后，再次检索。

\* 如果您之前有注册过ACS ID，那么用它登陆新版数据库平台后，所有之前收藏过的检索式依然在账号中。



RESULTS: 1 - 20 of 1323

Follow results:  

REFINE SEARCH 

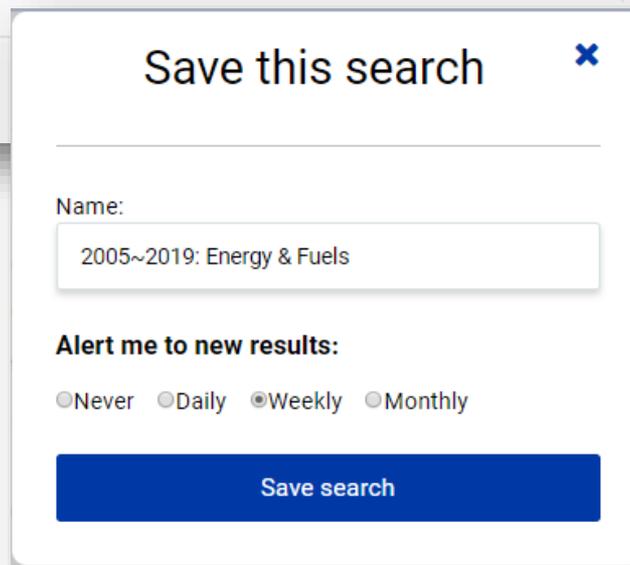
PER PAGE: 20 50 100 | SORT: RELEVANCE 

Advanced Options Search History **Saved Searches**

### Step 3-保存

点击最终检索结果右上方的放大镜按钮，在弹出窗口为检索式命名并设置提醒频率。

点击**Save search**保存后，除了通过邮件查看该检索式的更新情况，您也可在检索结果和ACS ID账号后台的Saved Searches找到。



Save this search 

Name:

2005~2019: Energy & Fuels

Alert me to new results:

Never  Daily  Weekly  Monthly

Save search

Saved Search Name	Frequency	User actions	User
2005~2019: Energy & Fuels	M	RUN	DELE...



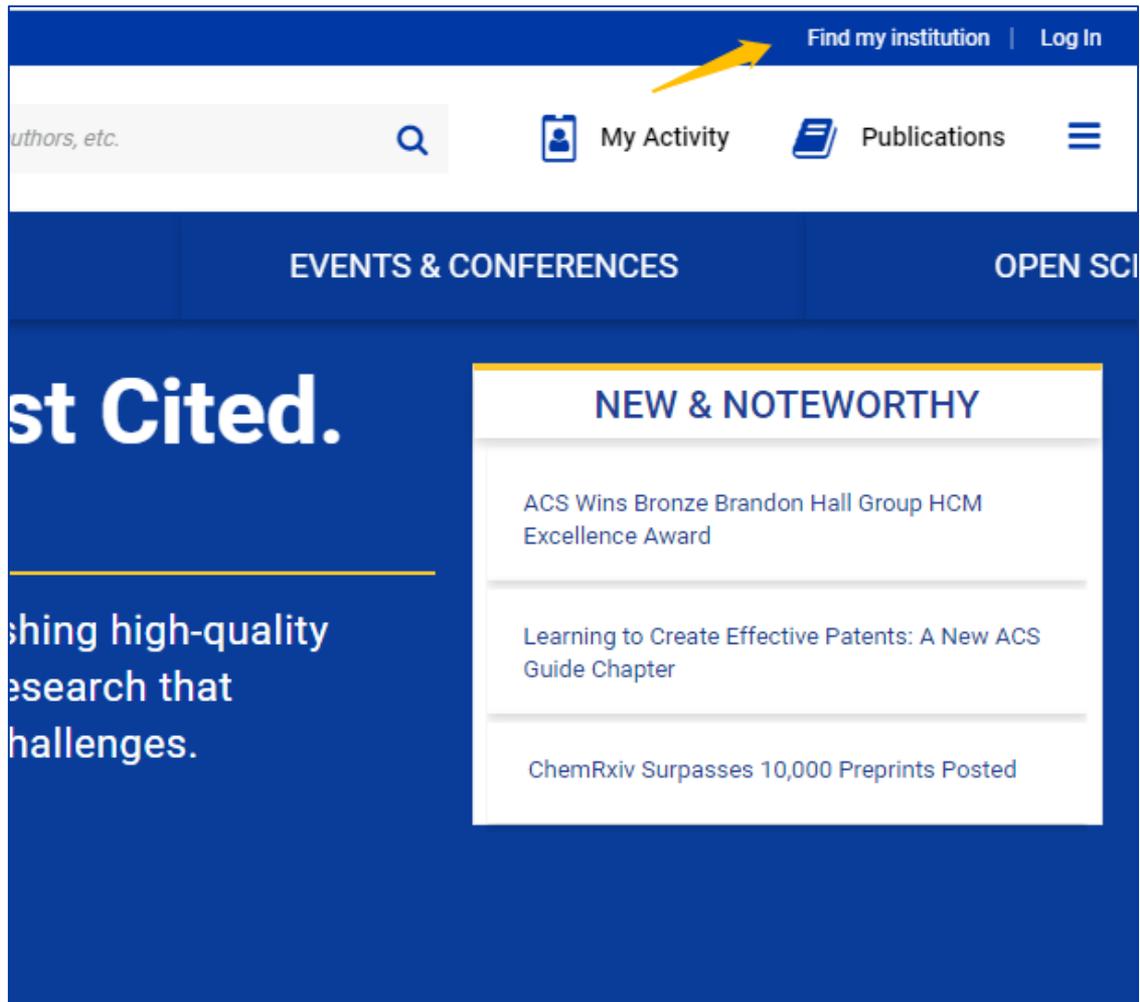
Saved Searches

## 6. 远程访问

2020年起，ACS 数据库加入 CARSI，即“Cernet统一认证与资源共享基础设施联盟”，向该联盟的成员高校提供远程访问认证服务。

### Step 1

点击数据库首页右上角的 **Find my institution** ;



The screenshot shows the ACS database homepage with a blue header. In the top right corner, the text "Find my institution | Log In" is visible. A yellow arrow points to the "Find my institution" link. Below the header, there is a search bar with the text "Authors, etc." and a magnifying glass icon. To the right of the search bar are icons for "My Activity" and "Publications". Below the search bar, there are two main sections: "EVENTS & CONFERENCES" and "OPEN SCIENCE". The "EVENTS & CONFERENCES" section features the text "Most Cited." and "Publishing high-quality research that challenges." The "OPEN SCIENCE" section features the text "NEW & NOTEWORTHY" and a list of three items: "ACS Wins Bronze Brandon Hall Group HCM Excellence Award", "Learning to Create Effective Patents: A New ACS Guide Chapter", and "ChemRxiv Surpasses 10,000 Preprints Posted".

## Search for your Institution

Search By University or Organization

## Find Institution via Federation

> ACOnet Identity Federation (Austria)

> **CARSI Federation**

> Chinese - CSTCloud ID (CAoS)

> German Higher Education (DFN-AAI)

### Step 2

点击右侧的**CARSI Federation**展开已订购数据库的成员高校名单；

## CARSI Federation

< Back to the list

- > Anhui Agriculture University
- > Anhui Normal University
- > Anhui Polytechnic University
- > Anhui University
- > Anhui University Of Science And Technology
- > Anhui University of Technology
- > Beijing Forestry University
- > Beijing Institute of Petrochemical Technology
- > Beijing Normal University
- > Beijing University of Chemical Technology
- > CHONGQING UNIVERSITY
- > CUHK-Shenzhen
- > Chang'an University
- > ChengDu University of Technology
- > China Agricultural University



北京化工大学

登录到 ACS Publications

账号

密码

不保存账号信息

清除历史授权信息

登录

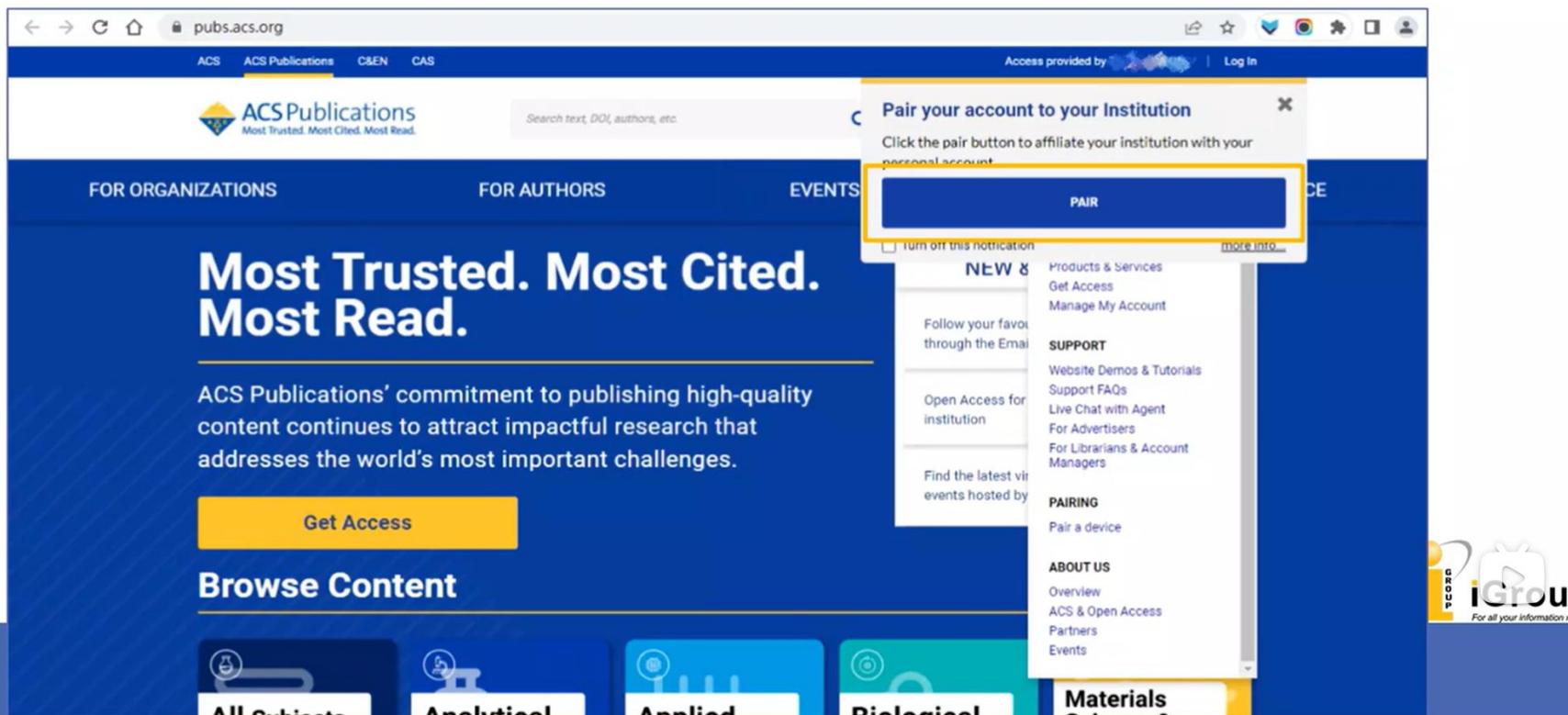
Publishes products and services for the practice and advancement of the chemical sciences.

### Step 3

点击所在学校的名称进入认证页面，登陆后即可在校外访问ACS电子期刊和图书资源。

## 7. 个人远程访问设置

2022年起，ACS 数据库的个人远程访问设置更加简单。具体操作请见短视频：  
<https://www.bilibili.com/video/BV1Yd4y1E7CY>



The screenshot displays the ACS Publications website interface. A modal dialog box titled "Pair your account to your Institution" is open, prompting the user to click the "PAIR" button to affiliate their institution with their personal account. The "PAIR" button is highlighted with a yellow border. The background shows the website's main navigation and content area, including the ACS Publications logo, search bar, and various navigation links.

- \* 设置后四个月内回到IP范围内再次认证！
- \* 请保护账号信息、合理利用远程访问功能并避免过量下载导致远程访问时用的IP被封。

# ACS资源介绍

## ■ ACS资源涵盖学科

无机化学  
有机化学  
物理化学  
分析化学  
分子生物学  
环境科学与工程  
材料科学与工程  
农学与食品科学

传统化学二级学  
科及相关学科

晶体学  
绿色化工  
纳米技术  
清洁能源  
地球化学  
化学信息学  
生物材料  
临床化学  
药理学

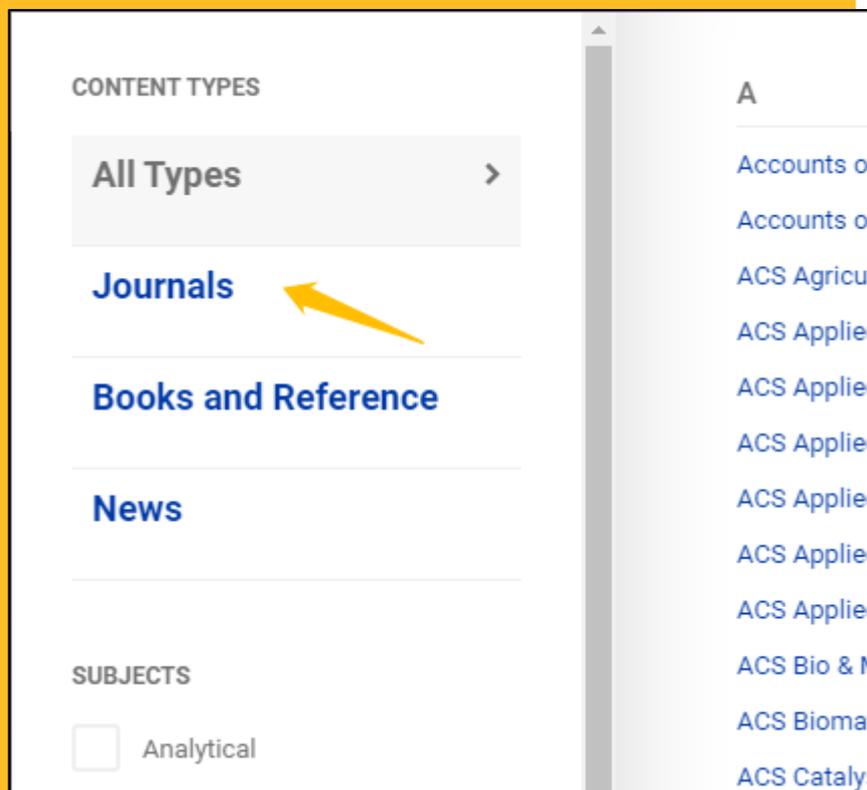
近年新刊涉及  
的交叉学科

适用于几乎所有高  
校STEM学院

物理与光学学院  
化学工程学院  
材料科学与工程学院  
能源学院  
环资学院  
计算机学院  
医学工程学院  
医学院  
药学院

## ACS Publications资源类型

### ■ Journals=期刊



### 60多种同行评审期刊

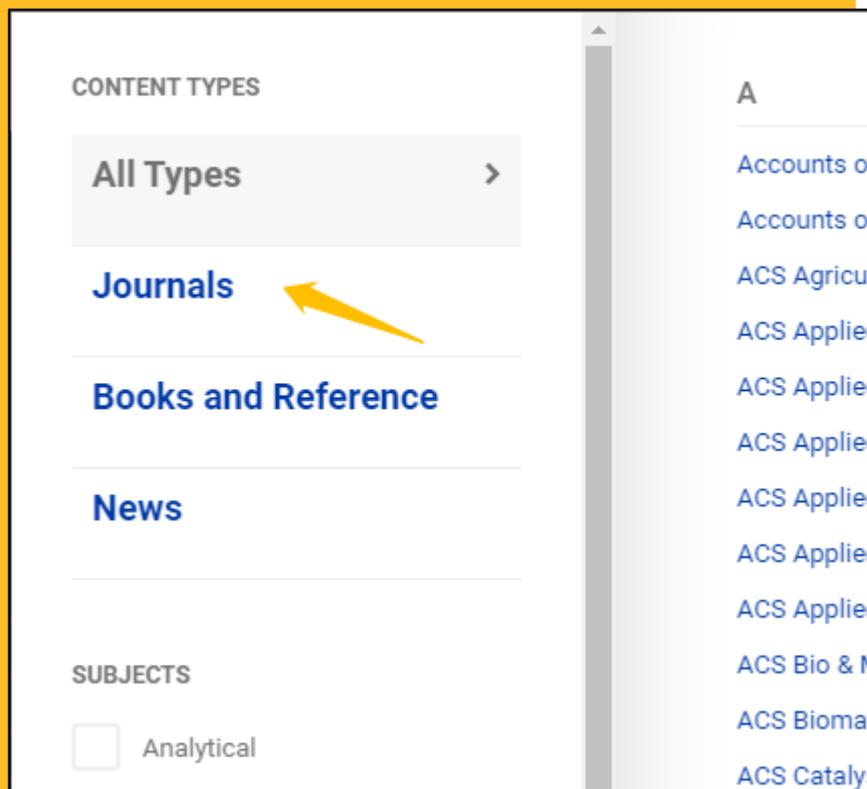
- 每年新增超过5万篇研究论文
- 近年新增期刊：
  - ① 多种涉及材料科学和其他学科交叉领域的期刊：
    - [ACS Applied Nano Materials](#) (影响因子已出)
    - [ACS Applied Energy Materials](#) (影响因子已出)
    - [ACS Applied Bio Materials](#) (即时影响因子已出)
    - [ACS Applied Polymer Materials](#) (影响因子已出)
    - [ACS Applied Electronic Materials](#) (影响因子已出)
    - [ACS Materials Letters](#) (影响因子已出)
    - [ACS Applied Optical Materials](#) (2022年末上线)
    - [ACS Applied Engineering Materials](#) (2022年末上线)
  - ② 一种药理学和医学领域期刊：
    - [ACS Pharmacology & Translational Science](#)
  - ③ 一种以化学职业健康和安全管理为主题的期刊：
    - [ACS Chemical Health & Safety](#) (回溯至1994年第一期)
  - ④ 两种环境科学子刊：
    - [ACS ES&T Engineering](#)
    - [ACS ES&T Waters](#)
  - ⑤ 两种农学和食品科学子刊：
    - [ACS Agricultural Science & Technology](#)
    - [ACS Food Science & Technology](#)

## 60多种同行评审期刊

- 2022年新增期刊（10月上线第一批被接受的文章）

## ACS Publications资源类型

### ■ Journals=期刊



### ACS Applied Engineering Materials

代理主编：Jessica D. Schiffman，马萨诸塞大学化学工程系副教授

主要收录阐述材料理论、模拟、建模或机器学习辅助设计的论文，尤其欢迎为工程应用提供新见解的文章。同时也考虑收录那些包含创新方法的实验型研究，包括具备耐久应用价值的新材料的制备、表征和评价方法。

### ACS Applied Optical

代理主编：Elena Galoppini，罗格斯大学化学系杰出教授

关注光学材料实验和理论研究（包括模拟和建模）的跨学科研究，尤其是光学材料的创新性应，同时也致力于扩充材料科学中有关光与物质相互作用的基础知识。

## 60多种同行评审期刊

– 合作期刊：

① 为美国质谱学会会刊提供访问和投稿平台：

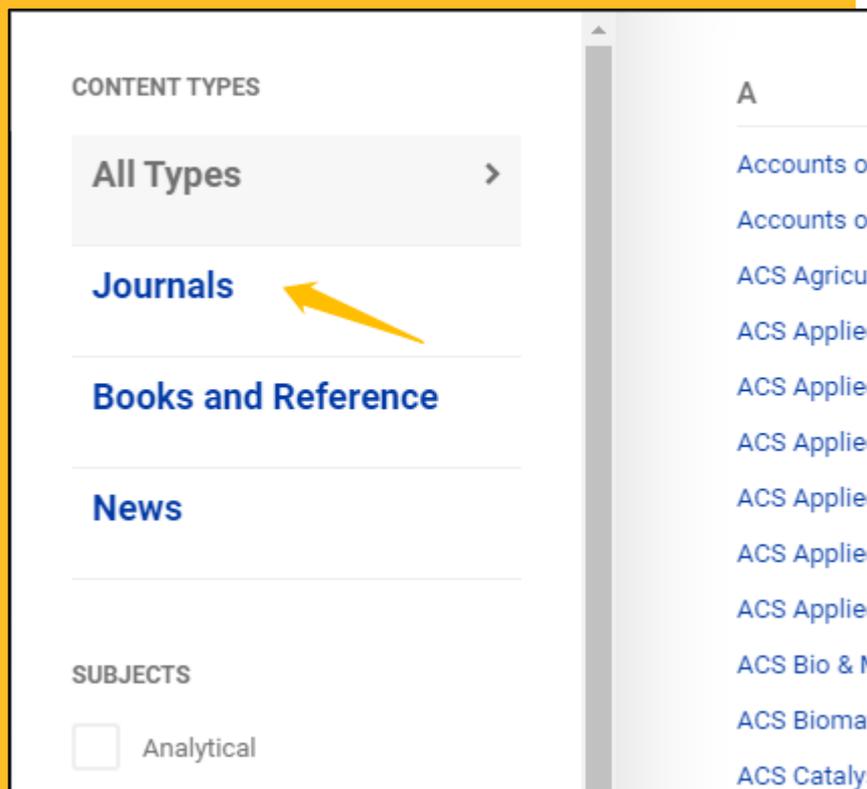
JASMS（回溯至1990年第一期）

② 上海科技大学主办、ACS提供出版：

AMR（材料研究评述，已被SCI索引收录）

## ACS Publications资源类型

### ■ Journals=期刊



扫码查看完整期刊列表（实时更新）

# We are Stewards of the Most Prestigious Journals in Chemistry-Related Science 化学相关学科最权威期刊的“管家”

## ■ 期刊 - 综合、权威

**JOURNAL OF THE AMERICAN  
CHEMICAL SOCIETY**  
美国化学会志

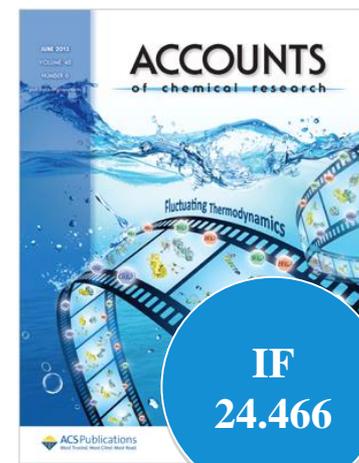
**CHEMICAL REVIEWS**  
化学评论

**ACCOUNTS OF CHEMICAL  
RESEARCH**  
化学研究评述

*To be the world's most trusted source of  
the comprehensive knowledge needed to  
cultivate the chemists of tomorrow*



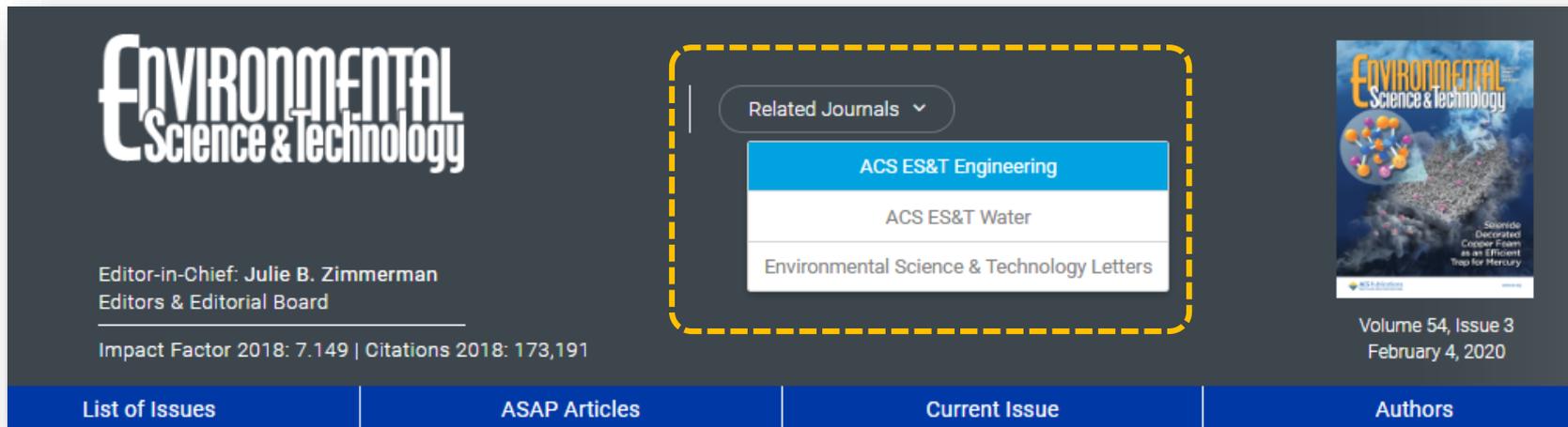
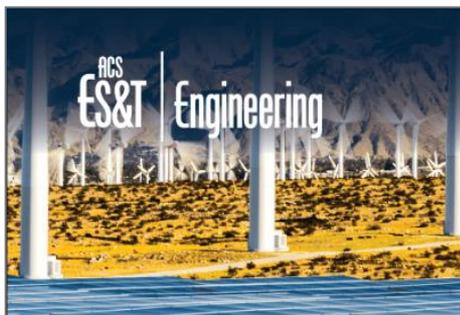
JACS : 1879年  
创立，被引次数最多  
的化学大类期刊



CR : 化学大类期刊中  
影响因子最高的期刊

## ■ 期刊 - 新刊详解

***ACS ES&T Engineering***和***ACS ES&T Water***不定期推出多种专题征稿！

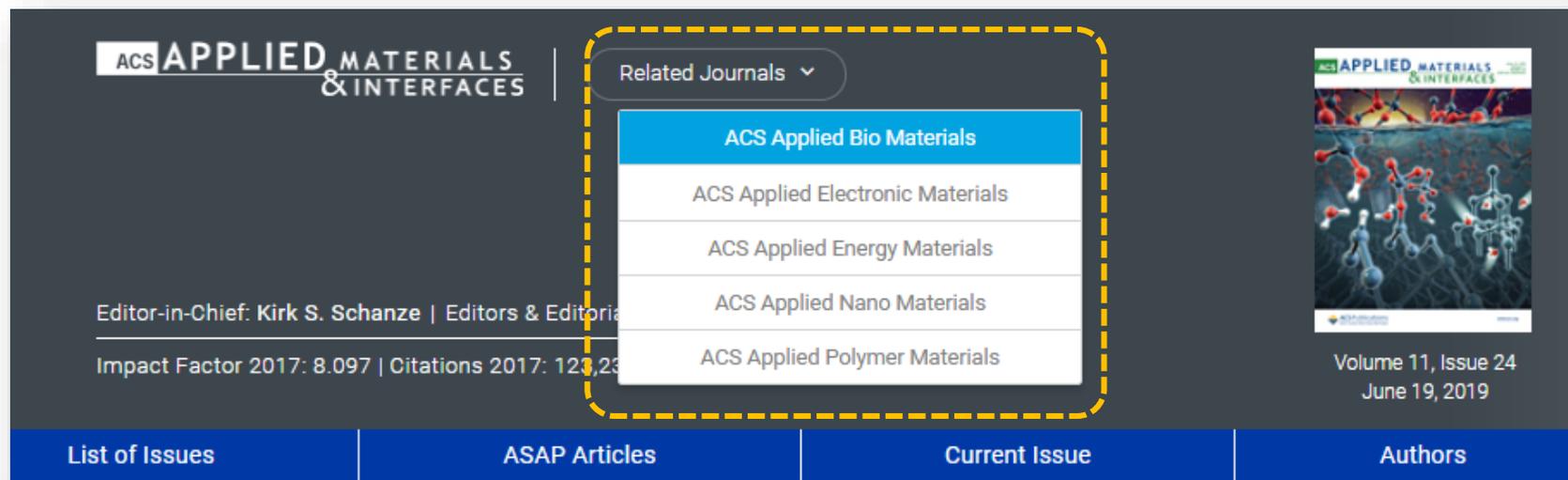
- ✓ 针对能源和环境关联问题的可持续工程工艺；
- ✓ 环境催化、电催化、光催化；
- ✓ 可持续和可再生材料的设计开发；
- ✓ 环境监测和感应技术的开发；
- ✓ 固液气态废弃物的处理、处置和资源回收。。。



- ✓ 供水和可持续性；
- ✓ 水处理、循环和再利用；
- ✓ 水资源保护、政策和规范；
- ✓ 地下水修复和恢复；
- ✓ 新型污染物的检测和定性；
- ✓ 水环境污染物质传递和演变过程的模拟。。。

## ■ 期刊 - 新刊详解

广受好评的应用材料类期刊 **ACS Applied Materials & Interfaces** 扩大了自己的出版线、新增了7种交叉学科新刊。



ACS APPLIED MATERIALS & INTERFACES

Related Journals ▾

- ACS Applied Bio Materials
- ACS Applied Electronic Materials
- ACS Applied Energy Materials
- ACS Applied Nano Materials
- ACS Applied Polymer Materials

Editor-in-Chief: Kirk S. Schanze | Editors & Editorial Board

Impact Factor 2017: 8.097 | Citations 2017: 123,234

Volume 11, Issue 24  
June 19, 2019

List of Issues | ASAP Articles | Current Issue | Authors

IF  
6.959



应用能源材料

IF  
6.140



应用纳米材料

JCI  
0.56



应用生物材料

IF  
4.855



应用高分子材料

IF  
4.494



应用电子材料

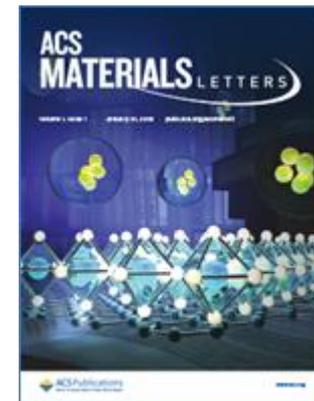
## ■ 期刊 - 新刊详解

### *ACS Materials Letters*

2019年7月，ACS再推出一本材料科学类新刊 *ACS Materials Letters*，对其姊妹刊 *Chemistry of Materials* (CM) 进行补充。这本通讯期刊将作为前沿性基础和应用研究的沟通平台，为材料科学与其他学科（包括化学、环境、能源、生物制药和催化应用）交叉领域内高质量且有迫切发表需求的通讯文章提供便利。

本刊由CM主编Jillian Buriak监督，并由副主编Bin Liu主持。Bin Liu博士担任新加坡国立大学教务长讲座教授和化学与生物分子系主任。

随着 *ACS Materials Letters* 的推出，*Chemistry of Materials* 和 *ACS Applied Materials & Interfaces* 不再发表快报体裁的文章。



[pubs.acs.org/journal/amlcef](https://pubs.acs.org/journal/amlcef)

#### 收录的文章体裁：

- ✓ **Letters**
- ✓ **Perspectives**(that highlight an emerging topic of broad interest)
- ✓ **Reviews**(detailed overviews of a current area of research)
- ✓ **Viewpoints**(short comment on a specific research topic)
- ✓ **Previews**(editorial features that alert the readership to exciting materials-related developments)

## ■ 期刊 - 新刊详解

### *ACS Pharmacology & Translational Science*

2018年9月上线的*ACS Pharmacology & Translational Science*收录的创新研究涉及生物学的多个方面——从基础和分子科学到转换临床前研究。编辑团队也会考虑哪些致力于寻找药物作用新机制的临床研究以及可以提供创新或推动转化医学的方法论文章。

#### 编辑团队：

本刊的编辑团队由澳大利亚莫纳什大学药理学研究所（MIPS）教授、国家卫生和医学研究委员会（NHMRC）首席研究员Patrick M. Sexton领导；副主编之一是来自中科院上海药物所的谢欣博士。



[pubs.acs.org/journal/aptsfn](https://pubs.acs.org/journal/aptsfn)

## ■ 期刊 - 新刊详解

### *ACS Chemical Health & Safety*



**1994 - 2004**

*Chemical Health & Safety*

**2005 - 2019**

*Journal of Chemical Health & Safety*

**2020年起**

正式更名为 *ACS Chemical Health & Safety* ,  
并将第一期至今的全部内容转移至ACS  
Publications数据库, 作者通过ACS Paragon  
Plus平台投稿。

[pubs.acs.org/journal/achsc5](https://pubs.acs.org/journal/achsc5)

#### 收录的文章主题：

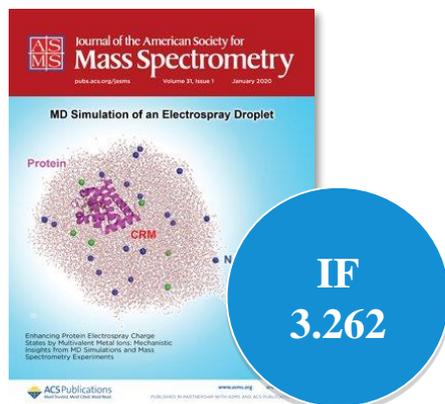
- ✓ 风险评估
- ✓ 危险品介绍
- ✓ 实验室事故报道和经验总结
- ✓ 新出现的污染物和化学安全信息

## ■ 期刊 - 合作期刊

### *Journal of the American Society for Mass Spectrometry*



**2020年起，ACS出版社与美国质谱学会（ASMS）在JASMS上达成合作分工：**  
在保留ASMS下属的独立编辑团队的同时、籍由ACS出色的电子出版运营能力，为期刊作者和读者带来更多益处。



<https://pubs.acs.org/journal/achsc5>

#### 收录的文章主题：

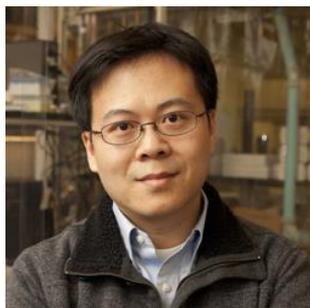
- ✓ 仪器原理、设计和展示
- ✓ 气相离子的结构和化学性质
- ✓ 热动力学性质
- ✓ 离子光谱
- ✓ 化学分子运动学
- ✓ 离子化的机理
- ✓ 离子碎片化的理论
- ✓ 簇离子
- ✓ 势能面

## ■ 期刊 - 合作期刊

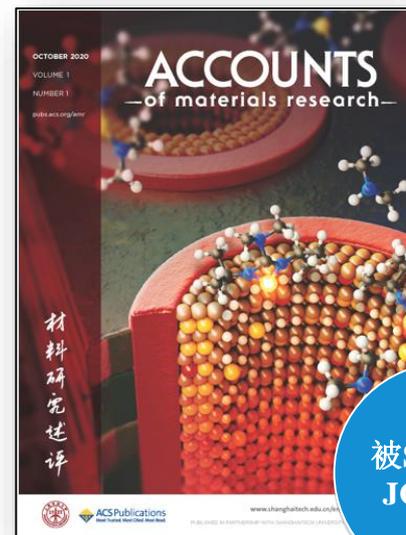
### *Account of Materials Research*

- ✓ 2020年末创刊，与上海科技大学合作出版，是ACS的第一本国际合作期刊。
- ✓ 发表简明扼要的评论性综述文章，邀请作者概述材料科学和工程各领域的基础和应用研究，旨在向读者系统地介绍作者的研究工作。
- ✓ 期刊目前仅限约稿，但可以先提交 proposal 给主编审阅，等待约稿。

<https://pubs.acs.org/journal/amrcda>



- 主编：西湖大学教授黄嘉兴（曾就职于美国西北大学）
- 致力于利用化学原理和工具推进材料加工和制造，并利用材料方面的创新来解决其它科学、工程和社会领域的问题



被SCI收录  
JCI=1.63

## ACS Publications资源类型

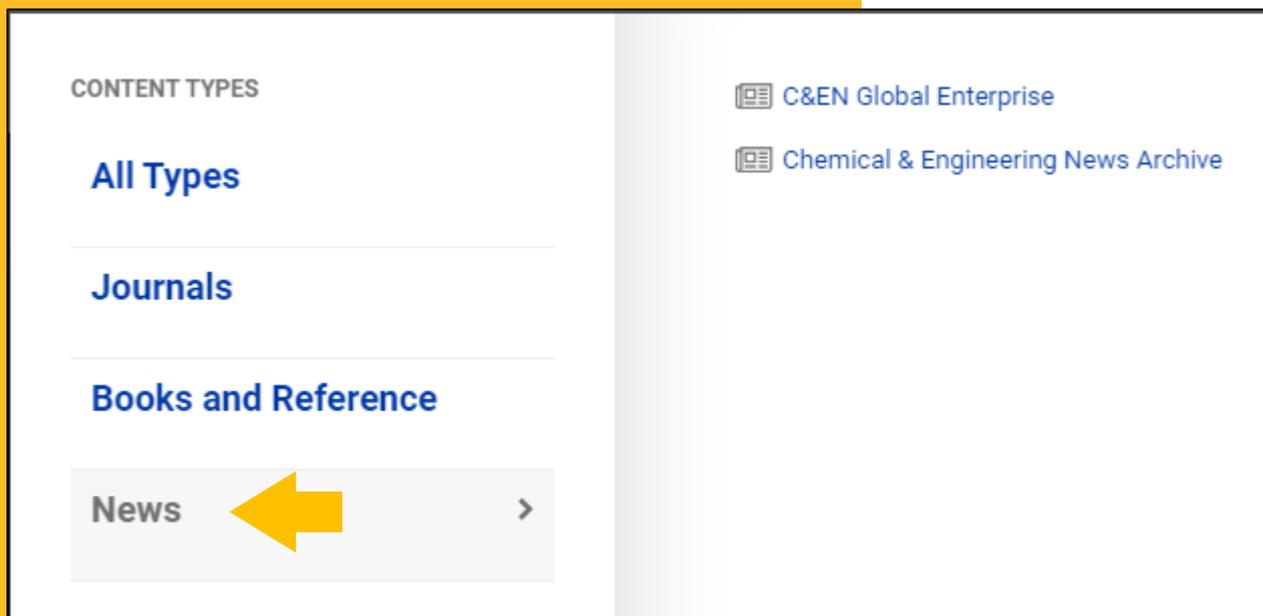
### ■ News=新闻杂志

#### C&EN Global Enterprise

- 涵盖C&EN新闻杂志2016年至今发表的内容：
- 进入该平台后，点击 **Past Issues**，选择相应年份。
- 报道最新研究进展、政策趋势、就业信息。
- C&EN “安全地带”（化学安全科普博客）：  
<https://cenblog.org/the-safety-zone>

#### C&EN Archives

- 该刊2016年之前发表的内容。



CONTENT TYPES

- All Types
- Journals
- Books and Reference
- News ←

C&EN Global Enterprise

Chemical & Engineering News Archive

# C&EN Global Enterprise 化学化工新闻全球事业平台

**c&en**  
GLOBAL ENTERPRISE

Enter search terms



Current Issue

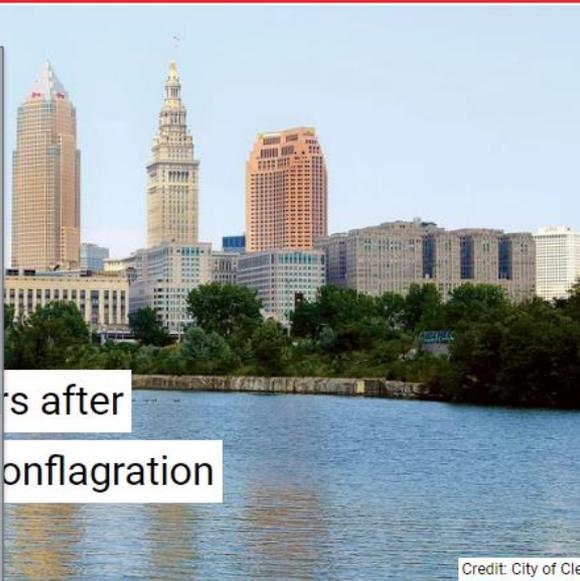
Past Issues

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About

**c&en** JOBS

- 美国化学会为 C&EN 建立了全新的 Global Enterprise 平台，实现了 C&EN 和期刊、图书分享同一检索栏。
- 多种文章主题等您来发掘：
- 科技
- 医学
- 社会
- 市场营销
- 工程
- 环境
- 其他主题（如商业、法规、政策等等）



Credit: City of Cleveland Photo Bureau



June 17, 2019  
Volume 97, Issue 24

In this Issue  
Pages 1-40

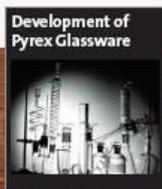
**About this Cover:**  
Cuyahoga conflagration 50 years later  
Firefighters on a bridge over the Cuyahoga River spray water on a tugboat surrounded by flames in November 1952. This picture became famous after Time magazine ran it in 1969 with a story about ecological degradation in the US. Public domain

CURRENT ISSUE

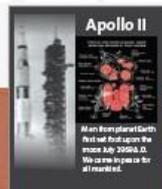
PAST ISSUES



1923



1943



1969



2015



2016

[pubs.acs.org/journal/cgeabj](https://pubs.acs.org/journal/cgeabj)

...2016 AND BEYOND



# ACS Publications资源类型

## ■ Books and Reference=图书

### CONTENT TYPES

All Types

Journals

Books and Reference >

News

ACS Guide to Scholarly Communication

ACS In Focus

ACS Medicinal Chemistry Reviews

ACS Reagent Chemicals

ACS Symposium Series

Advances in Chemistry

## ACS eBooks

Advances in Chemistry (1949 ~ 1998)

- 已停更，经典参考内容，共255本

ACS Symposium Series (1974 ~ 至今)

- 每年新增30-35本，共1400多本

- 涵盖生物工程、环境技术、材料、农业、食品、高分子化学、化学教育等多个应用领域

ACS Medicinal Chemistry Reviews (2022年起被收录于ACS数据库)

- 由ACS药化部门出品的优秀年鉴；就制药行业的重要议题提供了及时和批判性的总结！

## ACS In Focus 系列电子书

- Inaugural Collection ( 10本，已全部上线 )

- Collection 1 ( 20本，已全部上线 )

- Collection 2 ( 20本，部分上线 )

- Collection 3 ( 20本，2023下半年起上线 )

可以试读！详见视频指南：

<https://www.bilibili.com/video/BV1uP41117rS>

## ACS Guide to Scholarly Communication

- 2020年新版上线，每年不定期更新一定内容

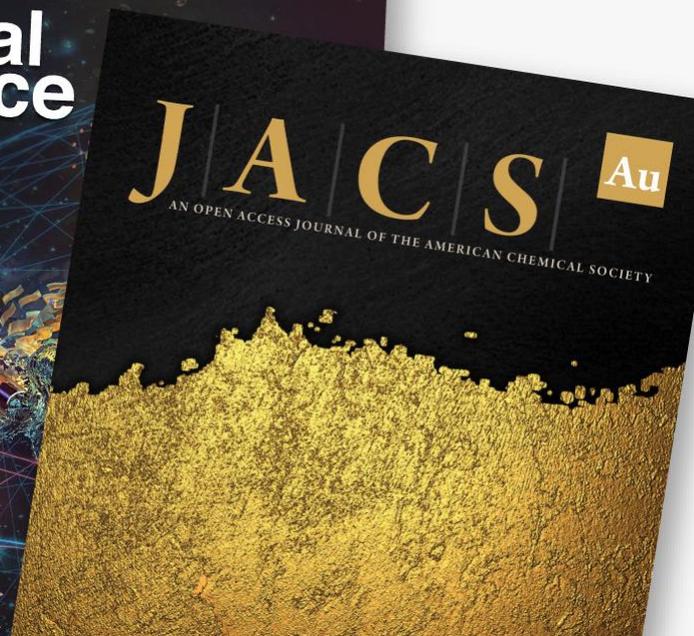
- 纳入专门针对数字时代论文发表的新章节

- ACS学术写作和交流的权威参考

# 开放获取 (OA) 政策

## ■ ACS对全球开放科学呼声的回应

- 学术出版多年来一直在向开放获取迈进，ACS积极应对全球开放获取以及开放科学的呼声，2020年之前，ACS旗下有两本全OA的期刊。
- 2015年上线的ACS Central Science（投稿不收取费用），目标是提升化学作为“核心科学”的关注度，自创刊以来不断发表与其他学科交叉领域杰出的研究成果；
- 2016年上线的ACS Omega，旨在快速发表经过同行评议的研究成果，加快新理念和有潜力的研究的传播，从而推动化学科学的前沿。



- **ACS Central Science** ( ACS中心科学 ) 文章被接受发表后无需作者付费 ;
- 接受门槛较高 , 对研究的创新度和前沿性有非常高的要求 ;
- 每年仅发表100-200篇研究论文。

IF  
14.553



ACS  
central  
science

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ACS  
OMEGA

ACS Omega is the open access journal for rapid publication of quality articles in chemistry and interfacing areas of science.

IF  
3.512

- **ACS Omega** ( ACS欧米伽 ) 让作者以低于多数主流期刊的费用换取文章的开放 ;
  - 注重研究工作的严谨和客观 ;
- 收录Research Article ( 研究论文 ) , Mini-review ( 短综述 ) 和Perspective ( 展望 ) ;
  - 自2019年首获影响因子后 , 稳步增长。

## ■ OA政策

- **ACS AuthorChoice**让作者及其资助基金（如美国的NIST以及能源部发布的研究基金）以**合理的费用**换取研究成果的开放；
- AuthorChoice的费用只**向通讯作者收取**；
- 文章被编辑部接受后再付费。



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A new research article every day, selected by ACS Editors, free to access.



**NIST**  
National Institute of  
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