

# ACS Publications 数据库使用指南

**Jan. 2024**  
**iGroup ACS Team**

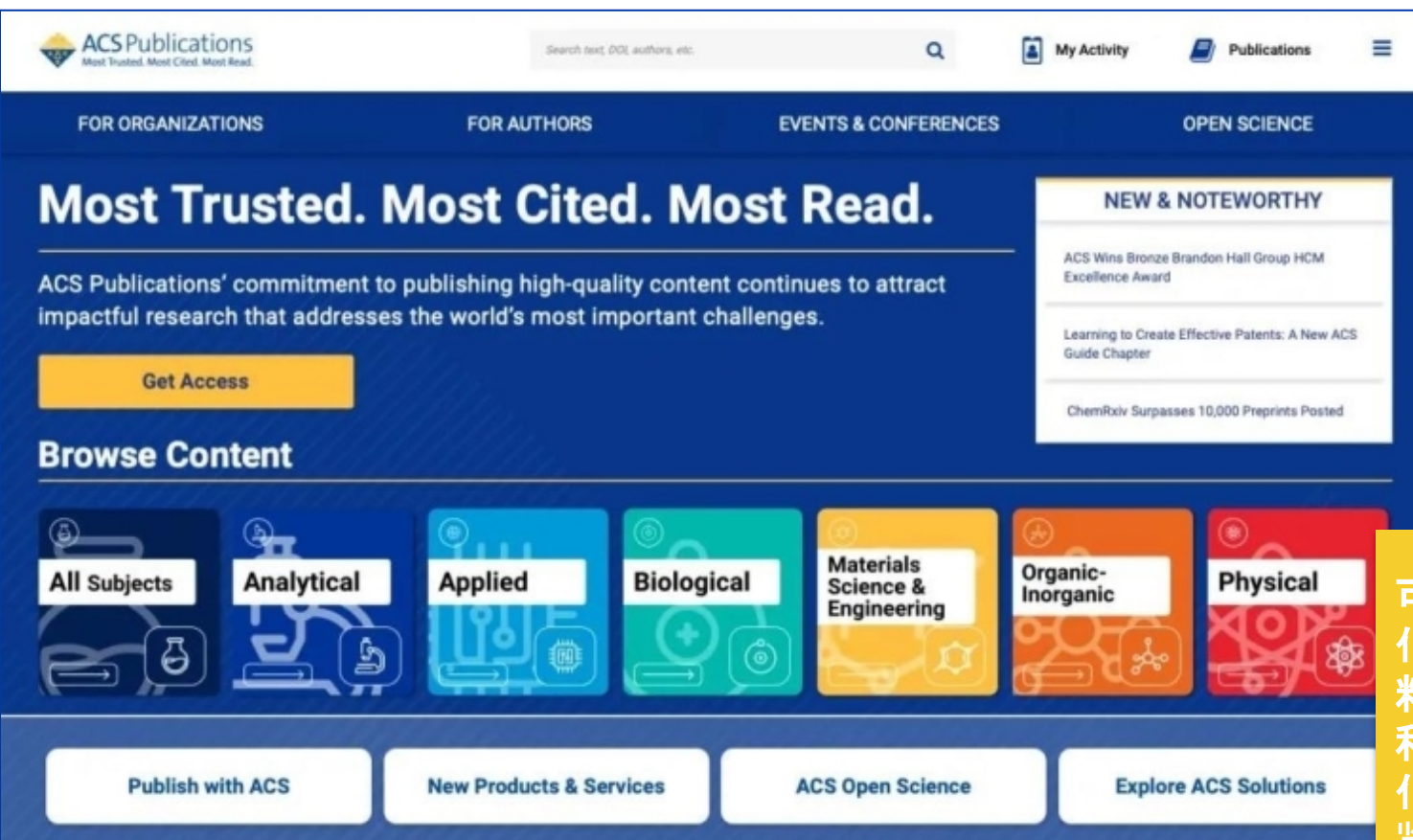
## 目录

- 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

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

# 平台功能一览

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在2021年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和期刊目录没有做变动。



The screenshot shows the ACS Publications website homepage. At the top, there is a navigation bar with the ACS Publications logo, a search bar, and links for 'My Activity' and 'Publications'. Below the navigation bar, there are four main categories: 'FOR ORGANIZATIONS', 'FOR AUTHORS', 'EVENTS & CONFERENCES', and 'OPEN SCIENCE'. The main content area features a large headline: 'Most Trusted. Most Cited. Most Read.' followed by a sub-headline: 'ACS Publications' commitment to publishing high-quality content continues to attract impactful research that addresses the world's most important challenges. A yellow 'Get Access' button is positioned below the sub-headline. To the right, there is a 'NEW & NOTEWORTHY' section with 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'. Below this, there is a 'Browse Content' section with seven color-coded tiles representing different subject areas: 'All Subjects', 'Analytical', 'Applied', 'Biological', 'Materials Science & Engineering', 'Organic-Inorganic', and 'Physical'. At the bottom, there are four white buttons: 'Publish with ACS', 'New Products & Services', 'ACS Open Science', and 'Explore ACS Solutions'.

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。

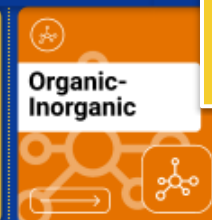


鼠标悬置于期刊标题即可了解其关注的研究方向。

FOR ORGANIZATIONS

FOR AUTHORS

EVENTS & CONFERENCES



Materials Science & Engineering

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

Remove Filters

Q X

**A**

[Accounts of Chemical Research](#)

[Accounts of Materials Research](#)

[ACS Applied Bio Materials](#)

[ACS Applied Electronic Materials](#)

[ACS Applied Energy Materials](#)

[ACS Applied Engineering Materials](#)

[ACS Engineering Au](#)

[ACS Environmental Au](#)

[ACS ES&T Engineering](#)

[ACS ES&T Water](#)

[ACS Macro Letters](#)

[ACS Materials Au](#)

[ACS Materials Letters](#)

**B**

[Journal of Chemical & Engineering Data](#)

[Bioconjugate Chemistry](#)

Research articles on all aspects of bioconjugates, including the preparation, properties and applications of biomolecular conjugates.

[The Journal of Organic Chemistry](#)

[The Journal of Physical Chemistry C](#)

**C**

[Chemical & Biomedical Imaging](#)

[The Journal of Physical Chemistry Letters](#)

[Chemical Reviews](#)

[Journal of the American Chemical Society](#)

[Chemistry of Materials](#)

**L**

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>

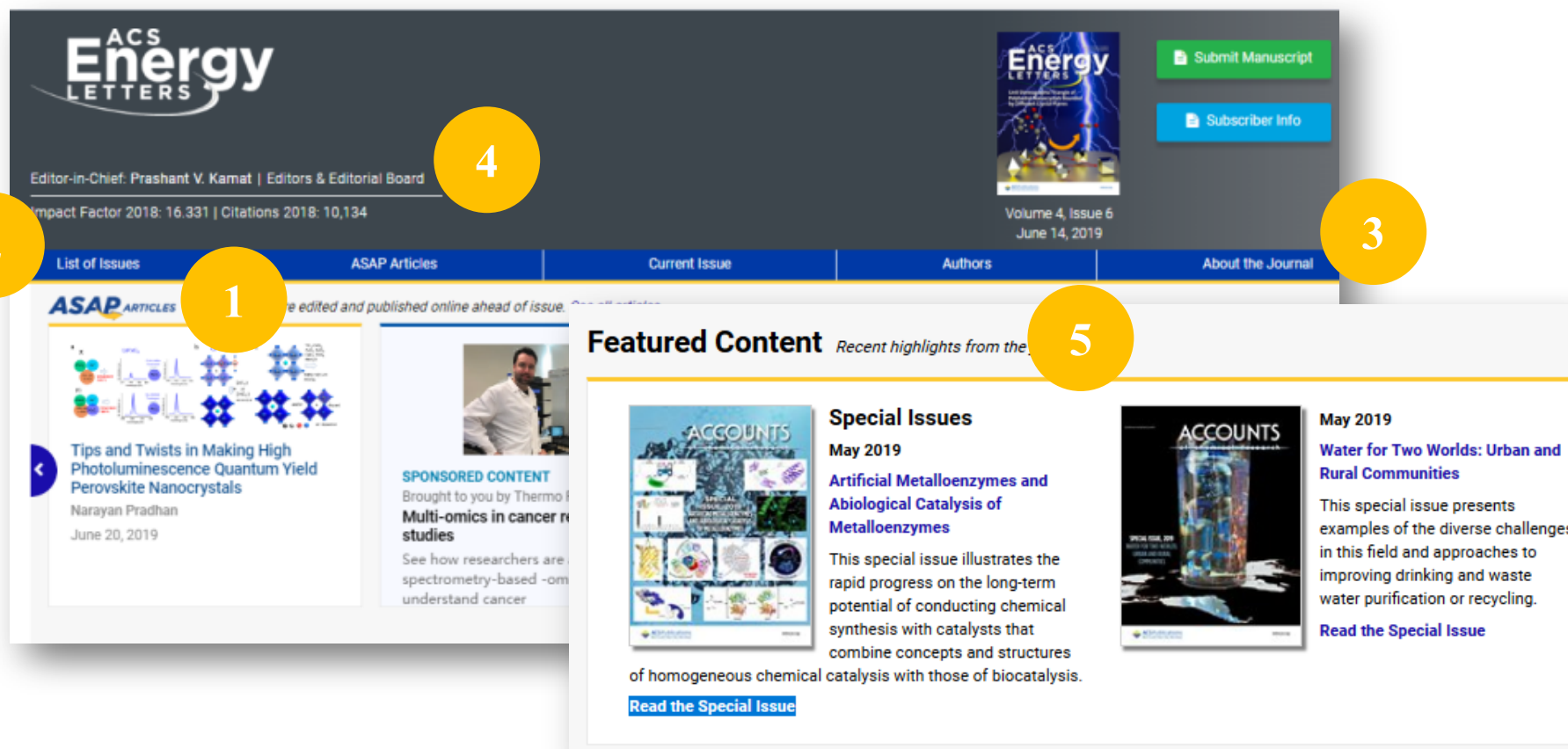
## ■ 数据库内部特色功能

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 title, Editor-in-Chief Prashant V. Kamat, and impact factor information. 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 article, sponsored content, and a featured content section for Special Issues.

**1** ASAP ARTICLES: Edited and published online ahead of issue.

**2** List of Issues

**3** Submit Manuscript / Subscriber Info

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

**5** Featured Content: Recent highlights from the...

**Special Issues**  
 May 2019  
**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](#)

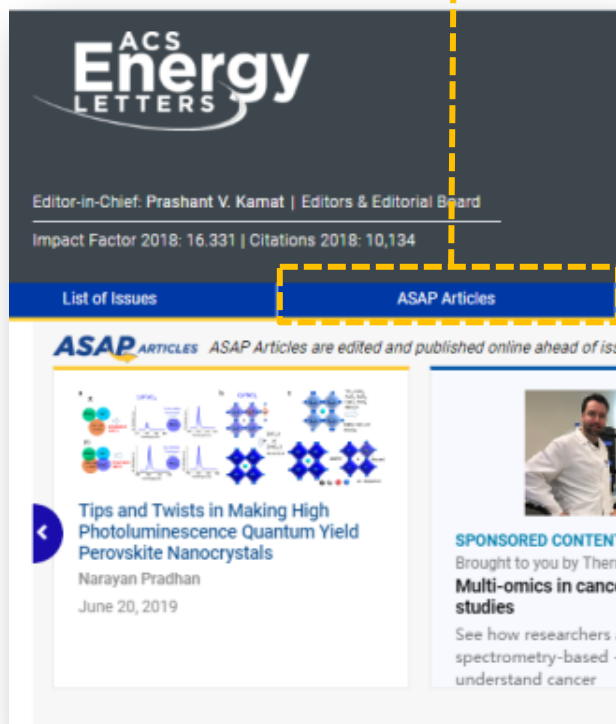
**May 2019**  
**Water for Two Worlds: Urban and Rural Communities**  
 This special issue presents examples of the diverse challenges in this field and approaches to improving drinking and waste water purification or recycling.  
[Read the Special Issue](#)

## ■ 数据库内部特色功能

- **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

\* ASAP文章现仅开放给订购用户



## ■ 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

个性设置, 点我看看



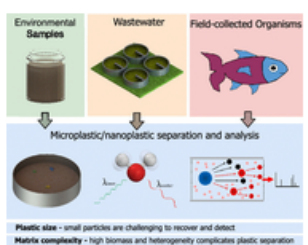
### Separation and Analysis of Microplastics and Nanoplastics in Complex Environmental Samples

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





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 Nanocapsule Barrier Both in Vitro and in Vivo

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

Article Views **698**
Altmetric **252**
Citations **-**

[LEARN ABOUT THESE METRICS](#)

**Cite This:** *Mol. Pharmaceutics* 2019, 16, 5, 1999-2010  
 Publication Date: March 13, 2019  
<https://doi.org/10.1021/acs.molpharmaceut.8b01344>  
 Copyright © 2019 American Chemical Society  
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### 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。



News (2)
Blogs (1)
Patents (135)
Wikipedia (3)
Mendeley (691)
CiteULike (2)

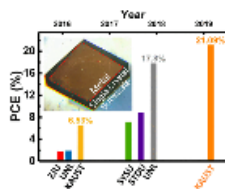


# 1. 期刊主页还有哪些功能？

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。

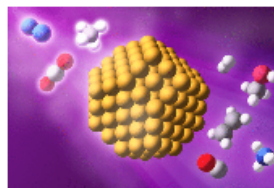
## Most Read Rankings are updated daily for previous 30 days (below) and previous 12 months. [See all articles.](#)



### Single-Crystal MAPbI<sub>3</sub> Perovskite ...

Zhaolai Chen, ... and Osman M. Bakr\*

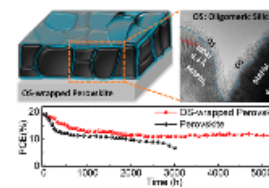
May 7, 2019



### Catalysis Enabled by Plasma ...

Prateek Mehta, ... and William F. Schneider\*

April 5, 2019



### Oligomeric Silica-Wrapped ...

Yang Bai, ... and Jinsong Huang\*

May 7, 2019

## 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

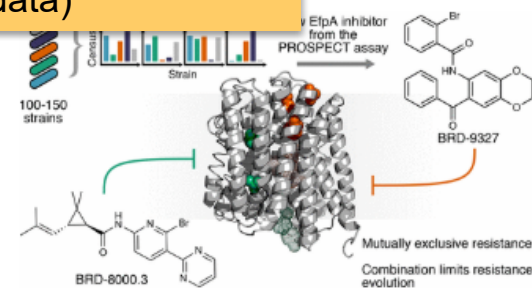


Figure 1

4

推荐文章：看过这篇的读者还看了其他哪些文章？

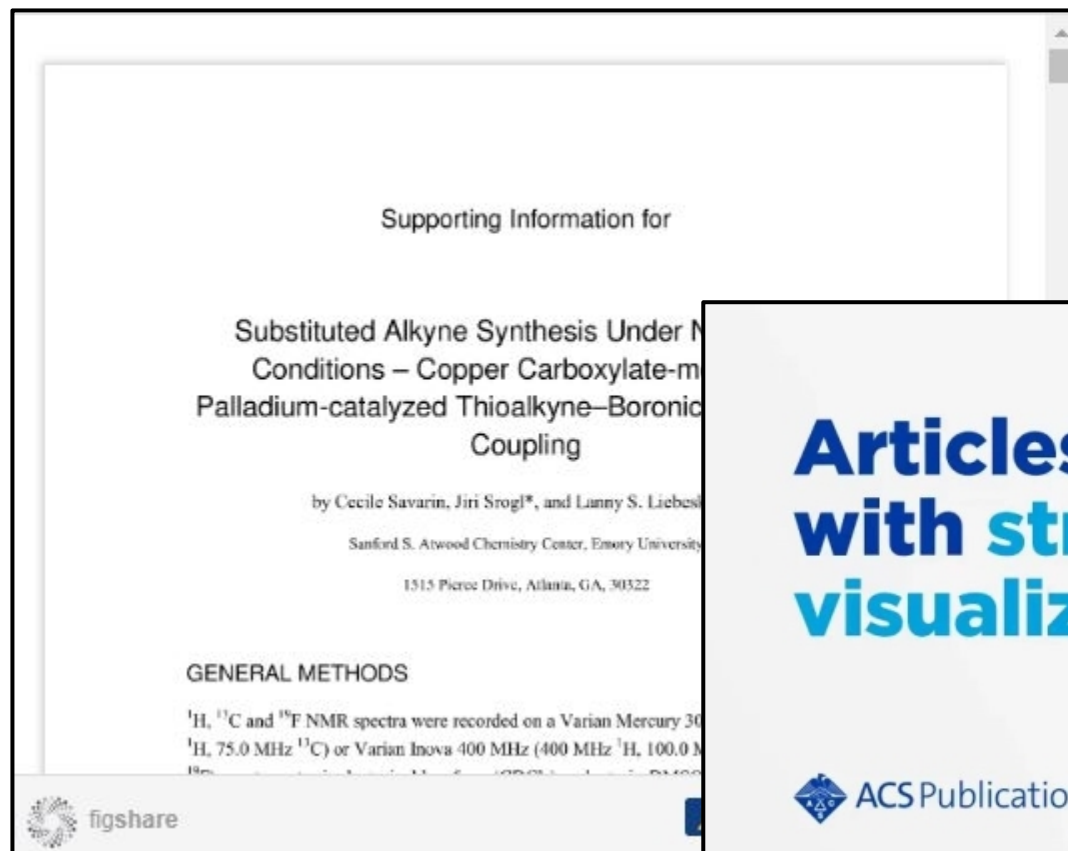
Recommended Articles



\* **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 MHz (400 MHz <sup>1</sup>H, 100.0 MHz <sup>13</sup>C) or Varian Inova 400 MHz (400 MHz <sup>1</sup>H, 100.0 MHz <sup>19</sup>F) spectrometer. All chemical shifts are reported in ppm relative to TMS (0 ppm) or CDCl<sub>3</sub> (77.0 ppm).

figshare



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with structure  
visualizations**

ACS Publications

CCDC  
advancing structural science

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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。

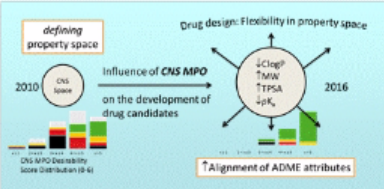
ACS Chemical  
**Neuroscience**

ACS Publications  
Most Trusted. Most Cited. Most Read.


### 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)



## 2. 全文页面还有哪些功能？

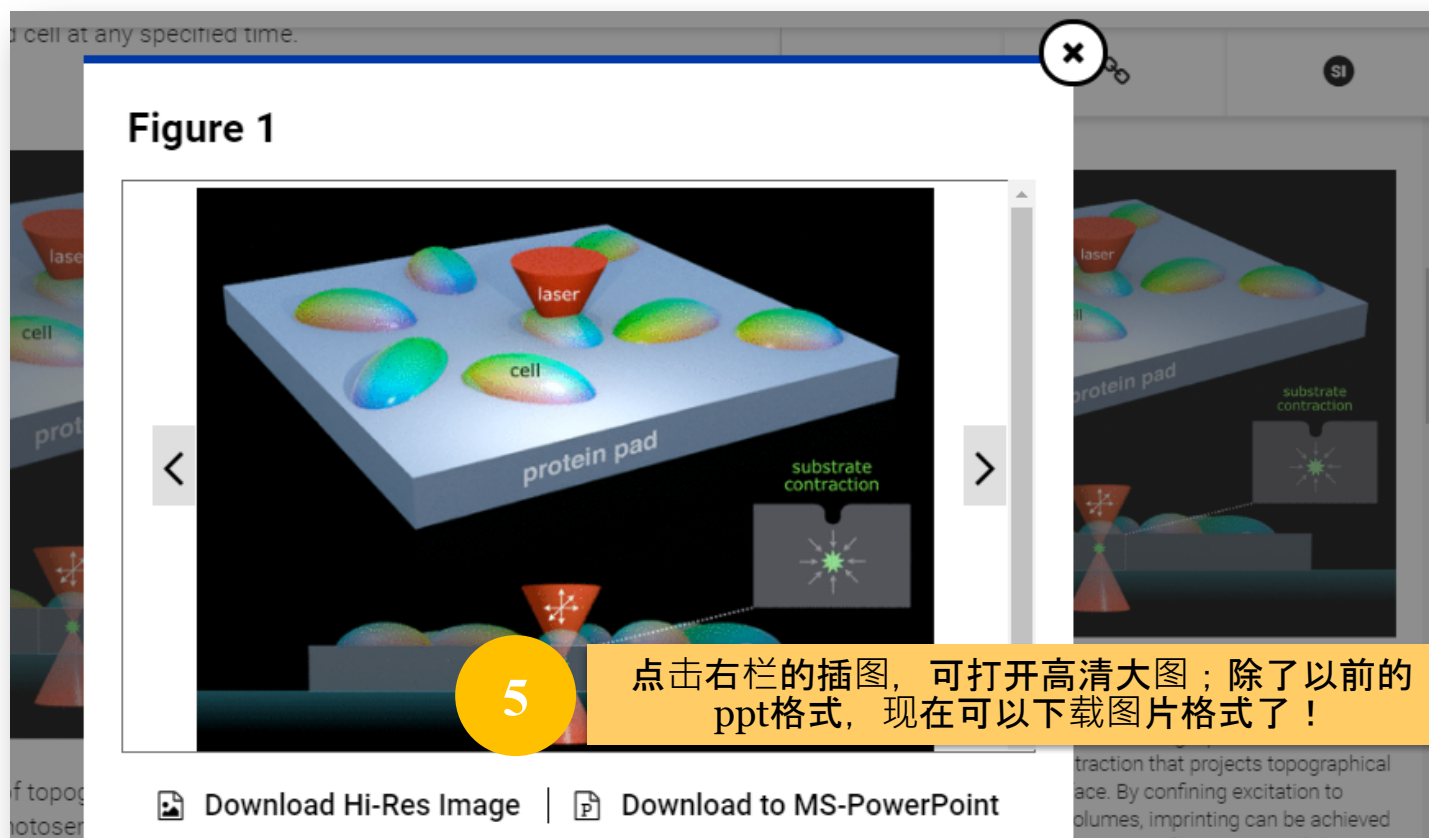


Figure 1

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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Article Views: 626 | Altmetric: - | Citations: -  
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Share Add to Export  
 [Crossref] [ACS] [RIS]

Read Online PDF (2 MB) Supporting Info (1) »

SUBJECTS: Electrodes, Electrolytes, Interfa

ACS Energy Letters

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

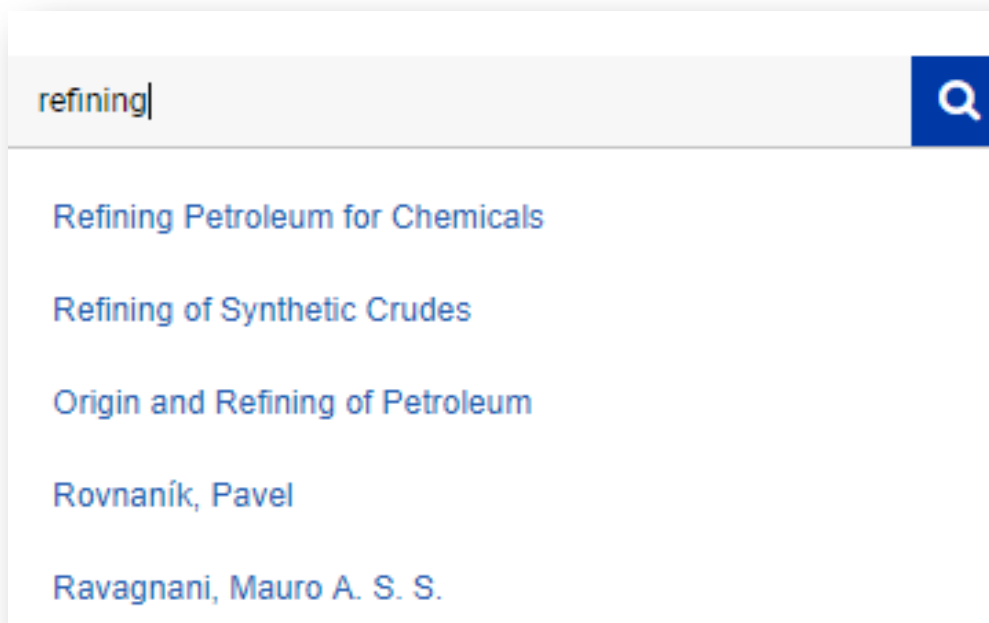
neutron IO<sub>4</sub>, 1 v% EtOH


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。



refining| 

- Refining Petroleum for Chemicals
- Refining of Synthetic Crudes
- Origin and Refining of Petroleum
- Rovnaník, Pavel
- Ravagnani, Mauro A. S. S.

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

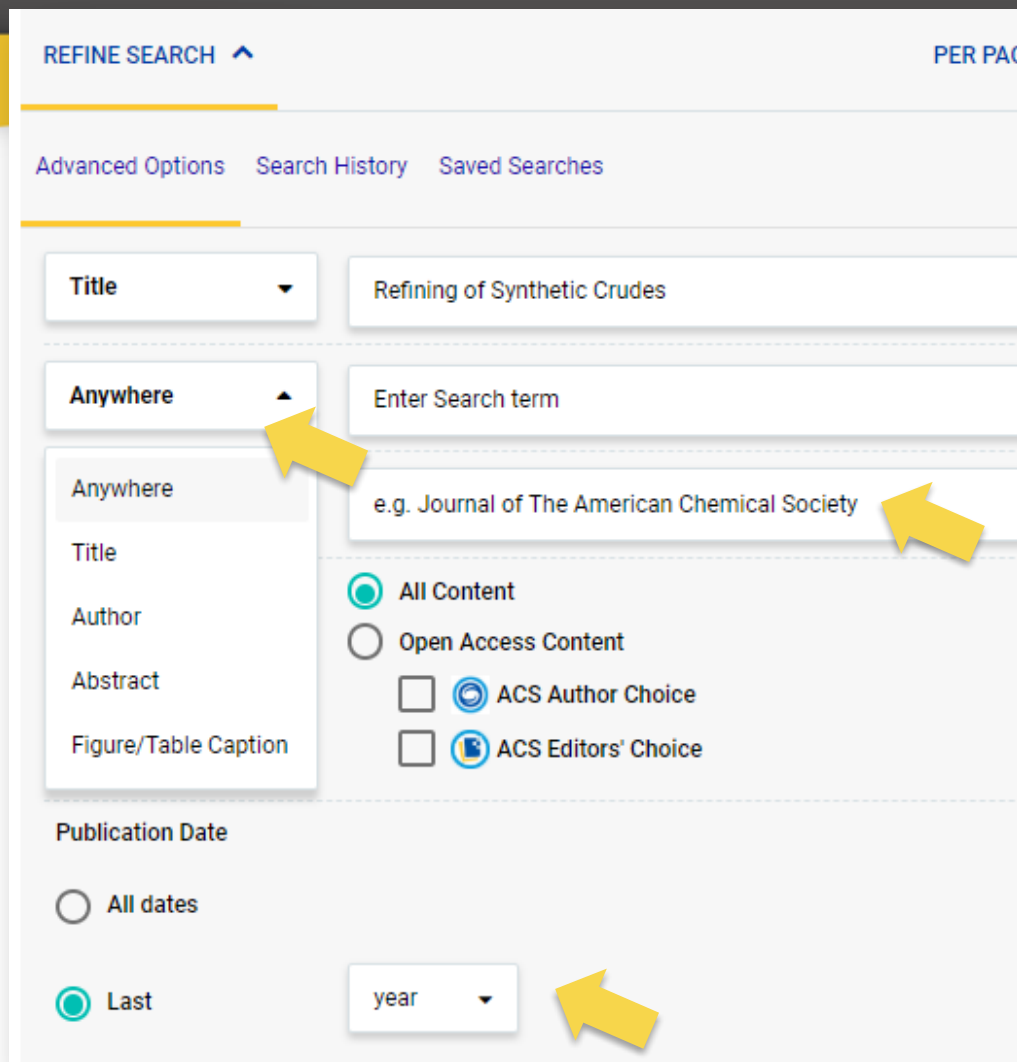
e.g. Journal of The American Chemical Society

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

Publication Date

All dates  
 Last

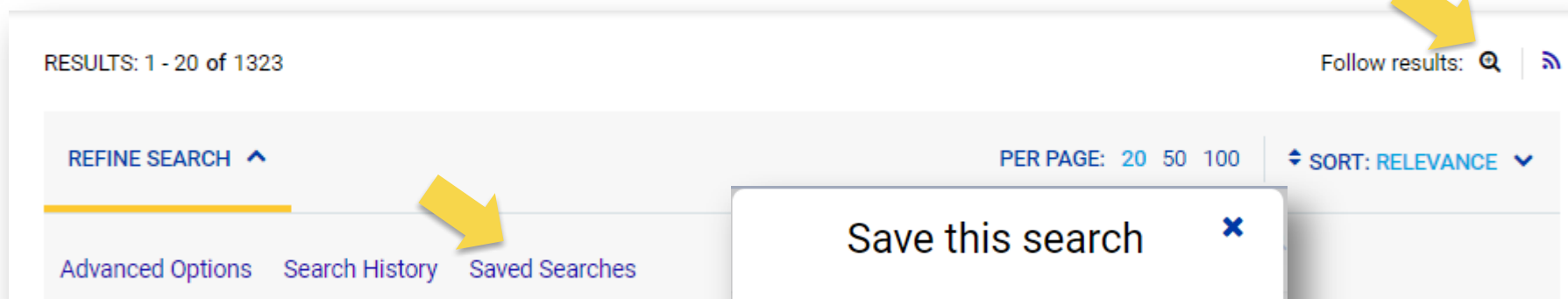
year





## 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 

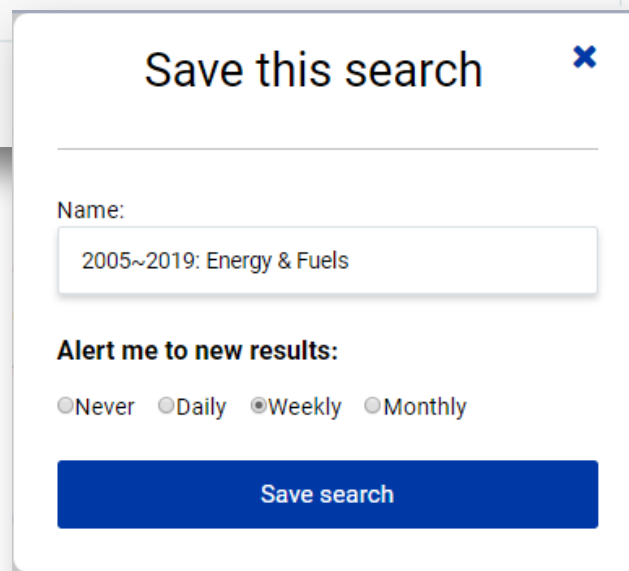
PER PAGE: 20 50 100 | SORT: RELEVANCE 


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

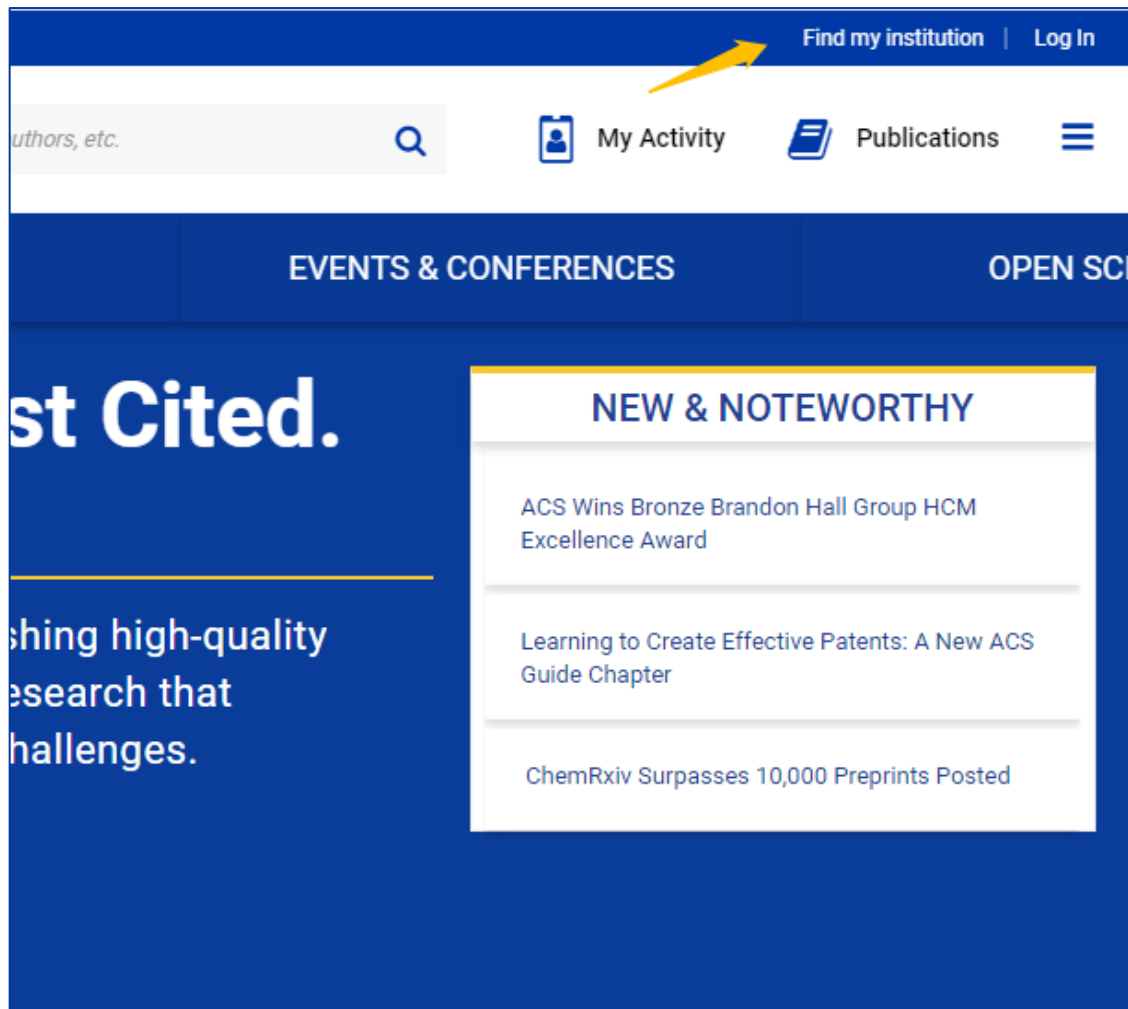


## 6. 远程访问

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. At the top right, there is a navigation bar with the text "Find my institution | Log In". A yellow arrow points to the "Find my institution" link. Below this, there is a search bar with the text "Authors, etc." and a magnifying glass icon. To the right of the search bar are two icons: a person icon labeled "My Activity" and a document icon labeled "Publications". Below the navigation bar, there are two main sections: "EVENTS & CONFERENCES" and "OPEN SCIENCE". The "EVENTS & CONFERENCES" section features a large blue background with the text "Most Cited." and "Publishing high-quality research that challenges." The "OPEN SCIENCE" section features a white background with the text "NEW & NOTEWORTHY" and three articles: "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

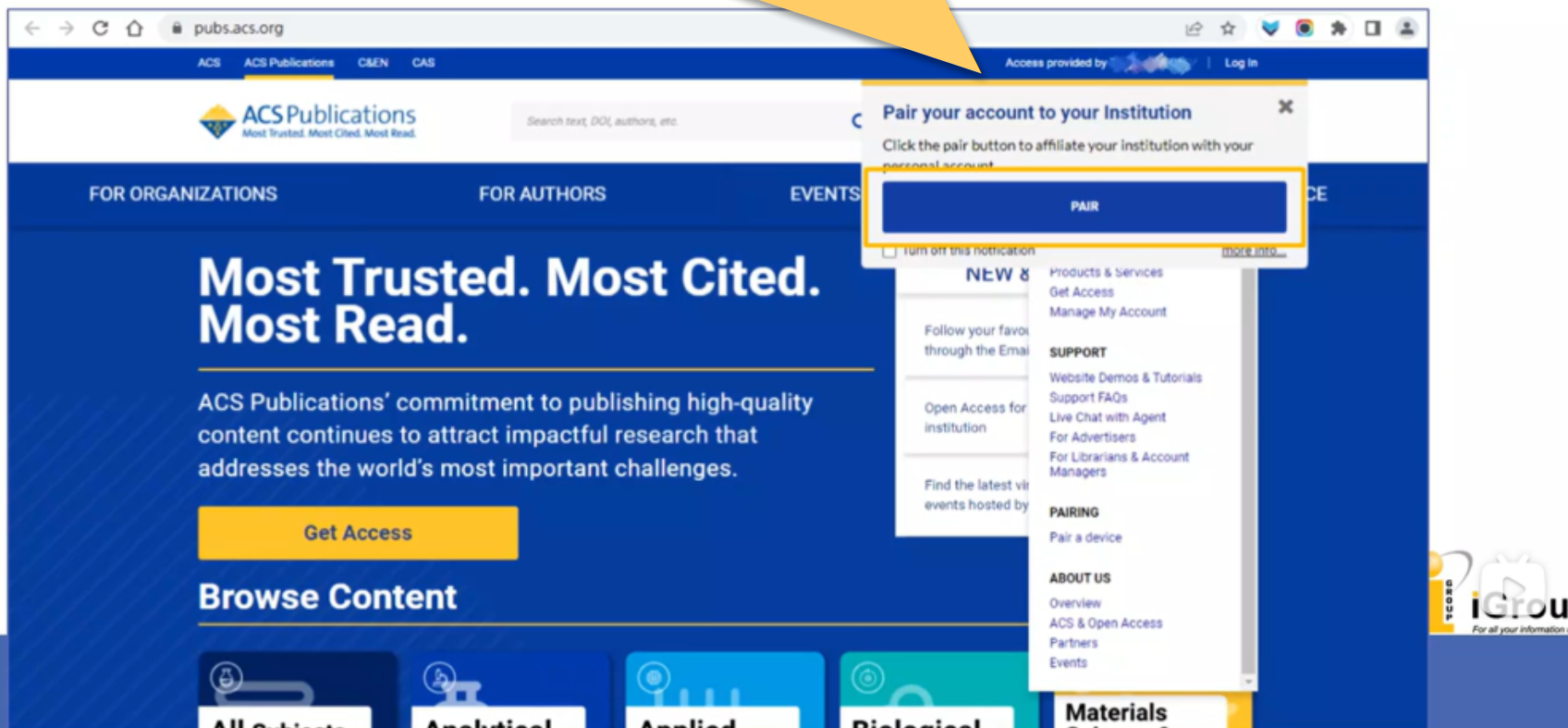
Publishes products and services for the practice and advancement of the chemical sciences.

### 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 main navigation menu with options for "FOR ORGANIZATIONS", "FOR AUTHORS", and "EVENTS". The main content area features the slogan "Most Trusted. Most Cited. Most Read." and a "Get Access" button. A sidebar menu is visible on the right, listing various services and support options.

- \* 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



## 60多种同行评审期刊

-2023年新增文章数超过6万篇

-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](#) (IF已出)

[ACS Applied Energy Materials](#) (IF已出)

[ACS Applied Bio Materials](#) (即时IF已出)

[ACS Applied Polymer Materials](#) (IF已出)

[ACS Applied Electronic Materials](#) (IF已出)

[ACS Materials Letters](#) (IF已出)

[ACS Applied Optical Materials](#) (2022年末上线)

[ACS Applied Engineering Materials](#) (2022年中上线)

② 一种药理学和医学领域期刊：

[ACS Pharmacology & Translational Science](#) (IF已出)

③ 一种以化学职业健康和安全操作为主题的期刊：

[ACS Chemical Health & Safety](#) (回溯至1994年；IF已出)

④ 三种环境科学子刊：

[ACS ES&T Engineering](#) (2021年上线；IF已出)

[ACS ES&T Waters](#) (2021年上线；IF已出)

[ACS ES&T Air](#) (2024年1月正式上线)

[ACS ES&T Air](#) (2023年末上线)

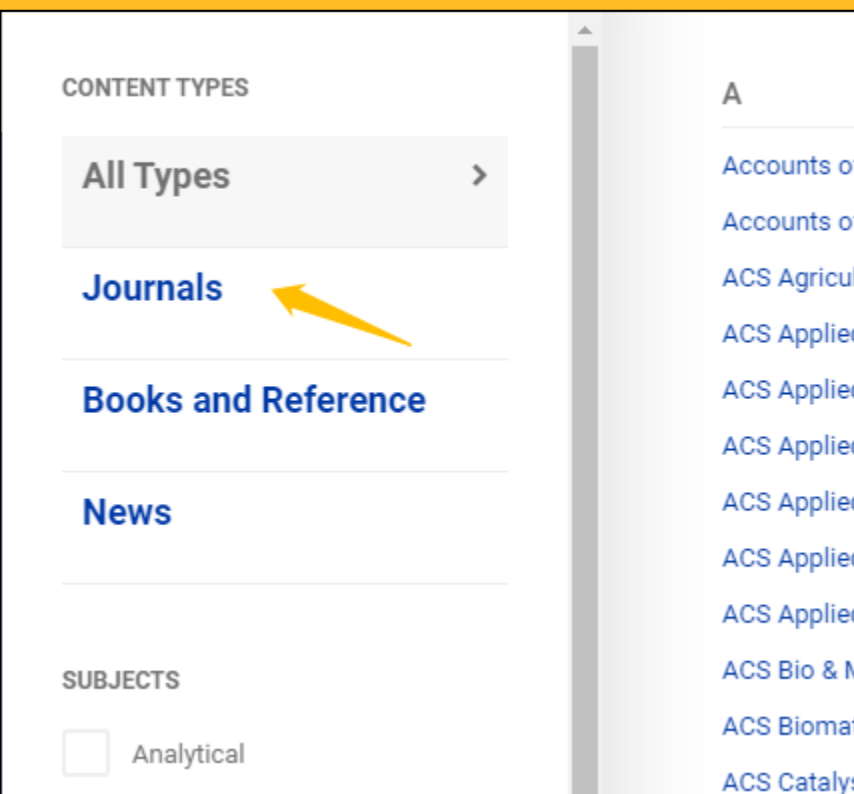
⑤ 两种农学和食品科学子刊：

[ACS Agricultural Science & Technology](#) (2021年上线；IF已出)

[ACS Food Science & Technology](#) (2021年上线；IF已出)

## ACS Publications资源类型

### ■ Journals=期刊

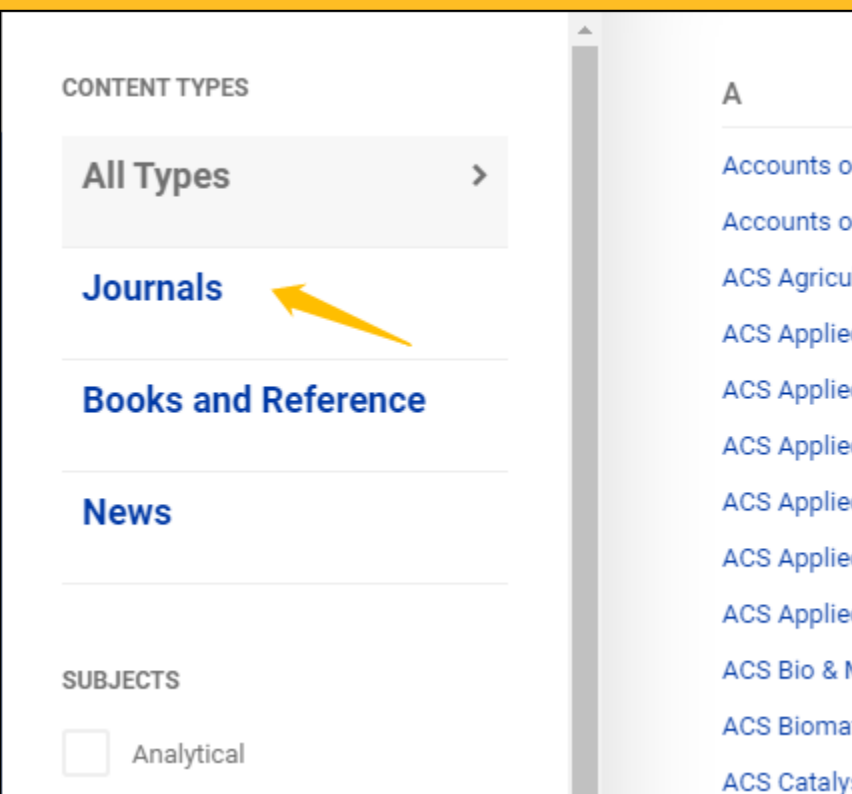


## 60多种同行评审期刊

- 新刊（最早于10月上线待刊文章）

# 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 Materials

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用，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（以下期刊均已获得）：

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 上海科技大学与ACS合办：

[Accounts of Materials Research](#)（材料研究评述）

③ 为学会下属部门专刊提供访问和投稿平台：

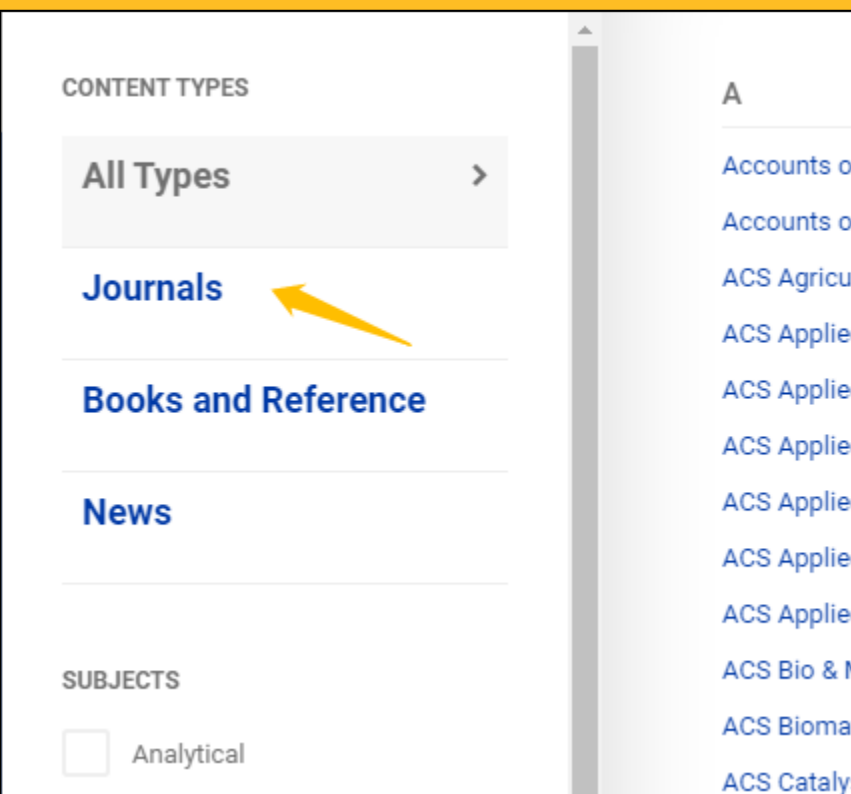
[ACS Chemical Health & Safety](#)（ACS化学职业健康和安全）



扫码查看含影响因子和研究方向的完整期刊列表

## ACS Publications资源类型

### ■ Journals=期刊



The screenshot shows the ACS Publications website interface. Under the 'CONTENT TYPES' section, 'Journals' is highlighted with a blue arrow. Other options include 'All Types', 'Books and Reference', and 'News'. Below this, the 'SUBJECTS' section is partially visible, showing 'Analytical' as a selected category.

# 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*

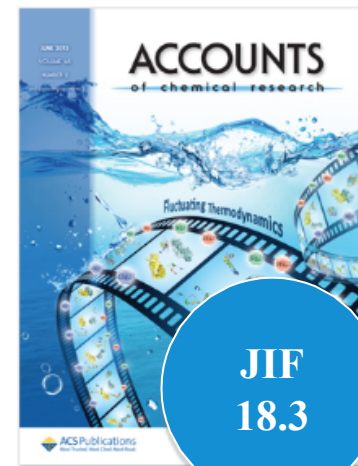


JIF  
15.0

JACS : ACS旗舰刊,  
化学大类中被引次数最多



JIF  
62.1



JIF  
18.3

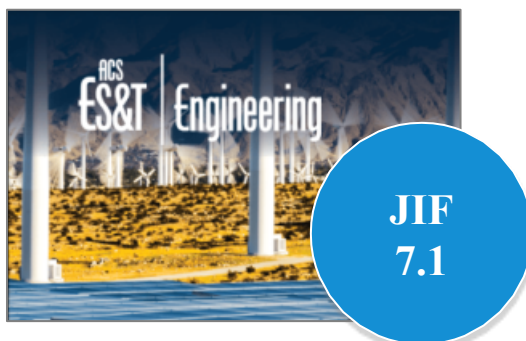
CR : 经典综述刊,  
化学大类中IF最高

## ■ 期刊 - 新刊详解

**ACS ES&T 家族子刊** : 不定期推出多种专题征稿 !



The screenshot shows the ACS ES&T website interface. The main header features the journal title "ENVIRONMENTAL Science & Technology" and the subtitle "An ACS Transformative Journal - learn more". Below this, it lists the Editor-in-Chief as Julie B. Zimmerman and the Editors & Editorial Board. The Impact Factor for 2022 is 11.4, with 249,801 citations and a CiteScore. A dropdown menu titled "Related Journals" is open, listing four sub-journals: ACS ES&T Air, ACS ES&T Engineering, ACS ES&T Water, and Environmental Science & Technology Letters. To the right, a cover image of the journal is shown, labeled "Volume 58, Issue 7, February 20, 2024". At the bottom, there are four navigation buttons: "List of Issues", "ASAP Articles", "Current Issue", and "Authors".



- ✓ 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 ;
- ✓ 水环境污染物的传递和演变过程模拟
- ...



- ✓ 大气中的化学、物理和生物过程
- ✓ 气体物质、气溶胶和云
- ✓ 空气污染对健康和生态系统的影响
- ✓ 空气污染的来源及控制技术和策略
- ✓ 室内空气质量和污染
- ✓ 科学与政策的跨界研究
- ...

## ■ 期刊 - 新刊详解

***ACS Sustainable Resource Management*** : ACS Sustainable Chemistry & Engineering 的姊妹刊



The screenshot shows the journal's website. On the left, the logo for ACS Sustainable Chemistry & Engineering is displayed, along with the Editor-in-Chief Peter Licence and the Editors & Editorial Board. Below this, the 2 Year Impact Factor (2022: 8.4), Citations (2022: 91,529), and CiteScore (2022: 15.3) are listed. A 'Related Journals' dropdown menu is highlighted with a dashed yellow box, and a blue button below it lists 'ACS Sustainable Resource Management'. On the right, a thumbnail of the journal cover for Volume 12, Issue 7, February 19, 2024, is shown. At the bottom, a navigation bar contains four links: 'List of Issues', 'ASAP Articles', 'Current Issue', and 'Authors'.

收录文章主题：

- ✓ 通过将外排物（如废气、污水、固体废物）转换为有用化合物或原料以实现循环的科学和工程
- ✓ 涵盖系统思维、地球界限和基于环境指数的手段的研究，以确保设想的循环方式可在减少环境足迹和毒性方面切实达到可持续性

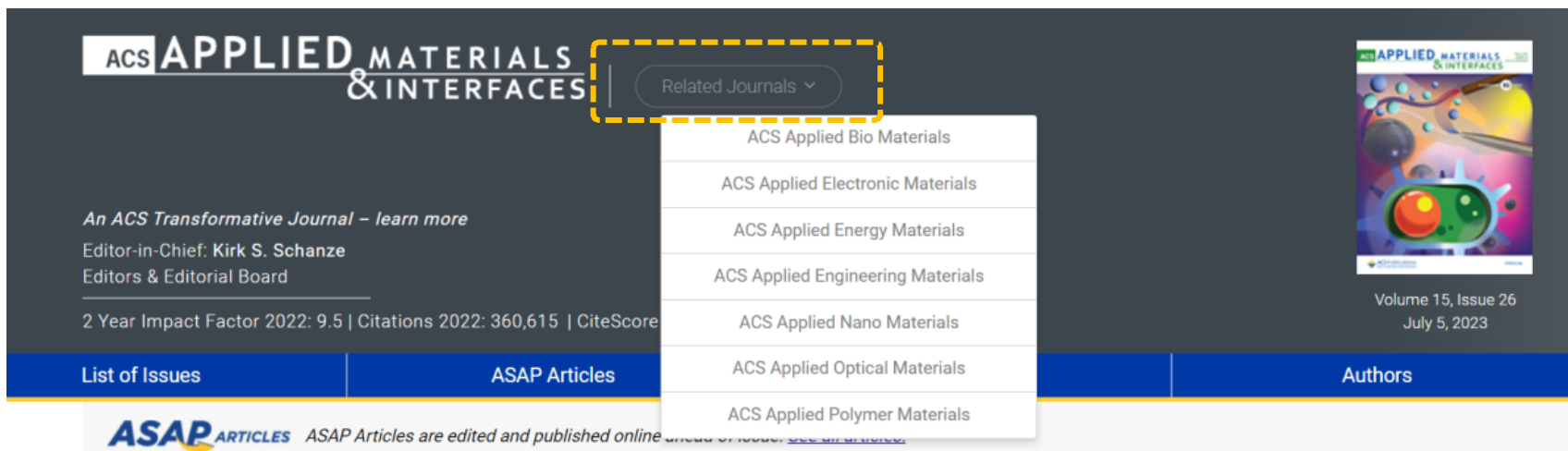


2024  
online



## ■ 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 Engineering Materials
- ACS Applied Nano Materials
- ACS Applied Optical Materials
- ACS Applied Polymer Materials

An ACS Transformative Journal – learn more  
 Editor-in-Chief: Kirk S. Schanze  
 Editors & Editorial Board

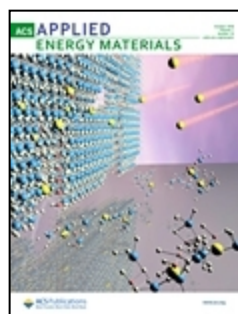
2 Year Impact Factor 2022: 9.5 | Citations 2022: 360,615 | CiteScore

List of Issues | ASAP Articles | Authors

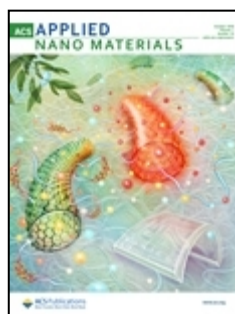
ASAP ARTICLES ASAP Articles are edited and published online



Volume 15, Issue 26  
July 5, 2023



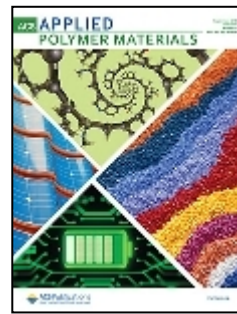
应用能源材料



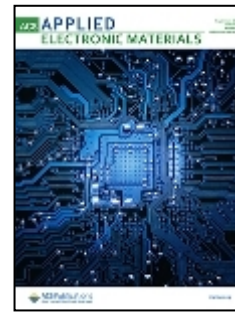
应用纳米材料



应用生物材料



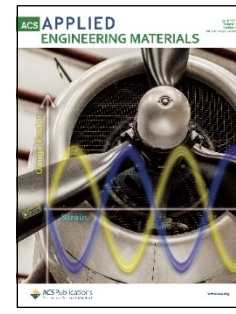
应用高分子材料



应用电子材料



应用光学材料



应用工程材料



## ■ 期刊 - 新刊详解

### *ACS Chemical Health & Safety*



JIF  
3.0

**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* Journal of the American Society for  
**Mass Spectrometry**JIF  
3.2

**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*

与上海科技大学合作出版，是ACS的第一本国际合作期刊。

2020年末创刊，2022年即被ESCI收录，2023年被SCI收录并获得影响因子。

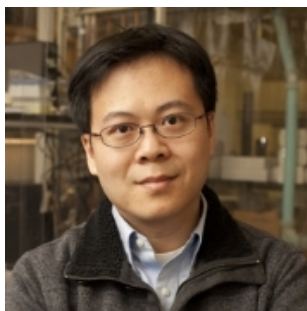
发表简明扼要的评论性综述文章，邀请作者概述材料科学和工程各领域的基础和应用研究，旨在向读者系统地介绍作者的研究工作。

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>



JIF  
14.6



■ 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

## ACS Publications资源类型

### ■ News=新闻杂志

\* 订购高校请通过数据库访问：

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

### 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 Subscribe About **c&enJOBS**

**Cover Story**

Marking 50 years after  
the Cuyahoga conflagration

Credit: City of Cleveland Photo Bureau

**c&en**  
GLOBAL ENTERPRISE

June 17, 2019  
Volume 97, Issue 24

**In this Issue**  
Pages 1-40

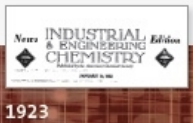
**About this Cover:**  
Cuyahoga conflagration 50 years later  
Firefighters on a bridge over the Cuyahoga River spray water on a tugboat surrounded by flames in November 1952. This picture became famous after Time magazine ran it in 1969 with a story about ecological degradation in the US. Public domain

CURRENT ISSUE PAST ISSUES

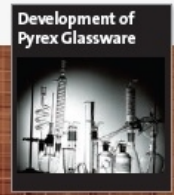
**c&en**  
GLOBAL ENTERPRISE

Delivering  
the future

- 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)



1923



1943



1969



2015



2016

...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，已全部上线)

- Collection 3 (20本，2023下半年起上线)

## 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

## ACS In Focus 系列电子书

- 完整性：从概念、方法到应用完整介绍某一新兴学科
- 跨学科性：介绍新兴学科与化学等传统学科的交叉状况
- 难易适中：可作为本科生、研一、二学生的课外读物

每一章节均附有知识回顾和参考书目！  
文中插入专业术语解释！

## ACS Publications资源类型

### Books and Reference=图书

#### CONTENT TYPES

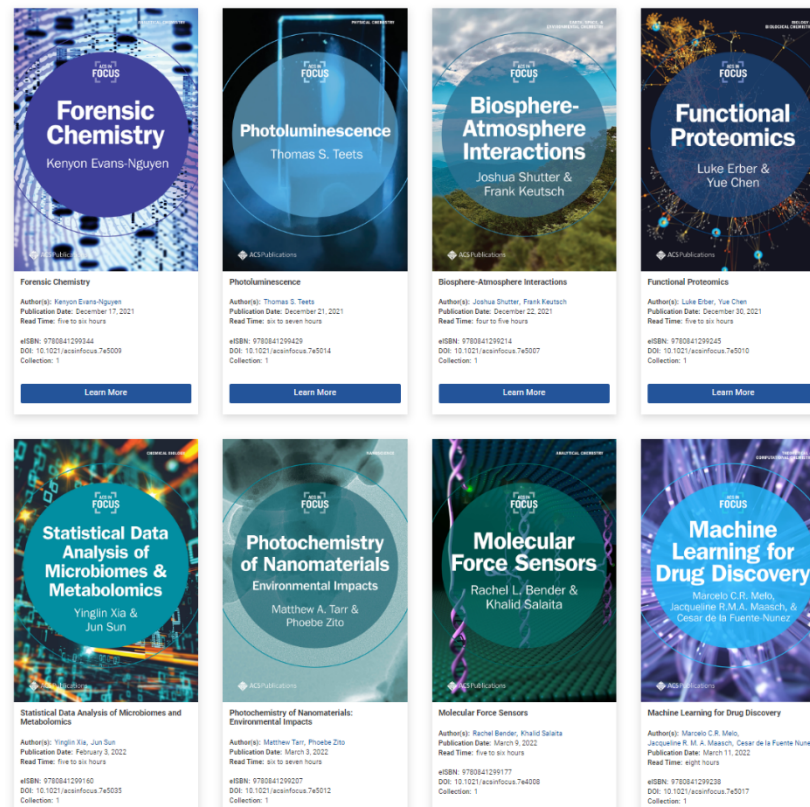
All Types

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

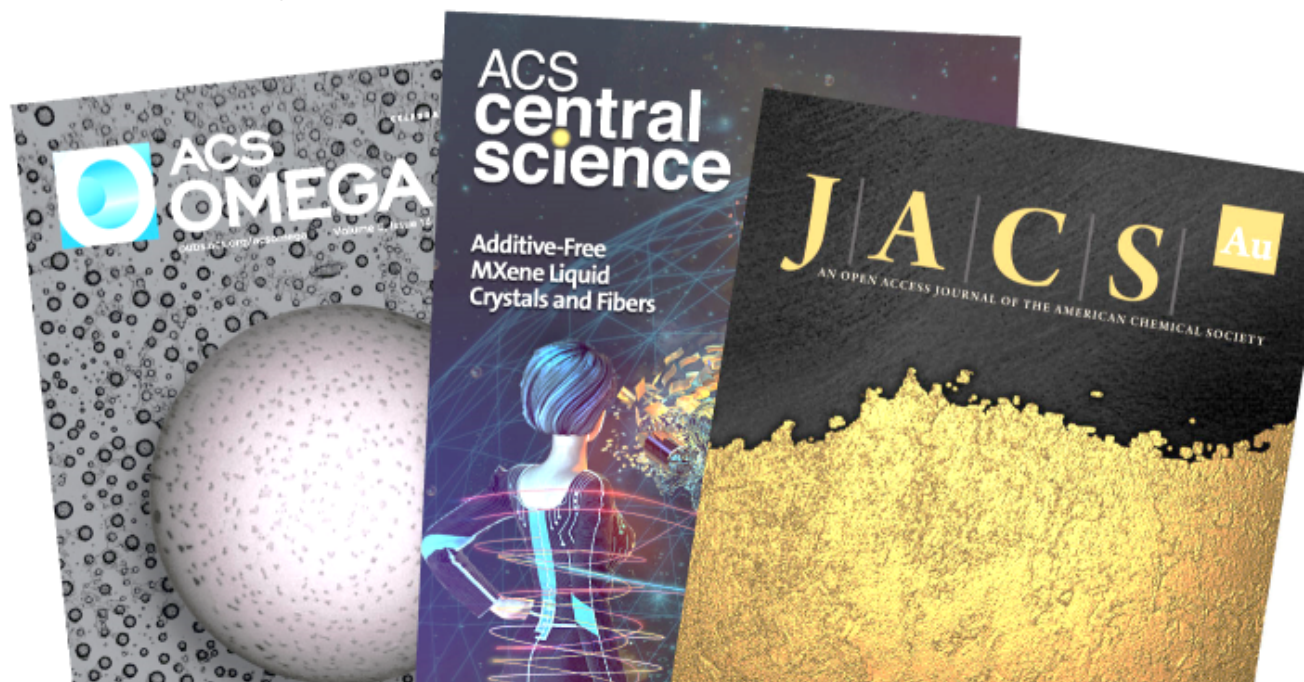




# 开放获取 (OA) 政策

## ■ 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（不收取发表费用），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。
- 2021年起上线Au（金）系列期刊，提供覆盖有机、环境、物理等各个领域的全OA期刊。目前JACS Au和ACS Polymers Au已获得首个影响因子。



- **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。

JIF  
18.2



ACS  
central  
science

Highly selective. Groundbreaking and multidisciplinary. No fees to libraries. No fees to authors. Free for all to read.

ACS  
OMEGA

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

IF  
4.1

- **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IF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。



Publish open access with a full menu of options from ACS.



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



**NIST**  
National Institute of  
Standards and Technology  
U.S. Department of Commerce

- **ACS Editors' Choice** 栏目是由各刊编辑每天挑选一篇高品质的热点研究文章，在一段时间内开放其访问权；
- 作者只需在投稿中允许被该栏目收录，**不产生任何费用**；
- 该栏目可按期刊名称筛选查看文章；新版数据库增加**高访问量文章**和**高被引量文章**两个筛选项！



## ACS Editors' Choice

Based on recommendations from the scientific editors of ACS Journals. [See all articles.](#)



[ACS AuthorChoice](#) 访问入口（栏目文章为限时开放，如有需要，请及时查看！）

# ACS Editors' Choice

### Description:

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- 在涉及化学领域各分支学科的同时，更看重研究的**即时影响力**。
- 遵循JACS的传统，发表对**全球化学群体都具有广泛影响和相关性**的研究。
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