

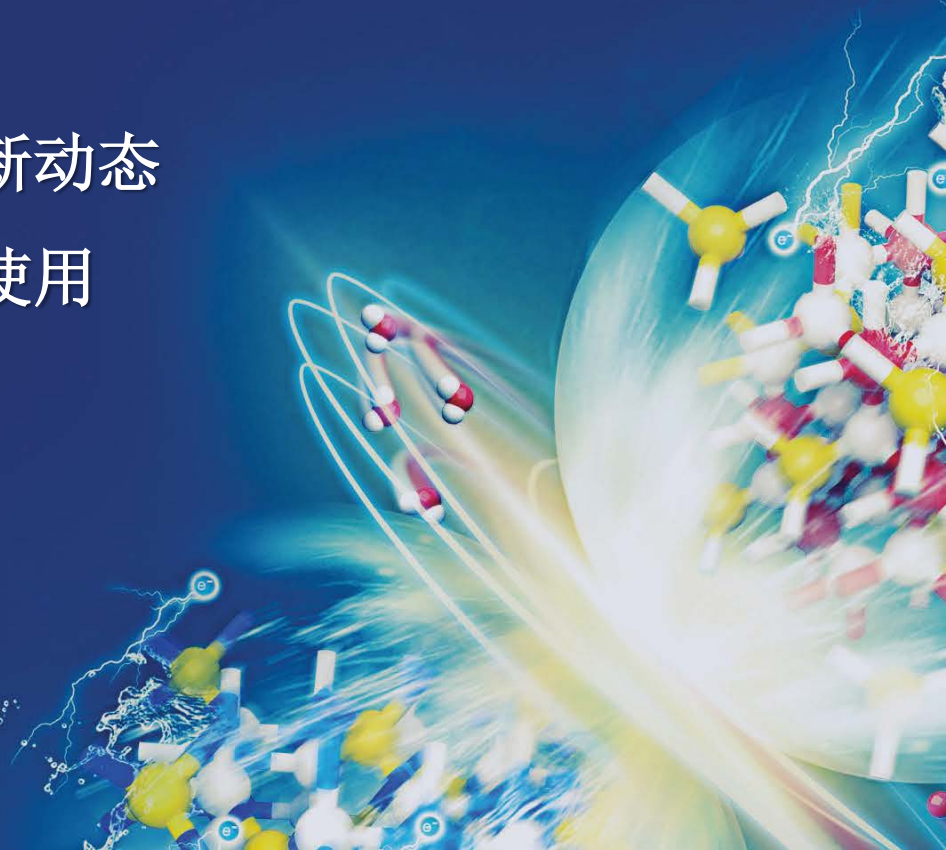
探索 ACS 数据库学术资源 助力科研学习与成果发表

主讲人：赵璟 ACS数据库培训师

Wednesday, April 24, 2024 广东石油化工学院



1. ACS 数据库学术资源最新动态
2. ACS 数据库平台功能和使用
3. 期刊投稿注意事项
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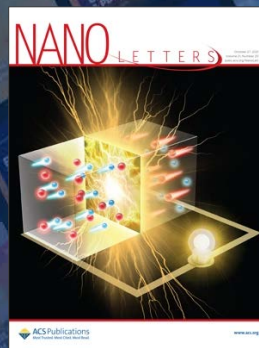
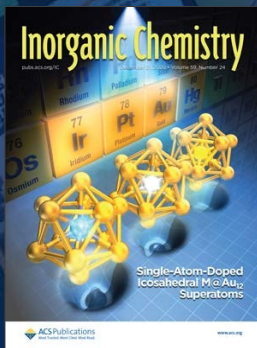


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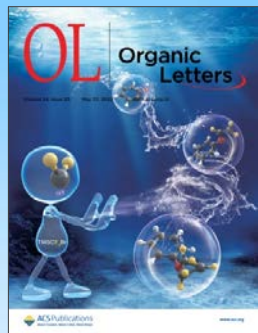
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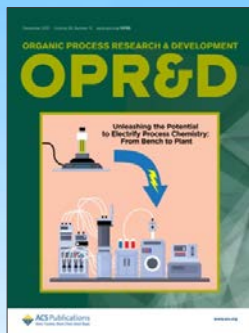
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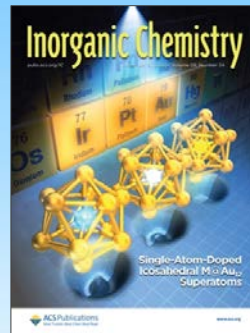
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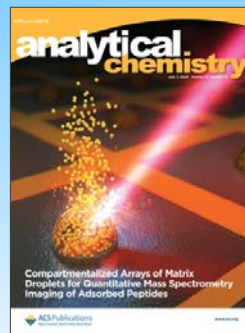
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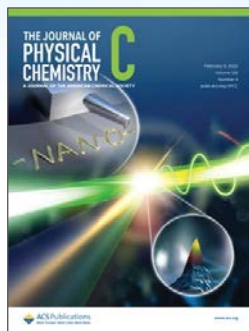
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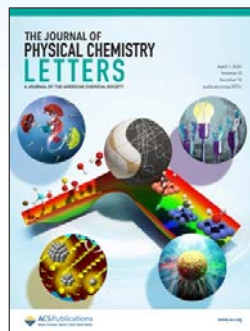
物理化学 A



物理化学 B



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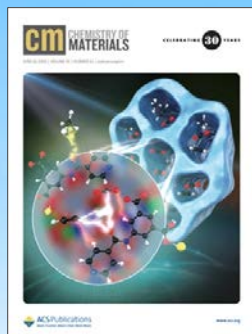


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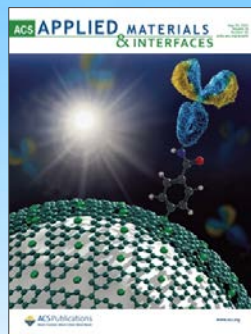
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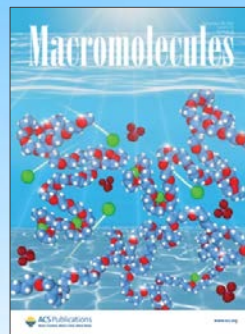
材料快报



应用材料&界面



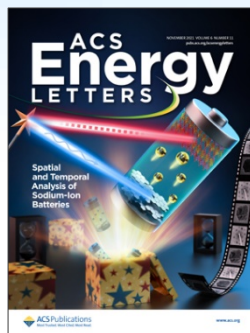
纳米材料



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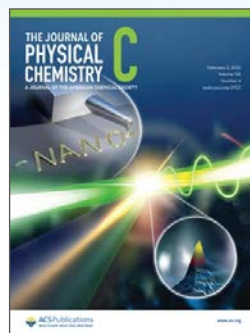
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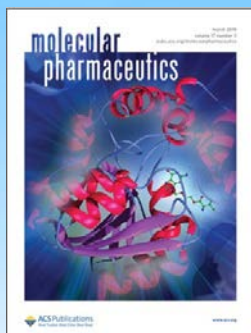
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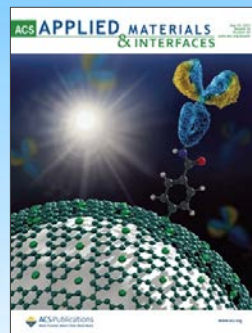
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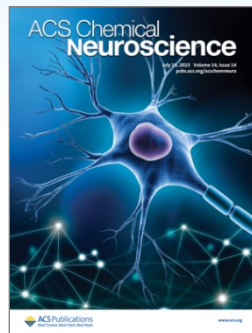
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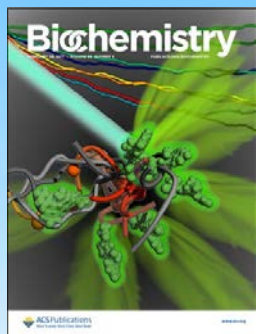


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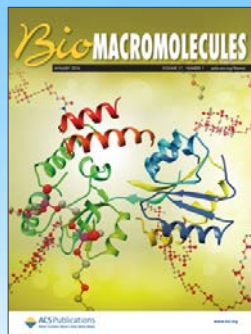
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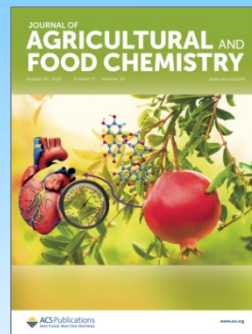
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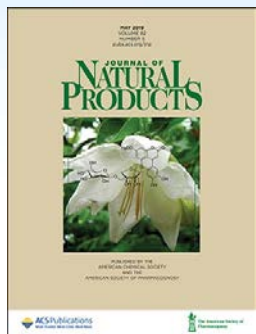
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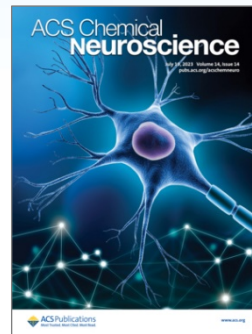
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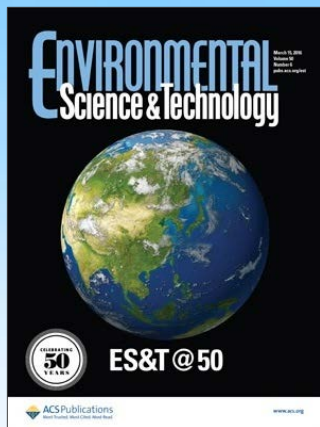


化学生物学



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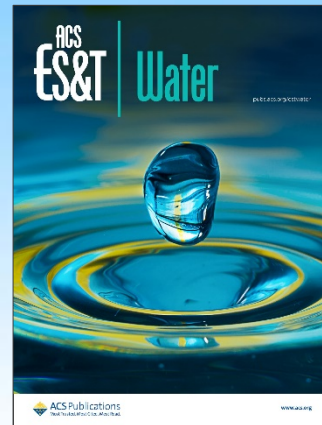
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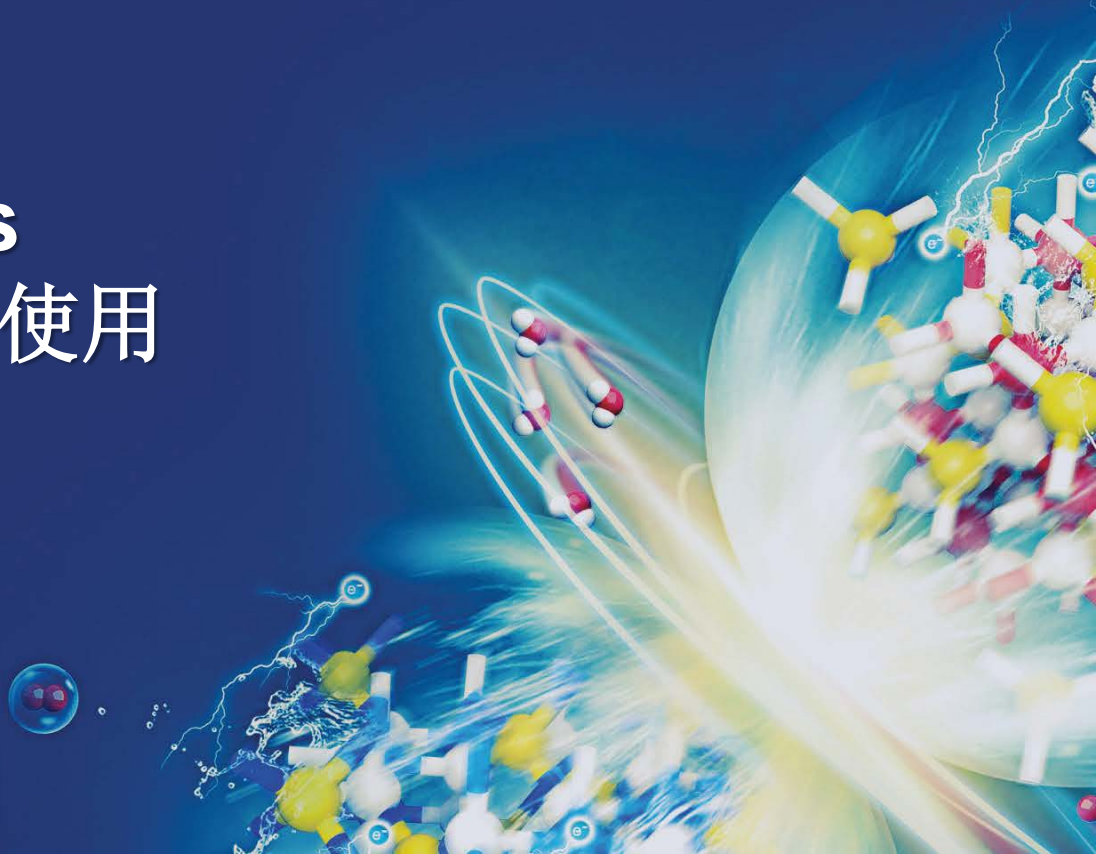
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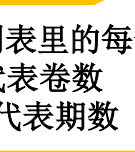
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Reversible Spatiotemporal Control of Induced Protein Degradation by Bistable PhotoPROTACs

Patrick Pfaff, Kusal T. G. Samarasinghe, Craig M. Crews*, and Erick M. Carreira*

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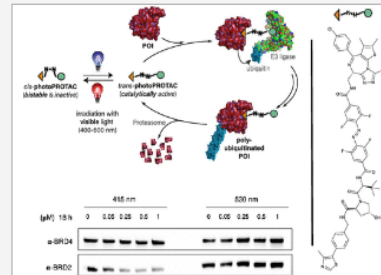
Supporting Info (1)

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Abstract
摘要

Abstract

Off-tissue effects are persistent issues of modern inhibition-based therapies. By merging the strategies of photopharmacology and small-molecule degraders, we introduce a novel concept for persistent spatiotemporal control of induced protein degradation that potentially prevents off-tissue toxicity. Building on the successful principle of bifunctional all-small-molecule Proteolysis Targeting Chimeras (PROTACs), we designed photoswitchable PROTACs (**photoPROTACs**) by including *ortho*-F₄-azobenzene linkers between both warhead ligands. This highly bistable yet photoswitchable structural component leads to reversible control over the topological distance between both ligands. The *azo-cis*-isomer is observed to be inactive because the distance defined by the linker is prohibitively short to permit complex formation between the protein binding partners. By contrast, the *azo-trans*-isomer is active since it can engage both protein partners to form the necessary and productive ternary complex. Importantly, due to the bistable nature of the *ortho*-F₄-azobenzene moiety employed, the photostationary state of the **photoPROTAC** is persistent, with no need for continuous irradiation. This technique offers reversible on/off switching of protein degradation that is compatible with an intracellular environment and, therefore, could be useful in experimental exploration of biological signaling pathways—such as those crucial for oncogenic signal transduction. Additionally, this strategy may be suitable for therapeutic intervention to address a variety of diseases. By enabling reversible activation and deactivation of



Article Pages 文章页面

Introduction

引言

Materials & Methods

材料和方法

Results

结果

Discussion

讨论

Conclusion

结论

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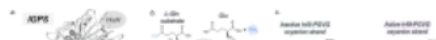
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Introduction

Proteins reshape their function in response to environmental changes through allosteric process in which two distinct sites within a protein or protein complex are functionally regulated enzymes. Effector binding at a distal site alters the thermodynamic and/or kinetic reaction at the active site. (3) The transfer of chemical information between the two sites is mediated by structural (4) and/or dynamical (5) changes that generally make accessible conformation characteristic of the enzyme active state. (6,7) To attain such a catalytic binding finely tunes the enzyme dynamic conformational ensemble by reshaping the relative conformational states and/or the time scales of structural fluctuations and conformational bidirectional communication between distal sites occurs at the ternary complex, i.e., when substrate are bound at their respective sites, and propagates through dynamic network interactions. (9,10) Capturing the time evolution of the allosteric activation of enzymes at ternary complex involves deciphering the interplay of fast and slow conformational dynamics, substrate binding. (11) The transient nature of both the ternary complex and the allosteric undergoing turnover hampers the structural and dynamic characterization of allosteric activation. Identification of functionally relevant states. (12-17) It is therefore not surprising that this remains hidden for several enzymes.

Allosteric regulation operating in the model enzyme imidazole glycerol phosphate synthase (IGPS) from *Thermotoga maritima* has been investigated from structural and dynamical perspectives. (18-30) IGPS is a heterodimeric enzyme belonging to class I glutamine amidotransferases (GATase) that encompasses the catalytic interplay between HisH and HisF subunits (Figure 1). HisH catalyzes glutamine hydrolysis producing glutamate and ammonia. The HisF cyclase monomer couples the ammonia produced by HisH, which migrates through an internal tunnel, with N-[(5-phosphoribulose-5-phosphoribulose)formimino]-5-aminoimidazole-4-carboxamide ribonucleotide (PRFAR). The latter also acts as the allosteric effector for the reaction occurring in HisH. The binding of PRFAR, ca. 30 Å far away from the HisH active site, enhances 4500-fold the basal glutaminase activity of IGPS, while the substrate affinity is only moderately altered. (30)

Figure 1



ARTICLE SECTIONS

Jump To ^

- Abstract
- Introduction
- Results
- Discussion
- Conclusions
- Methods
- Supporting Information
- Author Information
- Acknowledgments
- Abbreviations
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DOI: 1GPW
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Supporting Information

The Supporting Information is available free of charge at <https://pubs.acs.org/doi/10.1021/jacs.1c12629>.

Detailed description of computational methods, supplements, and movies (PDF)

Movie S1: conventional molecular dynamics simulations: tryoxanion hole formation in substrate-free PRFAR-IGPS (MP4)
Movie S2: accelerated molecular dynamics simulations: sp-Gln substrate binding in the HisH active site (MP4)
Movie S3: accelerated molecular dynamics simulations: sp-Gln substrate binding in IGPS (global view) (MP4)
Movie S4: accelerated molecular dynamics simulations: allosteric activation of IGPS in the ternary complex (MP4)

Time Evolution of the Millisecond Allosteric Activation of Imidazole Glycerol Phosphate Synthase

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Reversible Spatiotemporal Control of Induced Protein Degradation by Bistable PhotoPROTACs

K Pfaff^{1,2}, Kusal T. G. Samarasinghe^{2,3}, Craig M. Crews^{2,3,4} and Erick M. Carreira¹

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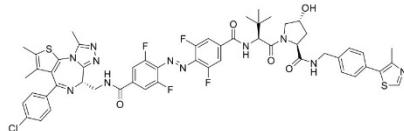
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活化化合物
命名, 编号
结构式
合成步骤

活化化合物
表征分析
Rf, NMR, IR,
ESI-HRMS

(2S,4R)-1-((S)-2-(4-((E)-4-(((S)-4-(4-chlorophenyl)-2,3,3-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)methyl)carbamoyl)-2,6-difluorophenyl)diazenyl)-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 μ mol, 1.00 equiv) and acid **S4** (21.4 mg, 28.0 μ mol, 1.00 equiv) were dissolved in anhydrous DMF (0.28 mL, 0.1 M). DIPEA (12 μ L, 85 μ mol, 3.00 equiv) and HATU (11.3 mg, 30.0 μ 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. NaHCO₃ 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% H₂O) to afford photoPROTAC-1 as an orange oil (16.0 mg, 14.0 μ mol, 51%).

Rf = 0.36 (85% EtOAc/10% iPrOH/5% H₂O).

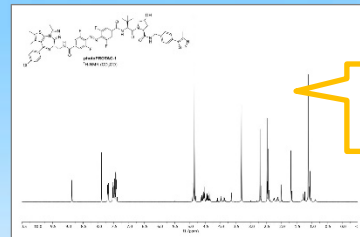
¹H NMR (500 MHz, CD₃OD) δ = 8.87 (s, 1H), 7.70 (dd, J = 5.1, 1.6 Hz, 2H), 7.67 (dd, J = 5.1, 1.6 Hz, 2H), 7.52 (d, J = 8.5 Hz, 2H), 7.48 (d, J = 8.5 Hz, 2H), 7.44 – 7.40 (m, 4H), 4.91 (s, 1H), 4.65 – 4.50 (m, 4H), 3.87 (dd, J = 13.6, 7.0 Hz, 2H), 4.35 (d, J = 15.4 Hz, 1H), 3.98 (d, J = 11.0 Hz, 1H), 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).

¹³C NMR (126 MHz, CD₃OD) δ = 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.

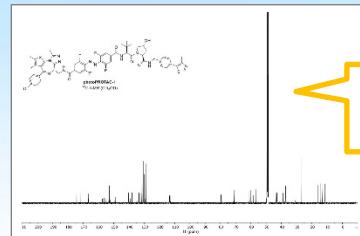
¹⁹F NMR (471 MHz, CD₃OD) δ = -121.4, -121.5.

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

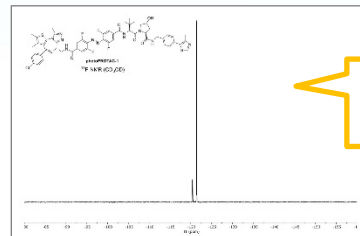
ESI-HRMS: calcd. for C₃₂H₃₅ClF₆N₁₁O₅S₂ [M+H]⁺ 1108.3135, found 1108.3144.



¹H-NMR



¹³C-NMR



¹⁹F-NMR

快速检索

The screenshot displays the ACS Publications website interface. At the top, there are navigation links for ACS, ACS Publications, C&EN, and CAS, along with a 'Log In' option. The main header features the ACS Publications logo and a search bar with the placeholder text 'Search text, DOI, authors, etc.'. Below the header, there are four main navigation categories: 'FOR ORGANIZATIONS', 'FOR AUTHORS', 'EVENTS & CONFERENCES', and 'OPEN SCIENCE'. The central banner area contains the text 'Most Trusted. Most Cited.' and a sub-headline: 'ACS Publications' commitment to publishing high-quality addresses the world's most important challenges. A yellow callout box highlights the search bar and contains the text: '检索词, 检索式, DOI 检索, 引文检索, 作者名检索'. To the right, there is a 'NEW & NOTEWORTHY' section with three items: 'Discover ACS Publications Events', 'Celebrate Earth Week 2022 with Resources from the Journal of Chemical Education', and 'ACS Publications 2021 Year in Review'. Below this, the 'Browse Content' section features seven subject-based tiles: 'All Subjects', 'Analytical', 'Applied', 'Biological', 'Materials Science & Engineering', 'Organic-Inorganic', and 'Physical'. The 'Biological' tile is selected, and a filter bar below it shows 'Filter by Letter: A | B | C | E | I | J | M | O' and a 'Remove Filters' button. The bottom of the page shows the start of a list of results, including 'A', 'ACS ES&T Engineering', 'ACS Synthetic Biology', and 'Journal of Agricultural and Food'.

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

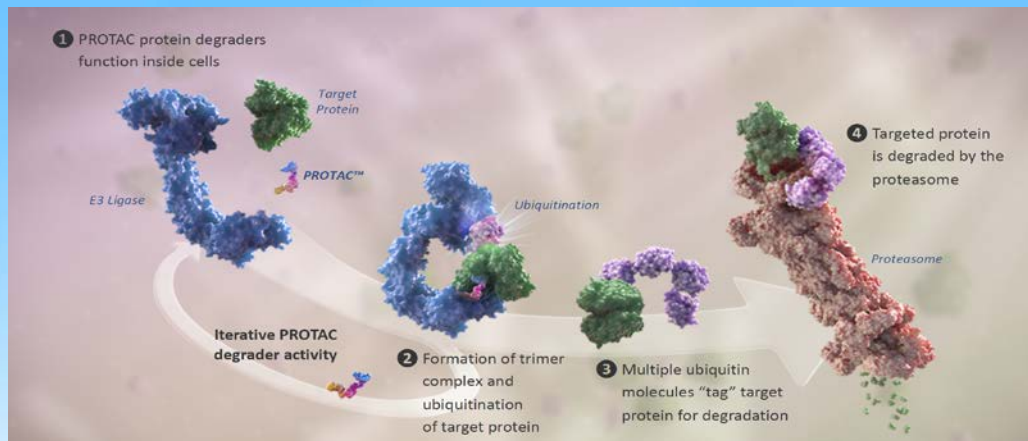
检索词的示例:

检索词 **PROTACs**

研究对象 靶向蛋白降解技术

研究领域 药物化学, 新药研发技术

检索结果 **1044** 篇



PUBLICATION DATE

Last Year	318
Last 6 Months	160
Last 3 Months	85
Last Month	30
Last Week	7

IN THIS ISSUE

Articles	459
Perspectives	151
Letters	83
Reviews	39
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CONTRIBUTOR

Kargbo, Robert B	33
Wang, Shaomeng	25
Crews, Craig M	23
Jin, Jian	22
Ciulli, Alessio	18

PUBLICATION

Journal of Medicinal Chemistry	382
ACS Medicinal Chemistry Letters	119
Journal of the American Chemical Society	104
ACS Chemical Biology	100
ACS Central Science	37

检索式的示例:

检索式 "lithium battery" OR "lithium-ion battery" OR "Li-ion battery"

研究对象 锂电池

研究领域 能源与材料科学

检索结果 22800 篇

PUBLICATION DATE	
Last Year	2934
Last 6 Months	1466
Last 3 Months	744

CONTRIBUTOR	
Sun, Yang-Kook	109
Wu, Feng	103
Cui, Yi	101

PUBLICATION	
ACS Applied Materials & Interfaces	5433
Chemistry of Materials	1628
ACS Nano	1283

检索式 ("lithium battery" OR "lithium-ion battery" OR "Li-ion battery") AND (Electrolyte OR Electrodes) AND recycl*

研究对象 锂电池的回收

研究领域 材料与环境科学

检索结果 2800 篇

PUBLICATION DATE	
Last Year	527
Last 6 Months	267
Last 3 Months	154

CONTRIBUTOR	
Grey, Clare P	45
Li, Li	19
Wu, Feng	17

PUBLICATION	
ACS Applied Materials & Interfaces	531
ACS Sustainable Chemistry & Engineering	337
ACS Applied Energy Materials	208

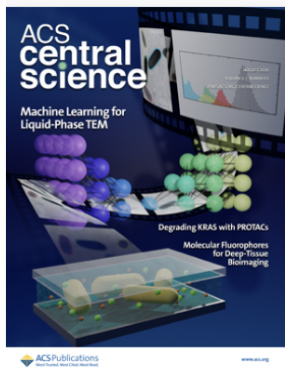
DOI 检索:

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检索方法

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Targeted Degradation of Oncogenic KRAS^{G12C} by VHL-Recruiting PROTACs

Michael J. Bond, Ling Chu, Dhanusha A. Nalawansa, Ke Li, and Craig M. Crews*

✓ Cite this: *ACS Cent. Sci.* 2020, 6, 8, 1367–1375

Publication Date: July 8, 2020

<https://doi.org/10.1021/acscentsci.0c00411>

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SUBJECTS: Cell signaling, Cells, Degradation, Inhibition, Inhibitors

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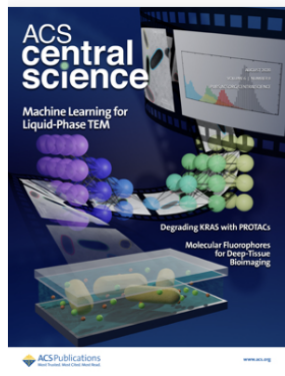
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检索方法

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2. 检索引文信息: 期刊 Journals, 卷数 Volume, 页数 Page
3. 跳转到该文献页面

Journals	Vol	Page
ACS Biomaterials Science & Engineering		
ACS Catalysis		
ACS Central Science		
ACS Chemical Biology		
ACS Chemical Health & Safety		
ACS Chemical Neuroscience		
ACS Combinatorial Science		
ACS Earth and Space Chemistry		



Targeted Degradation of Oncogenic KRAS^{G12C} by VHL-Recruiting PROTACs

Michael J. Bond, Ling Chu, Dhanusha A. Nalawansha, Ke Li, and Craig M. Crews*

Cite this: ACS Cent. Sci. 2020, 6, 8, 1367–1375

Publication Date: July 8, 2020

<https://doi.org/10.1021/acscentsci.0c00411>

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Citations

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SI Supporting Info (1) »

SUBJECTS: Cell signaling, Cells, Degradation, Inhibition, Inhibitors

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3. 得到检索结果: 75 篇



PUBLICATION DATE

Last Year	4
Last 6 Months	1

IN THIS ISSUE

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CONTRIBUTOR

Frey, Wolfgang	19
Elser, Iris	11
Schowner, Roman	8
Wang, Dongren	8
Benedikter, Mathis J	7

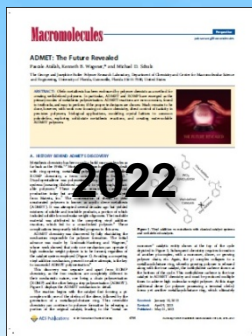
PUBLICATION

Macromolecules	28
Organometallics	16
Journal of the American Chemical Society	7
Analytical Chemistry	6
Chemical Reviews	2

文献调研：找到关键文献，获得引证关系

参考文献
(了解当前进展)

*Cited
References*

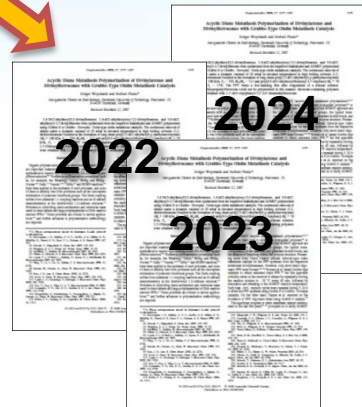
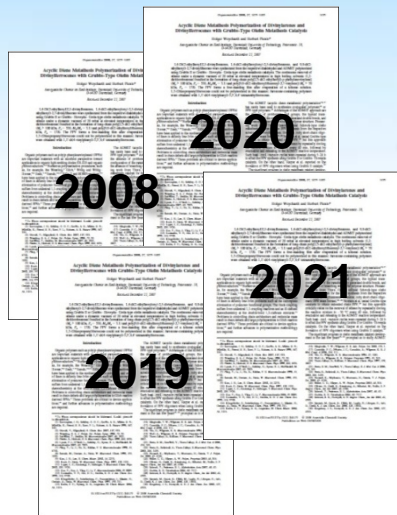


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(跟踪后续进展)

*Citing
Articles*

领域里的关键文献
比如 Review Article

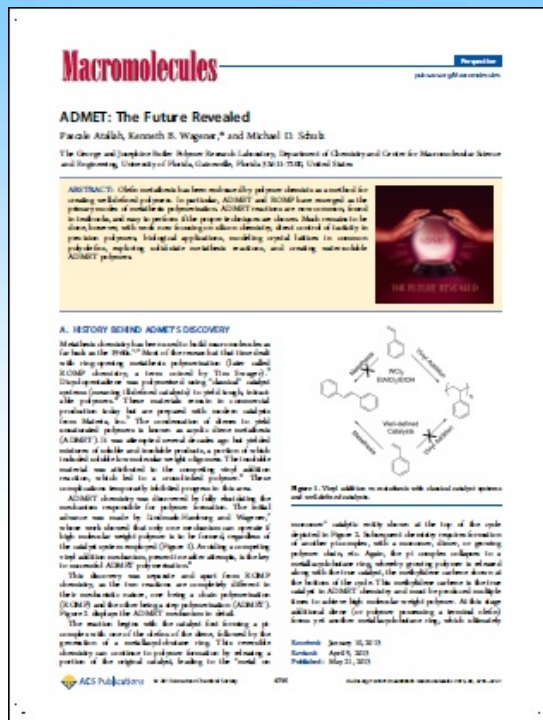
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Review Article 讲什么？

- 本研究的重要概念和机理
- 本研究的历史和当前进展
- 本研究重要工作的引证和评论
- 本研究在一些应用领域的进展
- 作者对该研究课题的总结与展望



文献检索与调研 Q&A

1. 文献检索的基本技巧

- 1) 合适的检索词
- 2) 恰当的检索式
- 3) 引文检索，DOI检索，作者检索
- 4) 分析检索结果

2. 检索结果为 0 或者很少怎么办？

- 1) 检索词或检索式不对
- 2) 格式不正确
- 3) 学科不匹配
- 4) 可能是个新的领域

3. 文献阅读的三个注意点

- 1) 里程碑式的文献
- 2) 活跃的科学家的文献
- 3) 时间线

4. 文献调研的基本方法

- 1) 梳理研究的脉络
- 2) 理解研究的定义，背景，进展，空白
- 3) 观察和思考，发现新的问题



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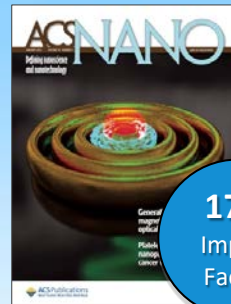
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化学综述



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纳米科学



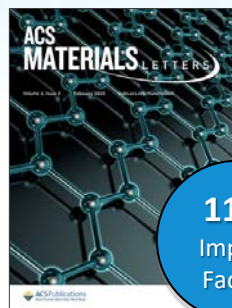
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催化科学



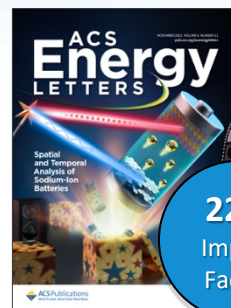
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环境科学



11.4
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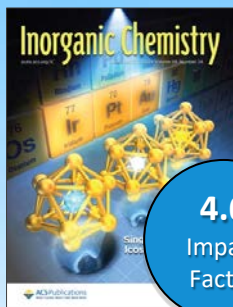


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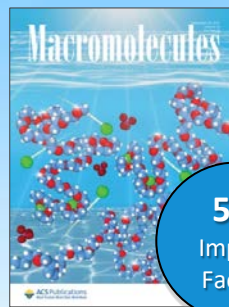
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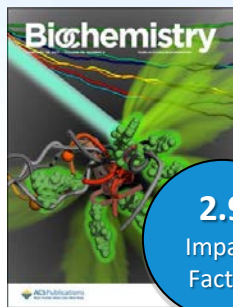
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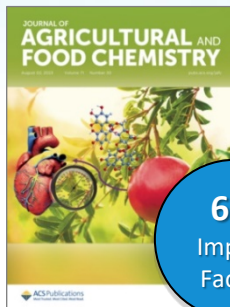
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6.1

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农业与食品科学



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地球化学



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Editor-in-Chief
Erick Carreira

期刊名称: **Journal of the American Chemical Society**

期刊缩写: **J. Am. Chem. Soc**

出版社: **American Chemical Society**

创刊时间: **1879**

出版周期: **Weekly**

收录索引: **CAS, SCIE, Scopus, PubMed**

影响因子 2022: **15.0**

被引次数 2022: **580,144**

出版文章 2022: **2,556**

JCR 类别: **Chemistry, Multidisciplinary**

JCR 分区: **Q1** 中科院分区: **Q1**

审稿平均周期: **初审 4 天, 外审 27 天, 录用 64 天**

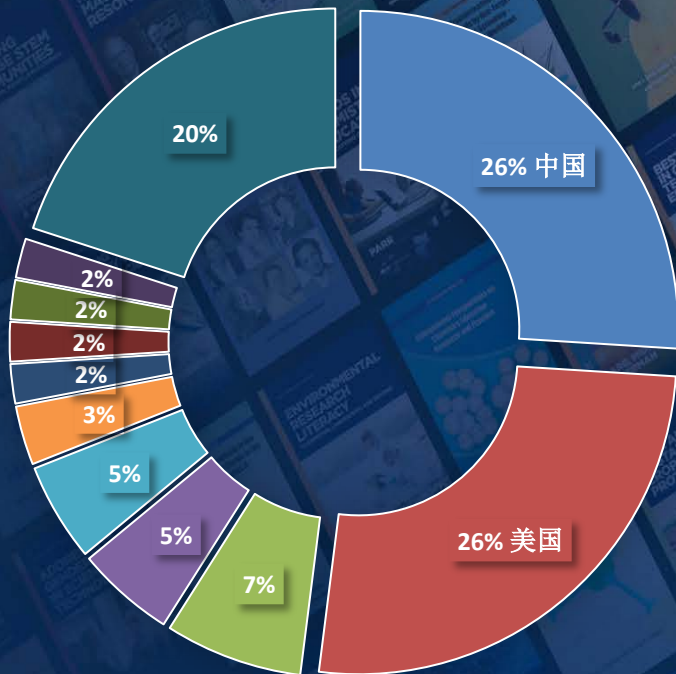


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- 其它



中国近5年的 JACS 发文占比



美国近5年的 JACS 发文占比



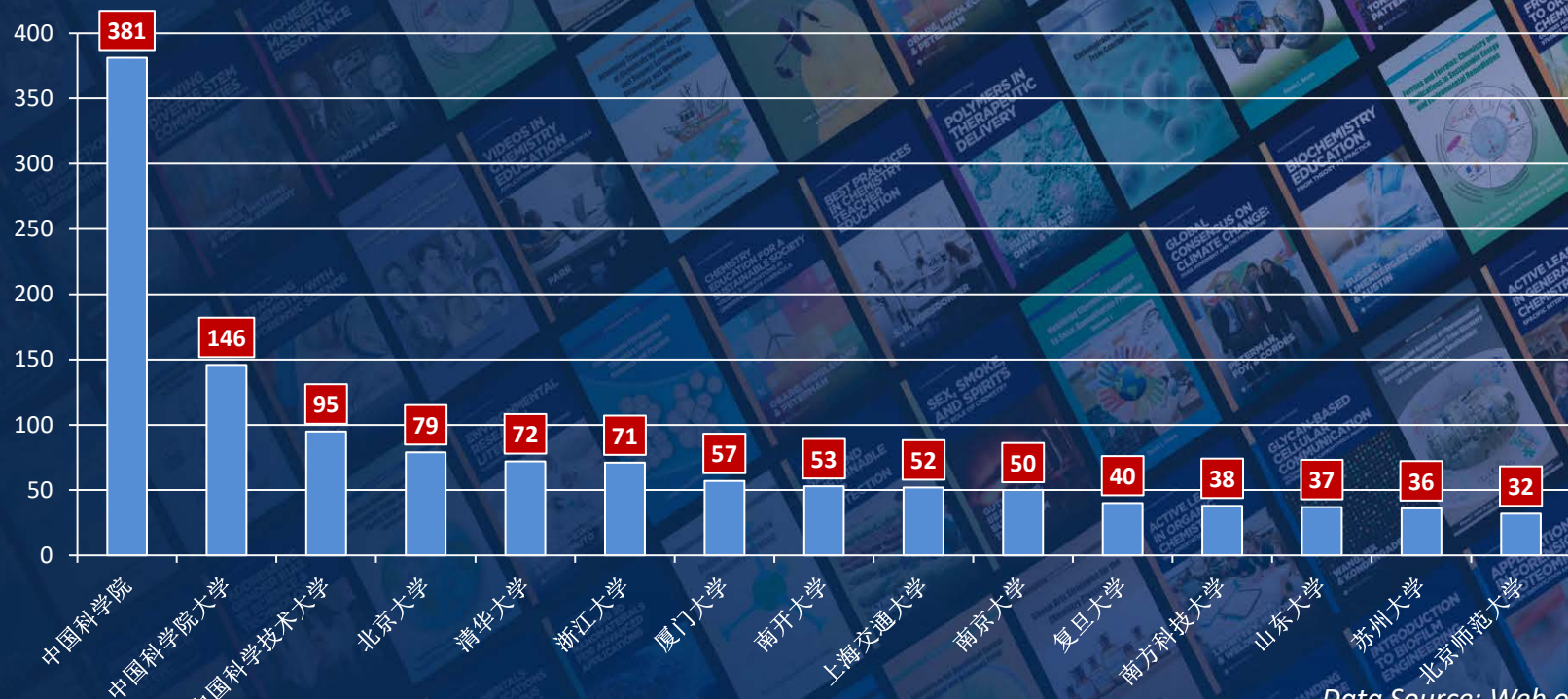
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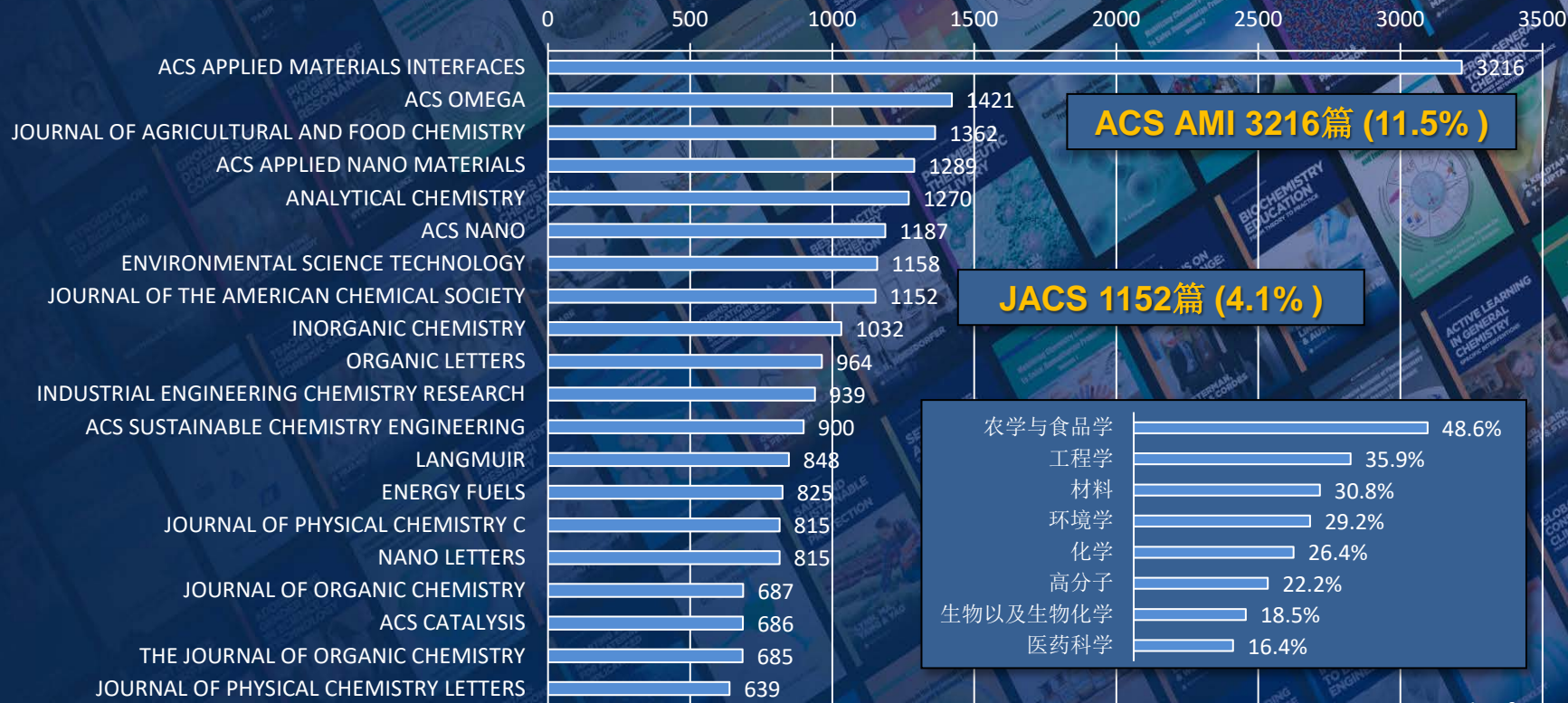
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步骤 4
上传稿件

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Step 1

类型 Type
标题 Title
摘要 Abstract

类型 Type

研究 Research Article
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Submission

Step 1: Type, Title, & Abstract >

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摘要 **Abstract**

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- Step 3: Authors & Institutions >
- Step 4: Reviewers & Editors >
- Step 5: Details & Comments >
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Step 3




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* Selected Authors

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

 Update Author Order

Add Author

Find using Author's email address

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
<input type="button" value="Add Reviewer"/>			

Editors

ACTIONS	PREFERENCE	EDITOR	INSTITUTION
<input type="button" value="Add Editor"/>			

Select Editor(s)

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

Add 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 CHARACTER

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

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 Publishing Center 投稿平台

Welcome to the ACS Publishing Center!

1 Major Revision

#The Sustainable Future of Smart Filmmaking: Advanced Optical

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.

作者目前需要处理的稿件

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.

发表 Submissions
评审 Reviews
出版 Published
跟进 Following

Submissions (3) [See More](#)

Major Revision

#The Sustainable Future of Smart Filmmaking: Advanced Optical
Filmmaking: Advanced Optical
Filmmaking: Advanced Optical

In Peer Review

Monitoring the Resources and Environmental Impacts for
Environmental Impacts for
Environmental Impacts for

Reviews (1) [See More](#)

Rejected

#The Sustainable Future of Smart Filmmaking: Advanced Optical
Filmmaking: Advanced Optical
Filmmaking: Advanced Optical

Published (10) [See More](#)

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Electronic Materials in Smart
Filmmaking: Advanced Optical

+149 downloads

How to Implement Energy Action
Plans in the Hydrogen and Fuel
Cell Industry: A Review

+24 downloads

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Articles](#)

投稿常见问题 Q&A

1. 为什么要在 ACS 期刊发表自己的论文？

- 1) 高品质的期刊和影响力
- 2) 严格且可信赖的同行评审
- 3) 快速的出版流程
- 4) 广泛的学科领域

2. 怎样选择合适的 ACS 期刊进行投稿？

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

3. 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>

4. 怎样了解期刊的文献计量指标？

期刊官网页面有期刊的两年影响因子 2 Year Impact Factor，被引用次数 Citations，每年会更新。由于ACS期刊的高品质，大部分期刊在各自学科领域处于JCR分区的1区或2区。

5. ACS 期刊在主动寻找哪些稿件？

期刊官网页面有征稿专栏 Call For Papers，是期刊编辑部当下正在征寻的稿件，这些信息有助于投稿作者做出更准确的选择。

6. 稿件的处理时间是多久？

编辑部初审决定时间通常在 1 - 2 周，从投稿到文章被接收，通常在 9 - 12 周。

根据不同的文章类型：

研究型论文 Article / Research Article: 9 - 12 周

快报论文 Letter / Communication: 4 - 6 周

综述论文 Review 作者先提交建议书 Proposal Template，由编辑部同意后再投稿。



ACS Publications

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同行评审与学术道德



同行评审 Peer Review

1. 什么是同行评审？

同行评审 Peer Review 是学术期刊的根基，由同领域的活跃科学家，通常至少三位审稿人进行评审。

2. 同行评审的作用

- 1) 降低主观性，减少学术偏见
- 2) 杜绝抄袭、造假和其它利益冲突
- 3) 筛选与分级，保证期刊的高标准
- 4) 帮助编辑做出最终决定。

3. 同行评审的不同类型

- 1) 开放式评审 Open
作者和审稿人知道彼此的身份。
- 2) 单盲评审 Single - blinded
审稿人知道作者身份，但作者不知道审稿人，85%以上的期刊采用单盲评审。
- 3) 双盲评审 Double - blinded
作者或审稿人都不知道彼此的身份

编辑初审 Editorial Review (Pre-Screening)

1. 编辑初审阶段主要看什么

- 1) Scope 符合期刊范围
- 2) Scientific merit 科学价值
- 3) Significance 意义和重要性

2. 初审决定

- 1) Peer Review Process 外审
- 2) Immediately Reject 拒稿

3. 初审的作用

- 1) 避免稿件的堆积
- 2) 给投稿作者做出快速的回复

4. 初审的后续

初审环节通常由期刊的主编和副编辑进行审稿和回复。

- 1) 如果您的稿件没有通过初审，期刊的编辑通常会给您一份拒稿回复，告知作者此稿件的不足之处，或者对所期待的稿件的最低标准。
- 2) 通过了初审的稿件，在下一个阶段将由审稿人进行同行评审。

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。

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.

审稿人的视角

Please rank the manuscript according to the criteria below, as compared to all papers published in the field, not just those published in TJAC

		Not suitable for TJAC		Suitable for TJAC	
		Low	Moderate	High	Top 5%
Significance	重要性	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Novelty	新颖性	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presentation	写作质量	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broad Interest	读者兴趣	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

出版建议

* Recommendation

- Publish as it; no revisions needed
- Publish after minor revisions
- Consider after major revisions
- Do not publish

接收 **Accept**

小修 **Minor revisions**

大修 **Major revisions**

拒稿 **Reject**

给编辑的保密意见 (可选)

Comments to the Editor (optional)

*Please respond to the following:

	Yes	No	In Part
Are the conclusions adequately supported by the data?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the literature references current and appropriate?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the figures clear and professional?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are all data in the SI relevant and presented clearly?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

给作者添加评审意见

*Comments to the Author

Type or paste your review directly into the text box or type "Review attached" (and attach the file below), as appropriate.

回复评审意见

1. 仔细阅读编辑决定和审稿人评语

Read the decision letter and reviewer comments.

2. 及时回复，注意时间期限，回复每一条评语并注明改动

Be timely!

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

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

3. 如果有不同意见，请用科学的语言回复 (特殊情况：申诉)

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

编辑的审稿工作

1. 编辑收到审稿人的意见后

- 1) 仔细阅读稿件
- 2) 分析评审报告
- 3) 确认补充数据或实验
- 4) 给作者做出一个最终的决定

Manuscripts & Articles

Submissions (3) Reviews (1) Published (10) Following (0)

Submitted Manuscripts

Updated as of March 18, 2022, at 9:02 PM EDT (10:46 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 remain on this list until 90 days after final decision.

Title	Publication	Submission Date	Status
The Effect of Temperature on the Kinetics of the Reaction of Nitric Oxide with Ethanolamine in the Presence of Ethanolamine Oxide	ACS Micro Letters	February 18, 2022	Major Revision Your manuscript has received a Major Revision decision. April 07, 2022 . Submit Revision.
Monitoring and Control of Environmental Processes with Machine Learning: A Review	Chemistry of Materials	December 05, 2022	In Peer Review Your manuscript is being evaluated by researchers in your field.
The Reaction of Nitric Oxide with Ethanolamine Oxide in the Presence of Ethanolamine Oxide	Journal of the American Chemical Society	May 18, 2022	Reject & Resubmit Your manuscript has been declined for publication at this time, but an option to resubmit after substantial revision has been offered. If you choose to resubmit this manuscript to this journal, resubmit!

2. 编辑决定

- 1) Accept 接收
- 2) Revise 大修或小修
- 3) Transfer 稿件转交
- 4) Reject 拒稿

Welcome to the ACS Publishing Center!

Major Revision

Your manuscript has received a Major Revision decision. **April 07, 2022**. Submit Revision.

Updated as of March 18, 2022, at 9:02 PM EDT (10:46 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 18, 2022, at 9:02 PM EDT (10:46 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	Reviews (1) See More	Published (10) See More	Following
Major Revision The Effect of Temperature on the Kinetics of the Reaction of Nitric Oxide with Ethanolamine in the Presence of Ethanolamine Oxide ACS Micro Letters February 18, 2022	Rejected The Reaction of Nitric Oxide with Ethanolamine Oxide in the Presence of Ethanolamine Oxide Journal of the American Chemical Society May 18, 2022	Most Recent Sustainable Recycling of Polyethylene Glycol ACS Applied Polymer Letters February 18, 2022	You're not following/tracking any articles... yet! The ACS Publishing Center lets you identify and follow activity for articles of interest. Follow specific ACS Journal Articles

投稿中的学术道德

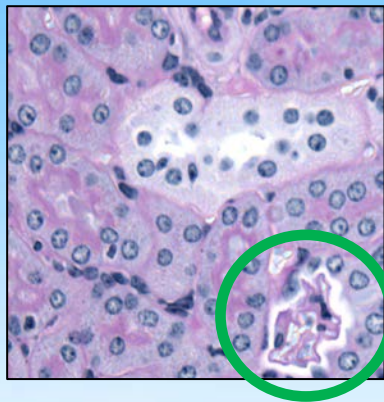
1. 违反学术道德的常见情况

- 1) 抄袭和自我抄袭
- 2) 一稿多投
- 3) 数据造假或篡改
- 4) 有问题的原创作者

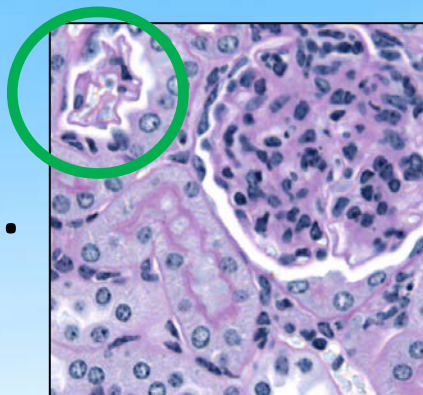
2. 违反学术道德如何被发现

- 1) 从技术上来说：
 - CrossCheck
 - Image Checking Software
- 2) 从科学交流上来说：
 - Webinar, Social Networking

图像检测软件 Image Checking Software

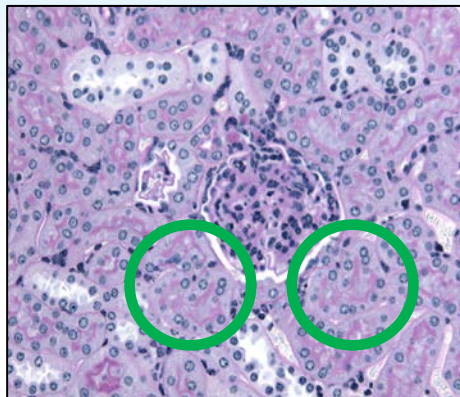


V.S.



图A

图B



图C

经过图像的查重检测：

- 1) 图A和图B有完全一致的图案。
- 2) 图C有被修改的痕迹，被标记部分完全一致。

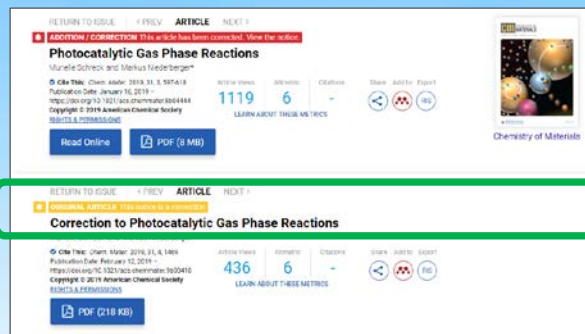
投稿中的学术道德

3. 文章被撤稿的原因是什么？

- 1) 进一步的研究揭示了数据中的缺陷
- 2) 无法复制的结果
- 3) 错误的分析
- 4) 意外违反学术道德
- 5) 故意违反学术道德

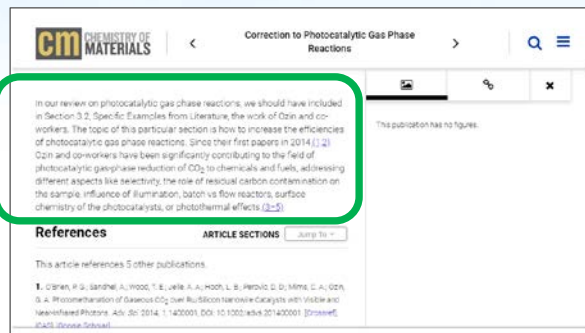
4. 更正 & 撤稿

- 1) 更正 Correction
- 2) 撤稿 Retraction



更正 Correction
不违反学术道德

该文章作出了更正
(Correction to the
Article Name)



指出了更正的地方
是哪些 (What has
been corrected ?)

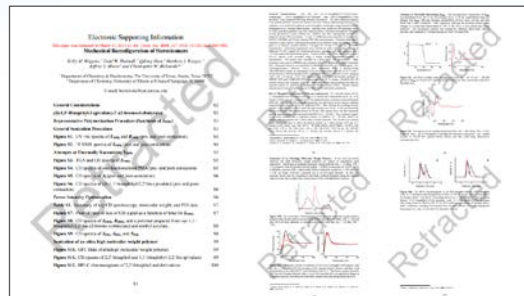
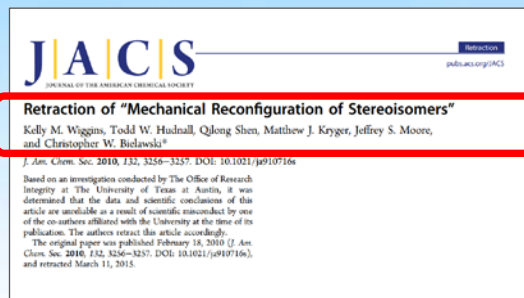
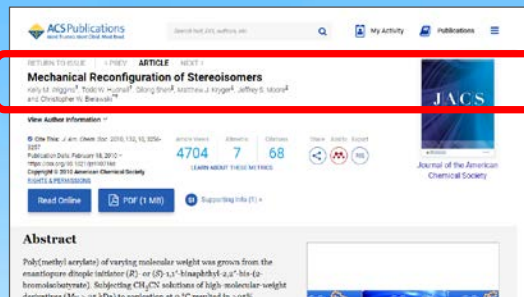
投稿中的学术道德

3. 文章被撤稿的原因是什么？

- 1) 进一步的研究揭示了数据中的缺陷
- 2) 无法复制的结果
- 3) 错误的分析
- 4) 意外违反学术道德
- 5) 故意违反学术道德

4. 更正 & 撤稿

- 1) 更正 Correction
- 2) 撤稿 Retraction



撤稿 Retraction

通常因违反学术道德

该文章由于违反学术道德被撤稿。

撤稿声明

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。

撤稿是指把文章从期刊里撤下来吗？



Questions ?



讲座问卷答题
微信扫一扫