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ALL ABOUT

# ACS PUBLICATIONS

## ACS 期刊投稿与写作 – 助力科研发表

- (1) 学术期刊与投稿知识
- (2) 论文写作和审稿环节

主讲人：赵璟



# ALL ABOUT **ACS JOURNALS**

## 1. ACS 学术期刊与投稿知识



# ACS美国化学会是全球最大的科技学会之一

- 成立于 1876 年
- 众多诺贝尔奖得主
- 出版高品质的科学期刊
- 促进化学及相关学科的交流与发展



# ACS 期刊介绍

60多种高品质的学术期刊

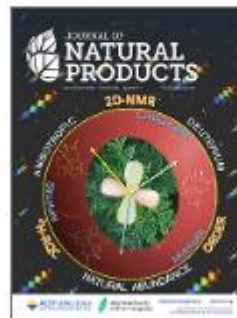
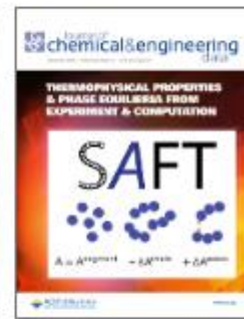
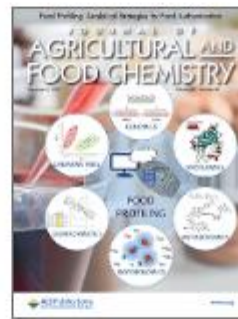
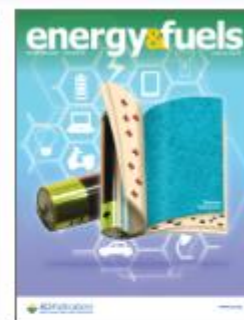
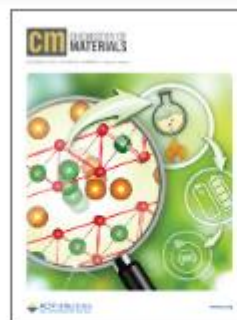
都被 SCIE 收录（除了新刊）

130万篇，400万页的文献资料

JCR期刊引证报告的评价

化学领域被引用次数最多的期刊

受到全球科研人员的广泛关注



## 覆盖广泛的学科领域

普通化学

高分子科学

食品科学与技术

生物化学

晶体学

材料科学

农学与林学

生物技术

无机化学

纳米科学

理论化学

临床化学

有机化学

化学工程

计算化学

药物化学

物理化学

能源与燃料

化学信息学

药理学和药剂学

分析化学

环境科学

分子生物学

毒理学



1870

1875

1879

1880

1885



14.612  
Impact Factor

1905

JOURNAL

OF THE

AMERICAN CHEMICAL SOCIETY.

VOLUME I.

PUBLICATION COMMITTEE:

H. ENDEMANN, Editor,  
ARNO BEHR,  
GIDEON E. MOORE.

ABSTRACTORS:

P. T. AUSTEN,  
J. P. BATTERSHALL,  
ARNO BEHR,  
E. H. S. BAILEY,  
A. BOURGOUNON,

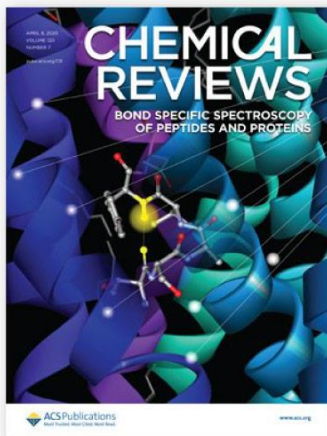
P. CASAMAJOR,  
H. ENDEMANN,  
GIDEON E. MOORE,  
EDGAR EVERHART,  
JAS. H. STEBBINS, JR.,  
GEO. A. PROCHAZKA.

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# 综述期刊 Chemical Reviews / Accounts of Chemical Research 美国化学会志 Journal of the American Chemical Society

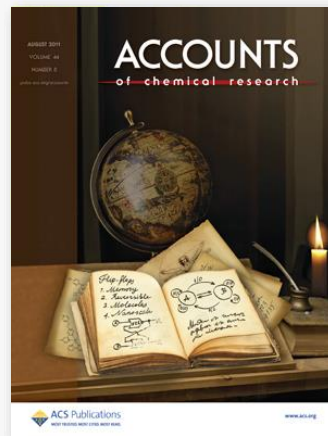
## ■ Chemical Reviews

对各个化学领域的重要成果展开全面的评论和综述。主要发表关于开创性研究的权威综述。



2019 IMPACT FACTOR

**52.758**



2019 IMPACT FACTOR

**20.832**



2019 IMPACT FACTOR

**14.612**

## ■ Accounts of Chemical Research

主要对近期的研究进展进行简要总结，对化学及相关领域的基础和应用研究进行简单易懂的概述。

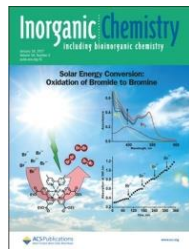
## ■ Journal of the American Chemical Society

美国化学会志 JACS 是化学领域中获得引用最多的期刊

# 基础研究领域：无机、有机、物化、分析化学



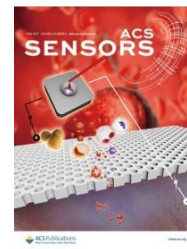
**Crystal Growth & Design**



**Inorganic Chemistry**



**Analytical Chemistry**



**ACS Sensors**



**The Journal of Organic Chemistry**



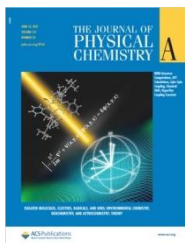
**Organic Letters**



**Organic Process Research & Development**



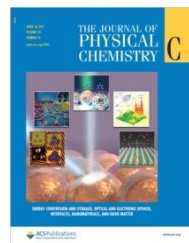
**Organometallics**



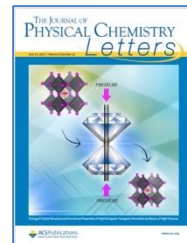
**The Journal of Physical Chemistry A**



**The Journal of Physical Chemistry B**



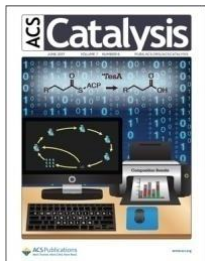
**The Journal of Physical Chemistry C**



**The Journal of Physical Chemistry Letters**

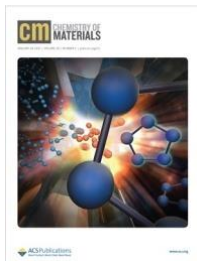


# 催化



ACS  
Catalysis

# 材料



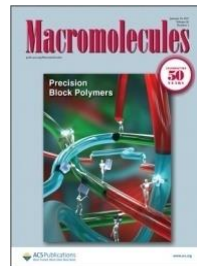
Chemistry of  
Materials

# 纳米



ACS  
NANO

# 高分子



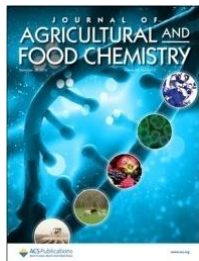
Macromolecules

# 药物化学



Journal of  
Medicinal  
Chemistry

# 农业与食品



Journal of  
Agricultural  
and Food  
Chemistry

# 化学工程



Industrial &  
Engineering  
Chemistry  
Research

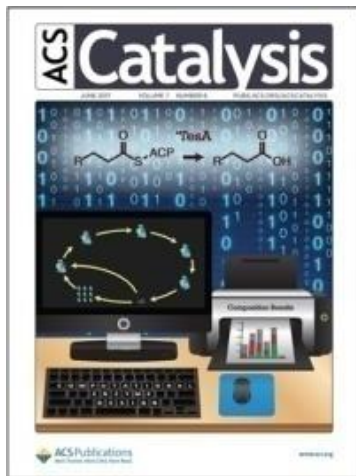
# 环境科学



Environmental  
Science &  
Technology

# ACS Catalysis

催化领域的权威综合期刊，最新影响因子 IF = 12.350



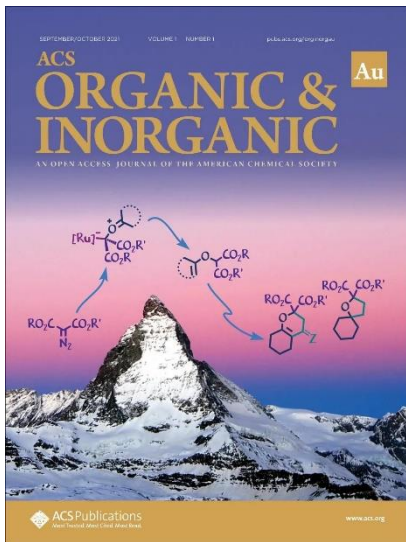
## Journal Scope

催化的各个分支领域（均相催化、多相催化、酶催化）的多学科催化科学研究。

报导催化研究进展，具有独特催化反应性能、在分子或原子级别上理解催化机理的研究。

强调采用通用的标准（转换率、转换数和选择性）来表征催化剂。

# 开放获取期刊 ACS Au 系列陆续上线



## ACS Organic & Inorganic Au

Editor-in-Chief: Shelley D. Minteer

Deputy Editor: Géraldine Masson

Web Edition ISSN: 2694-247X

## ■ ACS Organic & Inorganic Au (New 2021 秋季)

ACS Polymers Au

ACS Measurement Science Au

ACS Materials Au

ACS Organic & Inorganic Au 成为第四本上线第一期的期刊。

ACS Organic & Inorganic Au 涵盖美国化学会旗下多种“混合型”期刊的出版范围，包括 The Journal of Organic Chemistry、Inorganic Chemistry、Organometallics、Organic Letters、Organic Process Research & Development 和 Crystal Growth & Design。


本刊旨在发表涵盖有机化学、有机金属化学、无机化学、晶体成长和工程学以及有机工艺化学的原创性实验研究和理论/计算研究。


本刊覆盖丰富的稿件类型，包括快报、原创研究论文、综述和展望。


<https://pubs.acs.org/page/aoiab5/about.html>



# ACS Publishing Center 投稿平台

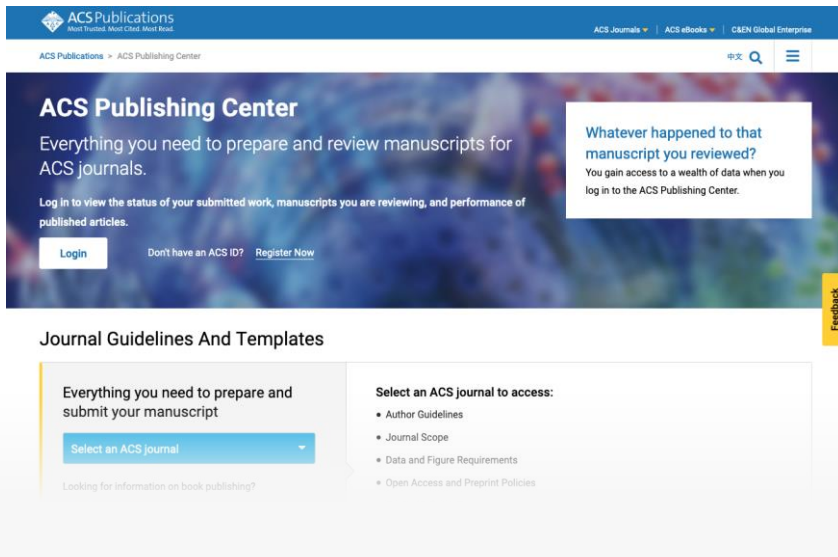
 准备和上传稿件

 了解如何分享研究

 了解同行评议流程

 了解ACS出版政策

[publish.acs.org/publish](https://publish.acs.org/publish)



The screenshot shows the ACS Publishing Center website. The header includes the ACS Publications logo and navigation links for ACS Journals, ACS eBooks, and CAEN Global Enterprise. The main content area features a large banner with the text "ACS Publishing Center" 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 users without an ACS ID. A sidebar on the right contains a "Feedback" button and a section titled "Journal Guidelines And Templates" with a list of links: "Author Guidelines", "Journal Scope", "Data and Figure Requirements", and "Open Access and Preprint Policies".

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Journal of Agricultural and Food Chemistry

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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*

3. 投稿指南

For Authors & Reviewers

Author Guidelines

Prior Publication Policy

Copyright

Permissions

Open Access Compliance

Open Access Options

For Reviewers

Submit Manuscript

4. 上传稿件

第1步:  
文献类型  
标题  
摘要

## Step 1: Type, Title, & Abstract

Authors are asked to review the [Information for Authors](#), and to adhere to these guidelines when submitting manuscripts to be published as **Just Accepted** manuscripts. Please review these submission requirements before beginning the submission process: [Requirements for Just Accepted 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"/>	<b>Article</b> 研究文献
<input type="radio"/>	Correspondence/Rebuttal
<input type="radio"/>	<b>Letter</b> 快报
<input type="radio"/>	Perspective
<input type="radio"/>	<b>Review</b> 综述

ACS数据库使用iThenticate  
和Crossref进行原创性检测



Files

## 第2步: 稿件上传

0.00 OUT OF 244.14 MB

### 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 >

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

Update Order

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### File Upload

SELECTION	FILE DESIGNATION
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Select File 1 ...

\* Manuscript File

Select File 2 ...

Select File 3 ...

Select File 4 ...

Select File 5 ...

Select File 6 ...

Choose File Designation ...

Choose File Designation ...

Journal Publishing Agreement

Cover Art

Cover Art Caption

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 ...

Manuscript PDF

Supporting Information

Graphic for manuscript

Journal Publishing Agreement

Other files for Editors only

## Authors

### 第3步: 填写投稿作者

#### 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 >

#### \* Selected Authors

	ORDER	ACTIONS	AUTHOR	INSTITUTION
↑ Drag	1 ▾	Select... ▾	<b>▲ Michael R. Buchmeiser</b> <i>(Corresponding Author)</i> michael.buchmeiser@ipoc.uni-stuttgart.de	1. University of Stuttgart
↑ Drag	2 ▾	Select... ▾	Mr. Jing Zhao rudy@igroup.com.cn	1. ▲ iGroup shanghai china Xie Tu Road, No.2899 room B-601 Shanghai, CN 200030

至少确定一位通讯作者

↻ Update Author Order

#### Add Author

### 添加投稿作者

Find using Author's email address

AuthorsEmail@example.com

🔍 Search

⏪ Previous Step

Save

Save & Continue >

## 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 4: Reviewers & Editors

## 第4步: 填写审稿人和编辑

You must suggest at least 6 reviewers before completing the submission of your manuscript. You must also suggest at least 1 editor. Designate reviewers and editors below as appropriate.

### \* Preferred Reviewers 审稿人

RECOMMENDED: 0 OUT OF 6 MIN

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

Add Reviewer

### \* Preferred Editors 了解期刊的编辑

RECOMMENDED: 0 OUT OF 1 MIN

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

Add Editor

Select Editor(s)

### 编辑的名字与机构

SELECT	EDITOR	INSTITUTION
<input type="checkbox"/> Select	Banin, Uri	Hebrew University of Jerusalem
Reason <b>0 OUT OF 100 CHARACTERS</b>		Institute of Chemistry and the Center for Nanoscience and Nanotechnology



## Step 5: Details & Comments

第5步: 填写其它信息

\* Cover Letter

Cover Letter

Write Cover Letter

Funding

Preview

Ω Special Characters

Conflict of Interest

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 >

Unpublished Work

Graphics Software

Previous Submission

Confirm Ethical Guidelines

第6步:

Review & Submit

审核填写信息

完成稿件提交

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

# 期刊的审稿时间

## ■ 期刊的审稿时间是多久？

对于不同的期刊，审稿时间是不同的。

通常来说，初步回复的时间在 4–6 周，也可能更快。

**Letters** (快报文章) 的稿件更快一些，

**Reviews** (综述文章) 应根据期刊编辑部的规定，需要约稿。

# 期刊的投稿选择

## ■ ACS 的顶级期刊：（少数选择）

*JACS, Chemical Reviews, ACS Nano, Nano Letters* (通常IF > 10)

## ■ ACS 的专业科学期刊：（多数选择）

有机化学 *JOC, Organic Letters*

分析化学 *Analytical Chemistry*

化学工程 *I&ECR, Energy&Fuels*

环境科学 *EST, EST Letters*

农业与食品化学 *JAFC, ACS AS&T, ACS FS&T*

生物化学 *Biochemistry, ACS Synthetic Biology, JAFC, JNP ...*





# ALL ABOUT **ACS JOURNALS**

## 2. 论文写作和审稿环节



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**Cramming may work for studying,  
but not for scientific papers.**

**死记硬背可能对学习有用，  
但不适用于科学论文。**



**Chemistry of Materials 期刊主编 Jillian M. Buriak  
Department of Chemistry, University of Alberta**

# 科技论文基本结构：如何叙述一个科研的故事

## 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

标题， 图片

语言， 格式， 投稿信



## Title 起一个引人注目的标题

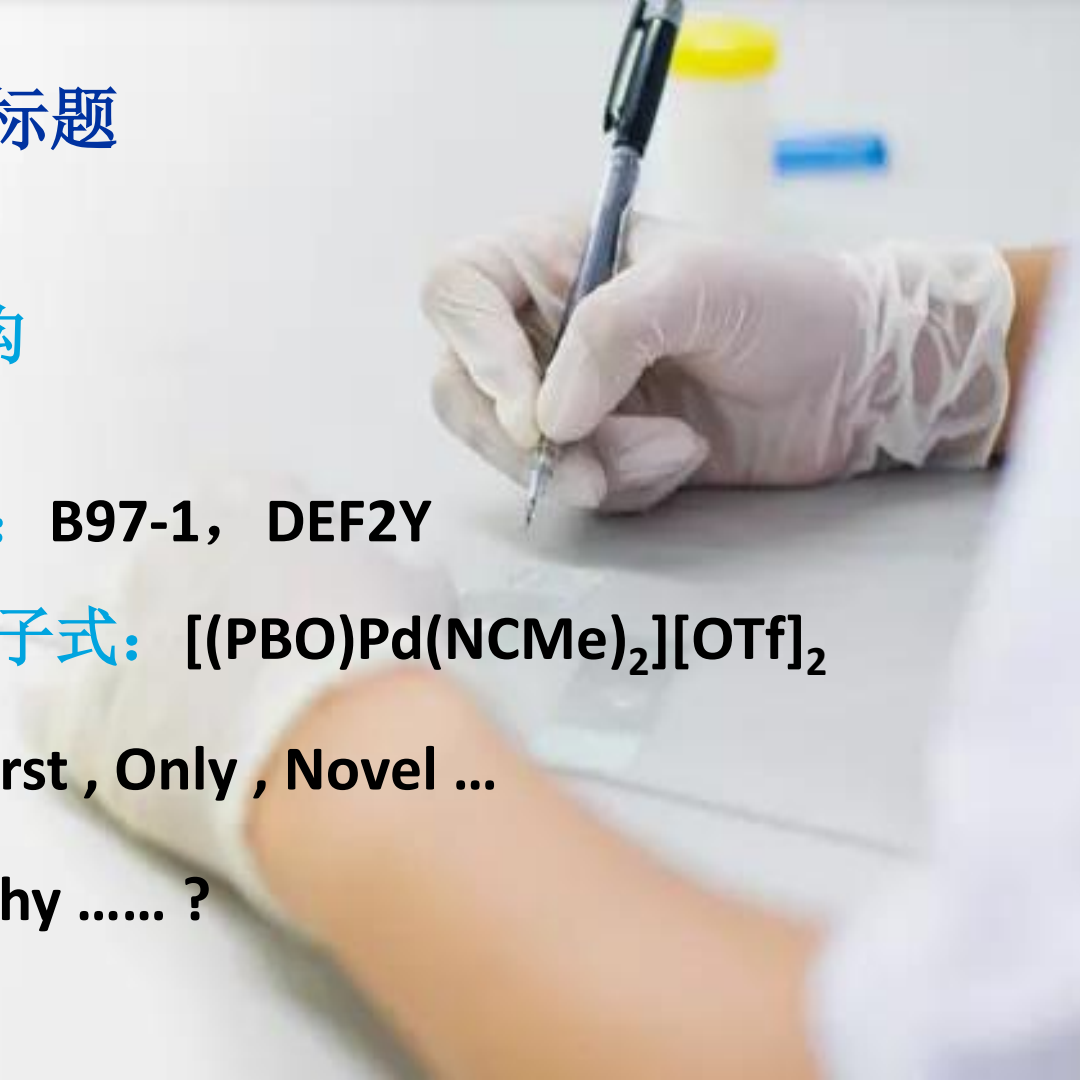
◆ 通常是名词性的短语结构

◆ 避免 难以理解的缩写: **B97-1, DEF2Y**

复杂的命名或分子式:  **$[(\text{PBO})\text{Pd}(\text{NCMe})_2][\text{OTf}]_2$**

主观的词语: **First, Only, Novel ...**

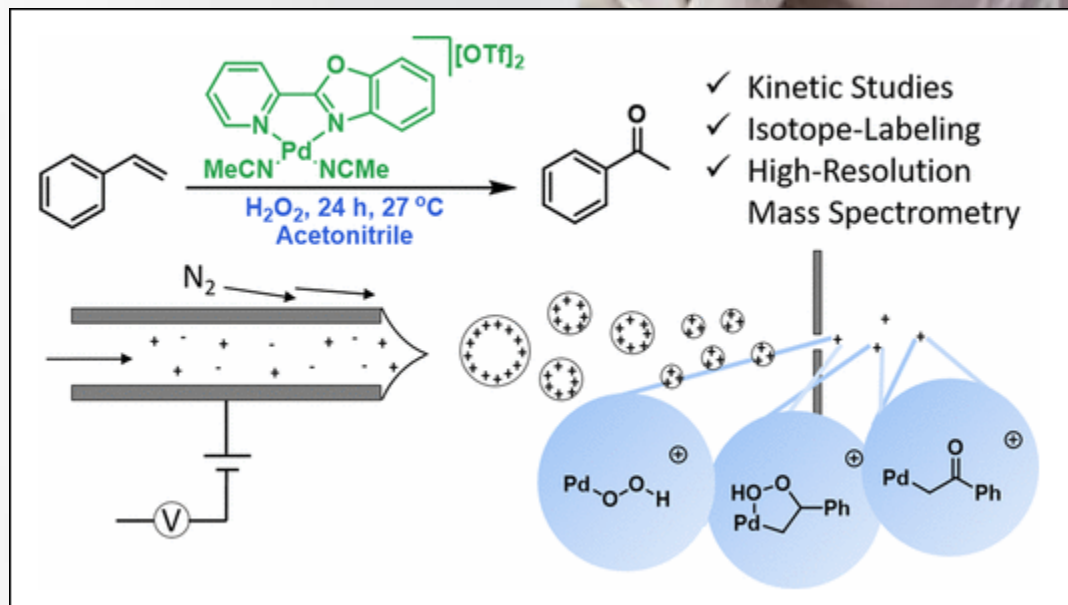
写成设问句: **Why ..... ?**



# Graphics 图片

优秀的图片，直观地讲述科研中的故事。

- 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

这些是合格的图片吗？



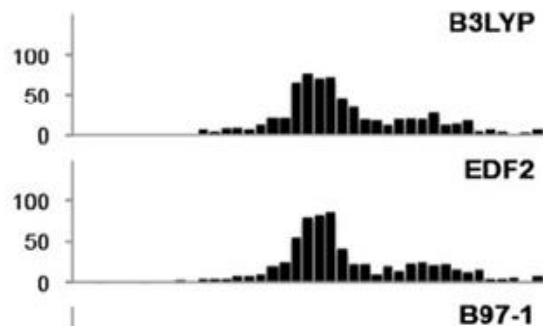
## GOOD GRAPHICS



This graphic has a good balance of images and description. All of the type is crisp and easy to read.



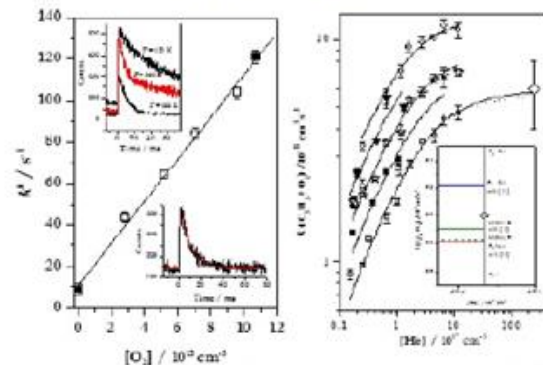
## POOR GRAPHICS



Graphic is uninteresting and not informative.



## POOR GRAPHICS



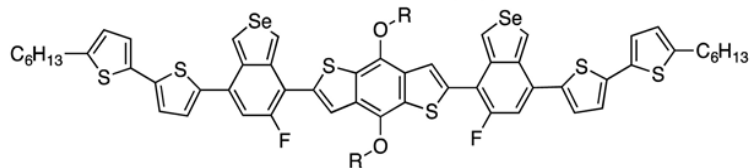
Graphic is very cluttered and most of the fonts are too small or faint to be readable.



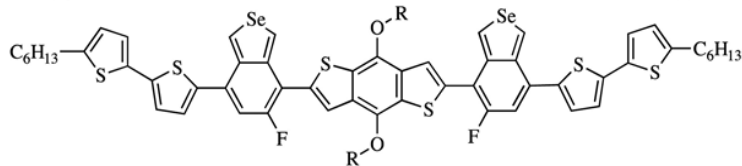
# Graphics 图片

## How to draw chemical Compounds with ChemDraw ?

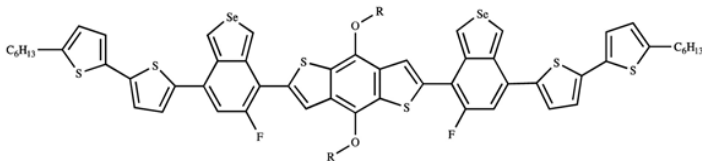
**Good:** ACS document setting (Helvetica)



**Not great:** ACS document setting, font changed to Times



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



**Question:** Which font looks best in a scientific figure?

**Answer:**

**Arial or Helvetica, always.**

Materials (Arial)

Materials (Helvetica)

Materials (Times)

Materials (Times New Roman)

Materials (Calibri)

Times is a 'serif font' ○ = serif

Helvetica is a sans-serif font



# Graphics 图片

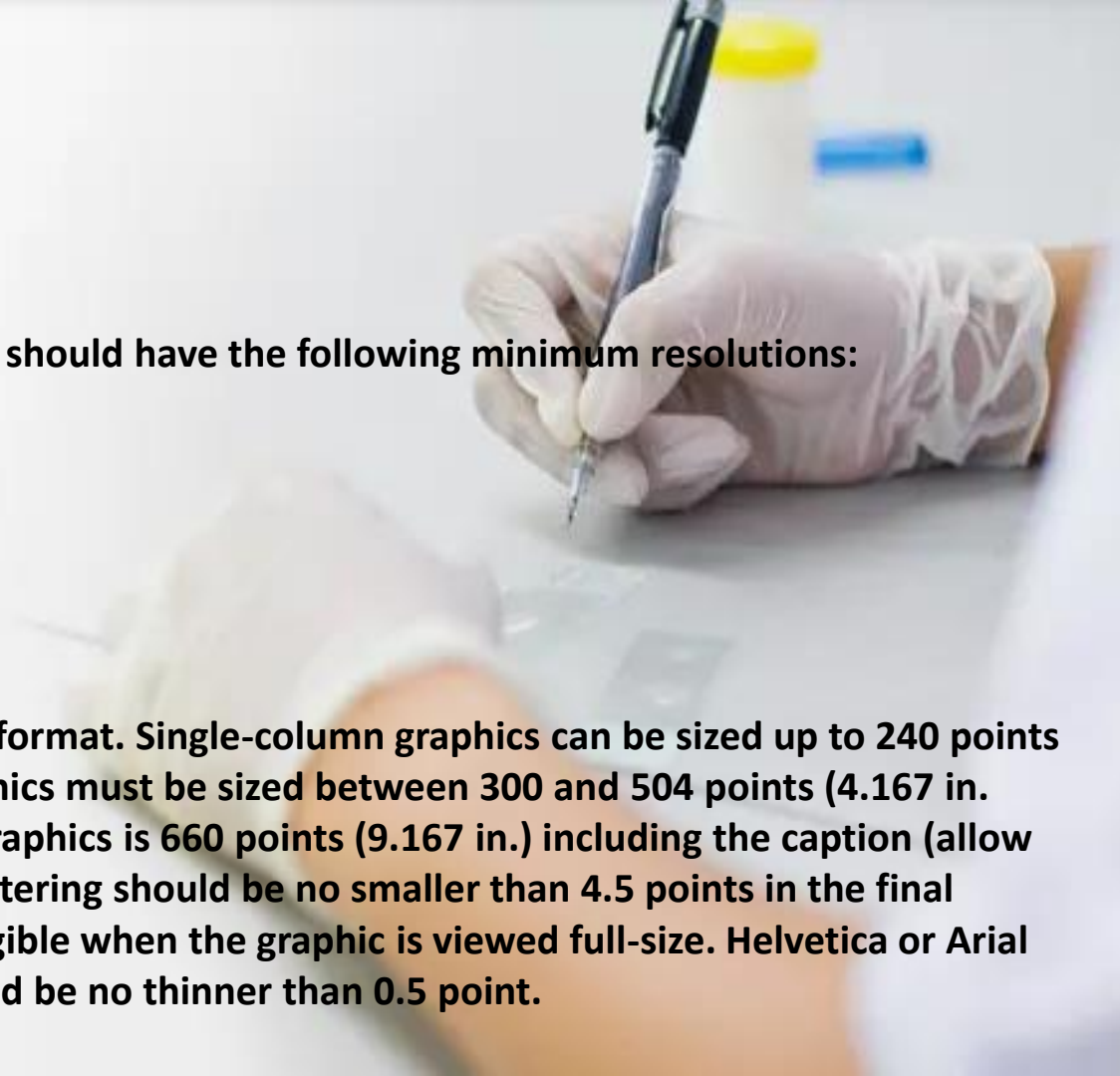
## Resolution

Digital graphics pasted into manuscripts should have the following minimum resolutions:

- Black and white line art, 1200 dpi
- Grayscale art, 600 dpi
- Color art, 300 dpi

## Size

Graphics must fit a one- or two-column format. Single-column graphics can be sized up to 240 points wide (3.33 in.) and double-column graphics must be sized between 300 and 504 points (4.167 in. and 7 in.). The maximum depth for all graphics is 660 points (9.167 in.) including the caption (allow 12 pts. For each line of caption text). Lettering should be no smaller than 4.5 points in the final published format. The text should be legible when the graphic is viewed full-size. Helvetica or Arial fonts work well for lettering. Lines should be no thinner than 0.5 point.



# 语言文字表述 Language and Text

## 写作的目的

简化，准确

避免个人感情色彩

语句使用的准确性是高效写作的目标

有哪些常见的英文写作误区需要避免呢？



# 语言文字表述 Language and Text

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**

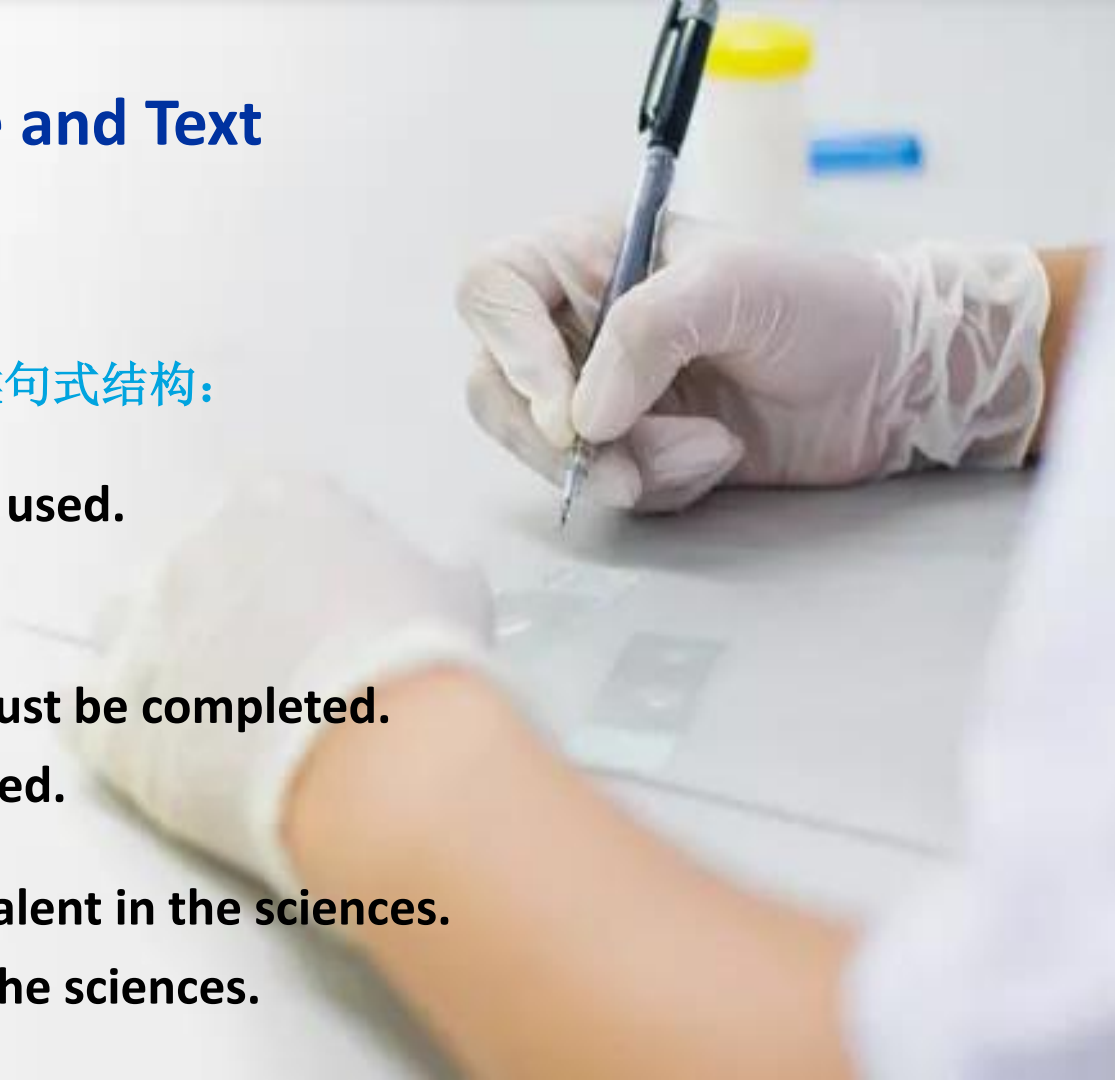


# 语言文字表述 Language and Text

避免使用不恰当的词语

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.**
  
- ✗ **This is a problem that is prevalent in the sciences.**
- ✓ **This problem is prevalent in the sciences.**



# 语言文字表述 Language and Text

常见的易混淆的单词和短语

**Comprise V.S. Compose**

**✗ A book is comprised of chapters.**

**✓ A book comprises chapters.**

**✓ A book is composed of chapters.**





# 语言文字表述 Language and Text

## 使用性别中立语言

~~Policeman~~ Police officer

~~Chairman~~ Chair

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

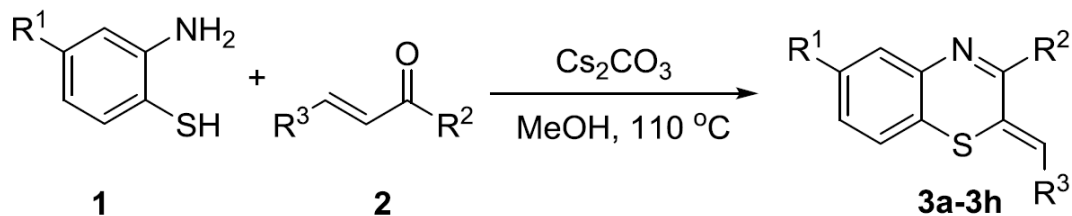
~~Stewardess~~ Flight attendant

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

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

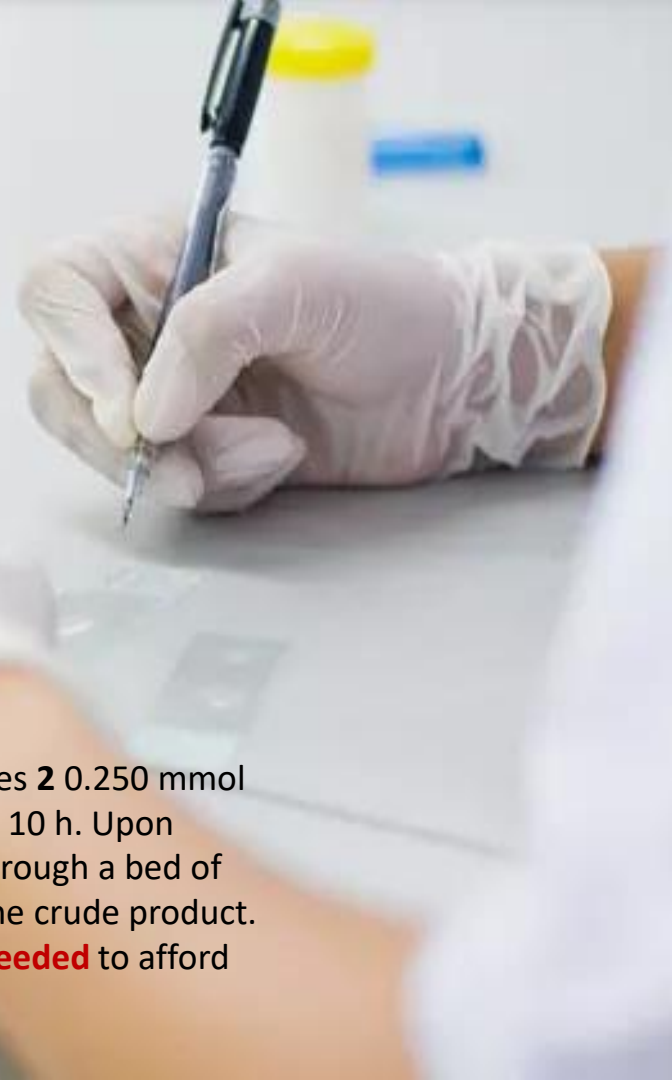
# 语言文字表述 Language and Text

## Supporting Information 写作案例



**General procedures for the reaction of otho-aminobenzenethiols with  $\alpha,\beta$ -unsaturated ketones:**

A mixture of otho-aminobenzenethiols **1** 0.375 mmol,  $\alpha,\beta$ -unsaturated ketones **2** 0.250 mmol and Cs<sub>2</sub>CO<sub>3</sub> 0.125 mmol in MeOH (1.0 mL) **was stirred** at 110 °C under air for 10 h. Upon completion, the reaction mixture **was diluted** with EtOAc (4.0 mL), **filtered** through a bed of silica gel layered over Celite. The volatiles **were removed** in vacuo to afford the crude product. Further column chromatography on silica gel (EtOAc/petroleum ether) **was needed** to afford the pure desired products **3a-3h**.



## FORMATTING CONVENTIONS

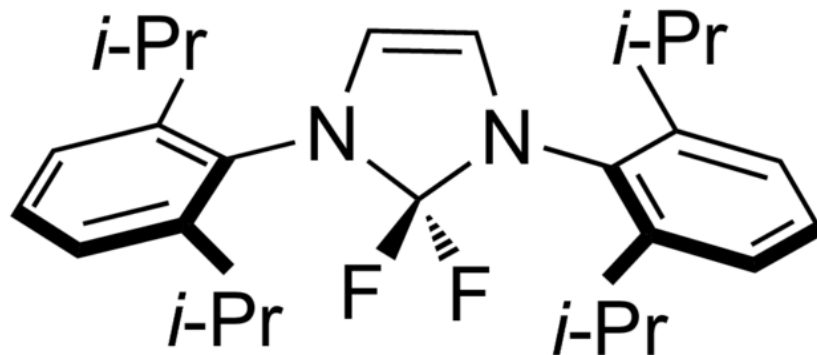
Reagents and solvents are lowercase in all text, tables, and graphics:

- toluene
- acetone

试剂 / 溶剂: 甲苯 **toluene**, 丙酮 **acetone**

Trade names and proper nouns are capitalized in all text, tables, and graphics:

- PhenoFluor



**Synonym:**

**1,3-Bis(2,6-diisopropylphenyl)-2,2-difluoro-4-imidazoline**

## TABLE FORMATTING

Sample Table

制作表格

entry	acid	cat. (mol %)	solvent	time (h)	compd	yield (%)
1	3a	2 (5)	CH <sub>2</sub> Cl <sub>2</sub>	12	1a	35
2	3a	6 (20)	MeOH	24	1b	72

Column headings:

首行：小写，gray 15%

- Lowercase
- Light gray background shading (select gray 15% in Word)

Units of measure next to column headings – acceptable formats:

计量和单位

- Parentheses: yield (%)    time (h)
- Comma:            yield, %    time, h
- Slash:            yield/%    time/h

No lines

# Cover Letter 投稿信

致某位 ACS 期刊编辑

Dear Professor XXX

标题是什么，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. (具有亮点的關鍵性数据)





# ALL ABOUT **ACS JOURNALS**

学术道德与审稿知识

# 常见的违反学术道德的情况

- 自我抄袭
- 一稿多投
- 数据造假或篡改
- 有问题的原创作者

# 什么是同行评议 Peer Review ?

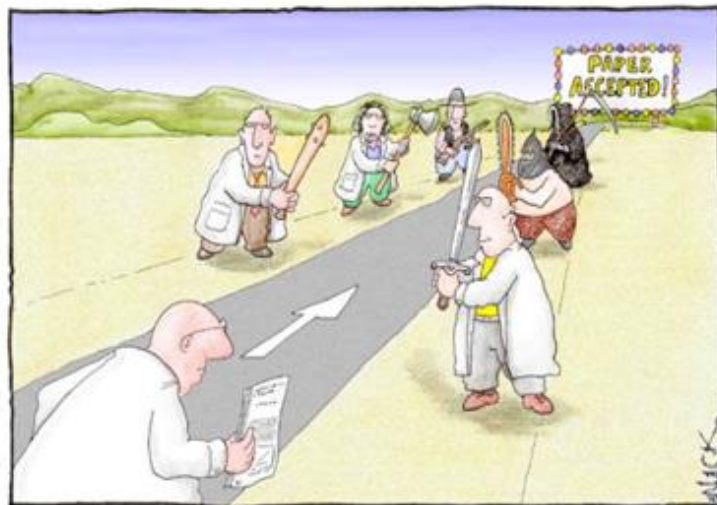
## 同行评议 Peer Review

是学术交流尤其是期刊的根基。

稿件在出版之前交给同一领域的专家进行评审的过程。

一般至少两位审稿人把评议报告交给有最终决定权的编辑。

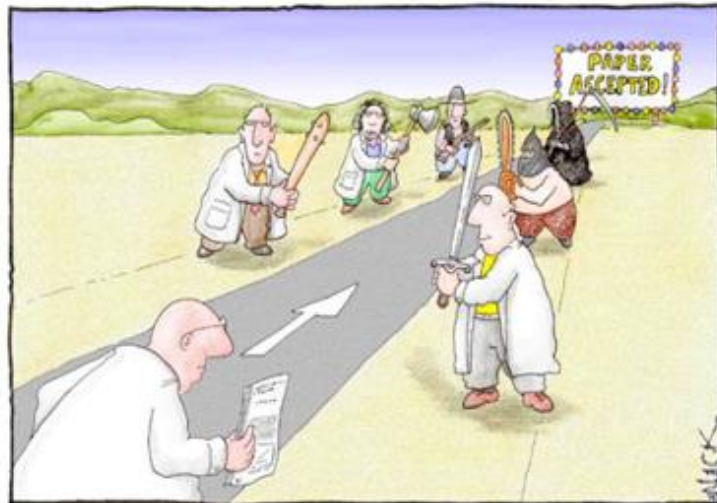
尽管同行评议有一些缺陷，但这种方式在学术界仍然被广泛使用。



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

# 什么是同行评议 Peer Review ?

1. 相对公平，降低主观性
2. 客观存在但能减少学术偏见
3. 杜绝论文抄袭、造假和其它利益冲突
4. 筛选与分级，保证学术期刊的高标准
5. 评审人的意见会帮助编辑做出最终的决定



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

## 回复评审意见

1. 阅读评语和编辑决定
2. 如何回复 (及时, 注意期限, 你的改动是什么?)
3. 如果有不同意见, 请用科学的语言回复 (特殊情况: 申诉)



## 编辑收到审稿人的意见后：

仔细阅读稿件

分析评审报告

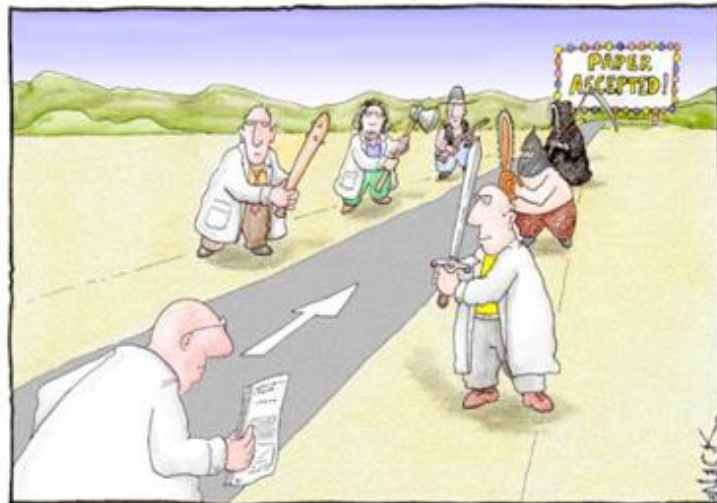
给作者做出一个最终的决定

## 编辑做出的决定有三种：

**Accept:** 接收

**Revise:** 修改

**Reject:** 拒稿



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



Questions ?



讲座问卷题目  
微信扫一扫