

ACS期刊论文投稿与写作



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- 1 ACS期刊和平台
- 2 ACS投稿与写作
- 3 学术道德和同行评议

主讲人：赵璟

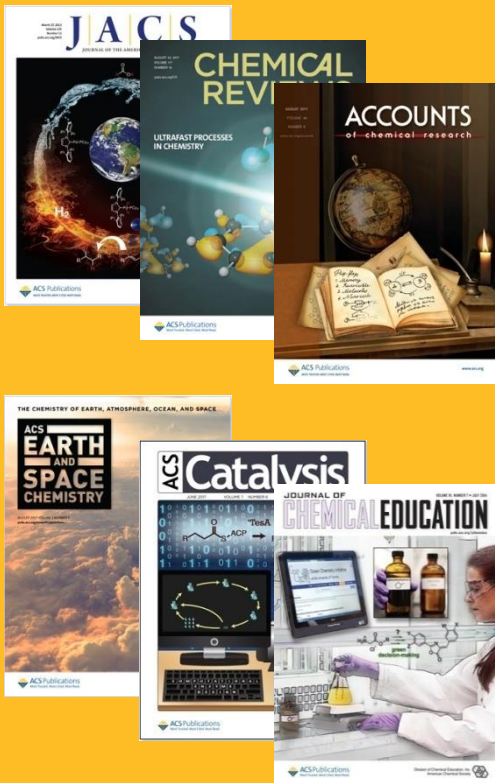
1 ACS期刊和平台

ACS美国化学会是全球最大的科技学会

- 成立于1876年，至今拥有超过16万名会员
- 众多诺贝尔奖得主和顶尖的研究者
- 为高校和企业提供高品质的科技文献
- 促进化学及相关学科的交流与发展，推动行业进步



ACS期刊简介



- **58种 高品质的学术期刊**
 - 均为 SCI 收录
 - 半数的期刊影响因子IF超过5
 - 在12个化学核心和相关学科具有最高的引用量或影响因子
- **化学领域最高的引用量**
2018年被引用次数超过 340 万
- 被 Journal Citation Report (JCR) 评为
“化学领域被引用次数最多的期刊”

覆盖广泛的学科领域

普通化学

晶体学

无机化学

有机化学

物理化学

分析化学

高分子科学

材料科学

纳米科学

化学工程

能源与燃料

环境科学

食品科学与技术

农学与林学

理论化学

计算化学

化学信息学

分子生物学

生物化学

生物技术

临床化学

药物化学

药理学和药剂学

毒理学

两本综述型期刊

Accounts of Chemical Research

(影响因子**21.661**) 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。

Chemical Reviews

(影响因子**54.301**) 主要发表关于开创性研究的权威综述，这些综述在化学领域中被公认是最全面的。



21.661
Impact Factor

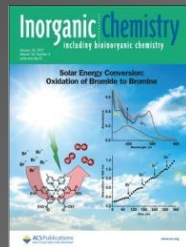


54.301
Impact Factor

基础化学领域：无机、有机、物化、分析



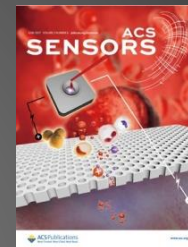
Crystal Growth & Design
IF = 4.153



Inorganic Chemistry
IF = 4.850



Analytical Chemistry
IF = 6.350



ACS Sensors
IF = 6.944



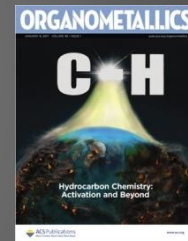
The Journal of Organic Chemistry
IF = 4.745



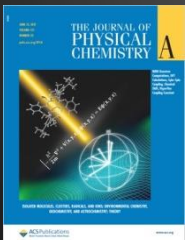
Organic Letters
IF = 6.555



Organic Process Research & Development
IF = 3.327



Organometallics
IF = 4.100



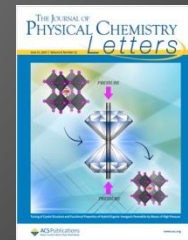
The Journal of Physical Chemistry A
IF = 2.641



The Journal of Physical Chemistry B
IF = 2.923

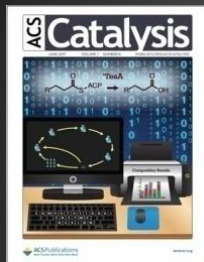


The Journal of Physical Chemistry C
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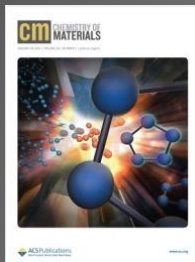
The Journal of Physical Chemistry Letters
IF = 7.329

催化



**ACS
Catalysis**
IF = 12.221

材料



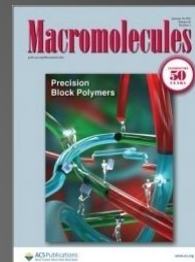
**Chemistry of
Materials**
IF = 10.159

纳米科学



**ACS
NANO**
IF = 13.903

高分子



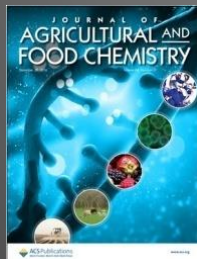
Macromolecules
IF = 5.997

药物化学



**Journal of
Medicinal
Chemistry**
IF = 6.054

农业与食品化学



**Journal of
Agricultural
and Food
Chemistry**
IF = 3.571

化学工程



**Industrial &
Engineering
Chemistry
Research**
IF = 3.375

环境科学与技术



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J. Am. Chem. Soc. 2019, 141, 3171
Guo, Zhang, Zhu

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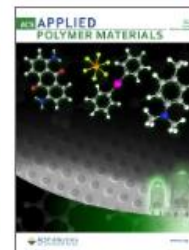
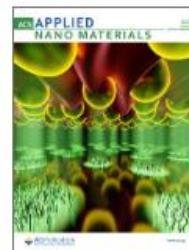
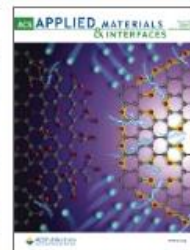
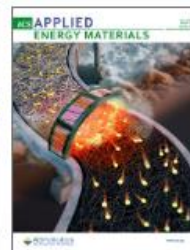
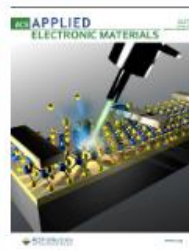
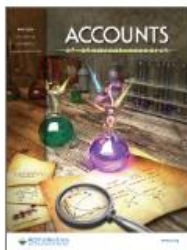
35,000 Book Chapters

1,000 References & Standards

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Molecular Optimization Enables over 13% Efficiency in Organic Solar Cells

Wenchao Zhao^{††}, Sunsun Li^{††}, Huifeng Yao^{††}, Shaoqing Zhang^{††}, Yun Zhang^{††}, Bei Yang^{††} and Jianhui Hou^{††}

Hide Author Information ^

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Publication Date: May 17, 2017

<https://doi.org/10.1021/jacs.7b08000>

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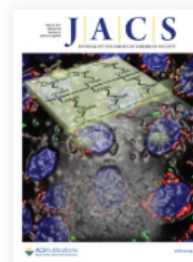
Abstract

A new polymer donor-acceptor molecular complex free organic solar cells (OSCs) were designed and synthesized. The influences of fluorination on the absorption spectra, molecular energy levels, and charge mobilities of the donor and acceptor were systematically studied. The PBDB-T-SF:IT-4F-based OSC device showed a record high efficiency of 13.1%, and an efficiency of over 12% can be obtained with a thickness of 100–200 nm, suggesting the promise of fullerene-free OSCs in practical applications.

Abstract 摘要

标题和作者

机构信息

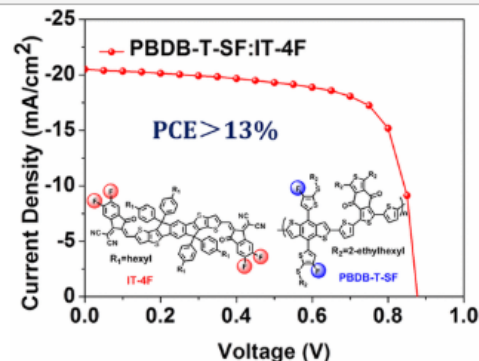


Journal of the American Chemical Society

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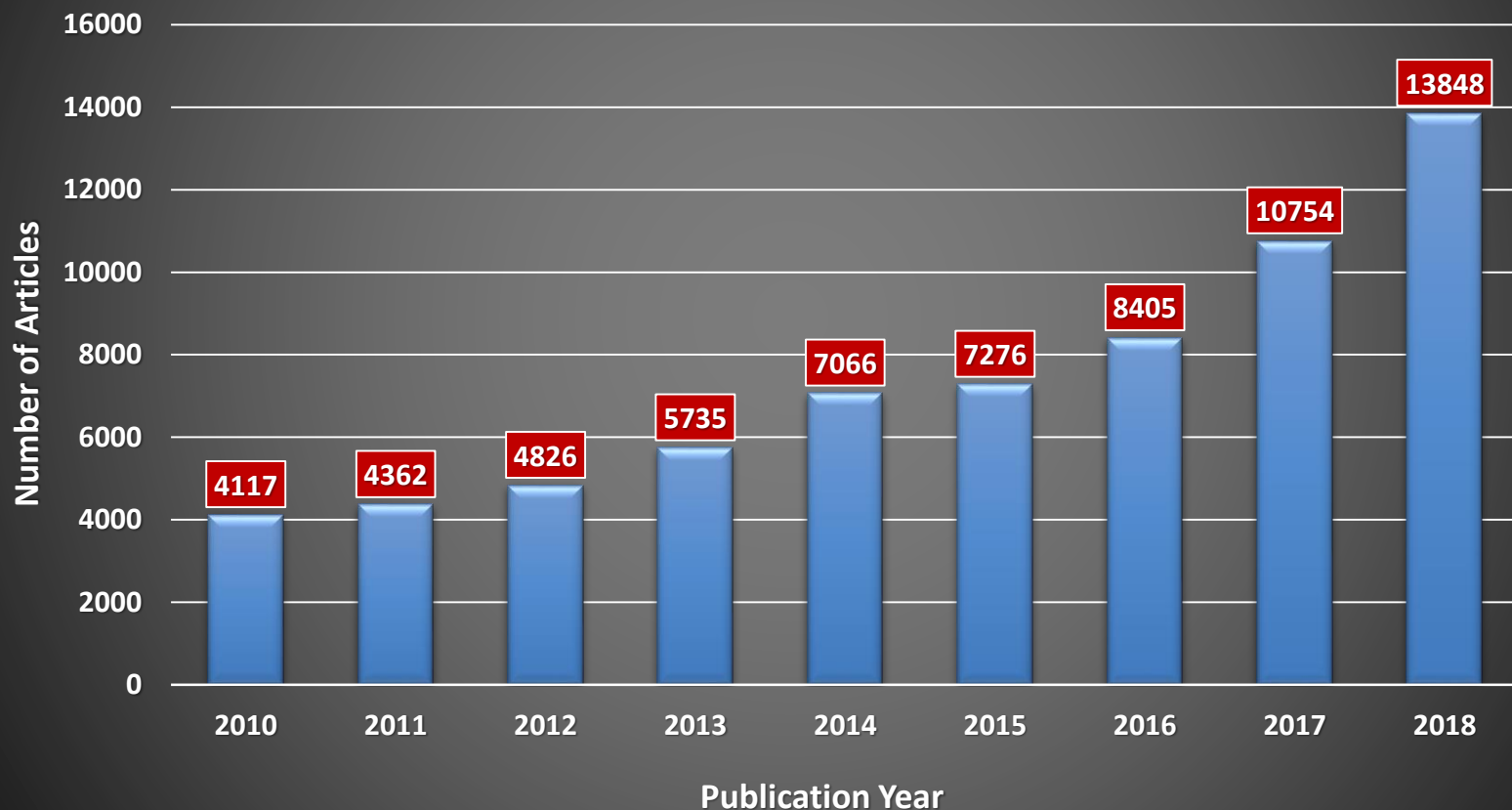
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2 ACS期刊投稿

SCI科技论文写作

中国作者在 ACS 期刊的发文数量 (2010 - 2018)



高影响因子的ACS期刊

发表所有化学相关的学科领域的著作，要求是其研究工作达到最高水准和新颖性



54.301
Impact
Factor



21.661
Impact
Factor



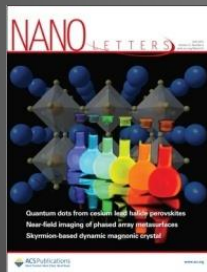
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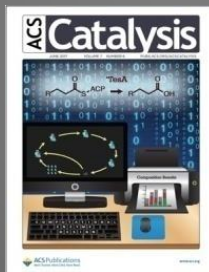
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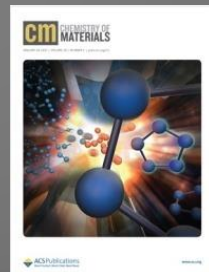
ACS
NANO
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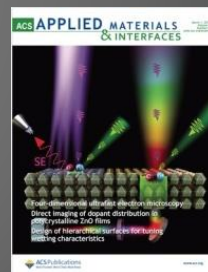
NANO
Letters
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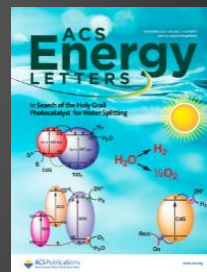
ACS
Catalysis
IF = 12.221



Chemistry of
Materials
IF = 10.159



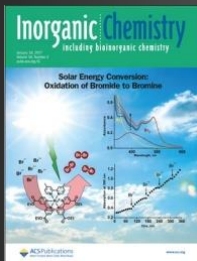
ACS Applied
Materials
& Interfaces
IF = 8.456



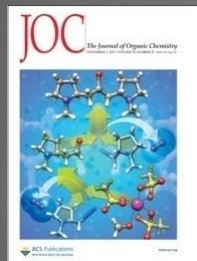
ACS Energy
Letters
IF = 16.331

多学科的“合理科学”期刊

要求该研究在科学上是有效的，但不要求对重要性或新颖性进行主观评价。大多数的期刊都有一个更窄的主题范围并强调重要性，投稿时能了解该稿件是否适合该期刊



Inorganic Chemistry
IF = 4.850



The Journal of Organic Chemistry
IF = 4.745



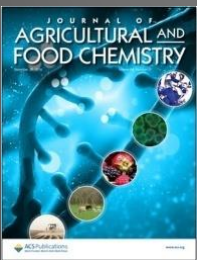
Organic Letters
IF = 6.555



Analytical Chemistry
IF = 6.350



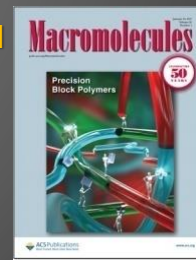
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IF = 6.054



Journal of Agricultural and Food Chemistry
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Environmental Science & Technology
IF = 7.149



Macromolecules
IF = 5.997



ACS期刊投稿流程

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期刊投稿指南 **Author Guidelines**

期刊范围 **Journal Scope**

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期刊出版协议 **Copyright and Permissions**

资金提供来源 **Funder Reporting Requirement**

第三步：写作 准备你的稿件

投稿模板 **Document Templates**

格式和语言 **Writing Style and Language**

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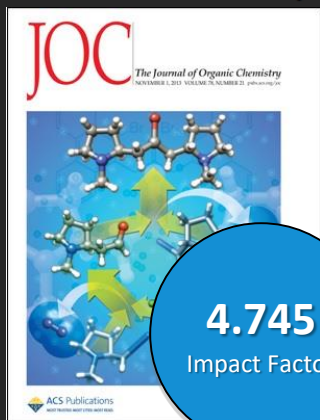
The Journal of Organic Chemistry

Guidelines for Authors

Updated January 2018

1 Scope and Editorial Policy

1.1 Scope of the Journal



JOC期刊范围:

有机化合物的全合成，多步合成，短路径靶向结构合成
新合成方法需要展现全新的思路概念
天然产物的分离和鉴定报道新的化合物骨架特点和分析
鉴定方法的进展

SCI 科技论文基本结构

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

稿件模板 Template for Submission of Manuscripts to American Chemical Society Journals

TITLE (Word Style "BA_Title"). The title should accurately, clearly, and concisely reflect the emphasis and content of the paper. The title must be brief and grammatically correct. The space above the title is provided for the Journal logo. Do NOT delete this space.⁴

AUTHOR NAMES (Word Style "BB_Author_Name"). Substantial contributions to the work, even if they are not first names, initials, and surnames (e.g., John Doe), must be included. Do not use only initials (e.g., J. Robert Smith). Do not use only initials in causes indexing and retrieval difficulties and in not include professional or official titles or academic degrees. Indicate the author to whom correspondence should be addressed with an asterisk as the author to whom correspondence should be addressed.

AUTHOR ADDRESS (Word Style "BC_Author_Address"). The address should be the present address of an author differs from the address at which the work was conducted. If the present address of an author differs from the address at which the work was conducted, give the Present Address under Author Information. Do not include professional or official titles or academic degrees. Indicate the author to whom correspondence should be addressed with an asterisk as the author to whom correspondence should be addressed.

KEYWORDS (Word Style "BG_Keywords"). If you are submitting a manuscript, include a list of significant keywords to aid the reader in literature retrieval.

ABSTRACT: (Word Style "BD_Abstract"). All manuscripts must include an abstract. The abstract should state the problem or purpose of the research, indicate the findings, and point out the major conclusions. Abstract length should be limited to 250 words.

TEXT (Word Style "TA_Main_Text"). For full instructions, please see the journal's Instructions for Authors. Do not modify the font in this or any other section, as doing so will not give an accurate estimate of the formatting for publication and final length of the paper.⁴

FIGURES (Word Style "VA_Figure_Caption"). Each figure must have a caption that includes the figure number and a brief description, preferably one or two sentences. The caption should follow the format "Figure 1. Figure caption." All figures must be mentioned in the text consecutively and numbered with Arabic numerals. The caption should be understandable without reference to the text. Whenever possible, place the key to symbols in the artwork, not in the caption. To insert the figure into the template, be sure it is already sized appropriately and paste before the figure caption. For formatting double-column figures, see the instructions at the end of the template. Do NOT modify the amount of space before and after the caption as this allows for the rules, space above and below the rules, and space above and below the figure to be inserted upon editing.⁴

SCHEMES (Word Style "VC_Scheme_Title"). Groups of reactions that show action are called schemes.

Schemes may have brief titles describing their contents. The title should follow the format "Scheme 1. Scheme Title". Schemes may also have footnotes (use Word Style "FD_Scheme_Footnote"). To insert the scheme into the template, be sure it is already sized appropriately and paste after the scheme title. For formatting double-column schemes, see the instructions at the end of the template. Do NOT modify the amount of space before and after the title as this allows for the rules, space above and below the rules, and space above and below the scheme to be inserted upon editing.⁴

CHARTS (Word Style "VB_Chart_Title"). Groups of structures that do not show action are called charts. Charts may have brief titles describing their contents. The title should follow the format "Chart 1. Chart Title". Charts may also have footnotes (use Word Style "FC_Chart_Footnote"). To insert the chart into the template, be sure it is already sized appropriately and paste after the chart title. For formatting double-column charts, see the instructions at the end of the template. Do NOT modify the amount of space before

标题，摘要，图片，语言

Title 起一个引人注目的标题

简明，包含本研究最核心的信息，通常是名词性的结构

CONCISE, Contains relevant information

避免

- 难以理解的缩写
- 复杂的语法或用语
- 难以证实的断言或者主观的词语，比如 “**first**” and “**only**”等
- 把标题写成设问句

TOPIC - focussed (What is it about ?)

RESULT - focussed (What did we find ?)

方法：组合重要的字段

科学意义：需要读者去体会

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

J. Am. Chem. Soc., 2017, 139 (36), pp 12495–12503 催化氧化的机理研究

Radical Route to 1,4-Benzothiazine Derivatives from 2-Aminobenzenethiols and Ketones under Transition-Metal-Free Conditions

Org. Lett., 2016, 18 (24), pp 6424–6427 某种化合物的新合成方法

11-Step Total Synthesis of Pallambins C and D

J. Am. Chem. Soc., 2016, 138 (24), pp 7536–7539 某个天然物的全合成

Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis

Chem. Rev., 2016, 116 (6), pp 3722–3811 综述文献 Review Article

Abstract 摘要

ACS Abstract Guide 摘要文字的若干组成部分

Objective/Sensing Issue | How this was addressed | Findings

Example of an abstract for a conceptual paper

A challenge for sensors detecting ultralow amounts of analyte is that for reliable sampling, large volumes of samples must be analyzed. The implication of large volumes is slow response times. Herein, we introduce the concept of utilizing conductive gold-coated magnetic nanoparticles (Au@MNPs) as 'dispersible electrodes', which serve as the active element in the selective capture and direct electro-analytical quantification of analytes. The Au@MNPs are modified with self-assembled monolayers containing a peptide for the selective detection of Cu^{2+} . The particles scavenge any Cu^{2+} in solution and are then magnetically drawn back to the macroelectrode where the Cu^{2+} is detected amperometrically. This concept reduces response times and decreases detection limits by bringing the sensor to the analyte rather than the conventional paradigm of the analyte finding the sensor. The higher sensitivity and lower detection limit is shown to be because all the analyte in the sample is collected, while the shorter response times are because by dispersing the Au@MNPs in solution, the diffusional pathlength of the analyte is drastically reduced.

Graphics 图片

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

TOC Graphics

TOC作图要求:

- 简单, 信息丰富
- 直观地描述研究工作

Article

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

Katherine L. Walker[†] , Laura M. Dornan^{†‡} , Richard N. Zare[†] , Robert M. Waymouth^{††} , and Mark J. Muldoon^{†‡} 

[†] Department of Chemistry, Stanford University, Stanford, California 94305, United States

[‡] School of Chemistry and Chemical Engineering, Queen's University Belfast, Belfast, Northern Ireland, BT9 5AG, United Kingdom

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

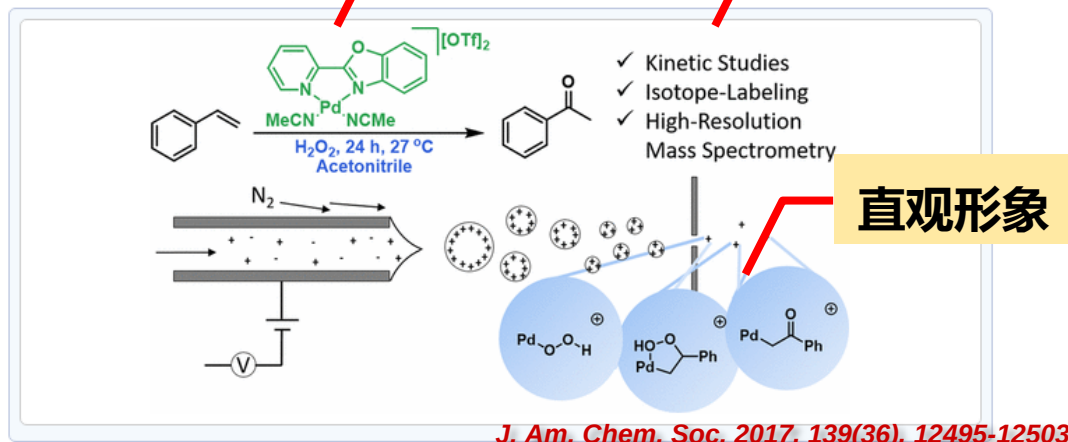
DOI: 10.1021/jacs.7b05413

Publication Date (Web): August 29, 2017

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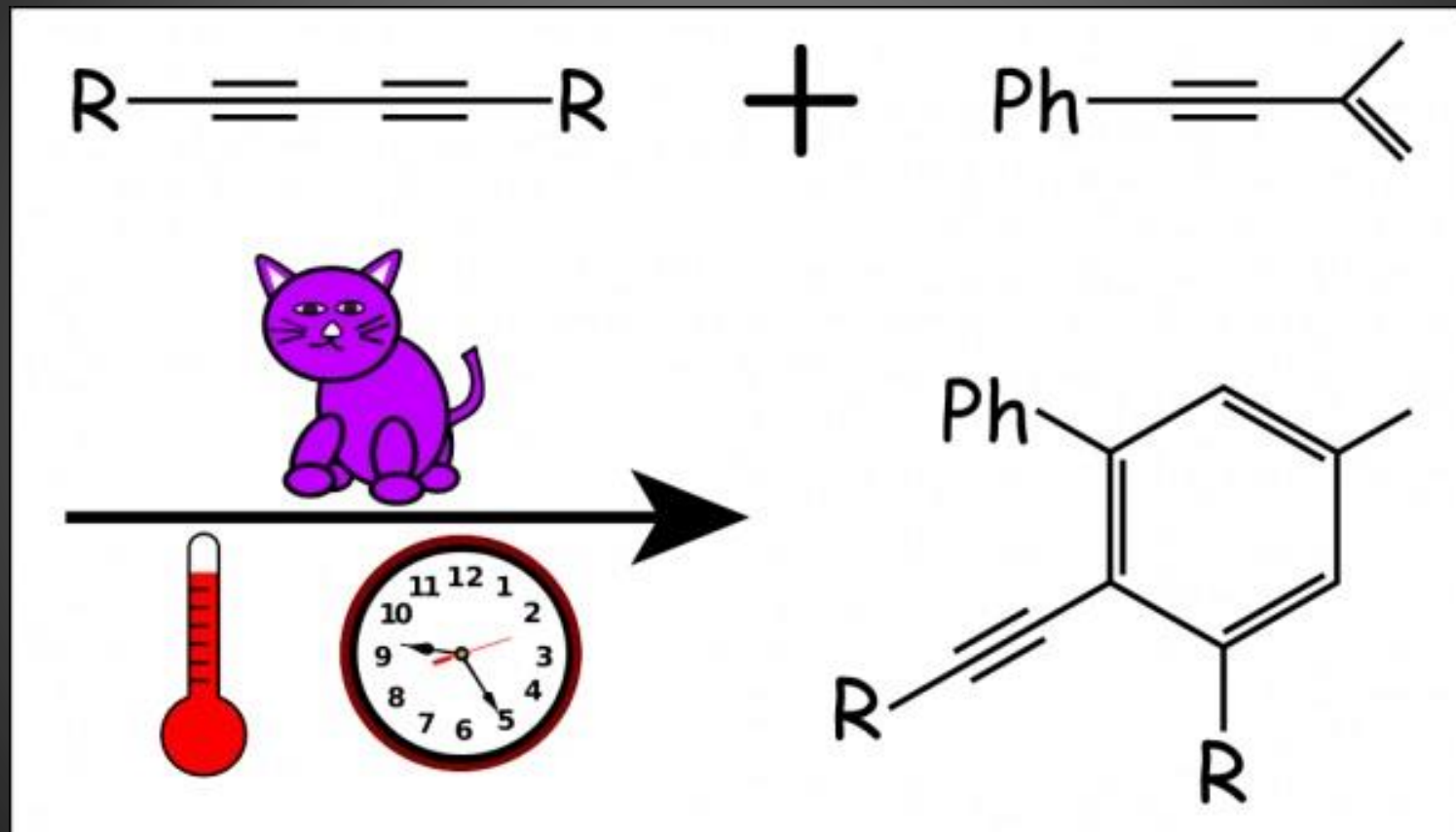
Abstract



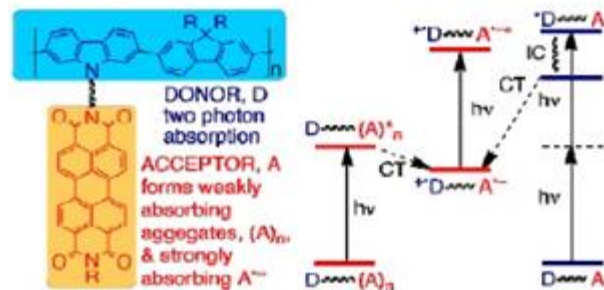
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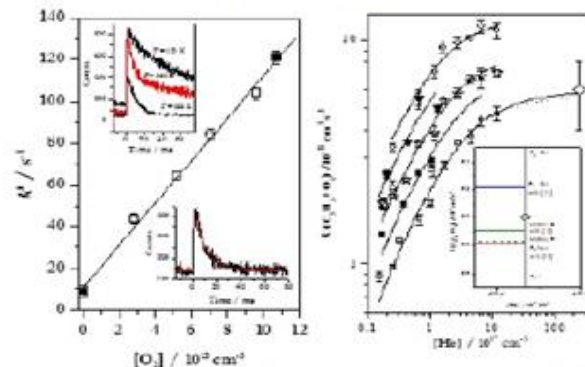
GOOD GRAPHICS



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



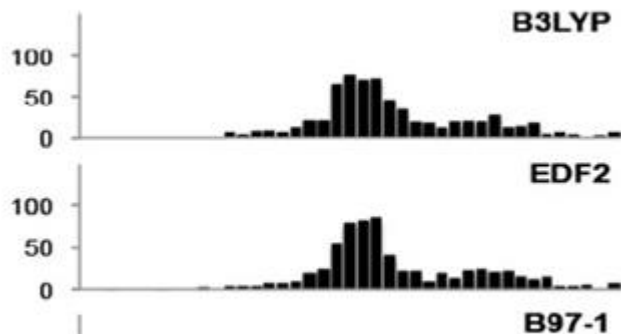
POOR GRAPHICS



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



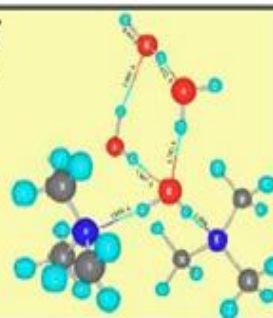
POOR GRAPHICS



Graphic is uninteresting and not informative.

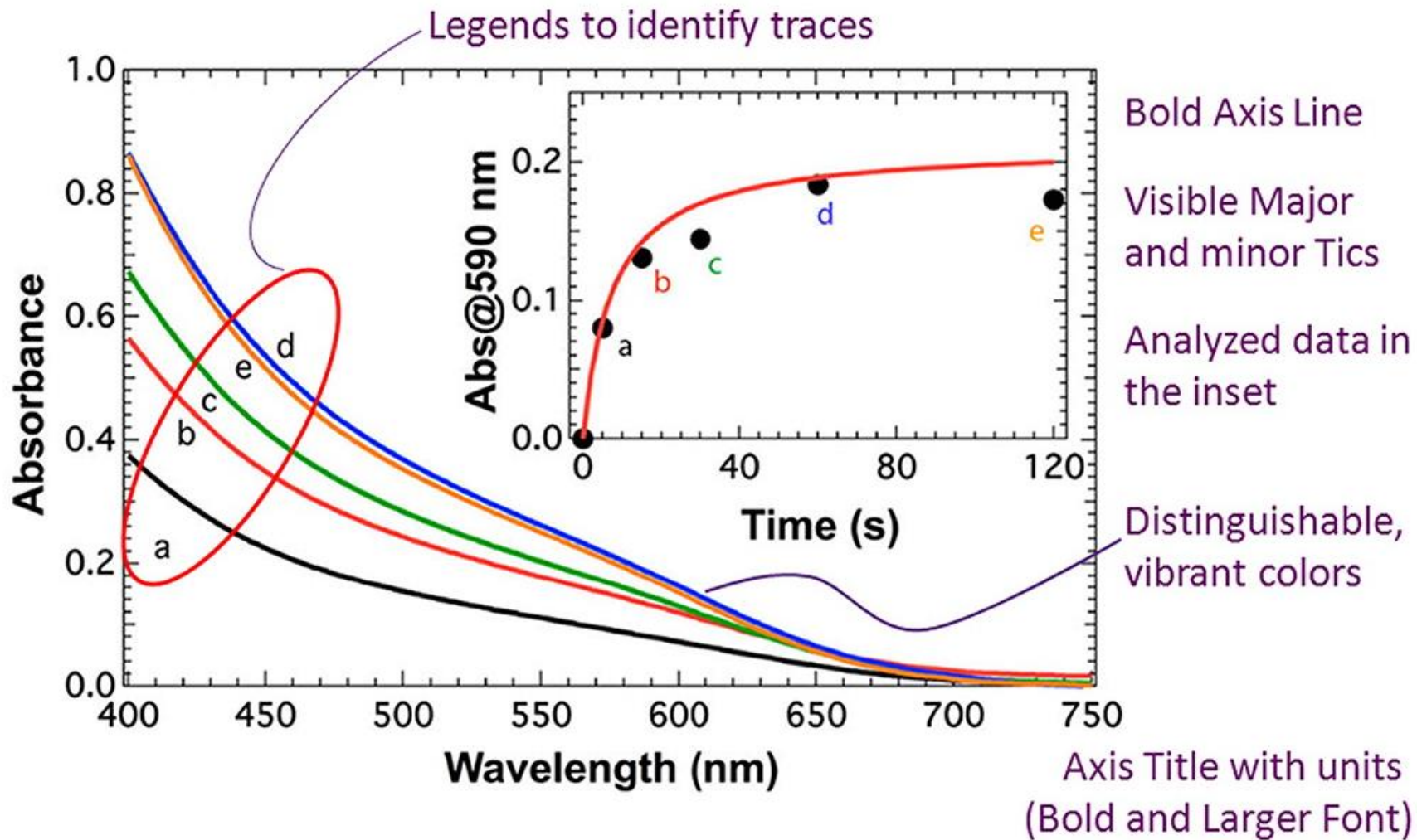


*H-bonded
Trimethyl
amine-
Water
Cluster*



The font is too big, the image says nothing about the article, and the type on the image is unreadable.





Minimum Resolution:

Black and white line art **1200 dpi**

Grayscale art **600 dpi**

Color art **300 dpi**

Size:

single-column graphics

240 points wide

double-column graphics

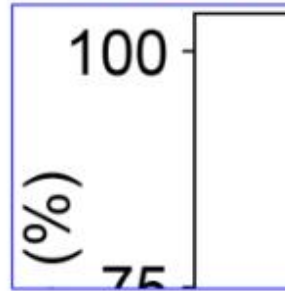
300 and 504 points

maximum depth **660 points**

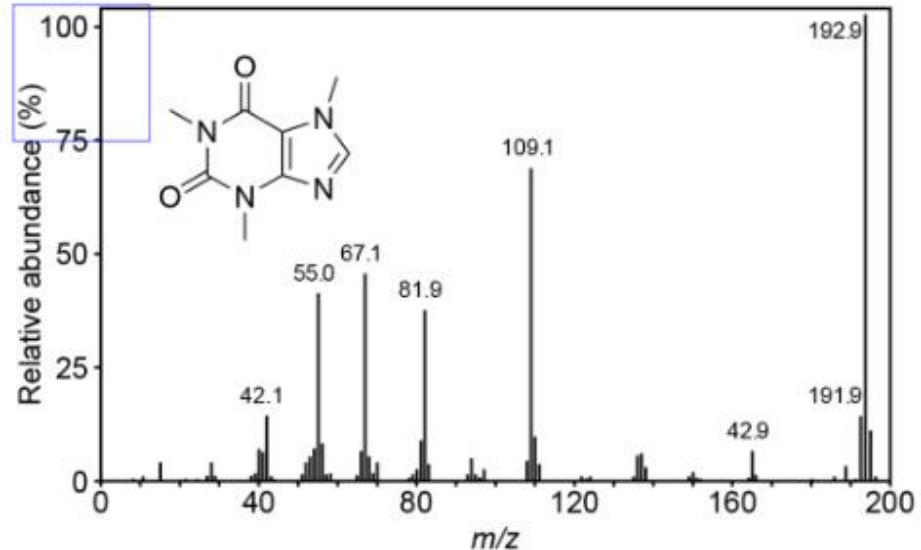
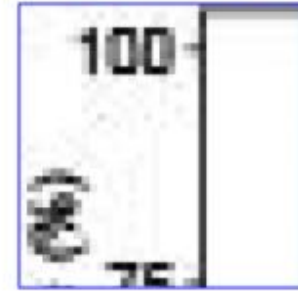
including **Caption** (allow **12 pts.**)

Fonts: Helvetica or Arial

High
Resolution



Unacceptable
Resolution



Language and Text 语言文字表述

- 专业词汇的积累
- IUPAC 和 缩写
- 母语和英语的不同
- 不断练习
- 客观表达 避免主观语句
- 逻辑清晰 > 句式复杂
- 自我修改 / 他人修改
- 写作编辑服务
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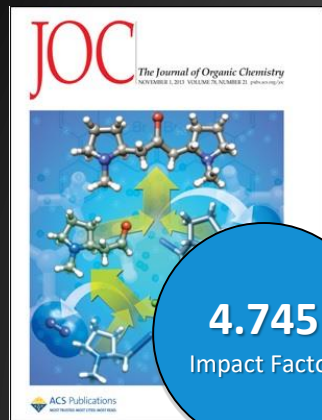
Abstract

Pulmonary vessel stapling is the most important but challenging part ~~in of~~ thoracoscopic pulmonary lobar and segmental resection. Many thoracoscopy specialists use ~~a~~ guiding method with ~~an~~ introducer ~~for stapler applying to apply staples. After~~ Since the ~~commercialization~~ introduction of the modified stapler with ~~a~~ curved ~~and angular~~ anvil tip, ~~more and more~~ surgeons ~~prefer applying have come to prefer stapling~~ pulmonary vessels without guidance. However, many problems ~~are still concerned~~ ~~when using~~ remain with the use of this new product in current clinical practice. ~~We~~ Here we propose an easy method with ~~an~~ additional handmade Nelaton cap applied at the anvil tip of ~~the~~ stapler. Through this ~~instrumental~~ modification ~~of the instrument~~, we may perform pulmonary vessel stapling without the aid ~~of an~~ introducer and reduce the possibility of vascular injury during the looping and ~~the~~ dividing of the pulmonary vessels by the staplers ~~with using~~ a safer and lower cost method.

Introduction

Pulmonary vessel dissection ~~was is~~ the most technically ~~-~~ demanding part ~~in of~~ thoracoscopic pulmonary lobectomy, and the surgical technique ~~used for it has~~ evolved ~~much~~ ~~greatly~~ with the development of new instruments. Since the commercialization of the flexible Endo ~~-~~ GIA™, ~~anvil applying to the application of the anvil to the~~ pulmonary vessel ~~was much easier from optimal~~ ~~directions~~ ~~has become optimized~~. However, it ~~is still remains~~ critical ~~concern~~ during surgery to ~~put pass the~~ anvil of ~~the~~ stapler ~~pass through the~~ pulmonary vessels, and various methods ~~was reported~~ such as ~~the~~ Penrose drain tube or Nelaton ~~tube tube~~ guided^[1] methods ~~have been reported~~. The current product^[2], ~~a~~ curved-tip stapler, was invented from the proto-type of ~~a~~ long guiding tube placed over ~~the~~ stapler tip. ~~There are still~~ Both methods have concerns and drawbacks ~~with both methods and both~~ ~~methods and~~ require further modifications. ~~We~~ Here we propose ~~and invent~~ a new design ~~we invented~~ in our recent daily practice, ~~which that~~ is now our ~~most~~ preferred approach ~~for to~~ pulmonary vessel stapling.

怎样把格式写得更漂亮



4.745

Impact Factor

The Journal of Organic Chemistry

Author Guidelines:

http://pubsapp.acs.org/paragonplus/submission/joceah/joceah_authguide.pdf?

Standard Abbreviations and Acronyms:

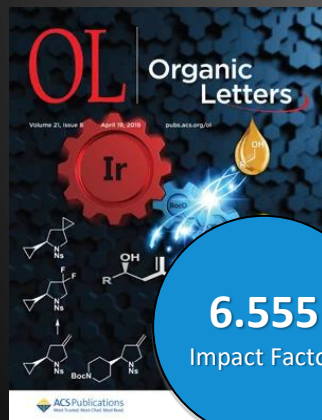
http://pubsapp.acs.org/paragonplus/submission/joceah/joceah_abbreviations.pdf?

Compound Characterization Checklist:

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Crystallographic Information File:

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Organic Letters

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Common Abbreviations & Formatting Checklist:

http://pubsapp.acs.org/paragonplus/submission/orlef7/orlef7_abbreviations_checklist.pdf?

FORMATTING CONVENTIONS

- ☐ Reagents and solvents are lowercase in all text, tables, and graphics:
 - toluene
 - acetone

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

- ☐ Compound numbers are **bolded** in all text, tables, and graphics:
 - compound **5**
 - compounds **6a-j**

- ☐ Space before and after mathematical operators:
 - 5 + 7
 - time = 5 h

- ☐ No space between mathematical symbols and numbers:
 - <50
 - 45%
 - 1:9

TABLE FORMATTING

Sample Table

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

☐ Column headings:

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

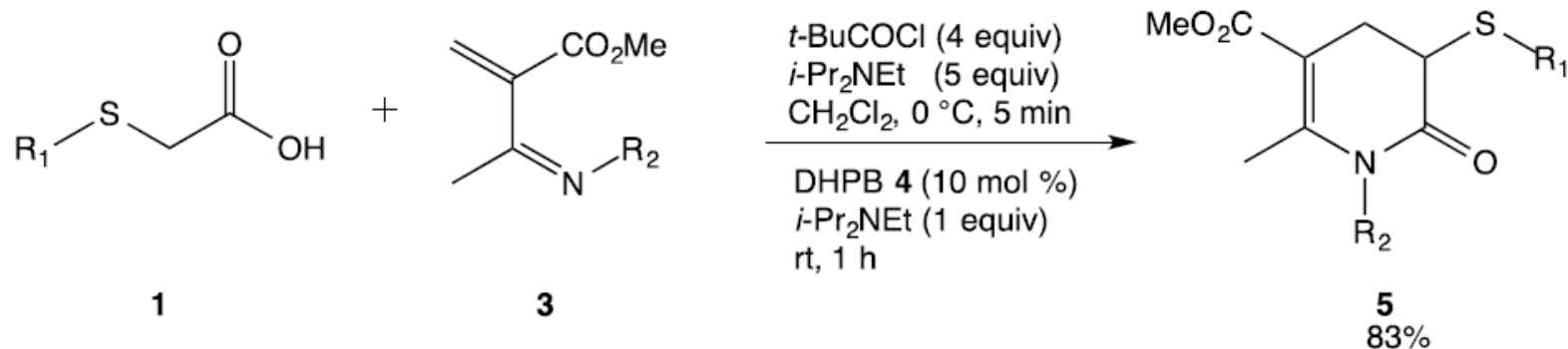
☐ Units of measure next to column headings – acceptable formats:

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

☐ No lines

SCHEME FORMATTING

Sample Scheme



- ☐ Font either **Arial** or **Helvetica** in structures and text
- ☐ Reagents and conditions are above/below arrows
- ☐ No punctuation at the end of line(s)
- ☐ Acceptable formats for yield:
 - In parentheses after compound name:
 - Below compound name without parentheses:

4c (79%)

3a
85%

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Dear Professor XXX

Cover Letter 投稿信

标题是什么，并提及投稿的期刊

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

研究工作的重点和亮点 （a synopsis of the article）

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. （有亮点的关键性数据）



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- Cover Letter
- Graphic
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4 学术道德与同行评议

Most Common Ethical Violations

自我抄袭

Self-plagiarism – reusing your own content

预先公布

Prior publication – journals have policies about what they consider to be published content

一稿多投

Concurrent submissions – submitting the same manuscript to multiple journals at the same time



Most Common Ethical Violations

数据造假或篡改

Data fabrication or falsification – deliberately or unintentionally changing the data to fit the conclusions

有问题的原创作者

Ghost or Gift Authorship – adding authors who did not contribute, or leaving off authors who did

Ways Violations Are Uncovered:

从技术上来说:

CrossCheck

compares manuscript text to published work

Image checking software

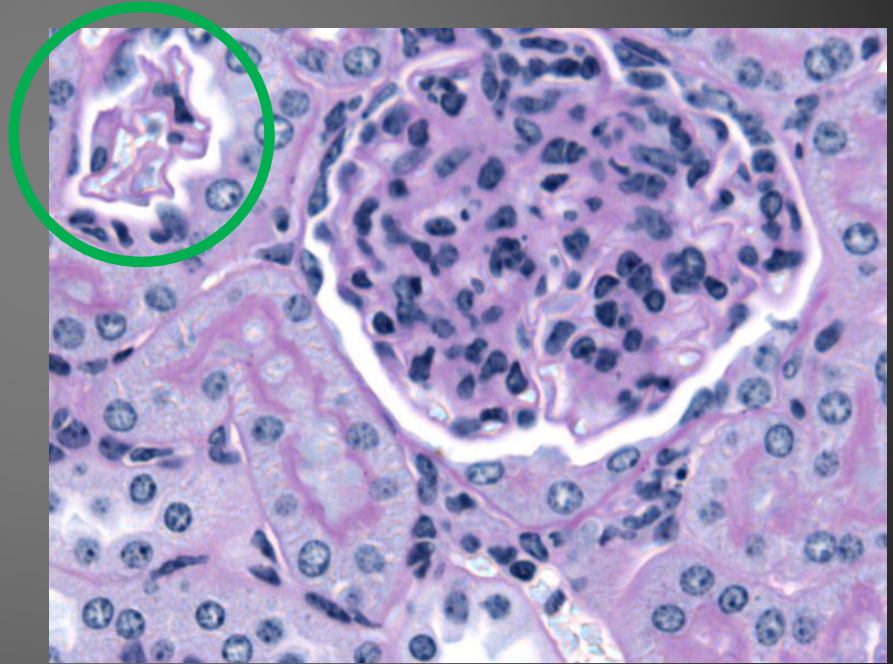
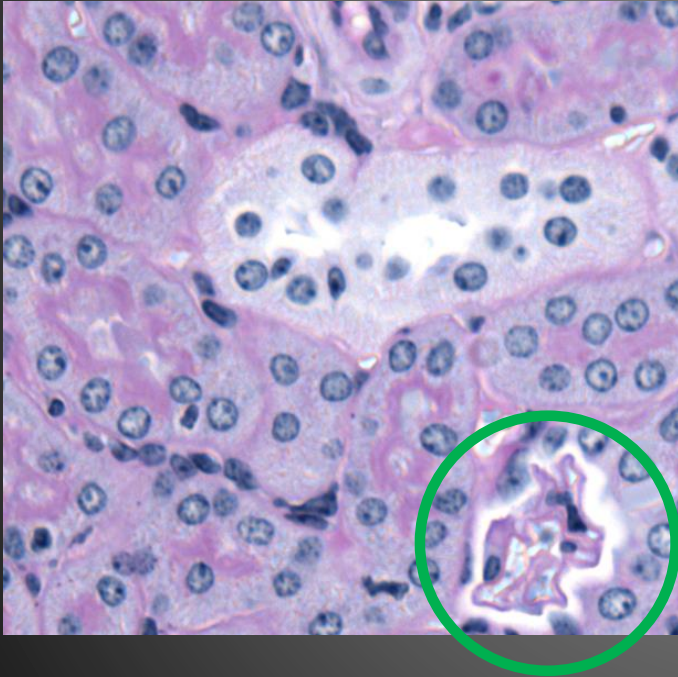
use Photoshop judiciously

从科学交流上来说:

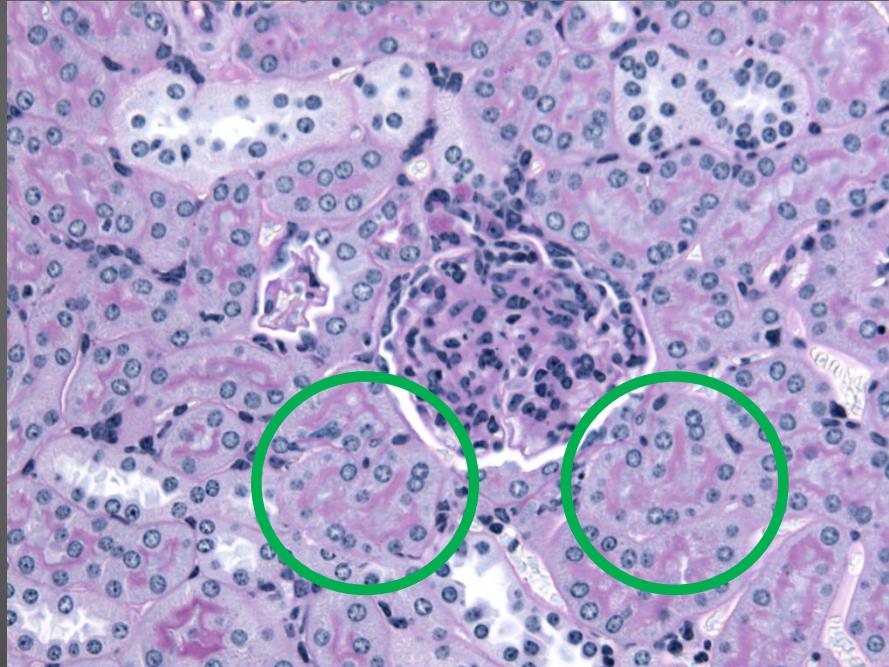
Social networking (blogs, Facebook, Twitter)

offer new means to question published works in a very public forum

Duplication between images



Duplication within images





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- 1. Further research reveals flaws in data**
进一步的研究揭示了数据中的缺陷
- 2. Irreproducible results**
无法复制的结果
- 3. Incorrect analysis**
错误的分析
- 4. Accidental ethical violations**
意外违反学术道德
- 5. Intentional ethical violations**
故意违反学术道德



学术道德与出版政策

Correction

更正

Retraction

撤稿

* **ADDITION / CORRECTION** This article has been corrected. View the notice.

Photocatalytic Gas Phase Reactions

Murielle Schreck and Markus Niederberger*

✓ **Cite This:** *Chem. Mater.* 2019, 31, 3, 597-618

Publication Date: January 16, 2019

<https://doi.org/10.1021/acs.chemmater.8b04444>

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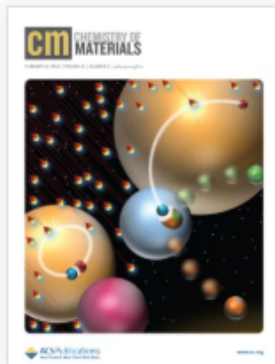
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Chemistry of Materials

* **ORIGINAL ARTICLE** This notice is a correction

Correction to Photocatalytic Gas Phase Reactions

Murielle Schreck and Markus Niederberger*

✓ **Cite This:** *Chem. Mater.* 2019, 31, 4, 1469

Publication Date: February 12, 2019

<https://doi.org/10.1021/acs.chemmater.9b00418>

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Correction

In our review on photocatalytic gas phase reactions, we should have included in Section 3.2, Specific Examples from Literature, the work of Ozin and co-workers. The topic of this particular section is how to increase the efficiencies of photocatalytic gas phase reactions. Since their first papers in 2014,^(1,2) Ozin and co-workers have been significantly contributing to the field of photocatalytic gas-phase reduction of CO₂ to chemicals and fuels, addressing different aspects like selectivity, the role of residual carbon contamination on the sample, influence of illumination, batch vs flow reactors, surface chemistry of the photocatalysts, or photothermal effects.⁽³⁻⁵⁾

References

ARTICLE SECTIONS

[Jump To](#) ▼

This article references 5 other publications.

1. O'Brien, P. G.; Sandhel, A.; Wood, T. E.; Jelle, A. A.; Hoch, L. B.; Perovic, D. D.; Mims, C. A.; Ozin, G. A. Photomethanation of Gaseous CO₂ over Ru/Silicon Nanowire Catalysts with Visible and Near-Infrared Photons. *Adv. Sci.* 2014, *1*, 1400001, DOI: 10.1002/advs.201400001 [Crossref], [CAS] [Google Scholar]



This publication has no figures.

**Where
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Mechanical Reconfiguration of Stereoisomers

Kelly M. Wiggins[†], Todd W. Hudnall[†], Qilong Shen[‡], Matthew J. Kryger[‡], Jeffrey S. Moore[‡]
and Christopher W. Bielawski^{*†}

View Author Information

Cite This: *J. Am. Chem. Soc.* 2010, 132, 10, 3256-3257

Publication Date: February 18, 2010

<https://doi.org/10.1021/ja910716s>

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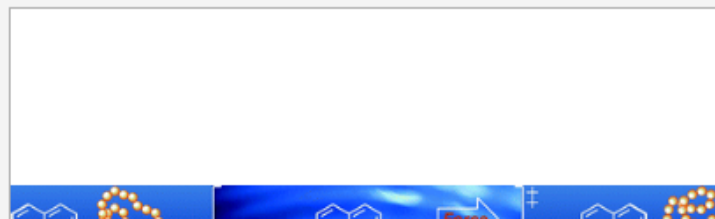
Supporting Info (1) »



Journal of the American
Chemical Society

Abstract

Poly(methyl acrylate) of varying molecular weight was grown from the enantiopure ditopic initiator (*R*)- or (*S*)-1,1'-binaphthyl-2,2'-bis-(2-bromoisobutyrate). Subjecting CH₃CN solutions of high-molecular-weight derivatives (*M_N* > 25 kDa) to sonication at 0 °C resulted in >95%



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Retraction of "Mechanical Reconfiguration of Stereoisomers"

Kelly M. Wiggins, Todd W. Hudnall, Qilong Shen, Matthew J. Kryger, Jeffrey S. Moore and Christopher W. Bielawski*

✓ Cite This: *J. Am. Chem. Soc.* 2015, 137, 9, 3428

Publication Date: March 11, 2015

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Journal of the American
Chemical Society

Retraction !!!

Based on an investigation conducted by The Office of Research Integrity at The University of Texas at Austin, it was determined that the data and scientific conclusions of this article are unreliable as a result of scientific misconduct by one of the co-authors affiliated with the University at the time of its publication. The authors **retract** this article accordingly.

The original paper was published February 18, 2010 (*J. Am. Chem. Soc.* 2010, 132, 3256–3257. DOI: [10.1021/ja910716s](https://doi.org/10.1021/ja910716s)), and retracted March 11, 2015.



This publication has no figures.

Retraction of “Mechanical Reconfiguration of Stereoisomers”

Kelly M. Wiggins, Todd W. Hudnall, Qilong Shen, Matthew J. Kryger, Jeffrey S. Moore, and Christopher W. Bielawski*

J. Am. Chem. Soc. **2010**, *132*, 3256–3257. DOI: 10.1021/ja910716s

Based on an investigation conducted by The Office of Research Integrity at The University of Texas at Austin, it was determined that the data and scientific conclusions of this article are unreliable as a result of scientific misconduct by one of the co-authors affiliated with the University at the time of its publication. The authors retract this article accordingly.

The original paper was published February 18, 2010 (*J. Am. Chem. Soc.* **2010**, *132*, 3256–3257. DOI: 10.1021/ja910716s), and retracted March 11, 2015.

Retraction:

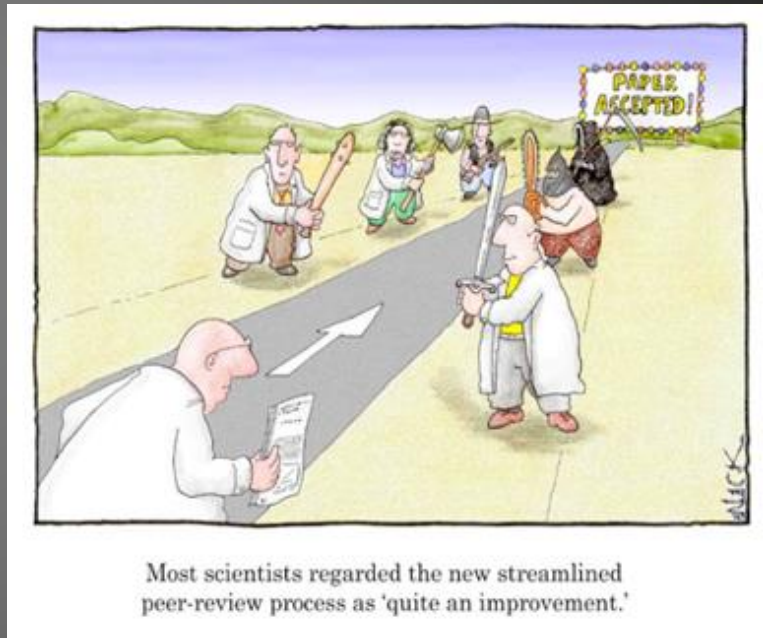
基于德克萨斯大学奥斯汀分校诚信研究办公室进行的一项调查，在发表这篇文章时，由于该大学的一名联合作者在科学上的不端行为，因此确定这篇文章的数据和科学结论是不可靠的。作者据此撤回了这篇文章。

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同行评议 **Peer Review** 是学术交流尤其是期刊的根基。

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期刊审稿过程各不相同，一般都是 2到 3个审稿人把评议报告交给有最终决定权的期刊编辑。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。

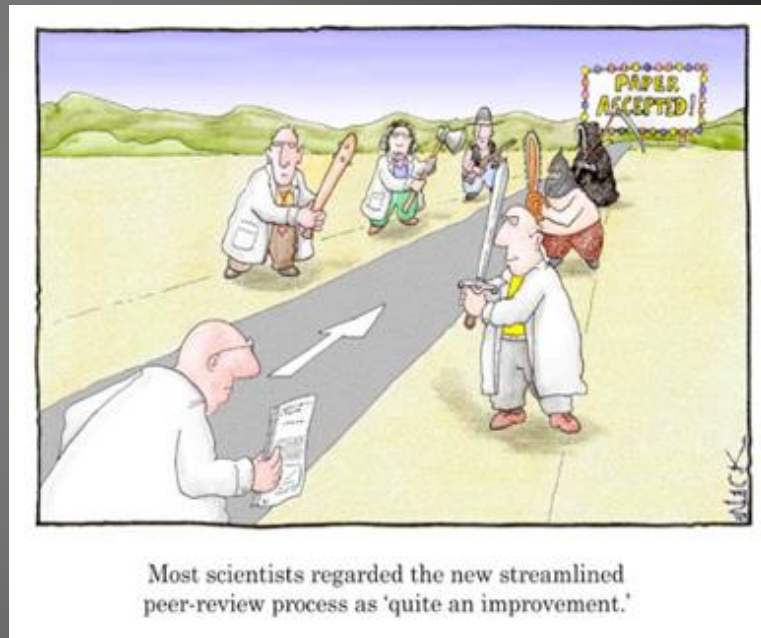


同行评议的不同类型：单盲、双盲、完全开放

- **Open** 完全开放
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Author does not know reviewer.
- **Double-blinded** 双盲
Nobody knows anybody.

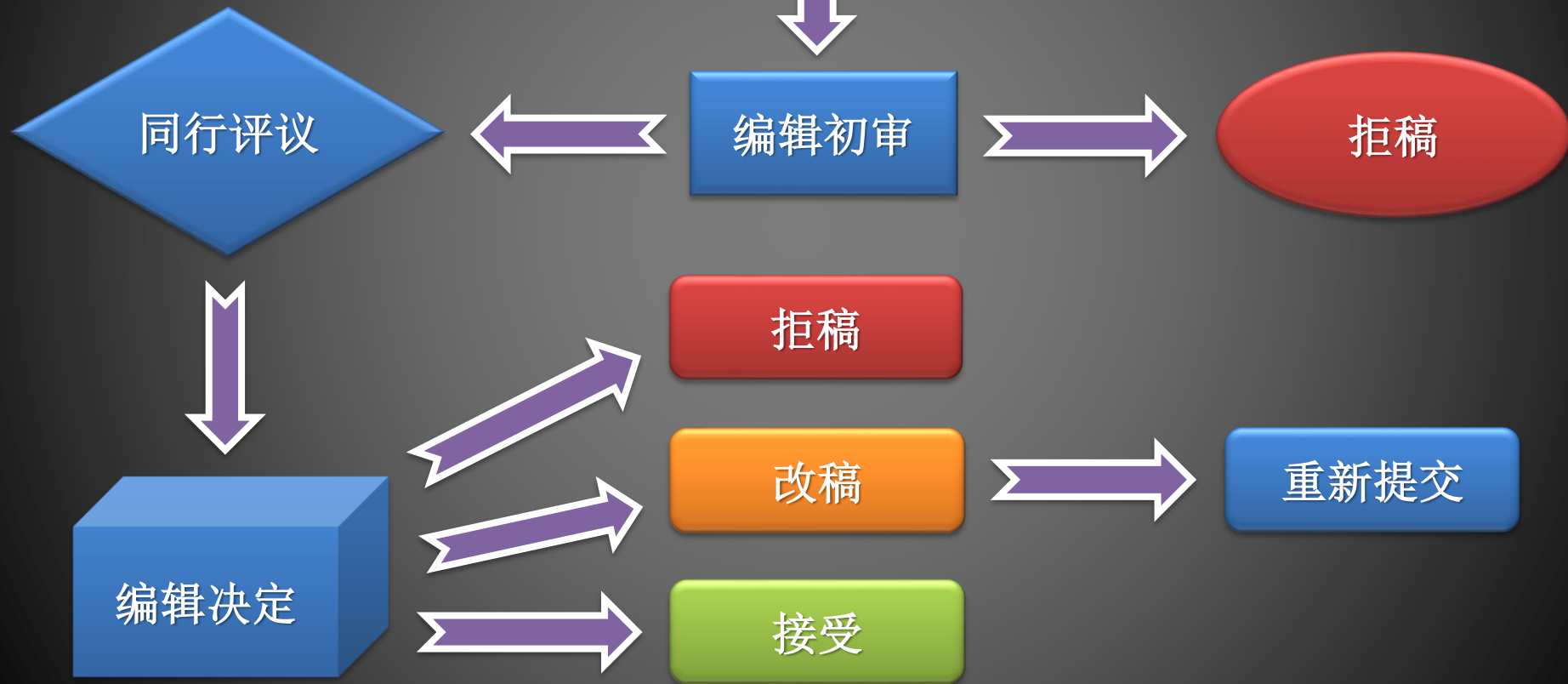
注：**Editor knows everything.....**

Otherwise he would not be an Editor.





同行评议 Peer Review



External Review 外审

What Are the Editors Looking For?



- **Appropriate Scope 符合范围** The work should resonate with the journal's target audience, which improves its chances for reaching its intended readers.
- **Novelty/Urgency 新颖原创** 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.
- **Technical Validity 技术要求** The research should be well designed, and the experiments, data collection and interpretation should be completed at a high level.
- **High Quality 稿件质量** 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.

请选择适当的决定 ✓

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- ☐ 大修后，重新考虑发表
- ☐ 不发表

3. 使用的方法从根本上是有缺陷的。

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- ☒ 不发表

2. 缺少了关键的对照实验或计算。

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- ☐ 不发表

4. 图表 7 看起来模糊。

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The ultimate decision on a paper comes from the handling editor, but the editor relies on peer-reviewers to inform the decision.

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- Carefully reads and examines the manuscript to understand key points
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- Determines if additional information/experiments are required
- Provides a decision to the author

編輯做出最終決定：接收，修改，拒稿

- **Accept:** manuscript is accepted
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- **Reject:** points raised by reviewers are significant; revisions are unlikely to improve the manuscript to meet the journal's standards



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