

# ACS数据库学术资源的利用与AI实践指南

安徽工程大学  
2026年4月8日





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# 目录 Content

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2. ACS期刊投稿定位和投稿注意事项
3. ACS期刊审稿流程和同行评审
4. AI工具用于科学交流的实践指南



# ACS数据库平台功能和文献检索



# 美国化学会成立于19世纪

Flagship journal launched in 1879

JOURNAL  
OF THE  
AMERICAN CHEMICAL SOCIETY.

VOLUME I.

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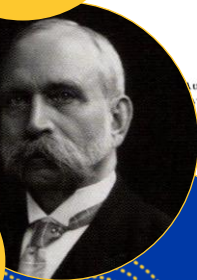
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*J. Am. Chem. Soc.*  
1879 1 (1)  
DOI:10.1021/ja0214  
3a700

Founded in 1876



ACS national charter signed by Franklin Roosevelt in 1937



Headquarters established in 1941



First international chapter established in 1993

# 多样化的期刊组合

## A Diverse Portfolio of Journals

ACS 的很多期刊是跨学科的，涵盖了广泛的研究领域课题的前沿研究成果。

研究需要寻求的答案可能不仅限于一种 ACS 期刊。

ACS 期刊涵盖的学科领域包括但不限于：

- 无机化学
- 有机化学
- 有机金属化学
- 分析化学
- 物理化学
- 理论与计算化学
- 高分子科学
- 化学教育
- 能源
- 催化
- 材料科学
- 纳米科学
- 农业与食品化学
- 生物与药物化学
- 化学工程与工业化学
- 地球、空间与环境化学



# ACS Journals 学术期刊

<https://pubs.acs.org>

出版 80多种高品质的专业科学期刊

2025年 JCR 期刊引证报告: ACS期刊的影响因子中位数为 5.0, 总引用次数超过 470 万。

美国化学会志 JACS 保持在化学领域里是被引用次数最多的期刊。

部分期刊在各自学科领域内是被引用次数最多的期刊之一:

Analytical Chemistry  
Crystal Growth & Design  
Journal of Medicinal Chemistry  
Journal of Agricultural and Food Chemistry



# ACS 数据库主页 [pubs.acs.org](https://pubs.acs.org)

按学科主题的  
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# Journal Homepages 期刊页面

**Journal of the American Chemical Society**

The flagship journal of the American Chemical Society, JACS publishes significant, highly cited articles with broad interest across all chemical science.

Editor-in-Chief: Erick Carreira  
Editors & Editorial Board

2 Year Impact Factor 2024: 15.7 | Citations 2024: 601,485 | CiteScore 2024: 22.5

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October 22, 2025

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卷期列表

ARTICLES ASAP Articles are edited and published online ahead of issue. [See all articles.](#)

**Highly Selective Intermolecular Cross-Coupling Reactions via a Persistent Radical Effect on Ag(111)**

Huaming Zhu, ... and Qing Li\*  
October 25, 2025

**Super-Absorbing Quantum-Confined Cyanine Dyes for Near-Infrared Confocal Imaging of Hierarchical Nephron Structures**

Yuyang Zhang, ... and Youjun Yang\*  
October 25, 2025

**Spin-Polarized Lasing via Ferromagnetic Spin Filtering in Hybrid Perovskites**

Penghao Li, ... and Yong Sheng Zhao\*  
October 25, 2025

**Side-On N<sub>2</sub> Binding by a Heterotetrahedral Cluster**

Adwitiya Singh, ... and  
October 25, 2025

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COMMUNICATION | October 6, 2023

## Three-Component Cross-Electrophile Coupling: Regioselective Electrochemical Dialkylation of Alkenes

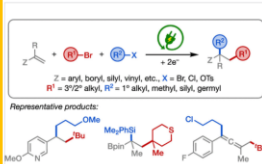
Lingxiang Lu, Yi Wang, Wendy Zhang, Wen Zhang, Kimberly A. See, and Song Lin\*

Open PDF

Supporting Information (1)

### Abstract

The cross-electrophile dialkylation of alkenes enables the formation of two C(sp<sup>2</sup>)-C(sp<sup>3</sup>) bonds from readily available starting materials in a single transformation, thereby providing a modular and expedient approach to building structural complexity in organic synthesis. Herein, we exploit the disparate electronic and steric properties of alkyl halides with varying degrees of substitution to accomplish their selective activation and addition to alkenes under electrochemical conditions. This method enables regioselective dialkylation of alkenes without the use of a transition-metal catalyst and provides access to a diverse range of synthetically useful compounds.



### Acknowledgments

Financial support was provided by NIGMS (R01GM130928, to S.L.) and NSF Center for Synthetic Organic Electrochemistry (CHE-2002158, to K.A.S.). S.L. is grateful to FMC Corporation for a New Investigator Award and the Camille and Henry Dreyfus Foundation for a Camille Dreyfus Teacher-Scholar Award. K.A.S. acknowledges support from the David and Lucile Packard Fellowship for Science. We thank K. R. Meihaus, L. F. T. Novais, J. I. Martinez Alvarado, and J. Rein for manuscript editing, I. Keresztes and D. Wood for assistance in mass spectrometry data collection and analysis, A. J. Ressler, S. J. Lee, and Z. Lu for assistance in substrate synthesis, and J. Liu for reproducing experiments.

### References

This article references 31 other publications.

1. (a) Corey, E. J.; Cheng, X.-M. *The Logic of Chemical Synthesis*; Wiley: New York, 1995.

[Google Scholar](#)

(b) Choi, J.; Fu, G. C. Transition Metal-Catalyzed Alkyl-Alkyl Bond Formation: Another Dimension in Cross-Coupling Chemistry. *Science* **2017**, *356*, eaaf7230. DOI: 10.1126/science.aaf7230

[View](#)

[Google Scholar](#)

2. For recent reviews, see:

(a) Derosa, J.; Apollinar, O.; Kang, T.; Tran, V. T.; Engle, K. M. Recent Developments in Nickel-Catalyzed Intermolecular Dicarbofunctionalization of Alkenes. *Chem. Sci.* **2020**, *11*, 4287–4296. DOI: 10.1039/C9SC06006E

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[Google Scholar](#)

(b) Luo, Y.-C.; Xu, C.; Zhang, X. Nickel-Catalyzed Dicarbofunctionalization of Alkenes. *Chin. J. Chem.* **2020**, *38*, 1371–1394. DOI: 10.1002/cjoc.202000224



Journal of the American Chemical Society  
Cite This: *J. Am. Chem. Soc.* **2023**, *145*, 41, 22298–22304  
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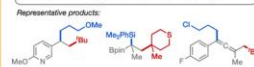
February 1, 2024 | *Journal of the American Chemical Society*  
Jianlin Liu, Jian Rong, Devin P. Wood, Yi Wang, Steven H. Lipson, and Song

Figures

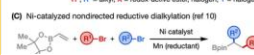
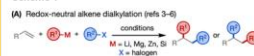
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### Abstract



### Scheme 1



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引文检索，作者名检索

布尔逻辑算符	举例	意义和作用
AND	A AND B AND C	同时包含字段 A B C 的数据 用于查准，缩小范围
OR	A OR B OR C	至少包含 A B C 其中一个字段的数据 用于查全，检索同义词
NOT	A B NOT C	同时包含字段 A 和 B，但排除 C 用于排除某个特定的字段
常用通配符	举例	意义和作用
*	cata*	零个或多个字符：catalysis, catalyzed, ...
?	palla?ium	只代表一个字符：palladium
“ ”	“A B”	精确检索某个特定词组 如果没有“ ”，相当于 A AND B

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### 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

Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example searching for "civil war" will find articles containing that exact phrase.

#### Wildcards

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

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#### Publication Date

Publication date search is designed to:

- Search for the online publication date of all articles.
- If the online publication date is unavailable, it uses the print publication date.

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[Analytical Chemistry](#) [Energy](#) [Organic and Organometallic Chemistry](#)

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**Journals**




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# 选择订阅期刊，进行设置和保存

The screenshot shows the 'Get ACS journal alerts' settings page for the Journal of the American Chemical Society (JACS). The page is divided into two main sections: a left sidebar and a main content area. The sidebar includes a back arrow, the word 'Journals', the title 'Get ACS journal alerts', a brief description of managing email preferences, and the user's login information 'Signed in as: rudy@igroup.com.cn' with a 'Not you?' link. The main content area features the JACS logo, the journal title, and three notification settings, each with a toggle switch and a frequency selection menu. The settings are: 'Get journal news and updates' (toggle on), 'Get an email when a new issue is published' (toggle on), and 'Get an email when new articles are published' (toggle on, frequency set to 'Weekly'). A 'Save changes' button is at the bottom. Yellow callout boxes with Chinese text point to these elements: '自动推送到注册邮箱' (Automatic push to registered email) points to the sidebar; '期刊新闻和更新' (Journal news and updates) points to the first toggle; '每期最新的文章' (Latest articles in each issue) points to the second toggle; '订阅频率：每天/每周/每月进行推送' (Subscription frequency: push daily/weekly/monthly) points to the frequency menu; and '点击保存' (Click to save) points to the 'Save changes' button.

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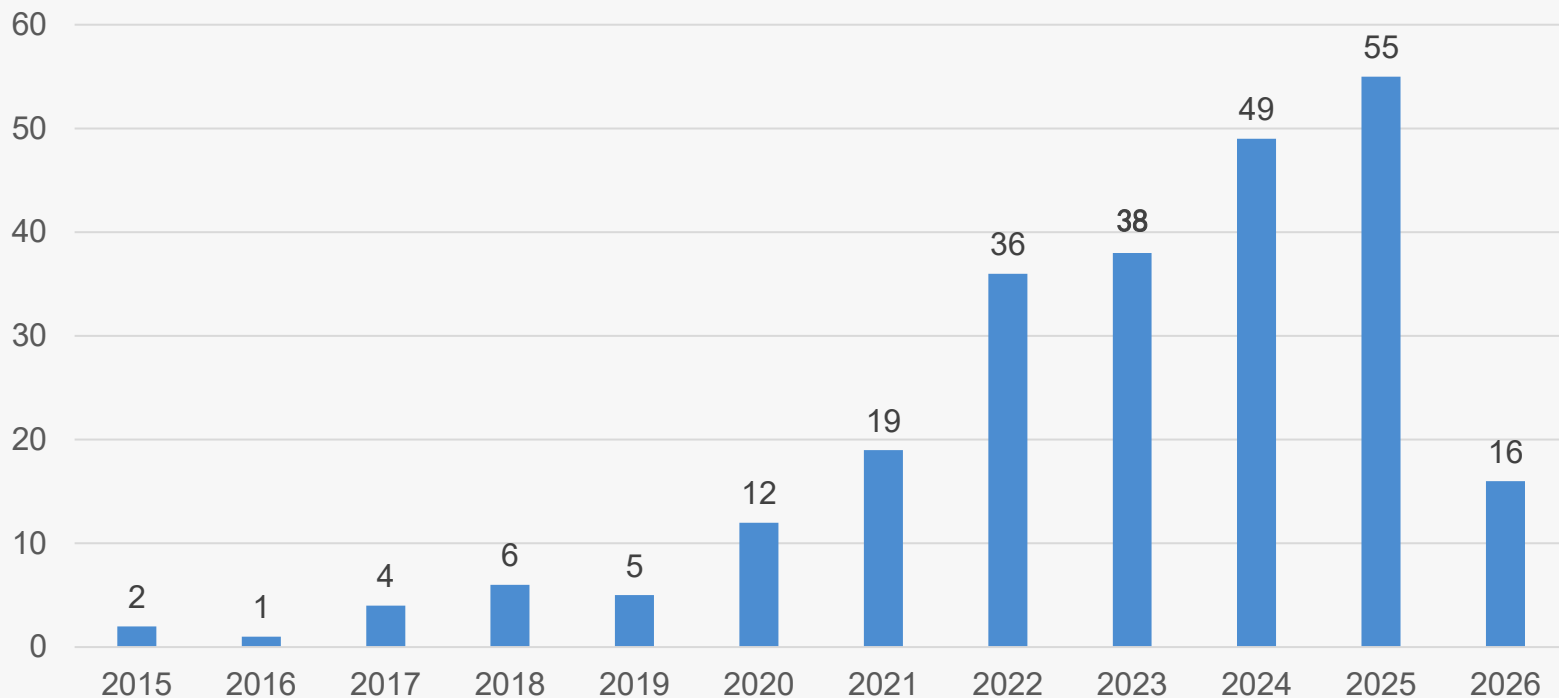
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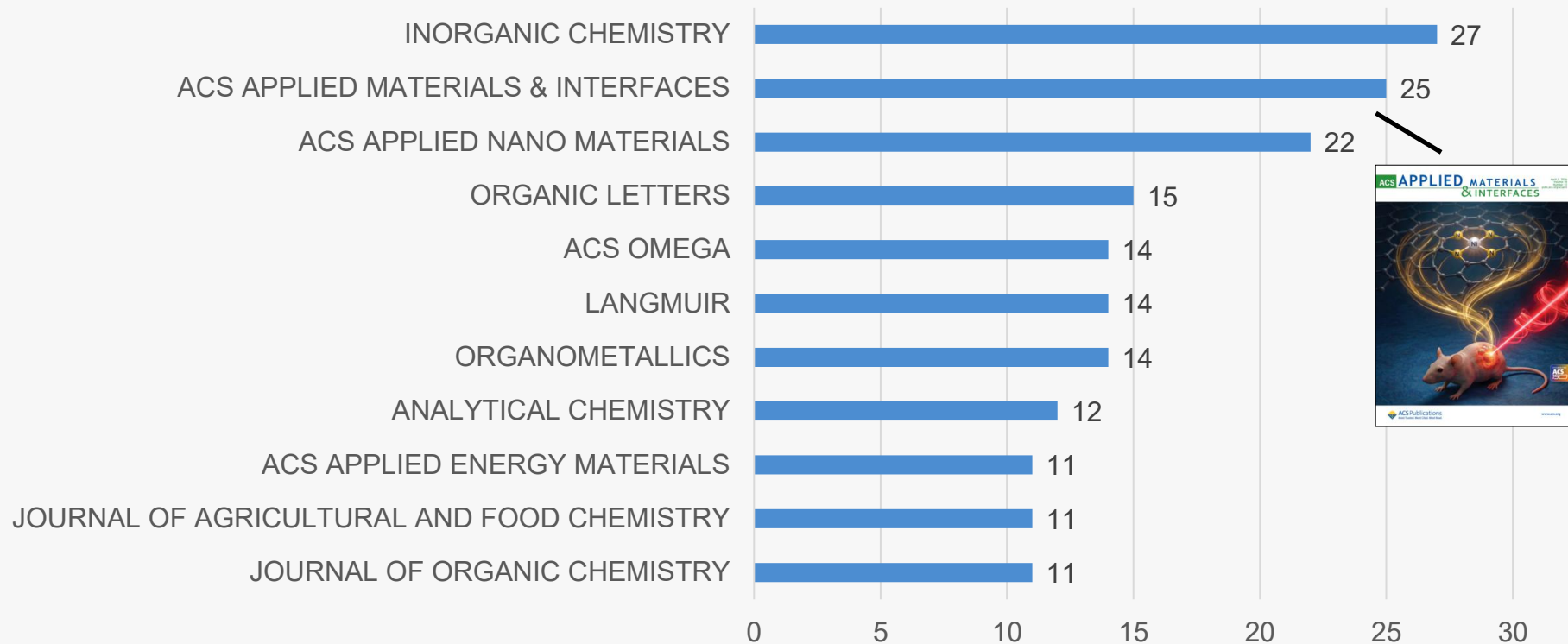


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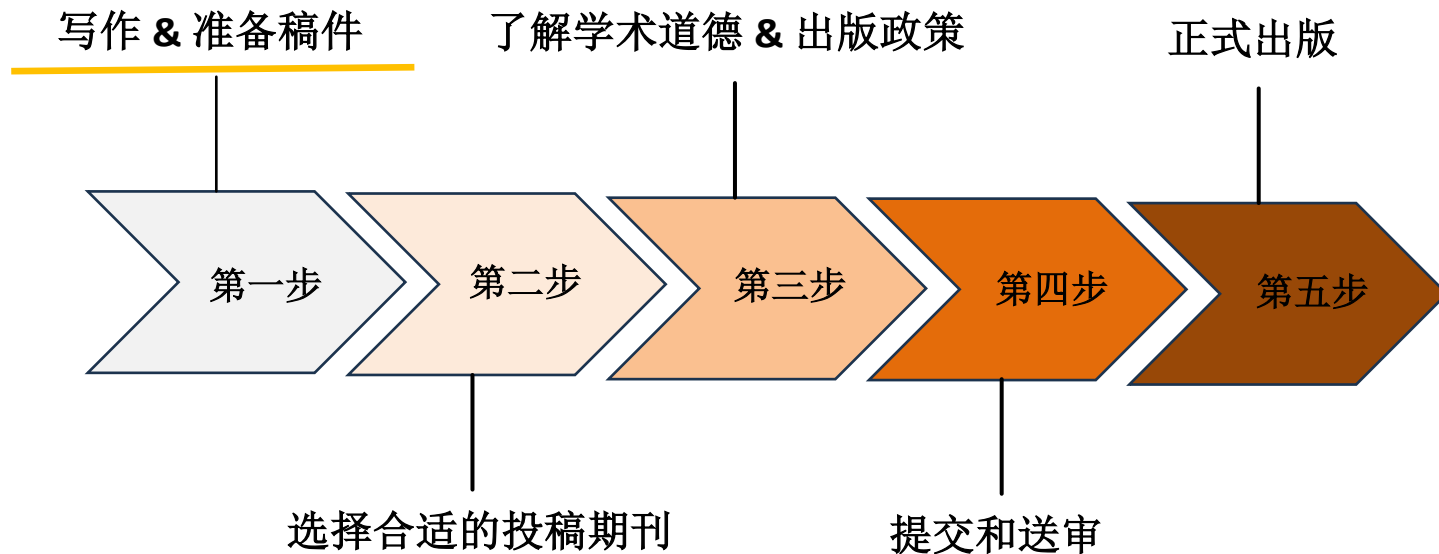
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# ACS Publications 机构发文数据统计



# 期刊投稿流程



# 科技论文写作的基本架构

## 前段

标题

摘要

关键字

## 中段

正文

I 引言  
M 方法  
R 结果  
D 讨论

## 后段

C 结论

SI 资料

致谢

参考文献

# 科技论文写作基本架构——IMRD Structure

## Abstract

Why they did it ?  
How they did it ?  
What did they find ?  
What does it mean ?

## Methods

What experiments were done to  
answer the questions stated in the  
introduction ?

## Discussion

How the results support  
the conclusion ?

## Introduction

What is known about the topic ?  
What is not known ?  
What questions the authors asked and answered ?

## Results

What has been found ?

## Conclusion

What did they find ?  
Better explain them ?  
What is the next ?



## 怎样选择合适的 ACS 期刊进行投稿？

根据研究成果选择不同定位的期刊，即使不是领域顶刊，通常也是本领域的专业科学期刊。



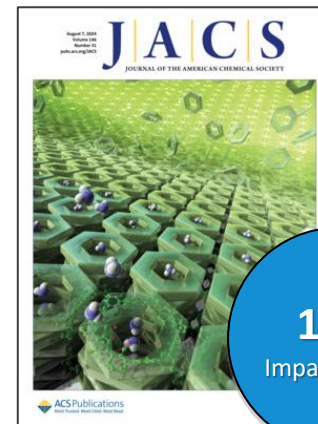
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参考期刊投稿指南 **Author Guidelines** 和期刊范围 **Journal Scope**，自己的研究成果至少需要与之相关。这些信息可以在 **ACS 投稿中心** 找到

<https://publish.acs.org/publish>

# JACS 作者投稿指南的政策解读

1. 最适合发表的是“纯化学”与“应用化学”的论文。
2. 高质量、原创性、重要性和概念上的新颖性的文章，引起广泛的读者兴趣，将优先出版。
3. 方法学的文章应包括一个或多个引起广泛兴趣的应用，除非有重大进展，否则将被拒，并推荐给专业期刊。
4. 先前发表在 JACS 或其它地方的通讯，只包含实验数据，没有大幅扩展范围，没有提供新的见解或概念上的突破，文章将会被淘汰。先前发表的工作的延伸文章也将被拒绝，并通过稿件转送推荐给专业期刊。



15.7  
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比如: JACS, Chemical Reviews, ACS NANO, ACS Catalysis .....

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Diamond open access journal is free for authors and for readers. There is no cost to the author or reader.

**Diamond Open Access Journals** 是钻石级开放获取期刊。

ACS 旗下期刊仅有两种 Diamond Open Access Journals。

钻石级开放获取期刊 不需要作者支付期刊版面费。

**ACS Central Science** is edited by Nobel Laureate Carolyn Bertozzi, publication in this highly selective and prestigious journal is fully sponsored by ACS.

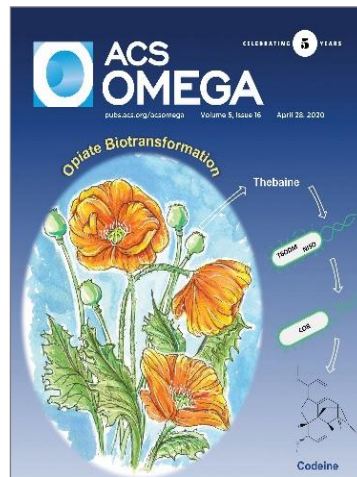
# ACS Journals 期刊的类型

## Journal Scope 跨学科期刊 & 专业科学期刊



Hybrid

The **Journal of the American Chemical Society**, founded in 1879, is the flagship journal of the American Chemical Society and the world's preeminent journal of chemistry and interfacing areas of science.



Gold OA

**ACS Omega** publishes new peer-reviewed findings in chemistry and the interfacing sciences, including interdisciplinary studies.

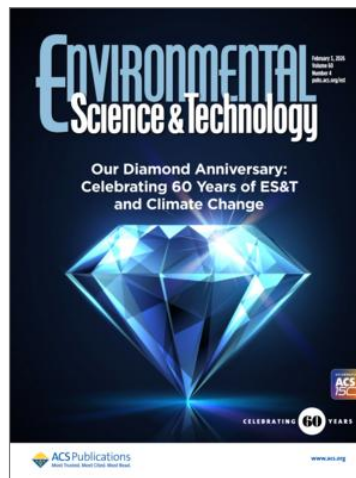
# ACS Journals 期刊的类型

## Journal Scope 跨学科期刊 & 专业科学期刊



The Journal of Organic Chemistry welcomes original contributions of fundamental research in all branches of the theory and practice of organic chemistry.

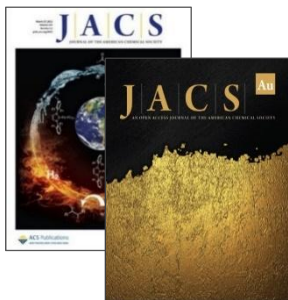
Hybrid



Environmental Science & Technology reports impactful, groundbreaking, world-class research across a diverse range of environmentally relevant topics.

Hybrid

# 材料科学期刊



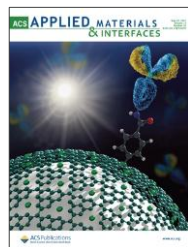
跨学科期刊



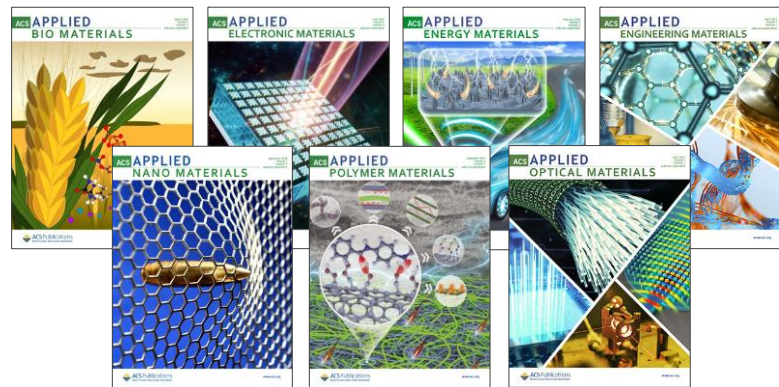
综述期刊



材料化学，生物材料，  
新能源材料，高分子，  
纳米科学，催化科学



ACS AMI  
应用材料&界面



子刊: 生物，能源，纳米，光学材料等

# Manuscript Type 稿件的类型

## Article

**Research Article 研究型文章:** 篇幅较长, 理论推导严格, 全面论述一项研究, 审稿周期长, 强调“系统完整”

## Letter

**Letter/Communication 快报文章:** 篇幅较短, 通常有字数限制, 图表少, 侧重最新发现和初步研究, 审稿快, 强调“新颖快速”

## Review

**Review Article 综述型文章:** 对特定领域的科研主题进行全面且批判的综述总结, 既涵盖成熟的研究领域, 又包含新兴领域和未来的前瞻。通常由编辑部邀请, 欢迎作者提出主题建议。

## Perspective

**Perspective 观点型文章:** 对某个正在发展的新兴领域进行简短回顾和个人评价, 重点是聚焦于对未来的前瞻性和批判性评估, 而非文献报告的汇编总结, 通常由编辑部邀请。

# 提前确认 Letter 论文是否被纳入认可范围



**The Journal of Organic Chemistry** welcomes original contributions of fundamental research in all branches of the theory and practice of organic chemistry.

Hybrid



**Organic Letters** rapidly publishes short reports on creative, innovative organic synthesis, from catalysis to natural products to functional materials.

Hybrid

# 了解学术道德 & 出版政策

The screenshot displays the ACS Publications website interface. At the top left is the ACS Publications logo with the tagline "Most Trusted. Most Cited. Most Read." To the right are navigation links: "Read", "Publish" (highlighted with a dashed blue border), "Subscribe", and "Help". Below the navigation is a large banner with the text "Power your research and learning" and "Discover trusted, authoritative, and inspiring research from outstanding, peer-reviewed". A search bar is present with the placeholder text "Search text, DOI, authors, etc." and a magnifying glass icon. Below the search bar is a link for "Advanced Search". On the right side, a dropdown menu is open under the "Publish" button, listing several options: "Submit a Manuscript", "Author Resources" (highlighted with a red border), "Purchase Author Services", and "Explore Open Access".

ACS Publications  
Most Trusted. Most Cited. Most Read.

Read ▾ Publish ▾ Subscribe ▾ Help ▾

Submit a Manuscript  
Prepare, submit, and track manuscripts

**Author Resources**  
Author guidelines, templates, publishing policies, and more

Purchase Author Services  
Expert editing, formatting, and graphics support

Explore Open Access  
Open access tools, resources, and news

Power your research and learning

Discover trusted, authoritative, and inspiring research from outstanding, peer-reviewed

Search text, DOI, authors, etc.

[Advanced Search](#)


# 了解学术道德 & 出版政策

## Browse ACS Researcher Resources

### Manuscript Preparation and Submission

[Templates and Guidelines](#)  
[Language and Editing Services](#)  
[Artwork Editing Services](#)  
[ACS Paragon Plus](#)  
[File Types Requirements](#)  
[Data Guidelines](#)

### Publishing with ACS

[The Publishing Process](#)  
[Benefits of Publishing with ACS](#)  
[Grants, Fellowships and Awards](#)  
[Book Publications](#)  
[List of ACS Journals](#) 

### Research Sharing and Open Access

[Preprint Policies and Options](#)  
[Open Access](#)  
[Sharing and Promotion Guidance](#)

### ACS Publishing Policies

[Copyrights & Permissions](#)  
[Journal Publishing Agreement \(JPA\)](#)  
[Ethical Guidelines](#)  
[Research Data Policy](#)  
[Posting Policies](#)  
[Publication Ethics](#)  
[Publishing Integrity](#)  
[Special Issue and Guest Editor Guidelines](#)

# 提交稿件 **publish.acs.org**

## ■ ACS Publishing Center 投稿中心

ACS Publishing Center  
Powered by ChronosHub

Home Journals

JZ Jing Zhao  
rudy@igroup.com.cn

**步骤 1**  
选择期刊

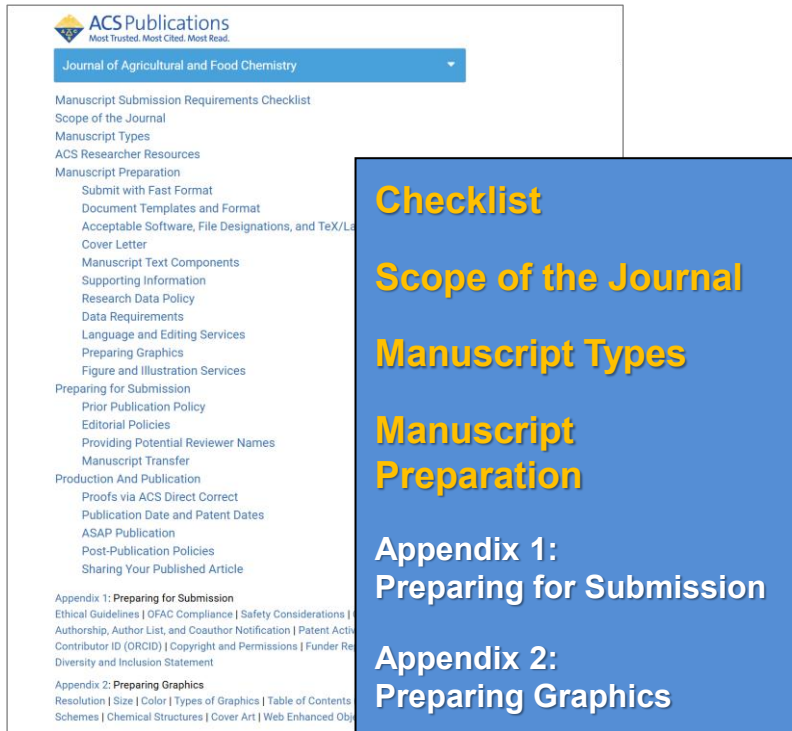
**步骤 2**  
了解期刊信息

**步骤 3**  
了解期刊类型

**步骤 4**  
点击“Submit”  
上传稿件

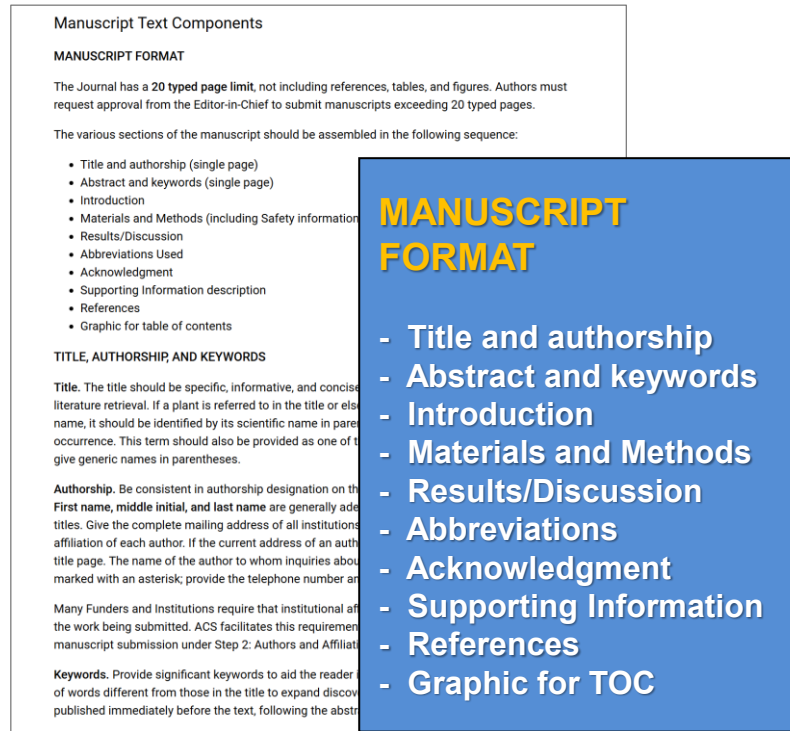
Journal Title	Submission Type	Days to First Response *	CiteScore	Two-Year Impact Factor
ACS Applied Polymer Materials	HYBRID	6.1	7.2	4.4
ACS Bio & Med Chem Au	GOLD OA	9.2	4.1	3.8
ACS Biomaterials Science & Engineering	HYBRID	8.2	10.3	5.4
ACS Catalysis	HYBRID	5.9	20.8	11.3
ACS Central Science	Diamond OA	5.4	25.5	12.7

## ■ 作者投稿指南 Author Guidelines-教你如何准备稿件



The screenshot shows the ACS Publications website for the Journal of Agricultural and Food Chemistry. The navigation menu includes: Manuscript Submission Requirements Checklist, Scope of the Journal, Manuscript Types, ACS Researcher Resources, Manuscript Preparation (with sub-items: Submit with Fast Format, Document Templates and Format, Acceptable Software, File Designations, and TeX/LaTeX, Cover Letter, Manuscript Text Components, Supporting Information, Research Data Policy, Data Requirements, Language and Editing Services, Preparing Graphics, Figure and Illustration Services), Preparing for Submission (with sub-items: Prior Publication Policy, Editorial Policies, Providing Potential Reviewer Names, Manuscript Transfer), Production And Publication (with sub-items: Proofs via ACS Direct Correct, Publication Date and Patent Dates, ASAP Publication, Post-Publication Policies, Sharing Your Published Article), Appendix 1: Preparing for Submission (with sub-items: Ethical Guidelines | OFAC Compliance | Safety Considerations | Authorship, Author List, and Coauthor Notification | Patent Activity | Contributor ID (ORCID) | Copyright and Permissions | Funder Recognition | Diversity and Inclusion Statement), and Appendix 2: Preparing Graphics (with sub-items: Resolution | Size | Color | Types of Graphics | Table of Contents | Schemes | Chemical Structures | Cover Art | Web Enhanced Objects).

**Checklist**  
**Scope of the Journal**  
**Manuscript Types**  
**Manuscript Preparation**  
**Appendix 1: Preparing for Submission**  
**Appendix 2: Preparing Graphics**



The screenshot shows the 'Manuscript Text Components' section. It details the 'MANUSCRIPT FORMAT' (20 typed page limit) and the sequence of sections: Title and authorship, Abstract and keywords, Introduction, Materials and Methods, Results/Discussion, Abbreviations Used, Acknowledgment, Supporting Information description, and References. It also covers 'TITLE, AUTHORSHIP, AND KEYWORDS', 'Authorship' (naming conventions), 'Many Funders and Institutions' (requirements for funding), and 'Keywords' (providing significant keywords).

**MANUSCRIPT FORMAT**

The Journal has a 20 typed page limit, not including references, tables, and figures. Authors must request approval from the Editor-in-Chief to submit manuscripts exceeding 20 typed pages.

The various sections of the manuscript should be assembled in the following sequence:

- Title and authorship (single page)
- Abstract and keywords (single page)
- Introduction
- Materials and Methods (including Safety information)
- Results/Discussion
- Abbreviations Used
- Acknowledgment
- Supporting Information description
- References
- Graphic for table of contents

**TITLE, AUTHORSHIP, AND KEYWORDS**

**Title.** The title should be specific, informative, and concise for literature retrieval. If a plant is referred to in the title or else name, it should be identified by its scientific name in parentheses on first occurrence. This term should also be provided as one of the terms in the title page. Give generic names in parentheses.

**Authorship.** Be consistent in authorship designation on the title page. The first name, middle initial, and last name are generally adequate. Give the complete mailing address of all institutions of affiliation of each author. If the current address of an author is different from the address on the title page, the name of the author to whom inquiries about the manuscript should be marked with an asterisk; provide the telephone number and e-mail address.

**Many Funders and Institutions** require that institutional affiliation information be provided on the title page of the work being submitted. ACS facilitates this requirement by providing a field for institutional affiliation information on the manuscript submission under Step 2: Authors and Affiliations.

**Keywords.** Provide significant keywords to aid the reader in finding the article. Use words different from those in the title to expand discovery. Provide keywords published immediately before the text, following the abstract.

**MANUSCRIPT FORMAT**

- Title and authorship
- Abstract and keywords
- Introduction
- Materials and Methods
- Results/Discussion
- Abbreviations
- Acknowledgment
- Supporting Information
- References
- Graphic for TOC

# 投稿步骤

## Step 1

### Step 1

类型 Type  
标题 Title  
摘要 Abstract

### 类型 Type

研究 Research Article  
快报 Letter  
观点 Perspective  
综述 Review

Submission

Step 1: Type, Title, & Abstract >

## Step 1: Type, Title, & Abstract

Authors are asked to review the [Information for Authors](#), and to adhere to these guidelines when submitting manuscripts.

In publishing only original research, ACS is committed to deterring plagiarism, including self-plagiarism. ACS Publications uses the Crossref Similarity Check Powered by iThenticate to screen submitted manuscripts for similarity to published material. Note that your manuscript may be screened during the submission process. [Learn more](#).



\* = Required Fields

\* Type:

CHOICE	TYPE
<input type="radio"/>	Additions and Corrections
<input type="radio"/>	Article
<input type="radio"/>	Correspondence/Rebuttal
<input type="radio"/>	Letter
<input type="radio"/>	Perspective
<input type="radio"/>	Review

使用 iThenticate  
进行查重检测

# 投稿步骤

## ■ Step 1

### Step 1

类型 **Type**  
标题 **Title**  
摘要 **Abstract**

#### Submission

Step 1: Type, Title, & Abstract >

Step 2: File Upload >

Step 3: Authors & Institutions >

Step 4: Reviewers & Editors >

Step 5: Details & Comments >

Step 6: Review & Submit >

#### \* Title

Preview

0 OUT OF 400 CHAR

标题 **Title**

给自己的文章起一个引人注目的标题。

#### \* Abstract

Write or Paste Abstract

Preview

0 OUT OF 4000 CHARACTERS

摘要 **Abstract**

通常不超过 250 英文单词，具体看稿件要求。

#### Special Issue Selection (By Invitation Only)

If your paper is for a special issue, please select which issue:

Select... ▾

# 投稿步骤

## Step 2

### Step 2

File Upload  
上传文件

**Submission**

- Step 1: Type, Title, & Abstract >
- Step 2: File Upload >**
- Step 3: Authors & Institutions >
- Step 4: Reviewers & Editors >
- Step 5: Details & Comments >
- Step 6: Review & Submit >

**Files** 0.00 OUT OF 244.14 MB

ORDER	ACTIONS	FILE	* FILE DESIGNATION	UPLOAD DATE	UPLOADED BY
No files uploaded					

[Update Order](#) [Remove All Files](#)

**File Upload**

SELECTION	FILE DESIGNATION
<a href="#">Select File 1 ...</a>	* Manuscript File
<a href="#">Select File 2 ...</a>	Choose File Designation ...
<a href="#">Select File 3 ...</a>	Choose File Designation ...
<a href="#">Select File 4 ...</a>	Cover Art
<a href="#">Select File 5 ...</a>	Cover Art Caption
<a href="#">Select File 6 ...</a>	Graphic for manuscript
	Manuscript PDF File
	Other files for Editors only
	<b>Supporting Information for Publication</b>
	Supporting Information for Review Only
	Web Enhanced Object
	.....
<a href="#">Select File 6 ...</a>	Choose File Designation ...

### File Upload

Manuscript (Word/PDF)  
Supporting Information  
Graphic for manuscript  
Web Enhanced Object

# 投稿步骤

## Step 3



### Step 3

Authors  
投稿作者

Submission	
Step 1: Type, Title, & Abstract	>
Step 2: File Upload	>
<b>Step 3: Authors &amp; Institutions</b>	>
Step 4: Reviewers & Editors	>
Step 5: Details & Comments	>
Step 6: Review & Submit	>

### Authors

#### \* Selected Authors


	ORDER	ACTIONS	AUTHOR	INSTITUTION
↑ Drag	1	Select...	<b>Prof. Michael R Buchmeiser</b> <i>(Corresponding Author)</i>  michael.buchmeiser@ipoc.uni-stuttgart.de   0000-0001-6472-5156 ✓	1. Universitat Stuttgart, Institute of Pol Chemistry Pfaffenwaldring 55 Stuttgart, DE D-70569 +49 (0)711-685-64075
↑ Drag	2	Select...	<b>Jing Zhao</b>  rudy@igroup.com.cn   0000-0003-2574-5554 ✓	1.  iGroup shanghai china Xie Tu Road, No.2899 room B-601 Shanghai, CN 200030

 Update Author Order

#### Add Author

Find using Author's email address

 Search

 Previous Step

Save

Save & Continue >

### Selected Authors

至少确定一名作者为本文的通讯作者。

### Add Author

输入作者的邮箱来添加作者。

# 投稿步骤

## Step 4

### Step 4

Reviewers &  
Editors  
审稿人和编辑

#### Submission

- Step 1: Type, Title, & Abstract >
- Step 2: File Upload >
- Step 3: Authors & Institutions >
- Step 4: Reviewers & Editors >
- Step 5: Details & Comments >
- Step 6: Review & Submit >

#### \* Reviewers

RECOMMENDED: 0 OUT OF 4 MIN

ACTIONS	PREFERENCE	REVIEWER	INSTITUTION
---------	------------	----------	-------------

Add Reviewer

Add Reviewer

推荐审稿人

#### Editors

ACTIONS	PREFERENCE	EDITOR	INSTITUTION
---------	------------	--------	-------------

Add Editor

#### Select Editor(s)

SELECT/PREFERENCE	EDITOR	INSTITUTION
<input type="checkbox"/> Select <input type="radio"/> Preferred <input type="radio"/> Not Preferred	Li, Wei-Xue	University of Science and Technology, China Department of Chemical Physics
<input type="checkbox"/> Select <input type="radio"/> Preferred <input type="radio"/> Not Preferred	Ma, Ding	Peking University College of Chemistry and Molecular Engineering

Add Editor(s)

选择某位编辑  
审阅稿件

# 合理推荐审稿人 Suggested Reviewers

## 1. 优秀的审稿人能对稿件提出恰当的改进意见

- 1) 对该领域有广泛的知识 and 理解
- 2) 能对实验，技术或解释进行技术评估
- 3) 能够提供建设性的，公正的，不具有偏见的意见

## 2. 选择审稿人需要避免

- 1) 朋友
- 2) 同事
- 3) 潜在的利益冲突

## 3. 编辑部的选择

编辑有选择地邀请推荐审稿人以及审稿团队的学者，确保公平的审稿过程。

# 投稿步骤

## Step 5

### Step 5

Details &  
Comments  
其它细节信息

#### Submission

Step 1: Type, Title, & Abstract >

Step 2: File Upload >

✓ Step 3: Authors & Institutions >

Step 4: Reviewers & Editors >

Step 5: Details & Comments >

Step 6: Review & Submit >

#### \* Cover Letter

##### Write Cover Letter

Preview

Special Characters

0 OUT OF 32768 CHARACTERS

##### Upload Cover Letter

1. Select File

2. Attach File

#### Funding ⓘ

Is there funding to report for this submission?

Yes  No

#### Funders ⓘ

ACTIONS	FUNDER	GRANT / AWARD NUMBER
---------	--------	----------------------

No Funders Entered

Add Funder

### Cover Letter

写好一封投稿信

### Funding

科研经费的资助来源

# 写好一封投稿信 Cover Letter

Dear Professor XXX ,

稿件标题，提及投稿的期刊

We wish to submit our manuscript “TITLE” for publication in “ACS XXXX Journal” .

研究工作的重点和亮点

**We describe** a new, non-natural enzyme-catalyzed reaction, aziridination of olefins via intermolecular nitrene transfer.

**We discovered** that a variant of cytochrome P450BM3 used in our previous studies of intermolecular sulfimidation also catalyzes aziridination.

**We were able to improve** this activity more than **50-fold** and the enantioselectivity of enzyme-catalyzed aziridination was improved to **99% ee** for a range of styrenyl substrates.

# 写好一封投稿信 Cover Letter

## 为什么自己的研究工作适合该期刊？

This work should be of interest to the broad audience that ACS XXXXX Journal wishes to reach. It touches on evolution ---- how new enzyme Activities can appear and be improved through evolution ---- as well as Inorganic catalysis, biocatalysis, and chemical synthesis.

## 稿件作者是谁？谁是通讯作者？

Name of the Corresponding Author, postal and e-mail addresses, telephone

## 拒稿重投，或转投其它期刊的时候，附上审稿意见。

A point-by-point response to reviewer comments  
(for resubmissions and transfers after peer review)

# 投稿步骤

## Step 5

### Step 5

Details &  
Comments  
其它细节信息

#### Submission

Step 1: Type, Title, & Abstract >

Step 2: File Upload >

Step 3: Authors & Institutions >

Step 4: Reviewers & Editors >

Step 5: Details & Comments >

Step 6: Review & Submit >

#### Open Access Mandates

\* Are you expected to comply with [Open Access](#) mandates? If Rights Retention Strategy language is included in the manuscript, be advised a fee may apply. [Learn more about ACS Open Science.](#)

Yes

No

Open Access  
Mandates

开放获取授权

#### Conflict of Interest

\* Do you have any competing and/or relevant financial interest(s) to disclose? (Please see the [ACS Ethical Guidelines.](#))

Yes

No

Conflict of  
Interest

利益冲突

#### Previous Submission

\* Has this manuscript in whole or in part been previously submitted to the *Journal of Agricultural and Food Chemistry*, *ACS Agricultural Science & Technology*, and/or *ACS Food Science & Technology*?

Yes

No

Previous  
Submission

稿件是否重投

# 投稿步骤

## Step 6

### Step 6

Review &  
Submit  
系统审核提交

Submission	
Step 1: Type, Title, & Abstract	>
Step 2: File Upload	>
✓ Step 3: Authors & Institutions	>
Step 4: Reviewers & Editors	>
Step 5: Details & Comments	>
Step 6: Review & Submit	>

## Step 6: Review & Submit

Review the information below for correctness and make changes as needed. **The manuscript PDF proof at the bottom of this page must be reviewed before completing your submission. Please click 'SUBMIT' to complete your submission.**

\* = Required Fields

### \* Verify Step Information

✗ Step 1: Type, Title, & Abstract [Edit](#)

#### ⚠ Please attend to the following:

- Title is missing.
- Abstract text is required.

FIELD	RESPONSE
-------	----------

Manuscript Type	Article
-----------------	---------

Title	<b>INCOMPLETE</b>
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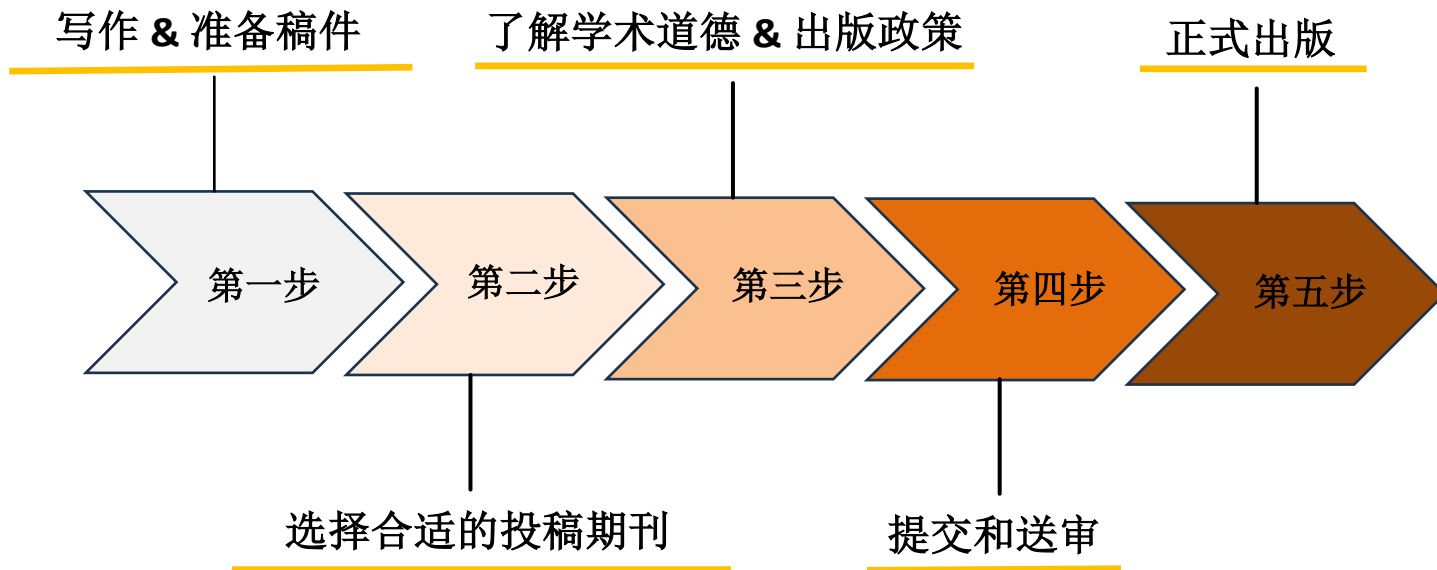
Abstract	<b>INCOMPLETE</b>
----------	-------------------

#### Special Issue Selection (By Invitation Only)

If your paper is for a special issue, please select which issue:

# 期刊投稿流程

文章更正-校对稿件-出版信息确认  
即将发表 **ASAP Publication**  
分享发表的文章到 **Social Media**



同行评审 **Peer Review**

审稿决定 **Provide a Decision to Author**

# ACS期刊审稿流程和同行评议知识



# Publishing Process



开展科研实践



论文写作



期刊投稿



同行审稿人  
进行评审



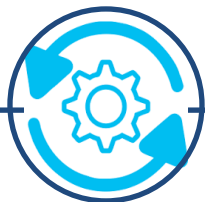
副编辑审稿



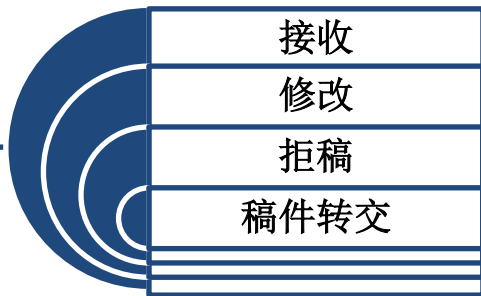
主编初审



稿件检测



审稿人意见  
编辑决定



编辑校正  
数字出版

# 编辑初审 Editorial Review (Pre-Screening)

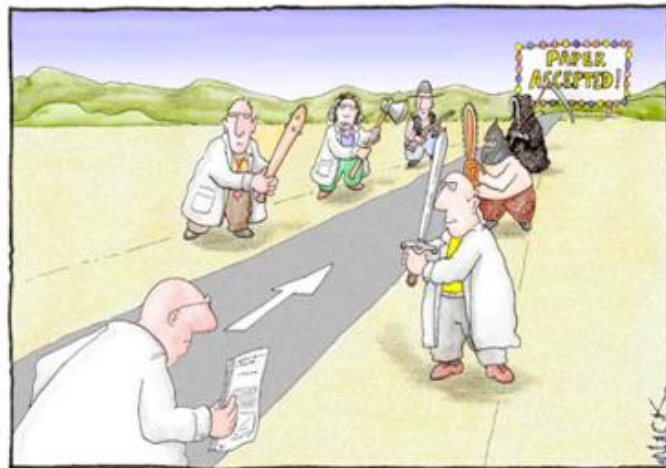
- Scope 符合范围
- Scientific merit 科学价值
- Significance 意义和重要性

## 初审之后，快速做出决定：

- Peer Review Process 外审
- Immediately Reject 拒稿

## 初审的作用：

- 避免稿件堆积
- 做出快速回复



Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

# 审稿人评审 External Review

## 1 符合范围 **Appropriate Scope**

The work should resonate with the journal's target audience, which improves its chances for reaching its intended readers.

## 2 新颖原创 **Novelty/Urgency**

The manuscript should be original and provide insight into a challenging problem or fundamental issue, advancing the discipline in a timely way. Avoid reporting just an incremental improvement with a slightly different set of conditions.

## 3 技术要求 **Technical Validity**

The research should be well designed, and the experiments, data collection and interpretation should be completed at a high level.

## 4 稿件质量 **High Quality**

The manuscript should be clear, concise, and formatted correctly. If the writing is confusing and contains grammatical errors, reviewers may be unable to judge the scientific quality.

# 回复评审意见

## 1. 仔细阅读编辑决定和审稿人评语

Read the decision letter and reviewer comments.

## 2. 及时回复，注意时间期限，回复每一条评语并注明改动

Be timely!

Respond to each comment, noting what changes (if any) were made.

If you cannot complete a revision by the deadline, contact the editorial office to request an extension.

## 3. 如果有不同意见，请用科学的语言回复 (特殊情况：申诉)

If you disagree with a comment, that is okay – but make sure the editor understands why you disagree. Use science to back up your argument.

# 作者与同行评审资源



## ACS Author Lab

- Free course to enhance submitted manuscripts and avoid errors that lead to delays in publication

免费线上培训课程，帮助提升稿件质量，避免因错误而影响出版时程。



## ACS Reviewer Lab

- Free peer-review training course designed by ACS editors/experts offering real-life guidance

由ACS编辑及专家设计的免费在线同行评审培训课程，提供实际情境的指导。



## Authoring Services

- English editing, formatting, figure services and translation by Ph.D.-level subject matter experts

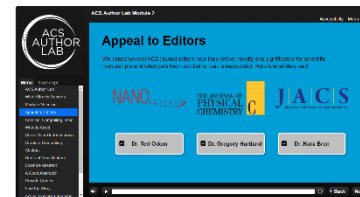
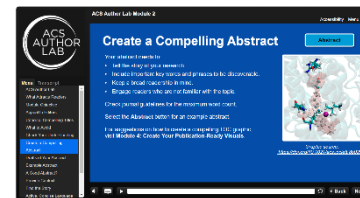
由博士级专业领域专家提供英文编修、排版、图表服务及翻译。

# ACS Author Lab

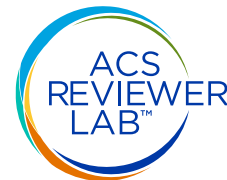


ACS Author Lab是由8个学习模块组成的免费在线学习课程，帮助学习者有效掌握撰写和发表稿件的重要知识。模块内容包括：

- Selecting the right journal
- Showcasing the significance of your work
- Effectively describing your research
- Creating publication-ready visuals
- Finalizing your manuscript and preparing for submission
- Navigating the revision process
- Adhering to ethical guidelines
- An academic writing approach for multilingual authors



# ACS Reviewer Lab



## 开始使用 ACS 审稿人实验室



ACS Reviewer Lab是专为科研人员开发的、免费的同行评审在线学习课程，包含6个互动模块，支持中英文双语。

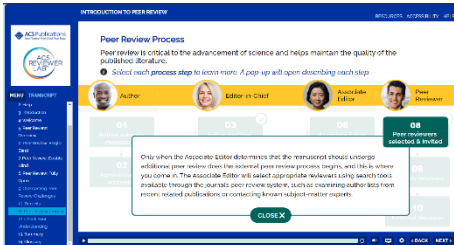
课程涵盖同行评审的知识要点和最佳实践，帮助提升科学学者的评审能力，深入了解期刊编辑对高质量文章的要求，以掌握写作和响应建设性评论的必备知识。



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# AI工具用于科学交流的实践指南



# 向 ACS 投稿时，AI 工具可被视为文章作者或合作者吗？



## Ethical Guidelines to Publication of Chemical Research

The guidelines embodied in this document were revised by the Editors of the Publications Division of the American Chemical Society in February 2023.

### Preface

The American Chemical Society serves the chemistry profession and society at large in many ways, among them by publishing journals which present the results of scientific and engineering research. Every editor of a Society journal has the responsibility to establish and maintain guidelines for selecting and accepting papers submitted to that journal. In the main, these guidelines derive from the Society's definition of the scope of the journal and from the editor's perception of standards of quality for scientific work and its presentation.

An essential feature of a profession is the acceptance by its members of a code that outlines desirable behavior and specifies obligations of members to each other and to the public. Such a code derives from a desire to maximize perceived benefits to society and to the profession as a whole and to limit actions that might serve the narrow self-interests of individuals. The advancement of science requires the sharing of knowledge between individuals, even though doing so may sometimes entail forgoing some immediate personal advantage.

With these thoughts in mind, the editors of journals published by the American Chemical Society now present a set of ethical guidelines for persons engaged in the publication of chemical research, specifically, for editors, authors, and manuscript reviewers. These guidelines are offered not in the sense that there is any immediate crisis in ethical behavior, but rather from a conviction that the observance of high ethical standards is so vital to the whole scientific enterprise that a definition of those standards should be brought to the attention of all concerned.

We believe that most of the guidelines now offered are already understood and subscribed to by the majority of

- The co-authors of a paper should be all those persons who have made significant scientific contributions to the work reported and who share responsibility and accountability for the results. Authors should appropriately recognize the contributions of technical staff and data professionals. Other contributions should be indicated in a footnote or an "Acknowledgments" section. An administrative relationship to the investigation does not of itself qualify a person for co-authorship (but occasionally it may be appropriate to acknowledge major administrative assistance). Deceased persons who meet the criterion for inclusion as co-authors should be so included, with a footnote reporting date of death. No fictitious name should be listed as an author or coauthor. The author who submits a manuscript for publication accepts the responsibility of having included as co-authors all persons appropriate and none inappropriate. The submitting author should have sent each living co-author a draft copy of the manuscript and have obtained the co-author's assent to co-authorship of it.

## Part B. Ethical Obligations of Authors | Ethical Guidelines to Publication of Chemical Research

截图来源：《化学研究出版伦理准则》  
第二部分“作者道德义务”

## Author Guidelines



Journal of the American Chemical Society

Important Manuscript Submission Requirements and Notices

Scope of the Journal

Manuscript Types

ACS Publishing Center

Manuscript Preparation

Submit with Fast Format

Document Templates and Format

Acceptable Software, File Designations, and TeX/LaTeX

Cover Letter

Manuscript Text Components

Supporting Information

Research Data Policy

Data Requirements

Language and Editing Services

Preparing Graphics

Figure and Illustration Services

Preparing for Submission

Prior Publication Policy

Editorial Policies

Providing Potential Reviewer

Manuscript Transfer

Production and Publication

Proofs via ACS Direct Correct

Publication Date and Patent D

ASAP Publication

Post-Publication Policies

Sharing Your Published Article

Appendix 1: Preparing for Submission

Ethical Guidelines | OFAC Compliance | Safety Considerations | Conflict of Interest Disclosure | Plagiarism |

Authorship, Author List, and Coauthor Notification | Patent Activities and Intellectual Property | Open Researcher and

Contributor ID (ORCID) | Copyright and Permissions | Funder Reporting Requirement | Open Access Compliance |

Appendix 2: Preparing Graphics

Resolution | Size | Color | Types of Graphics | Table of Contents (TOC) | Abstract Graphic | Figures | Charts | Tables |

Schemes | Chemical Structures | Cover Art | Web Enhanced Objects (WEO)

Criteria for authorship can be found in Part B of the [Ethical Guidelines to Publication of Chemical Research](#). Artificial intelligence (AI) tools do not qualify for authorship. The use of AI tools for text or image generation should be disclosed in the manuscript within the Acknowledgment section with a description of when and how the tools were used. For more substantial use cases or descriptions of AI tool use, authors should provide full details within the Methods or other appropriate section of the manuscript.

## Author Guidelines | Appendix 1: Preparing for Submission | Authorship, Author List, and Coauthor Notification

截图来源：ACS 期刊“作者指南”附录 1：投稿前准备  
作者身份、作者名单及合作者通知

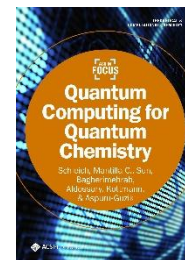
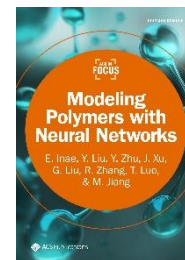
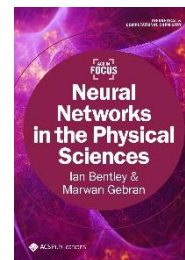
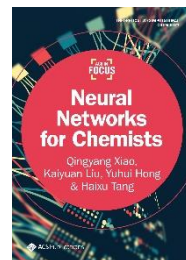
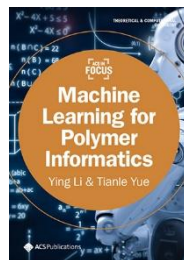
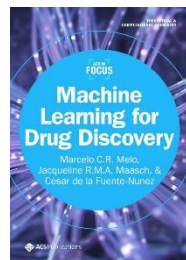
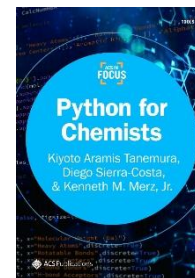
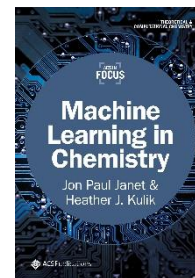
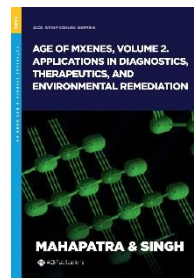
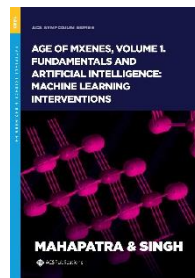
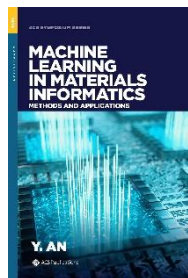
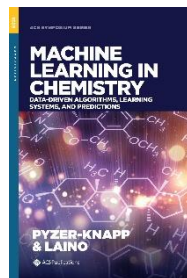
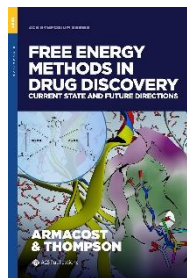
## 对于使用 AI 语言机器人进行科学交流的一些建议

- **提醒合作者与自己，ChatGPT 模型的输出只是最初的草稿**  
Remind your coauthors, and yourself, that the output of the ChatGPT model is merely a very early draft, at best.
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Do not use text verbatim from ChatGPT.
- **任何由 AI 机器人 / ChatGPT 推荐的引用都需要通过原始文献进行验证**  
Any citations recommended by an AI bot/ChatGPT need to be verified with the original literature.
- **不要让 ChatGPT 扼杀您的创造力和深度思考**  
Do not allow ChatGPT to squelch your creativity and deep thinking.

## 对于使用 AI 语言机器人进行科学交流的一些建议

- **不要将 ChatGPT 或任何其它基于 AI 的机器人列为共同作者**  
Do not include ChatGPT or any other AI-based bot as a co-author.
- **在致谢和实验部分中明确您使用 AI 机器人 / ChatGPT 准备稿件**  
In the Acknowledgments and experimental sections, your use of an AI bot/ChatGPT to prepare your manuscript.
- **ChatGPT 不能对任何陈述或伦理违规负责**  
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# 探索AI化学前沿：核心电子书速览



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