

# 美国化学会ACS期刊投稿与写作

厦门大学  
2024年10月23日



# 目录 Content

1. ACS 数据库期刊最新动态

2. 期刊科技论文的基本架构和写作要点

3. ACS期刊投稿方法和注意事项

4. ACS期刊审稿流程和同行评议知识



# ACS 数据库期刊最新动态







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# ACS Journals 学术期刊

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2024年 JCR 期刊引证报告: ACS期刊的影响因子中位数为 4.8, 总引用次数超过 440 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



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# WE COVER EVERY ASPECT OF CHEMISTRY

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  
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能源 催化  
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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



# Journal of the American Chemical Society 美国化学会志

2023 Impact Factor: 14.4 | Citations: 568,265

美国化学会志 **JACS** 创刊于 **1879** 年，是美国化学会出版的第一本期刊和旗舰期刊，也是世界上所有化学和科学交叉领域的杰出期刊。

**JACS** 是化学领域里被引用次数最多的跨学科化学期刊，目前每年发表大约 **2500** 篇科研文章，每周出版一期。

发表化学各个领域里顶尖的基础和应用研究成果。

期刊收录研究方向：化学，跨学科化学  
Indexed in: CAS, SCIE, Scopus, PubMed, etc.





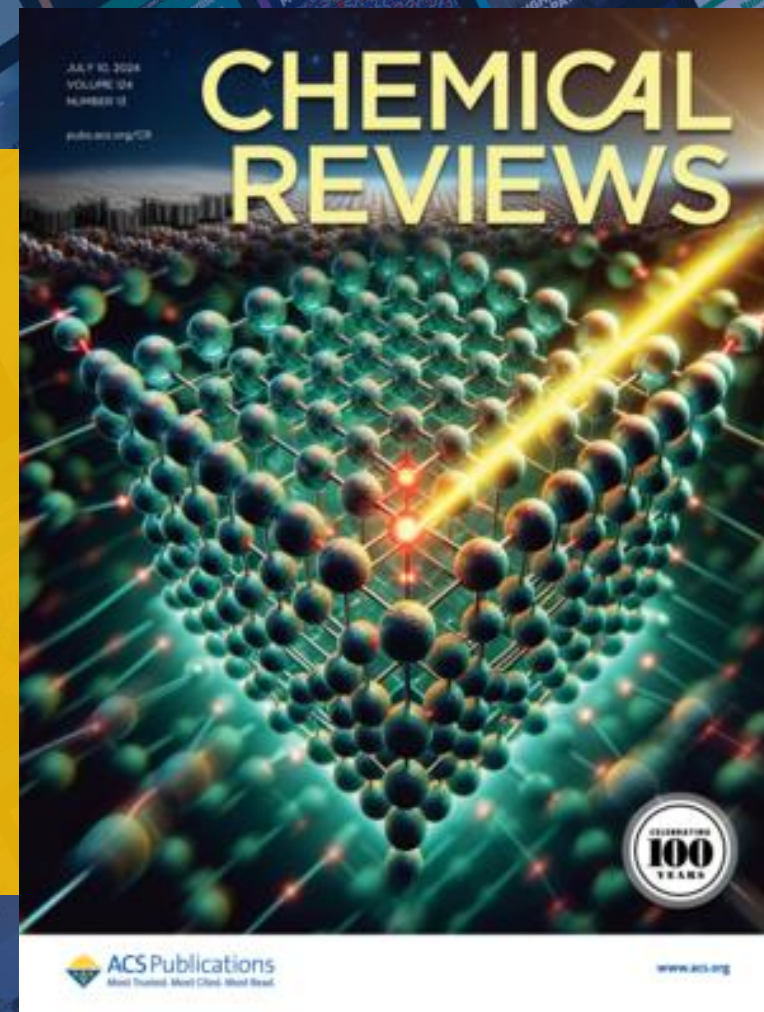
# Chemical Reviews 化学评论

2023 Impact Factor: 51.4 | Citations: 230,794

**Chemical Reviews** 是最受推崇同时也是排名最高的期刊之一，涵盖了化学学科所有的研究领域，为有机化学，无机化学，物理化学，分析化学，理论化学和生物化学各领域的重要研究提供全面，权威，关键和可读性强的综述文章。

除了综述文章以外，期刊定期出版权威专题，重点关注新兴研究领域的单一主题或方向。

期刊收录研究方向：化学，跨学科化学  
Indexed in: CAS, SCIE, Scopus, PubMed, etc.





# Organic-Inorganic Chemistry 有机与无机化学

## ■ The Journal of Organic Chemistry

有机化学领域的著名期刊

## ■ Organic Letters

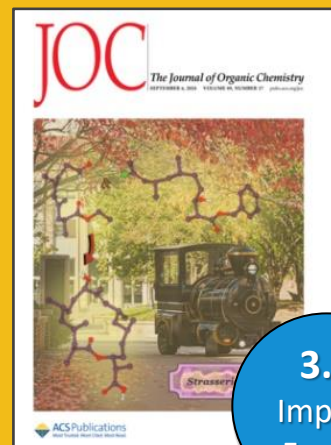
有机化学被引用次数最多的期刊之一

## ■ Inorganic Chemistry

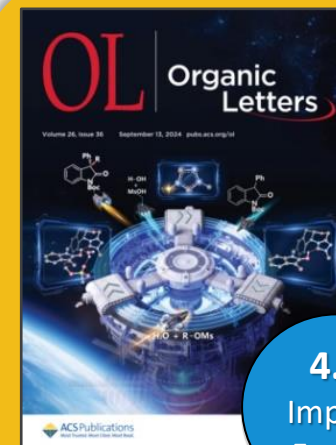
无机化学领域被引用次数最多的期刊

## ■ Crystal Growth & Design

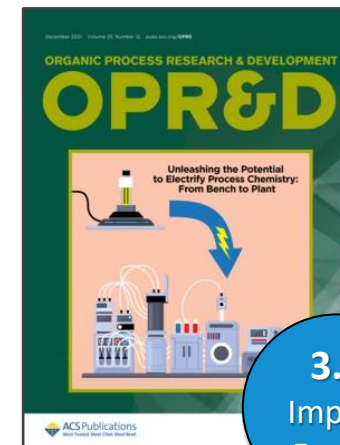
晶体学领域被引用次数最多的期刊



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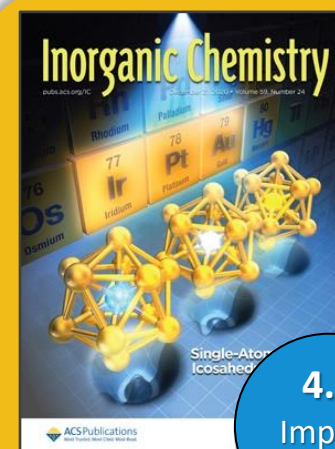
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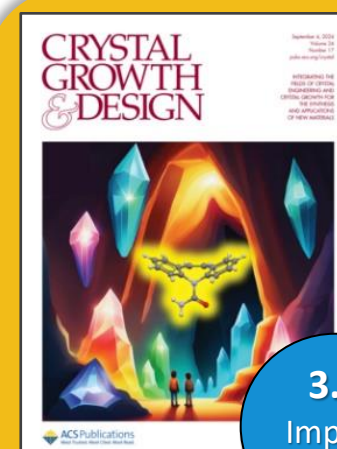
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2.5  
Impact  
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4.3  
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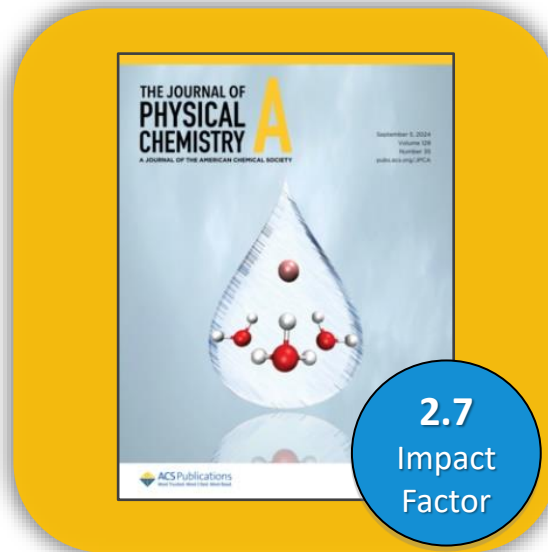


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Impact  
Factor

# Physical Chemistry 物理化学

## The Journal of Physical Chemistry A

分子、离子、自由基、团簇和气溶胶物理化学的实验、理论和计算研究

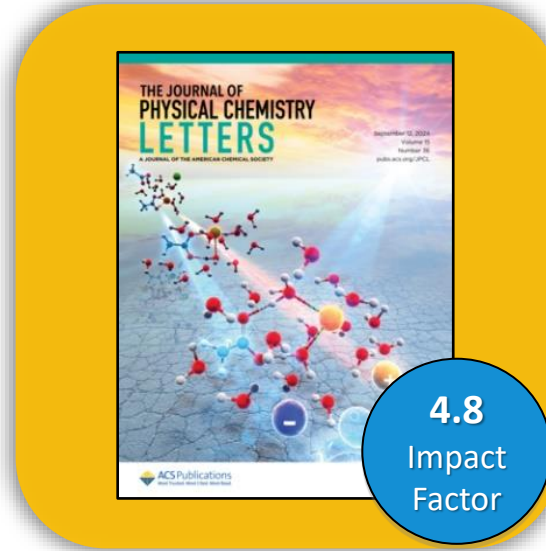


## The Journal of Physical Chemistry B

生物物理、生物化学、生物材料和软物质领域的实验、理论和计算研究

## The Journal of Physical Chemistry C

纳米、低维和块状材料物理化学的实验、理论和计算研究;界面的化学转变;以及能量转换和储存



## The Journal of Physical Chemistry Letters

物理化学领域的快报类期刊



# Analytical Chemistry 分析化学

2023 Impact Factor: 6.7 | Citations: 153,592

**Analytical Chemistry** 是分析化学领域被引用次数最多的同行评审期刊，收录了分析化学所有分支的原创研究。

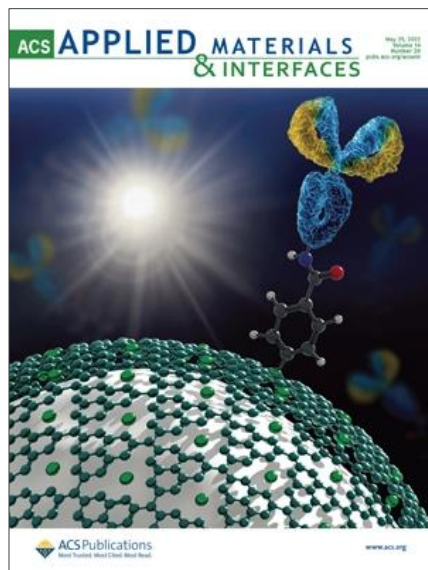
研究方向包括但不限于生物分析化学、生物工程、化学分析、环境科学、鉴证和医学。主题通常包括化学反应和选择性、化学计量学与数据处理、电化学、元素与分子表征、成像、仪器、质谱、微米/纳米尺度系统、组学、传感、分类、光谱学和表面分析。论文中若采用已有的分析方法，则应该阐述该分析方法的重要用途及显著提升，或者有重要分析物。

期刊收录研究方向：化学，分析化学  
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# Applied Materials Science & Engineering 应用材料系列期刊



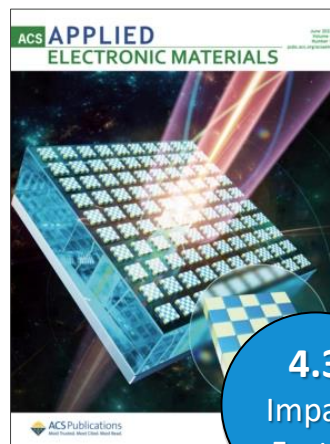
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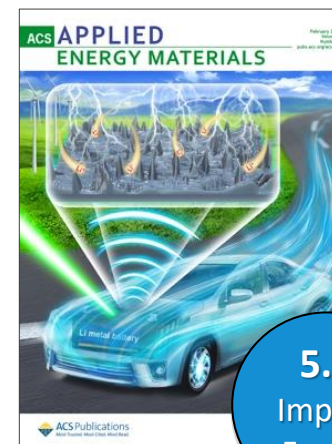
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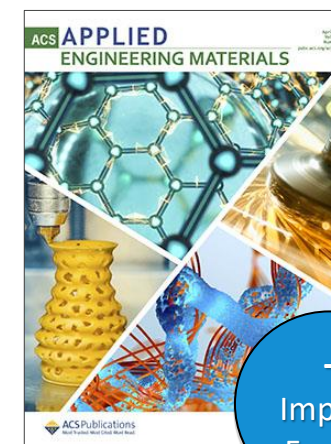
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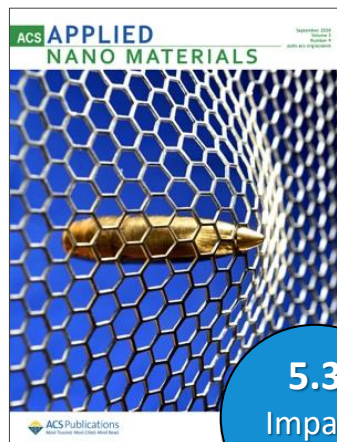
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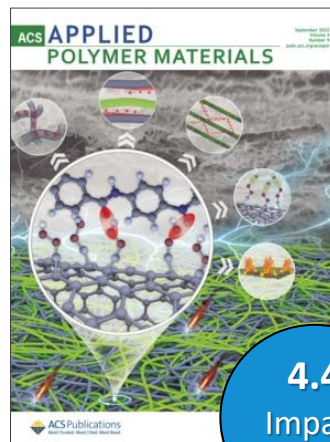
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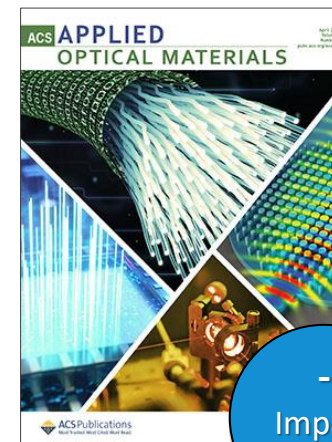
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**5.3**  
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**4.4**  
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电子材料 Electronic

能源材料 Energy

工程材料 Engineering

纳米材料 NANO

聚合材料 Polymer

光学材料 Optical



# ACS Catalysis 催化领域的权威期刊

2023 Impact Factor: 11.3 | Citations: 130,342

1. 催化各个分支领域（均相催化、多相催化、酶催化）的多学科催化科学研究。
2. 报导催化研究进展，具有独特的催化反应性能，在分子或原子级别上理解催化机理的研究。
3. 强调采用通用的标准（转换率、转换数和选择性）表征催化剂。

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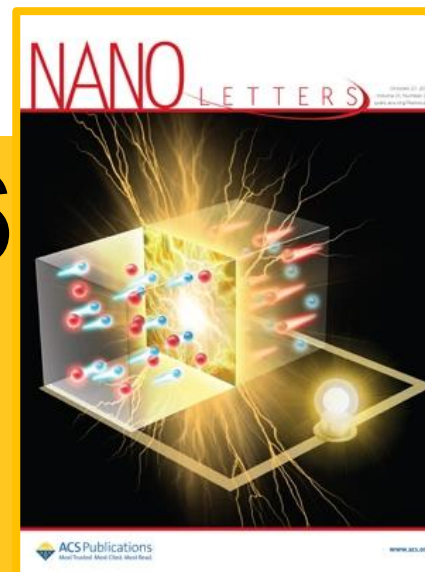
**15.8**

IMPACT FACTOR

**9.6**

## ■ NANO LETTERS

快速报告是刊载纳米科学和技术所有领域的基础、应用和新兴研究成果的期刊。符合其范围的主要标准之一是至少融合两个不同领域或学科。





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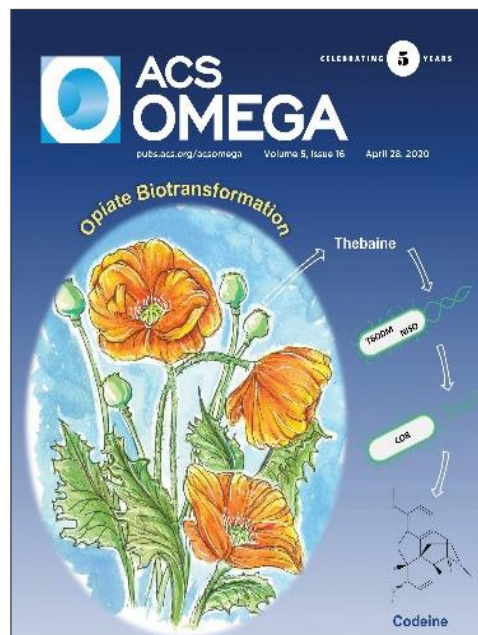


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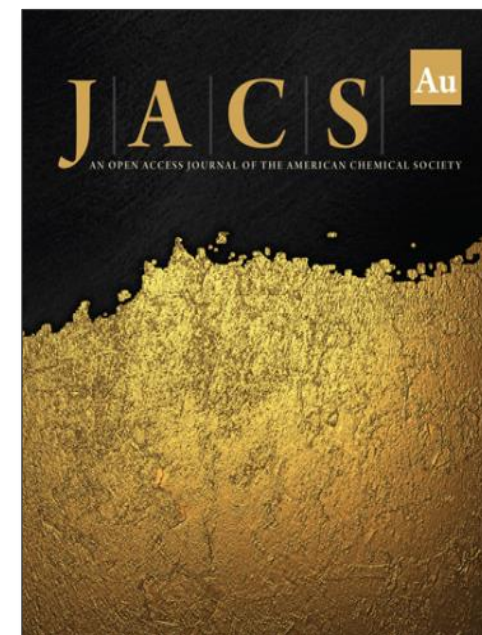


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ACS Agricultural Science & Technology	ACS Infectious Diseases	Biomacromolecules	The Journal of Organic Chemistry
ACS Applied Bio Materials	ACS Macro Letters	<b>C</b>	The Journal of Physical Chemistry A
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COMMUNICATION | July 3, 2024

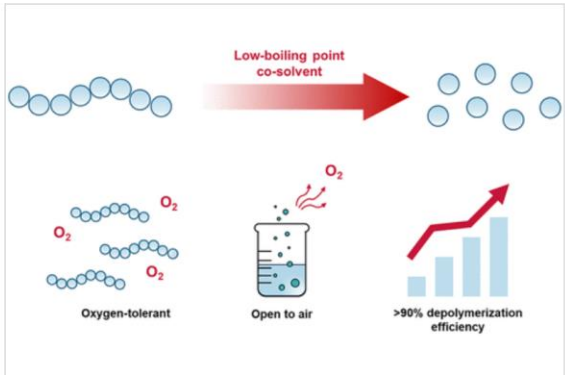
## Open-Air Chemical Recycling: Fully Oxygen-Tolerant ATRP Depolymerization

Stella Afroditi Mountaki, Richard Whitfield, Evelina Liarou, Nghia P. Truong, and Athina Anastasaki\*

Open PDF Supporting Information (1)

### Abstract

While oxygen-tolerant strategies have been overwhelmingly developed for controlled radical polymerizations, the low radical concentrations typically required for high monomer recovery render oxygen-tolerant solution depolymerizations particularly challenging. Here, an open-air atom transfer radical polymerization (ATRP) depolymerization is presented, whereby a small amount of a volatile cosolvent is introduced as a means to thoroughly remove oxygen. Ultrafast depolymerization (i.e., 2 min) could efficiently proceed in an open vessel, allowing a very high monomer retrieval to be achieved (i.e., ~91% depolymerization efficiency), on par with that of the fully deoxygenated analogue. Oxygen probe studies combined with detailed depolymerization kinetics revealed the importance of



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Radical Stitching Polymerization and Its Alternating Copolymerization  
July 2, 2024 | *Journal of the American Chemical Society*  
Yusuke Hamada, Soya Togawa, and Ryo Shintani\*

Mild Catalytic Degradation of Crystalline Polyethylene Units in a Solid State Assisted by Carboxylic Acid Groups



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ACS Applied Electronic Materials	ACS Materials Au OA	C&EN Global Enterprise	The Journal of Physical Chemistry B
ACS Applied Energy Materials	ACS Materials Letters	Chem & Bio Engineering OA	The Journal of Physical Chemistry C
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Volume 146, Issue 27  
July 10, 2024

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Yan Song, ... and Yuan-Hua Lin\*

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## 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 M. Carreira, ETH Zürich  
jacs@jacs.acs.org

[Aims & Scope](#)

**All Metrics 文献计量数**

Article Downloads	2-Year Impact Factor	5-Year Impact Factor	Total Citations	CiteScore	Time to First Peer Review Decision*	Time to Accept*	Time from Accept to ASAP*
43,219,948	14.4	14.8	568,265	24.4	28.2	66.9	13.9

Data as of 2023. | \*Measurements in median days. | [View all Metrics](#)

### Aims & Scope

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- Computational and theoretical chemistry
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标题&作者

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Ayan Das, Benedict J. Elvers, Nicolas Chrysochos, Sk Imraj Uddin, Tejaswinee Gangber, Ivo Krummenacher, Dipanti Borah, Anshika Mishra, Maheswaran Shanmugam\*, Cem B. Yildiz\*, Holger Braunschweig\*, Carola Schulzke\*, and Anukul Jana\*

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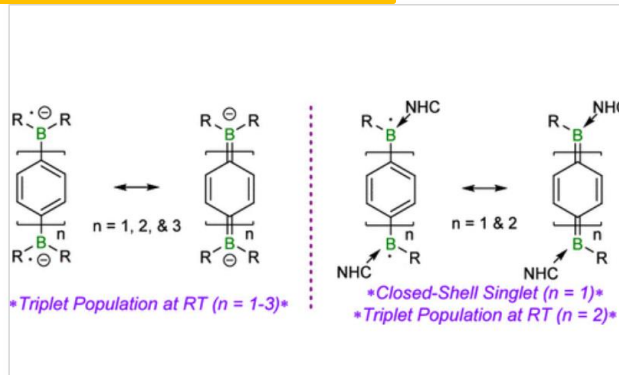
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Abstract摘要

### Abstract

Herein, we report the syntheses and electronic structures of crystalline dianionic as well as neutral diboron-centered classical diradicaloids as boron analogues of classical Thiele, Chichibabin, and Müller (this only for dianionic diradicaloids!) hydrocarbons. These are based on borane radical anion and NHC-stabilized boryl radical spin carriers, respectively. All these dianionic diboron-centered diradicaloids exhibit triplet population at room temperature regardless of the  $\pi$ -conjugated spacer: *p*-phenylene, *p,p'*-biphenylene, or *p,p''*-terphenylene. In the case of neutral diboron-centered diradicaloids, the

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Journal of the American Chemical Society

Cite this: *J. Am. Chem. Soc.* 2024, 146, 13, 9004–9011

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April 10, 2024 | *Journal of the American Chemical Society*  
Maximilian Rang, Myron Heinz, Anel Halkić, Marco Weber, Rian D....

论文的全文浏览次数  
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论文的被引次数



# Article Pages 文章页面

## Subjects ⓘ

Catalysts Crystal Structure Electrodes Pyrroles Redox Reactions

## Introduction

Catalysts are essential to the efficient performance of technological systems and all living organisms. However, molecular scaling relationships (1–4), involving trade-offs between thermodynamic and kinetic performance metrics can limit their effectiveness. The Sabatier principle (5,6) indicates that optimal catalysis occurs when the binding between a catalyst and its substrate is “just right” and of intermediary strength. In other words, the interactions should be neither too strong nor too weak; otherwise, the binding of the reactants or desorption of the products will limit the reaction rate. Such trade-offs between thermodynamic and kinetic performance metrics also apply to electrocatalytic reactions, as exemplified in the benchmarking of homogeneous molecular electrocatalysts via comparisons of catalytic Tafel plots (7,8) relating the turnover frequency (TOF) of a molecular catalyst to the overpotential ( $\eta$ ) (Figure 1a). In this analysis, TOF is the ratio of moles of product ( $N_{\text{product}}$ ) produced over a set unit of time, in which the catalyst is stable, versus the moles of total catalysts contained within the *reaction-diffusion layer* ( $N_{\text{cat}}$ ), a region near the electrode surface, where the concentration profiles of electro-activated versus nonactivated catalysts differ from their bulk values (eq 1). (8) Correspondingly,  $\eta$  is defined as the difference in absolute value between the applied electrode potential ( $E_{\text{app}}$ ) and the equilibrium potential of the reaction being catalyzed ( $E_{\text{eq}}$ ; eq 2). (9–11).

$$\text{TOF} = \frac{N_{\text{product}}}{N_{\text{cat}}} = \frac{\text{TOF}_{\text{max}}}{1 + \exp \left[ \frac{F}{RT} (E_{\text{app}} - E_{\text{cat}/2}) \right]} \quad (1)$$



Figures



References



Supporting Info

## References

This article reference

1. Pérez-Ramírez, J.; Scaling Relationships DOI: 10.1038/s41929

View

2. Masa, J.; Schuhma Electroanalysis. J. S 2181–2182, DOI: 10

View

3. Nie, W.; McCrory, C. C. L. Strategies for Breaking Molecular Scaling Relationships for the Electrochemical CO<sub>2</sub> Reduction Reaction. *Dalton Trans.* **2022**, 51, 6993–7010, DOI: 10.1039/D2DT00333C

View

4. Kulkarni, A.; Siahrostami, S.; Patel, A.; Nørskov, J. K. Understanding Catalytic Activity Trends in the Oxygen

## Introduction

引言

## Materials & Methods

材料和方法

## Results

结果

## Discussion

讨论

## Conclusion

结论

## Abbreviations

缩写

## Author Information

作者信息

## Acknowledgment

致谢

## References

参考文献

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## Supporting Information

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# Supporting Information 支持信息

## Supporting Information

文章的支持信息  
描述研究工作的  
完整实验细节，  
实现可重复性。

## Content

化合物，表格，  
实验等应在  
文章中的提及  
顺序呈现，对  
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## Reversible Spatiotemporal Control of Induced Protein Degradation by Bistable PhotoPROTACS

Mark Pfaff<sup>1,\*</sup>, Kusal T. G. Samarasinghe<sup>2,\*</sup>, Craig M. Crews<sup>2,3,4</sup> and Erick M. Carreira<sup>1</sup>

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<sup>2</sup>Department of Molecular, Cell, and Developmental Biology, Yale University, New Haven, CT 06511, United States

<sup>3</sup>Department of Chemistry, Yale University, New Haven, CT 06511, United States

<sup>4</sup>Department of Pharmacology, Yale University, New Haven, CT 06511, United States

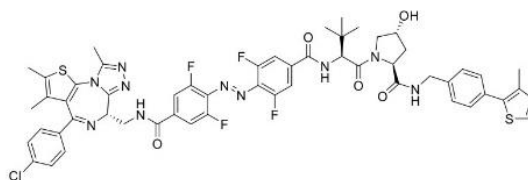
活性化合物  
命名, 编号  
结构式  
合成步骤

## Content

1. Supplementary Figures	2
2. Materials and Methods	9
2.1 General Synthetic Methods	9
2.2 Safety Statement	9
2.3 Analysis of Synthetic Compounds	9
2.4 Photochemical Characterization	9
2.5 Cell Culture	9
2.6 Irradiation of photoPROTAC	9
2.7 Western Blot Analysis	9
2.8 GSH Stability Test	9
2.9 Quantum Yield Measurement	9
3. Synthetic Procedures	14
4. NMR Spectra	34
5. SI-references	63

活性化合物  
表征分析  
Rf, NMR, IR,  
ESI-HRMS

(2S,4R)-1-((S)-2-{4-((E)-4-(((S)-4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)methyl)carbamoyl)-2,6-difluorophenyl)diazetyl)-3,5-difluorobenzamido)-3,3-dimethylbutanoyl)-4-hydroxy-N-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide (photoPROTAC-1)



JQ-1 amine **18** (10.5 mg, 28.0  $\mu$ mol, 1.00 equiv) and acid **54** (21.4 mg, 28.0  $\mu$ mol, 1.00 equiv) were dissolved in anhydrous DMF (0.28 mL, 0.1 M). DIPEA (12  $\mu$ L, 85  $\mu$ mol, 3.00 equiv) and HATU (11.3 mg, 30.0  $\mu$ mol, 1.05 equiv) were added to the reaction mixture at room temperature. After 2 hours, the reaction mixture was quenched by addition of sat. aq.  $\text{NaHCO}_3$  and the aq. phase was extracted three times with EtOAc. The combined org. layers were washed with brine and dried over sodium sulfate. Residual DMF and tetramethylurea were removed by lyophilization after freezing in a water/dioxane mixture. The crude product was further purified by flash column chromatography (94% EtOAc/4% iPrOH/2%  $\text{H}_2\text{O}$ ) to afford photoPROTAC-1 as an orange oil (16.0 mg, 14.0  $\mu$ mol, 51%).

Rf = 0.36 (85% EtOAc/10% iPrOH/5%  $\text{H}_2\text{O}$ ).

<sup>1</sup>H NMR (500 MHz,  $\text{CD}_3\text{OD}$ )  $\delta$  = 8.87 (s, 1H), 7.70 (dd,  $J$  = 5.1, 1.6 Hz, 2H), 7.67 (dd,  $J$  = 5.1, 1.6 Hz, 2H), 7.52 (d,  $J$  = 8.5 Hz, 2H), 7.48 (d,  $J$  = 8.5 Hz, 2H), 7.44 – 7.40 (m, 4H), 4.91 (s, 1H), 4.65 – 4.50 (m, 4H), 3.87 (dd,  $J$  = 13.6, 7.0 Hz, 2H), 4.35 (d,  $J$  = 15.4 Hz, 1H), 3.98 (d,  $J$  = 11.0 Hz, 1H), 3.87 (dd,  $J$  = 11.0, 3.8 Hz, 1H), 2.71 (s, 3H), 2.47 (s, 3H), 2.43 (s, 3H), 2.29 – 2.22 (m, 1H), 2.15 – 2.09 (m, 1H), 1.69 (s, 3H), 1.13 (s, 9H).

<sup>13</sup>C NMR (126 MHz,  $\text{CD}_3\text{OD}$ )  $\delta$  = 174.4, 172.0, 166.8, 166.7, 166.5, 157.4, 156.1, 155.3, 153.0, 152.2, 149.0, 140.3, 139.2, 138.1, 138.1, 134.3, 133.5, 133.4, 133.3, 133.3, 132.0, 132.0, 131.5, 131.4, 131.3, 130.4, 129.8, 129.0, 113.4, 113.1, 71.1, 60.9, 59.9, 58.2, 56.8, 43.7, 42.9, 39.0, 37.2, 27.1, 15.8, 14.4, 12.9, 11.6.

<sup>19</sup>F NMR (471 MHz,  $\text{CD}_3\text{OD}$ )  $\delta$  = -121.4, -121.5.

IR: 3322, 2925, 28855, 1665, 1533, 1427, 1343, 1243, 1090, 1047, 967, 843.

ESI-HRMS: calcd. for  $\text{C}_{54}\text{H}_{52}\text{ClF}_4\text{N}_{11}\text{O}_5\text{S}_2$   $[\text{M}+\text{H}]^+$  1108.3135, found 1108.3144.

<sup>1</sup>H-NMR

<sup>13</sup>C-NMR

<sup>19</sup>F-NMR



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Abstract 摘要



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COMMUNICATION | October 6, 2023

### Three-Component Cross-Electrophile Coupling: Regioselective Electrochemical Dialkylolation 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 dialkylolation of alkenes enables the formation of two C(sp<sup>3</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 dialkylolation 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. Melhaus, L. F. T. Novaes, 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.

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- (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  
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- For recent reviews, see:  
(a) Derosa, J.; Apolinar, 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  
[View](#) | [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

**Chemical Reaction Scheme:**

$$Z-CH=CH_2 + R^1-Br + R^2-X \xrightarrow{+2e^-} Z-CH(R^1)-CH(R^2)-R^1$$

$Z = \text{aryl, boryl, silyl, vinyl, etc.}, X = Br, Cl, OTf$   
 $R^1 = 3^\circ/2^\circ \text{ alkyl}, R^2 = 1^\circ \text{ alkyl, methyl, silyl, germyl}$

**Representative products:**

**Figure 1**

**Abstract**

$$Z-CH=CH_2 + R^1-Br + R^2-X \xrightarrow{+2e^-} Z-CH(R^1)-CH(R^2)-R^1$$

$Z = \text{aryl, boryl, silyl, vinyl, etc.}, X = Br, Cl, OTf$   
 $R^1 = 3^\circ/2^\circ \text{ alkyl}, R^2 = 1^\circ \text{ alkyl, methyl, silyl, germyl}$

**Representative products:**

**Scheme 1**

(A) Redox-neutral alkene dialkylolation (refs 3–6)

$$R-CH=CH_2 + R^1-M + R^2-X \xrightarrow{\text{conditions}} R-CH(R^1)-CH(R^2)-R$$
  
 $M = Li, Mg, Zn, Si$   $R^1 = \text{alkyl}$   $R^2 = \text{alkyl or } R$   $X = \text{halogen}$

(B) Ni-catalyzed directed reductive dialkylolation (ref 9)

$$DG-CH=CH_2 + R^1-X + R^2-Y \xrightarrow{Ni \text{ catalyst, Mn (reductant)}} DG-CH(R^1)-CH(R^2)-R$$
  
 $DG = \text{amide directing group}$   
 $R^1, R^2 = \text{alkyl}; X = \text{redox-active ester, halogen}; Y = \text{halogen}$

(C) Ni-catalyzed nondirected reductive dialkylolation (ref 10)

$$Me-C(OMe)=CH_2 + R^1-Br + R^2-Br \xrightarrow{Ni \text{ catalyst, Mn (reductant)}} Me-C(R^1)(R^2)-CH_3$$

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**Recommended Articles**

Co-Catalyzed Hydrofluorination of Alkenes: Photocatalytic Method Development and Electroanalytical Mechanistic Investigation  
February 1, 2024 | *Journal of the American Chemical Society*  
Jinlian Liu, Jian Rong, Devin P. Wood, Yi Wang, Steven H. Liang\*, and Son



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Supporting Information  
帮助信息

# 期刊科技论文的基本框架和写作要点





Q.你会从哪里开始写自己的论文呢？

- A. 建立提纲
- B. 标题 & 摘要
- C. 结论
- D. 图片或表格
- E. 其它部分：如实验环节，数据处理等



# 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 ?



# Title 标题

- 形式 名词性的短语结构
- 表达 我的研究内容 **What is it about ?**  
我的研究结果 **What did we find ?**
- 避免 复杂难懂的缩写: **B97-1, DEF2Y**  
复杂的命名或分子式:  **$[(\text{PBO})\text{Pd}(\text{NCMe})_2][\text{OTf}]_2$**   
难以证实或主观的词语: **First, Only, Novel .....**  
把标题写成设问句: **Why ..... ? How ..... ?**





# Title 标题

## 标题案例:

- Radical Route to 1,4-Benzothiazine Derivatives from 2-Aminobenzenethiols and Ketones under Transition-Metal-Free Conditions  
合成 1,4-苯并噻嗪衍生物的新方法
- 11-Step Total Synthesis of Pallambins C and D  
天然物 Pallambins C/D 的全合成
- Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis  
铜与铜基纳米粒子：催化中的合成与应用

# Abstract 摘要

## Anatomy of an Abstract

**Purpose**

目的

**Problem Statement**

问题陈述

**Methodology**

方法论

**Major Findings**

主要发现

**Conclusion**

结论

### Purpose & Problem Statement

(keep the big-picture in mind)

### Methodology & Major Findings

(highlight key discoveries)

### Conclusion

(summarize the significance)

Engineered 3D DNA crystals are promising scaffolds for bottom-up construction of three-dimensional, macroscopic devices from the molecular level. Nevertheless, this has been hindered by the highly constrained conditions for DNA crystals to be stable. Here we report a method to prepare robust 3D DNA crystals by postassembly ligation to remove this constraint. Specifically, sticky ends at crystal contacts were enzymatically ligated, and the covalent bonds significantly enhanced crystal stability, e.g., being stable at 65 °C. This method also enabled the fabrication of DNA crystals with complex architectures including crystal shell, core-shell, and matryoshka dolls. Furthermore, we have demonstrated the applications of the robust DNA crystals in biocatalysis and protein entrapment. Our study removes one key obstacle for the applications of DNA crystals and offers many new opportunities in DNA nanotechnology.



# Abstract 摘要

摘要的写法可以包含五个部分，按以下顺序：

## 目的

介绍主题，传达其对广泛领域的重要性，并解释“大局”

## 问题陈述

正在解决什么科学问题

## 方法论

强调所采用的关键途径、方法和分析

## 主要发现

强调研究的结果和成果，解释数据内容并提醒读者

## 结论

强调这项工作的意义及其影响。为什么这项工作意义重大？  
这项研究可能会带来什么结果？

# Abstract 摘要

## 摘要不应包括:

- 过多的介绍性句子
- 过多或不相关的实验细节和数值数据
- 参考引文，因为读者可能无法访问它们
- 未定义的首字母缩略词或缩写
- 未经证实的主张或与数据相矛盾或不受数据支持的信息
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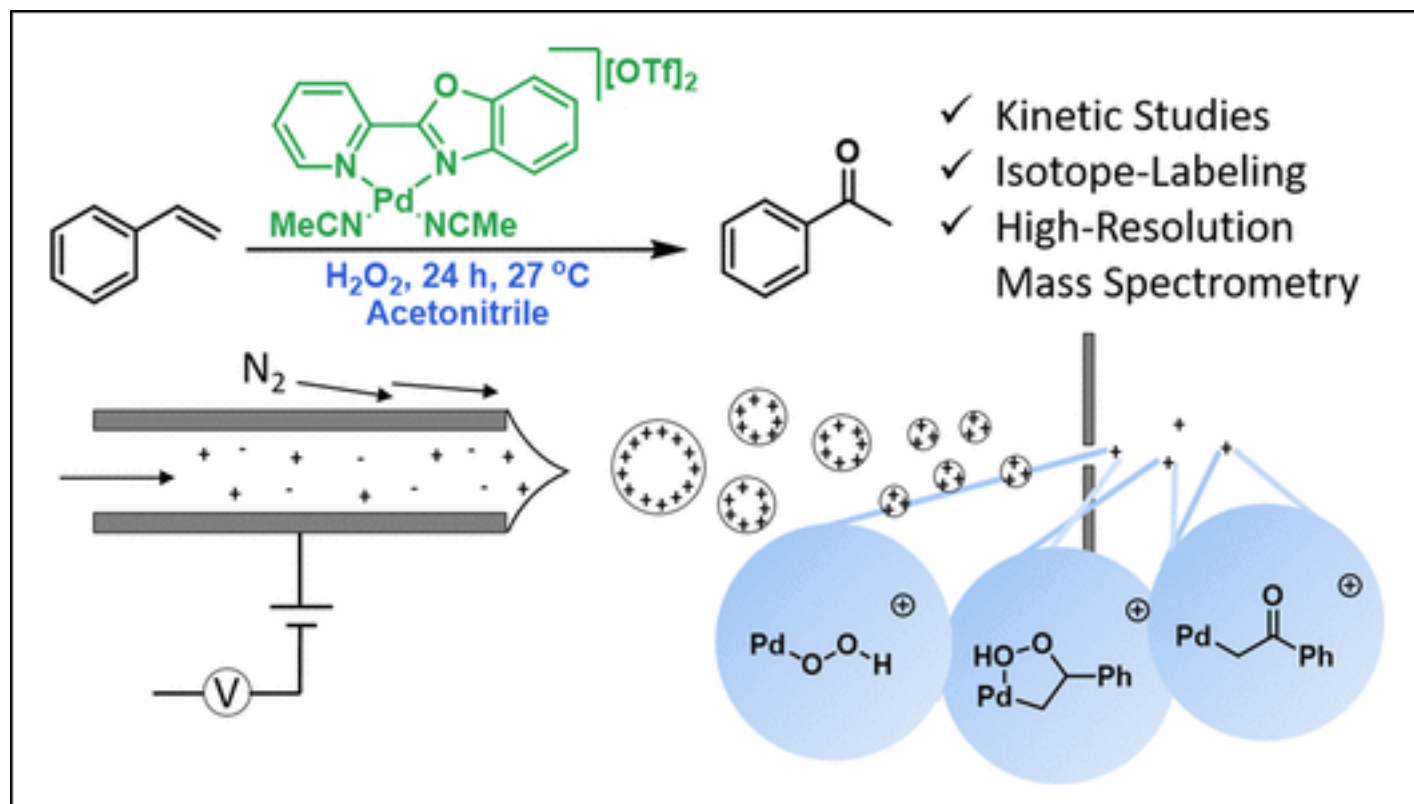




# Graphics 图片

思考：设计哪些图片，讲述你的科研故事。

- Be clear
- Be precise
- Informative
- Support your text
- Use color
- Original
- Unpublished



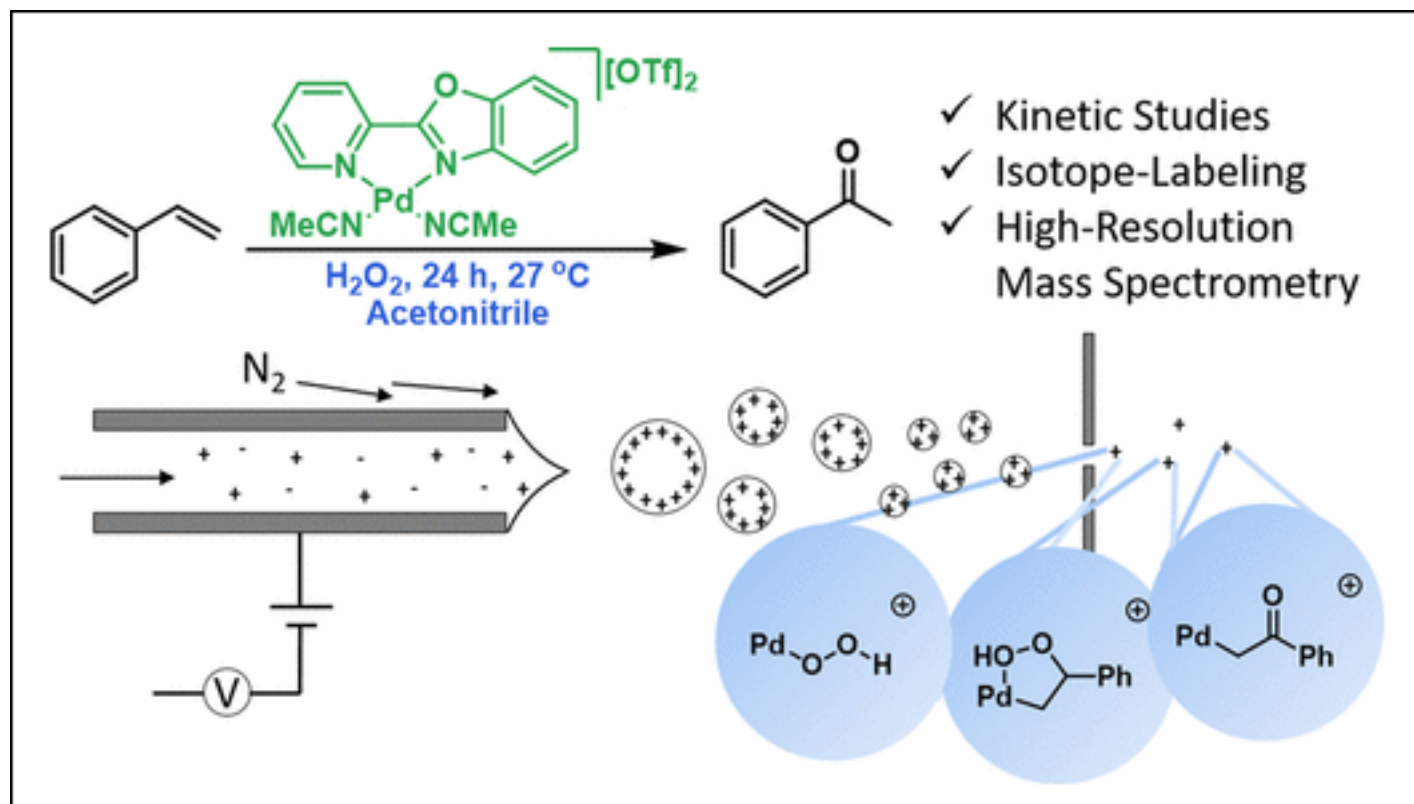
*J. Am. Chem. Soc.*, 2017, 139 (36), pp 12495–12503

# Graphics 图片

## Mechanism of Catalytic Oxidation of Styrenes with Hydrogen Peroxide in the Presence of Cationic Palladium(II) Complexes

苯乙烯与过氧化氢在阳离子钯催化剂作用下的催化氧化机理

- Be clear
- Be precise
- Informative
- Support your text
- Use color
- Original
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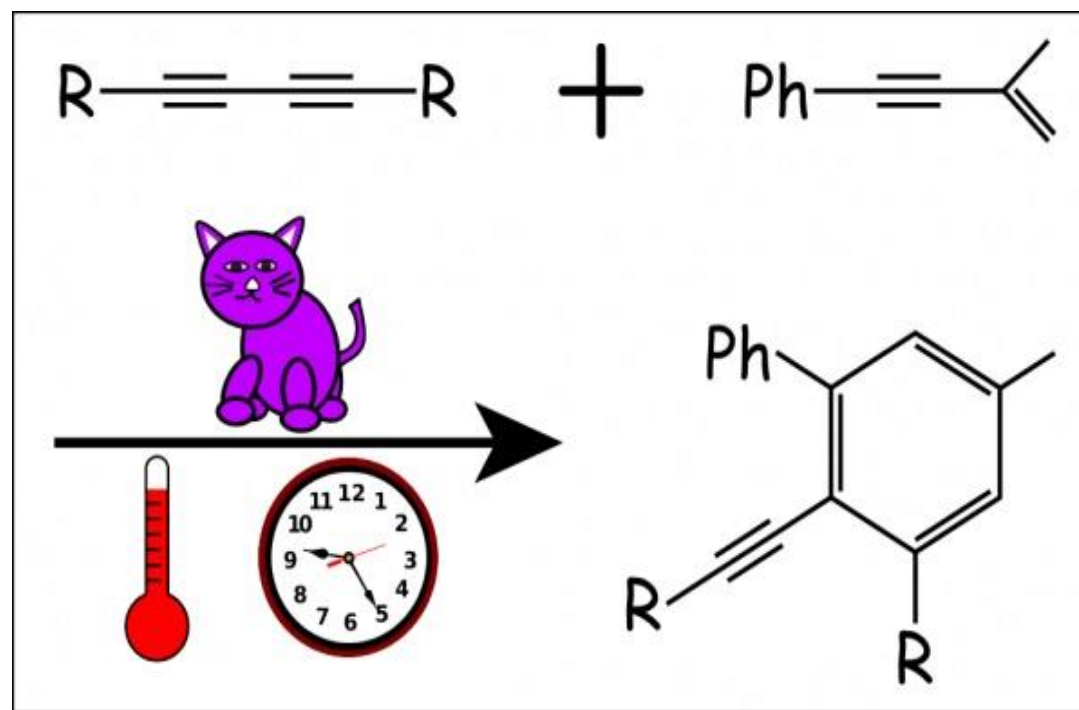
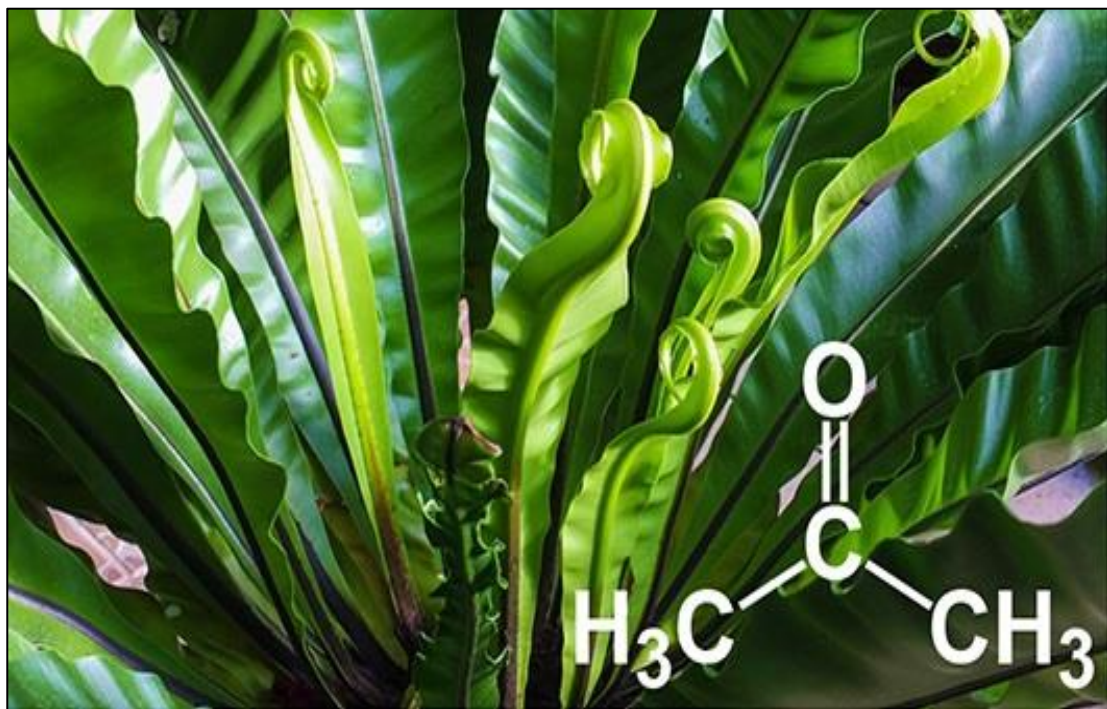


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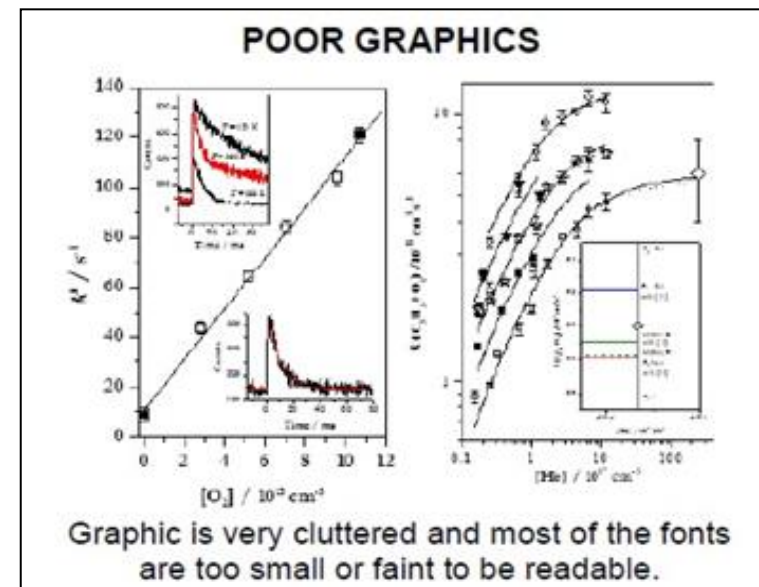
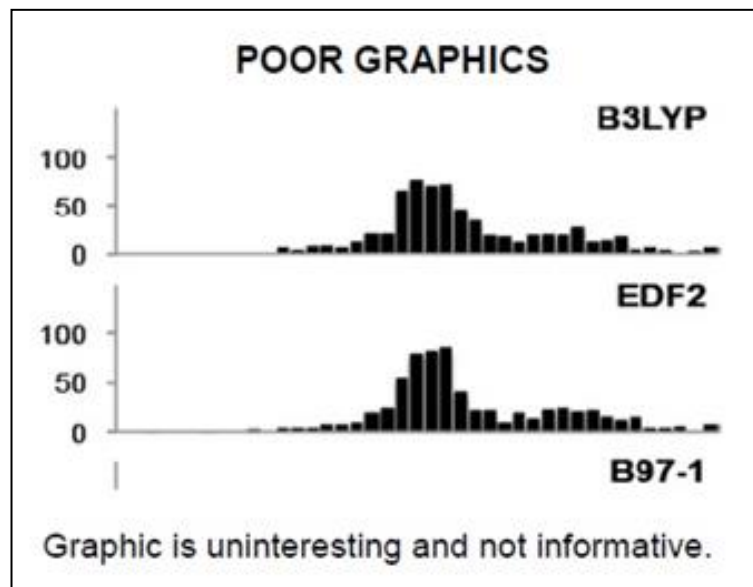
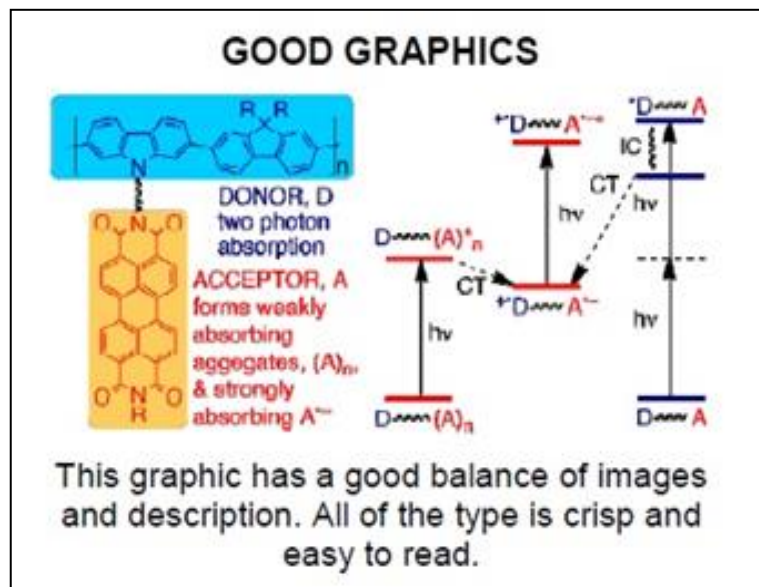
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# Graphics 图片

思考：这些图片有什么区别？

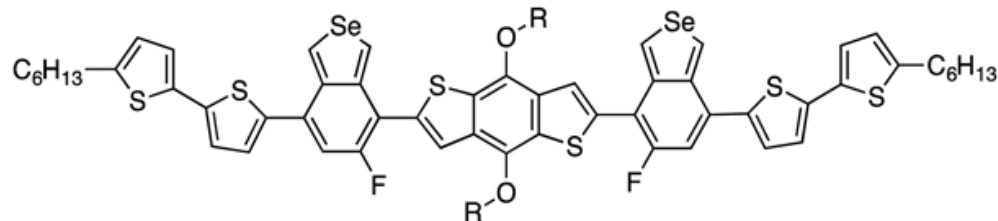




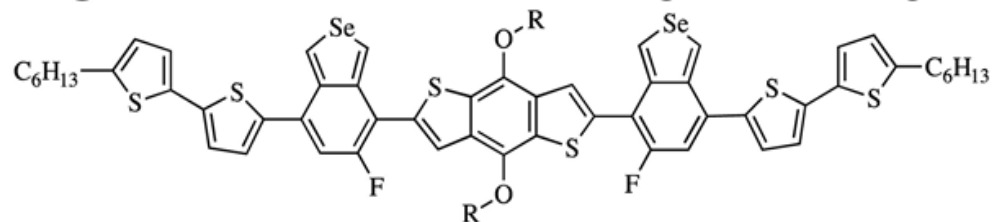
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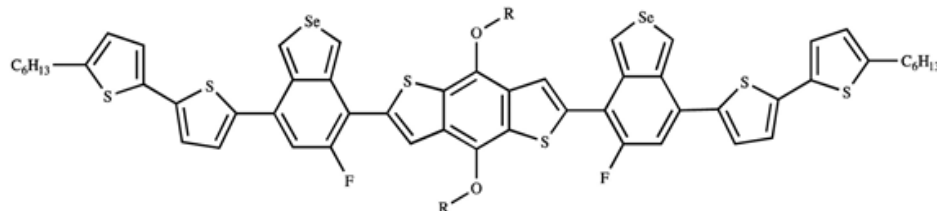
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**Bad:** ACS document setting, but very small Times font



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**Answer:**

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Materials (Times)

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Times is a 'serif font' ○ = serif

Helvetica is a sans-serif font

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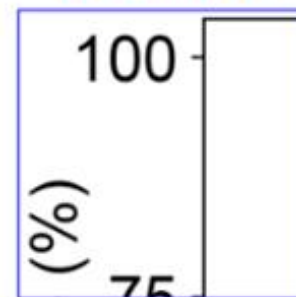
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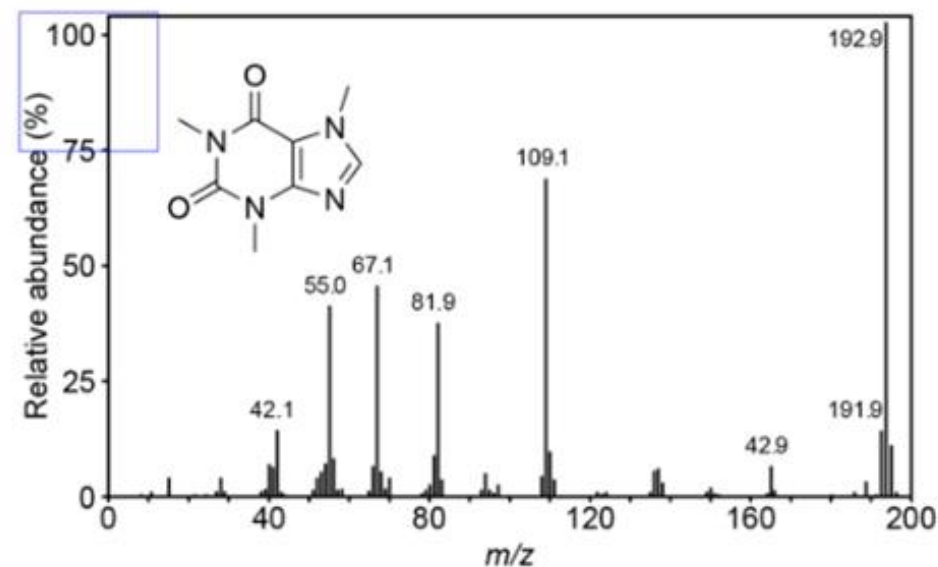
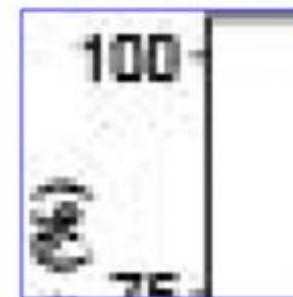
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Unacceptable Resolution



## 英文论文写作时有哪些误区需要注意避免呢？

01 避免使用不恰当的词语和句式

02 注意区分易混淆的单词和短语

03 使用性别中立语言





# Language and Text 语言



避免使用不恰当的词语

避免使用缩略词:

✗ wasn't

✓ was not

✗ in the lab

✓ in the laboratory



# Language and Text 语言



避免使用 it is, there are, this is 这类句式结构:

- ✗ It is a procedure that is often used.
- ✓ This procedure is often used.
- ✗ There are seven steps that must be completed.
- ✓ Seven steps must be completed.



# Language and Text 语言



## 使用性别中立语言

~~Policeman~~ Police officer

~~Chairman~~ Chair

~~Man-made~~ synthetic, artificial, etc.

~~Stewardess~~ Flight attendant

~~The corresponding author should  
place an asterisk after his name.~~

The name of the corresponding author  
should be followed by an asterisk.



# Language and Text 语言

✧ 科技论文写作的目的:

1. 简化，准确
2. 避免个人感情色彩
3. 语句使用的准确性是高效写作的目标



# Document Templates 稿件格式

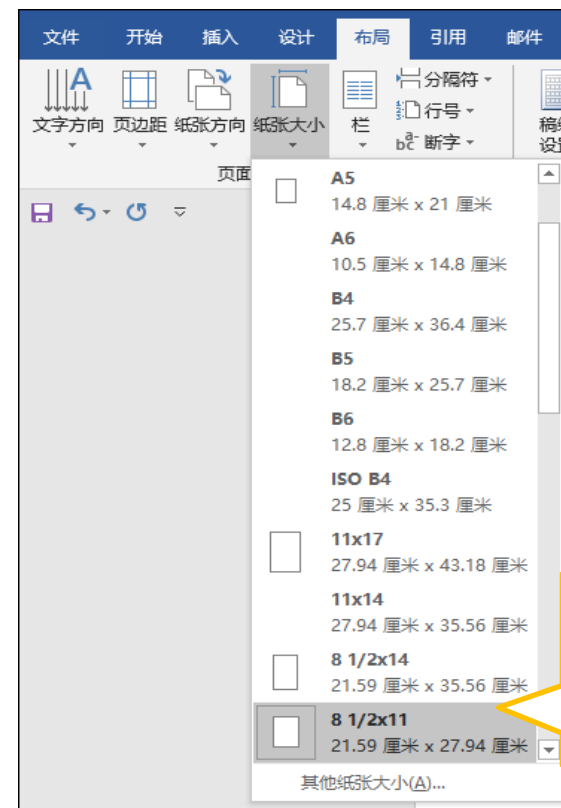
## Acceptable Software by File Designation

A list of acceptable software formats for each File Designation is provided below. Files that are not in an acceptable format will be rejected by the ACS Paragon Plus system.

Manuscript File	File Extension
Microsoft Word 97 or higher (PC)	.doc, .docx, .dot, .rtf
Microsoft Word 98 or higher (Mac)	.doc, .docx, .dot, .rtf
Word Perfect up through version 9 (PC)	.wp, .wpd, .rtf
Word Perfect 3.5 (Mac)	.wp, .rtf
TeX/LaTeX/REVTeX	.zip

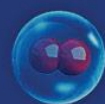
Manuscript PDF File	File Extension
Portable Document Format	.pdf

Graphic for Manuscript	File Extension
Tagged Image File Format	.tif
Portable Document Format	.pdf



US Letter 格式  
8 ½ \* 11

# ACS期刊投稿方法和注意事项



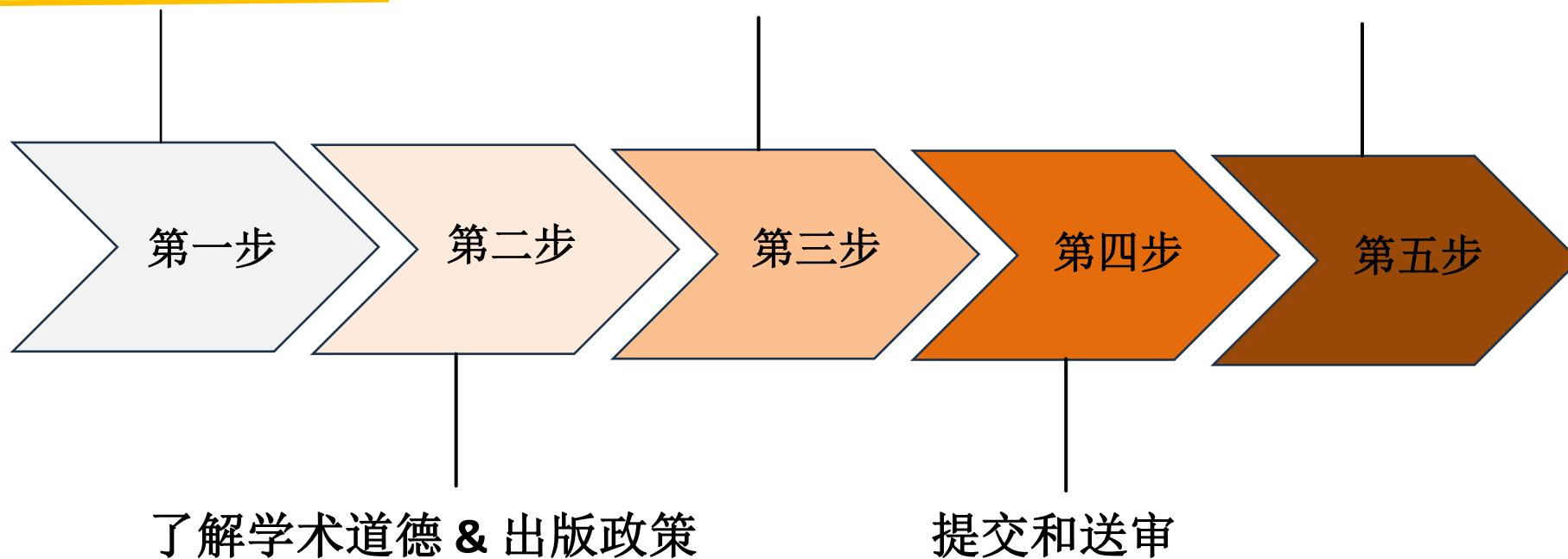


# 期刊投稿流程

选择合适的投稿期刊

写作 & 准备稿件

正式出版



# 选择合适的投稿期刊 Q&A



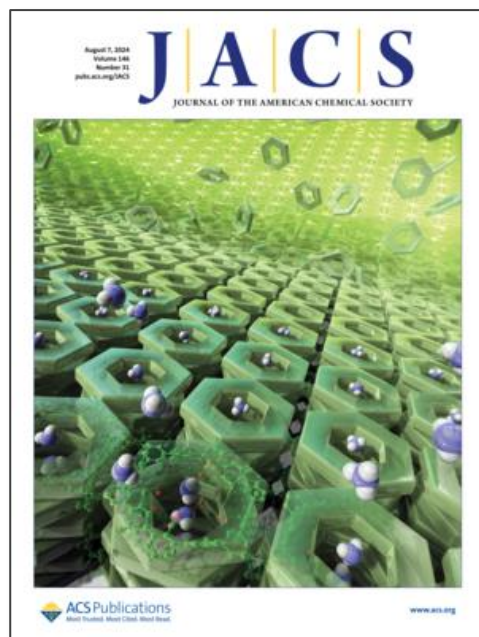
怎样选择合适的 **ACS** 期刊进行投稿？

定性+定量-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。



# 选择合适的投稿期刊

## ■ ACS高影响力期刊



*Journal of the American Society*

IMPACT FACTOR

**14.4**



*Chemical Reviews*

IMPACT FACTOR

**51.4**



*ACS Central Science*

IMPACT FACTOR

**12.7**



**ACS Publications**  
Most Trusted. Most Cited. Most Read.



# 选择合适的投稿期刊

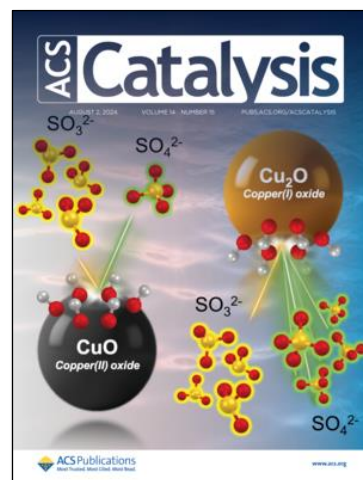
## ■ ACS高影响力期刊



**ACS NANO**

IMPACT FACTOR

**15.8**



**ACS Catalysis**

IMPACT FACTOR

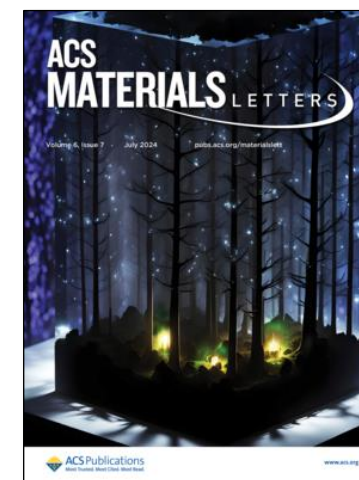
**11.3**



**Environmental Science  
& Technology**

IMPACT FACTOR

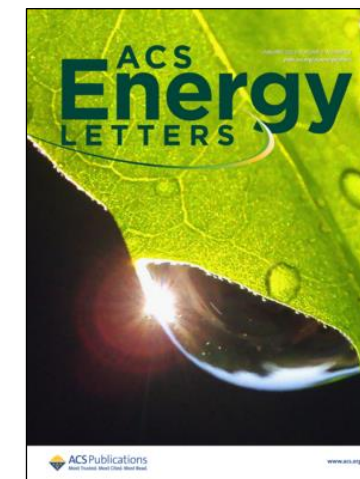
**10.8**



**ACS Materials Letters**

IMPACT FACTOR

**9.6**



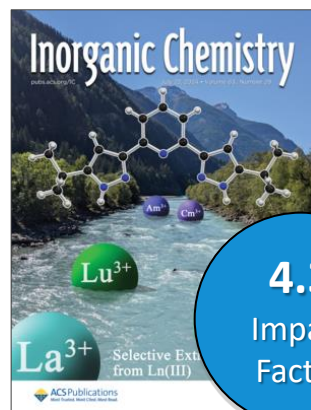
**ACS Energy Letters**

IMPACT FACTOR

**19.3**

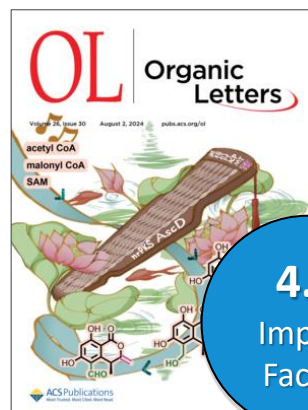
# 选择合适的投稿期刊

## ■ ACS专业科学期刊



4.3  
Impact  
Factor

无机化学



4.9  
Impact  
Factor

有机化学



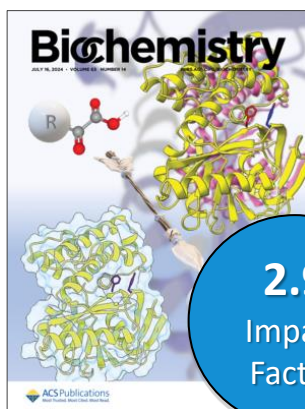
6.7  
Impact  
Factor

分析化学



5.1  
Impact  
Factor

高分子科学



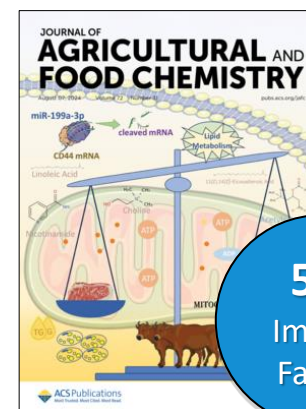
2.9  
Impact  
Factor

生物化学



3.3  
Impact  
Factor

天然物研究



5.7  
Impact  
Factor

农业与食品科学



2.9  
Impact  
Factor

地球化学

# 选择合适的投稿期刊 Q&A



## 怎样选择合适的 ACS 期刊进行投稿？

定性+定量-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。



## 怎样判断稿件合适某本专业科学期刊？

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>



# 选择合适的投稿期刊

## ■ 阅读期刊投稿指南 Author Guidelines

FOR ORGANIZATIONS **FOR AUTHORS** EVENTS & CONFERENCES OPEN SCIENCE

### Products & Services

A free, online training course that empowers authors to prepare and submit strong manuscripts, avoiding errors that could lead to delays in the publication process.

A free, online and on-demand course on how to navigate tricky ethical situations, identify core criteria for evaluating manuscripts, and write a first-rate, effective review.

ACS Authoring Services provides pre- and post-publication assistance to help you excel at communicating your scientific research to the world.

This comprehensive guide provides the academic and publishing communities with the instruction and advice they need to master the art of scholarly communication.

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Everything you need to prepare, publish, and review manuscripts for ACS journals

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**Publish with ACS**

# 选择合适的投稿期刊

## ■ 阅读期刊投稿指南Author Guidelines

The screenshot shows the top navigation bar of the ACS Publications website. It includes links for Login, Register, and Cart. The main header features the ACS Publications logo and the tagline "Most Trusted. Most Cited. Most Read." Below this, there are links for ACS Journals, ACS eBooks, and C&EN Global Enterprise. The breadcrumb trail indicates the current location: ACS Publications > ACS Researcher Resources > Author Guidelines. A search bar and a menu icon are also visible.

This section shows the main content area of the Author Guidelines page. It features the ACS Publications logo and a dropdown menu labeled "Select an ACS Journal". Below the dropdown, there is a text prompt: "Select an ACS journal to access its author guidelines, which includes information on topics (and more):". A list of topics is provided, including Journal Scope, Manuscript Types, Manuscript Preparation Instructions, Editorial Policies, Data and Figure Requirements, Open Access and Preprint Policies, and Contact Information. At the bottom, there is a link to "Fast Format" for submitting manuscripts.

### Journal Guidelines And Templates

Everything you need to prepare and submit your manuscript

Select an ACS journal

Looking for information on book publishing?

[Get the basics here.](#)

Select an ACS journal to access:

- Author Guidelines
- Journal Scope
- Data and Figure Requirements
- Open Access and Preprint Policies
- Contact Information

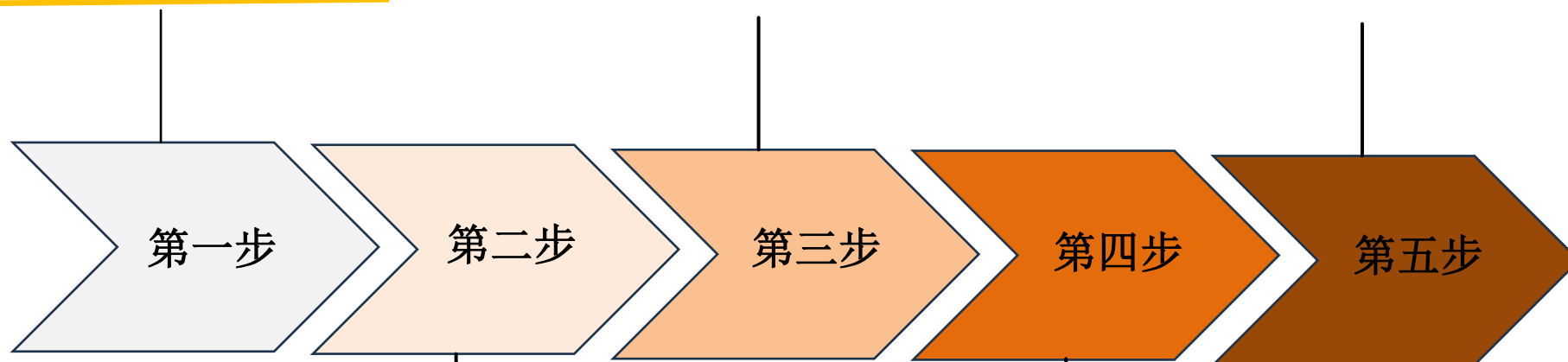
[Submit with Fast Format](#)

# 期刊投稿流程

选择合适的投稿期刊

写作 & 准备稿件

正式出版



了解学术道德 & 出版政策


提交和送审




# 了解学术道德 & 出版政策

[FOR ORGANIZATIONS](#)[FOR AUTHORS](#)[EVENTS & CONFERENCES](#)[OPEN SCIENCE](#)


## Products & Services




A free, online training course that empowers authors to prepare and submit strong manuscripts, avoiding errors that could lead to delays in the publication process.



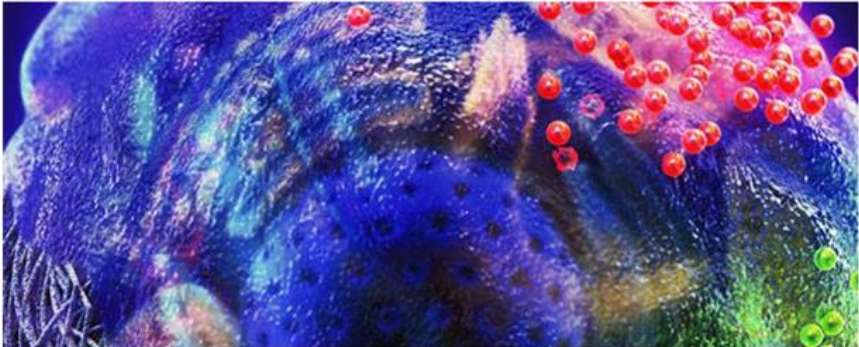
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Everything you need to prepare, publish, and review manuscripts for ACS journals

ACS Researcher Resources is a resource for chemists at every stage of their career. Whether you're submitting your first scientific article or reviewing decades of publishing data, it's all at your fingertips.

[Publish with ACS](#)

# 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](#)

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### Publishing with ACS

[The Publishing Process](#)

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### Research Sharing and Open Access

[Preprint Policies and Options](#)

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[Copyrights & Permissions](#)

[Journal Publishing Agreement \(JPA\)](#)

[Ethical Guidelines](#)

[Research Data Policy](#)

[Posting Policies](#)

[Publication Ethics](#)

[Publishing Integrity](#)

[Special Issue and Guest Editor Guidelines](#)

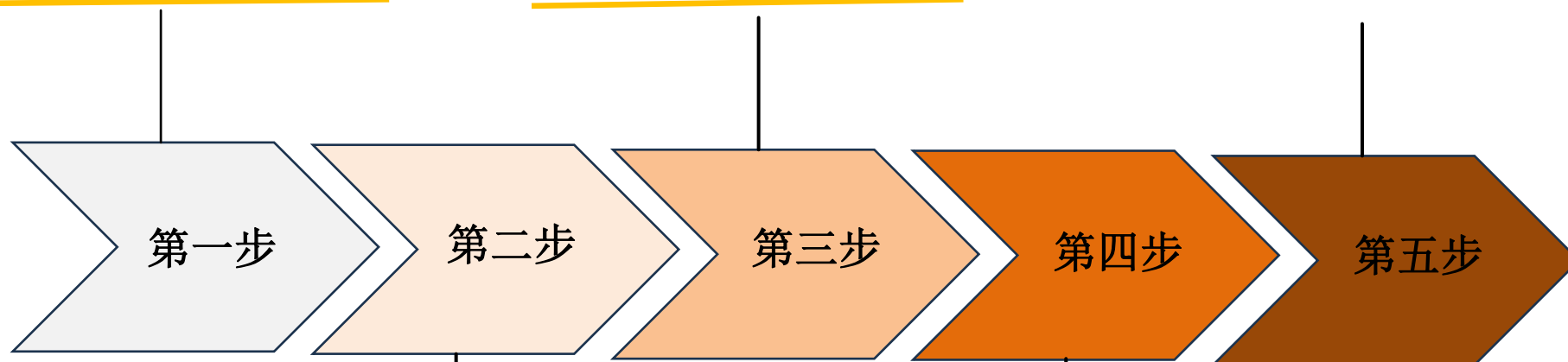


# 期刊投稿流程

选择合适的投稿期刊

写作 & 准备稿件

正式出版



了解学术道德 & 出版政策

提交和送审

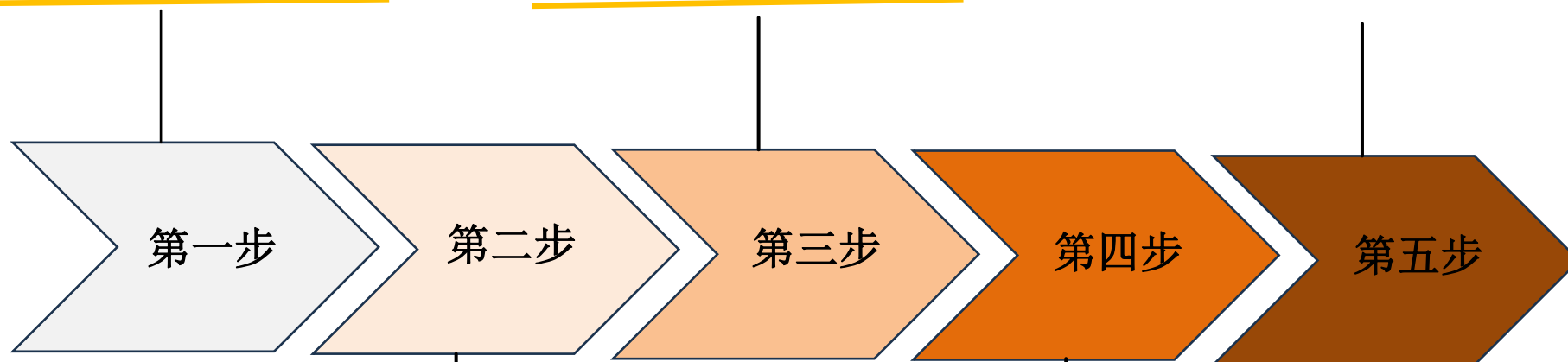


# 期刊投稿流程

选择合适的投稿期刊

写作 & 准备稿件

正式出版



了解学术道德 & 出版政策

提交和送审

# 选择合适的投稿期刊

## ■ 投稿平台ACS Researcher Resources


FOR ORGANIZATIONS

FOR AUTHORS


EVENTS & CONFERENCES

OPEN SCIENCE


Products & Services




A free, online training course that empowers authors to prepare and submit strong manuscripts, avoiding errors that could lead to delays in the publication process.



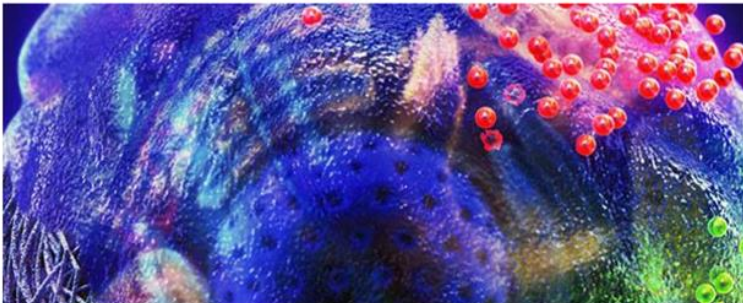
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[Publish with ACS](#)


# 提交稿件 [publish.acs.org/publish](https://publish.acs.org/publish)

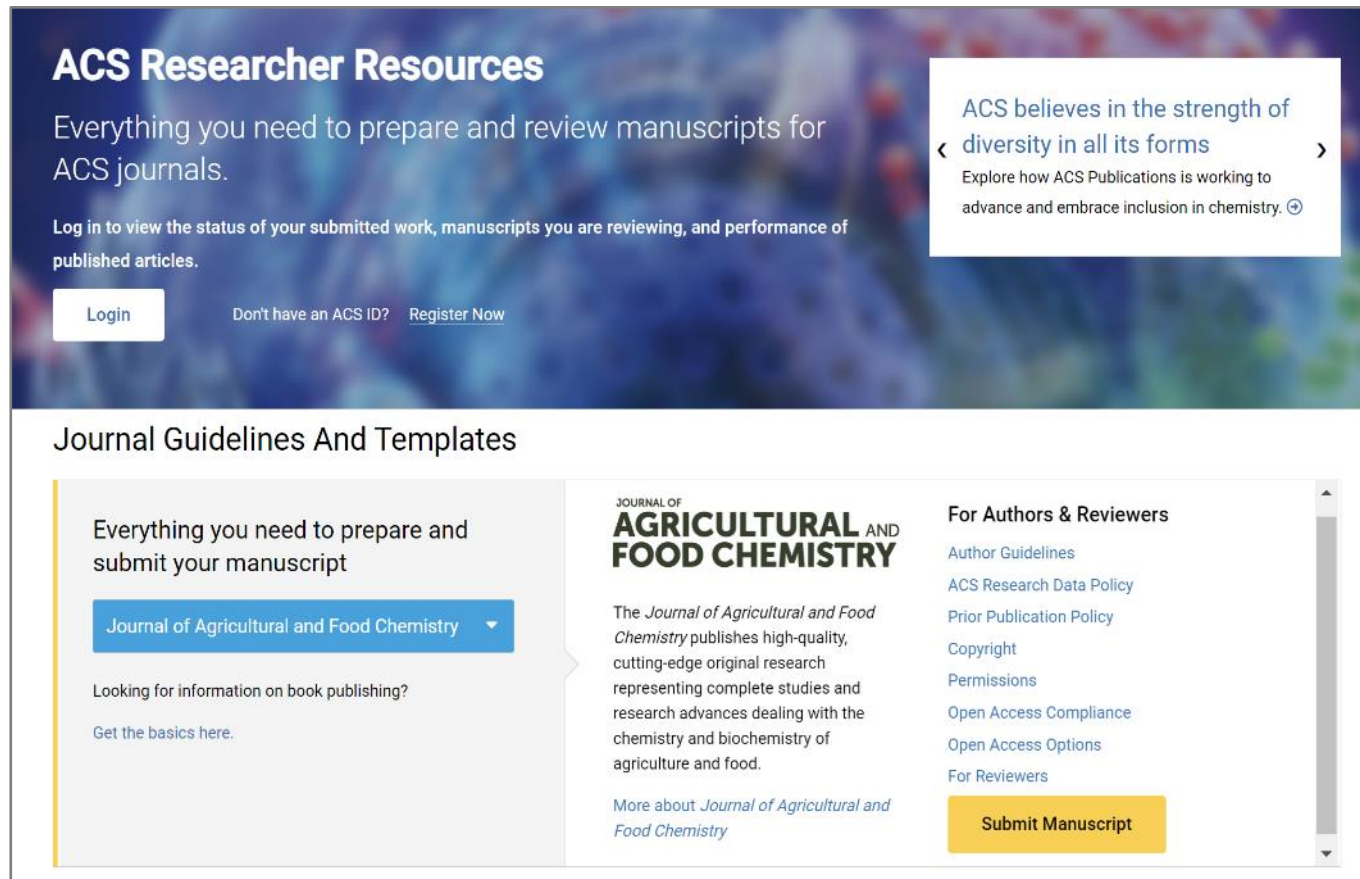
## ■ 投稿平台 ACS Researcher Resources

 准备和上传稿件

 作者投稿指南

 了解同行评议

 了解出版政策



The screenshot shows the ACS Researcher Resources homepage. At the top, it says "ACS Researcher Resources" and "Everything you need to prepare and review manuscripts for ACS journals." Below this, there is a "Login" button and a link to "Register Now" for those without an ACS ID. A banner on the right promotes ACS's commitment to diversity. The main section is titled "Journal Guidelines And Templates" and features a sidebar for the "Journal of Agricultural and Food Chemistry" with a "Submit Manuscript" button. The main content area provides details about the journal's focus on high-quality research in agriculture and food chemistry. A right-hand menu lists various resources for authors and reviewers, including guidelines, policies, and permissions.

**ACS Researcher Resources**

Everything you need to prepare and review manuscripts for ACS journals.

Log in to view the status of your submitted work, manuscripts you are reviewing, and performance of published articles.

Login Don't have an ACS ID? [Register Now](#)

ACS believes in the strength of diversity in all its forms. Explore how ACS Publications is working to advance and embrace inclusion in chemistry.

**Journal Guidelines And Templates**

Everything you need to prepare and submit your manuscript

Journal of Agricultural and Food Chemistry

Looking for information on book publishing? Get the basics here.

**JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY**

The *Journal of Agricultural and Food Chemistry* publishes high-quality, cutting-edge original research representing complete studies and research advances dealing with the chemistry and biochemistry of agriculture and food.

More about *Journal of Agricultural and Food Chemistry*

**For Authors & Reviewers**

- [Author Guidelines](#)
- [ACS Research Data Policy](#)
- [Prior Publication Policy](#)
- [Copyright](#)
- [Permissions](#)
- [Open Access Compliance](#)
- [Open Access Options](#)
- [For Reviewers](#)

**Submit Manuscript**



# 提交稿件 [publish.acs.org/publish](https://publish.acs.org/publish)

## ■ 投稿平台 ACS Researcher Resources

**ACS Researcher Resources**  
Everything you need to prepare and review manuscripts for ACS journals.

Log in to view the status of your submitted work, manuscripts you are reviewing, and performance of published articles.

[Login](#) Don't have an ACS ID? [Register Now](#)

ACS believes in the strength of diversity in all its forms  
Explore how ACS Publications is working to advance and embrace inclusion in chemistry.

### Journal Guidelines And Templates

Everything you need to prepare and submit your manuscript

[Journal of Agricultural and Food Chemistry](#)

Looking for information on book publishing?  
[Get the basics here.](#)

**JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY**

The *Journal of Agricultural and Food Chemistry* publishes high-quality, cutting-edge original research representing complete studies and research advances dealing with the chemistry and biochemistry of agriculture and food.

[More about Journal of Agricultural and Food Chemistry](#)

**For Authors & Reviewers**

- [Author Guidelines](#)
- [ACS Research Data Policy](#)
- [Prior Publication Policy](#)
- [Copyright](#)
- [Permissions](#)
- [Open Access Compliance](#)
- [Open Access Options](#)
- [For Reviewers](#)

[Submit Manuscript](#)

步骤 1  
注册 ACS ID

步骤 2  
选择 ACS 期刊进行投稿

步骤 3  
作者投稿指南

步骤 4  
上传稿件

# 投稿步骤

## ■ 填写作者信息\*



ACS Publications  
Most Trusted. Most Cited. Most Read.

ACS Paragon Plus

Thank you for linking your ACS ID to your ACS Paragon Plus Profile:

On the next screen, please provide these additional details for your profile.

- Institution is a required field
- Country/Region is a required field
- City is a required field
- Postal Code is a required field
- Consent acknowledgement for demographic questions



ACS Publications  
Most Trusted. Most Cited. Most Read.

ACS Paragon Plus

Home

Edit Profile

### Edit My Profile

1 E-Mail / Name

2 Address

3 Areas of Expertise

4 Other Profile Details

Previous Next

#### Primary Address

Institution:  req

Department:

Address:

Country/Region: --- Select One --- req

State/Province: --- Select One ---

City:  req

Postal Code:

Phone:

Fax:

Previous Next

# 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

Ω Special Characters

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

Ω Special Characters

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
Select File 1 ...	* Manuscript File
Select File 2 ...	Choose File Designation ...
Select File 3 ...	Choose File Designation ...
Select File 4 ...	Cover Art
Select File 5 ...	Cover Art Caption
Select File 6 ...	Graphic for manuscript
	Manuscript PDF File
	Other files for Editors only
	Supporting Information for Publication
	Supporting Information for Review Only
	Web Enhanced Object
	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 >
- Step 3: Authors & Institutions >
- 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> (Corresponding Author) <a href="mailto:michael.buchmeiser@ipoc.uni-stuttgart.de">michael.buchmeiser@ipoc.uni-stuttgart.de</a> id 0000-0001-6472-5156 ✓	1. Universitat Stuttgart, Institute of Poly Chemistry Pfaffenwaldring 55 Stuttgart, DE D-70569 +49 (0)711-685-64075
↑ Drag	2 ▾	Select... ▾	<b>Jing Zhao</b> <a href="mailto:rudy@igroup.com.cn">rudy@igroup.com.cn</a> id 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

AuthorsEmail@example.com

🔍 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
<div>Add Reviewer</div>			

Editors

ACTIONS	PREFERENCE	EDITOR	INSTITUTION
<div>Add Editor</div>			

Select Editor(s)

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

Add Reviewer

推荐审稿人

Add Editor(s)

选择某位编辑  
审阅稿件

# 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 sulfimination 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.

# 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	INCOMPLETE
Abstract	INCOMPLETE

Special Issue Selection (By Invitation Only)

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



# ACS Research Resources 投稿平台

作者目前需要  
处理的稿件

发表 Submissions  
评审 Reviews  
出版 Published  
跟进 Following

## Welcome to the ACS Publishing Center!

### Major Revision

"The Sustainable Future of Speed Lithium Ion Batteries: Advanced Hybrid"

Major Revision Overdue **April 07, 2023**. [Submit Revision](#)

Updated as of March 16, 2023, at 9:00 PM EST (1:00 AM GMT). Please allow up to 24 hours for new activity to be reflected. Submissions remain on this list until 60 days after final decision.

## Your Articles And Manuscripts

Updated as of March 16, 2023, at 9:00 PM EST (1:00 AM GMT). Please allow up to 24 hours for new activity to be reflected. Submissions remain on this list until 60 days after final decision.

### Submissions (3) [See More](#)

#### Major Revision

"The Sustainable Future of Speed Lithium Ion Batteries: Advanced Hybrid"

#### In Peer Review

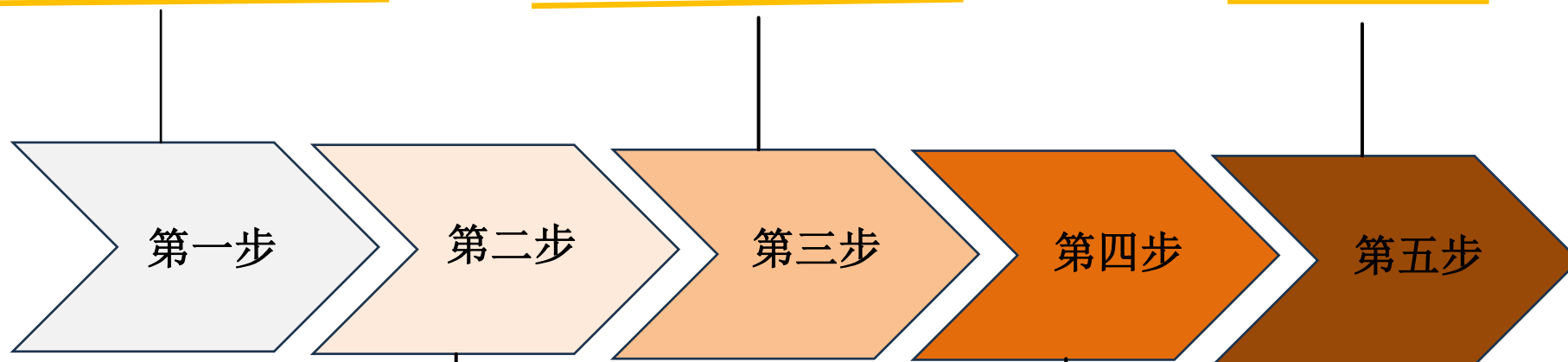
Modeling the Resources and Environmental Impacts for  
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# 期刊投稿流程

选择合适的投稿期刊

写作 & 准备稿件

正式出版



了解学术道德 & 出版政策

提交和送审

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





# 编辑初审 Editorial Review (Pre-Screening)

## ■ 编辑从哪些方面判断文章是否适合本期刊？

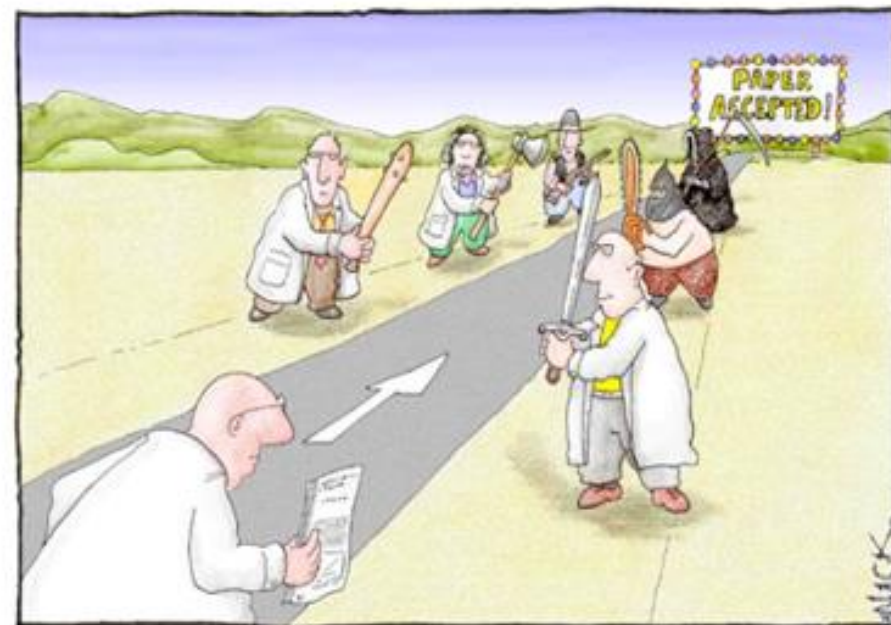
- Scope 符合范围
- Scientific merit 科学价值
- Significance 意义和重要性

## ■ 初审之后，快速作出决定：

- Peer Review Process 同行评审
- 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.

# 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。

# 回复评审意见

## 1. 仔细阅读编辑决定和审稿人评语

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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

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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)

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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.