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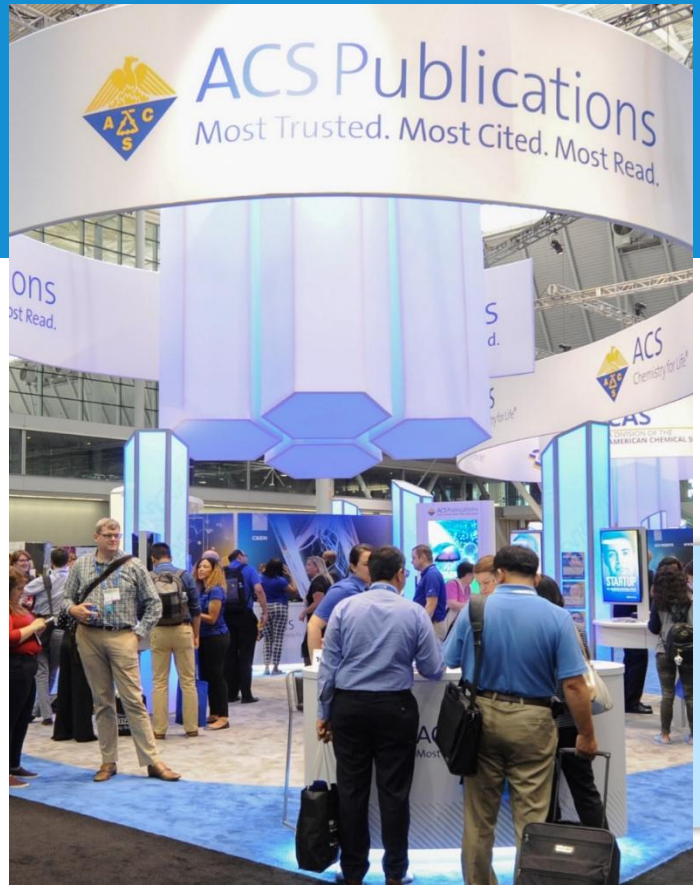

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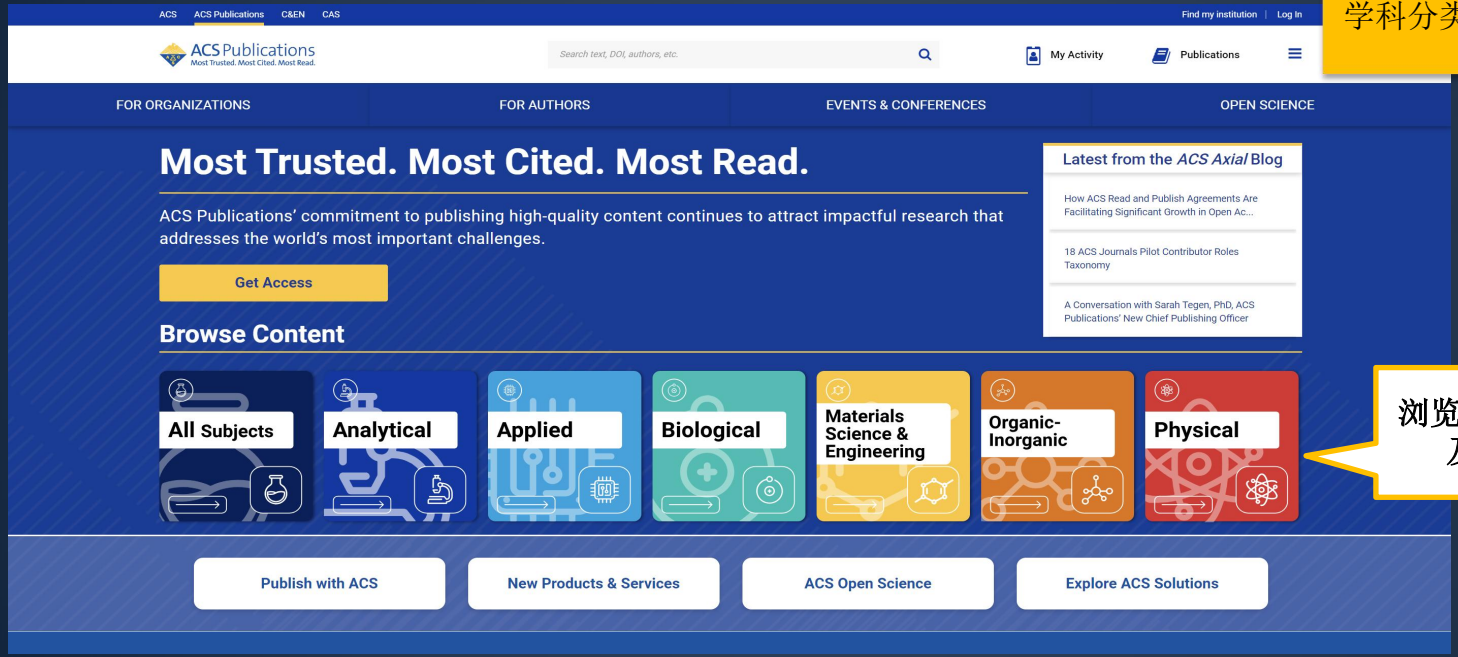

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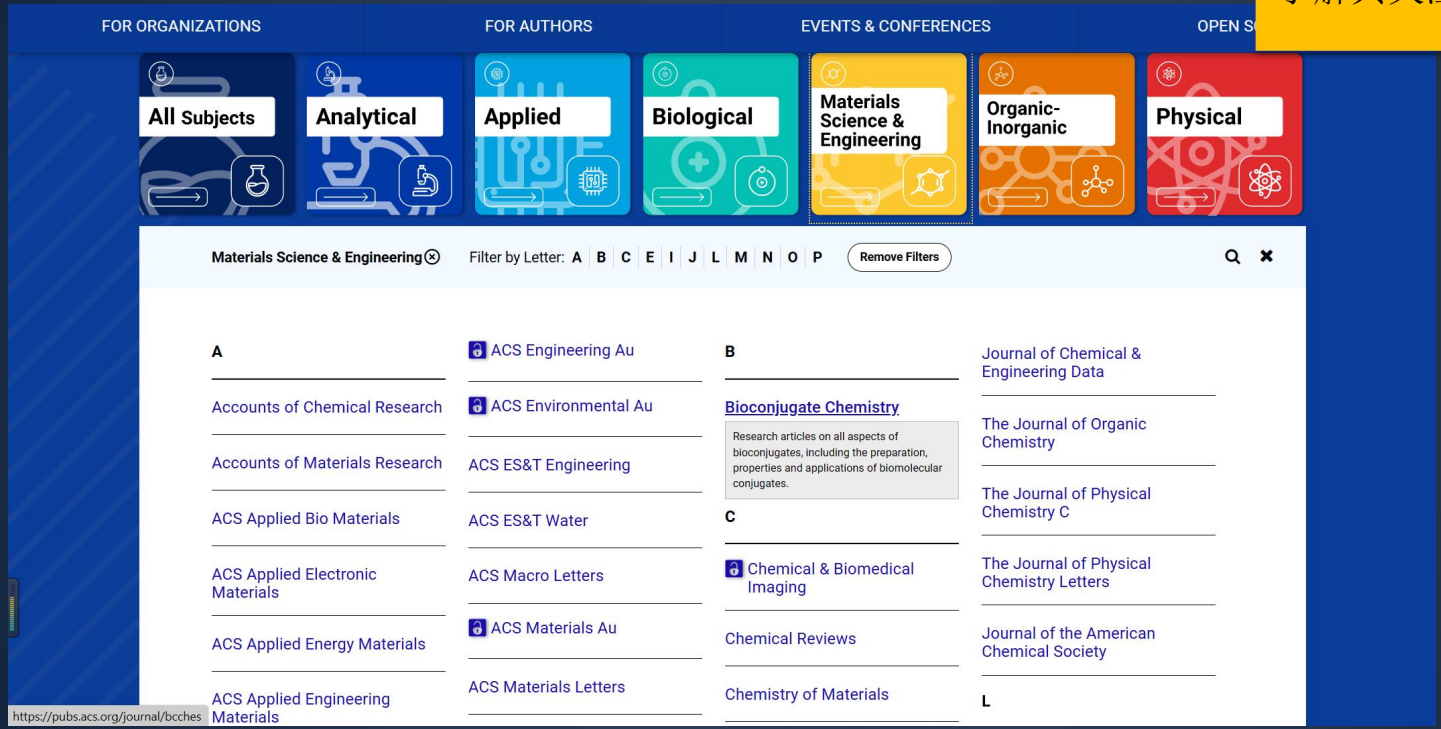

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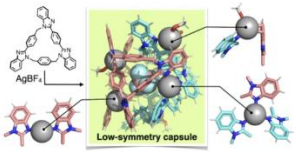

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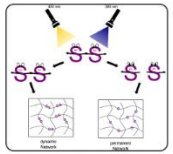

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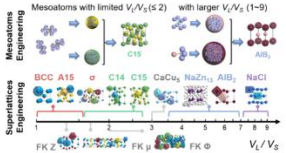

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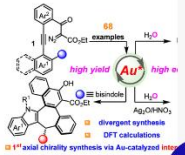

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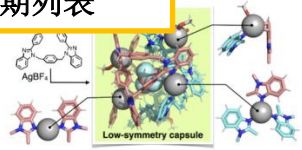

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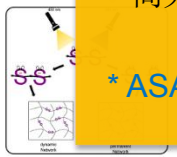

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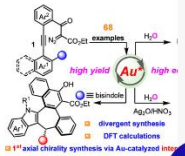

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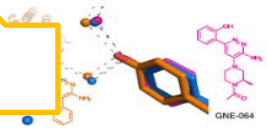

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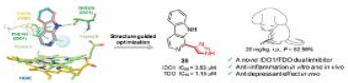

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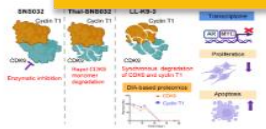

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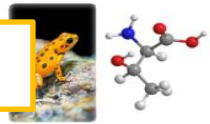

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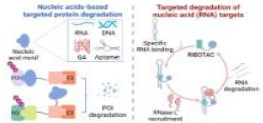

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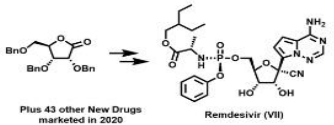

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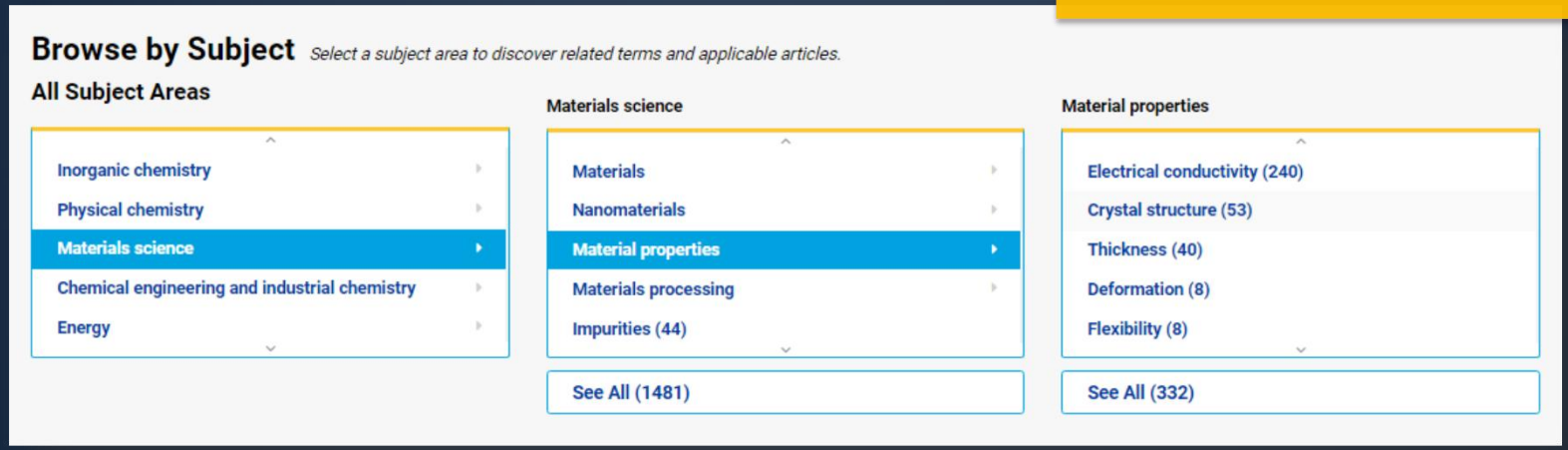

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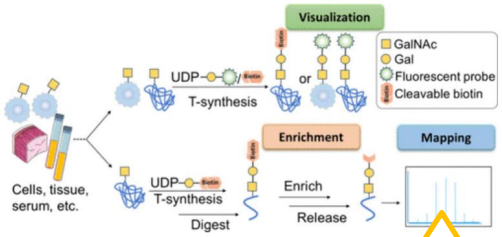

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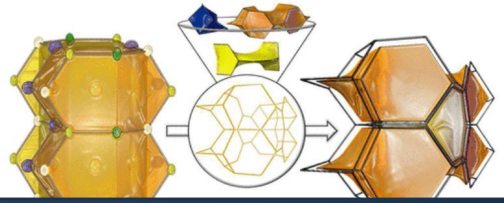

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Herein, we report the syntheses and electronic structures of crystalline dianionic as well as neutral diboron-centered classical diradicaloids as boron analogues of classical Thiele, Chichibabin, and Müller (this only for dianionic diradicaloids!)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

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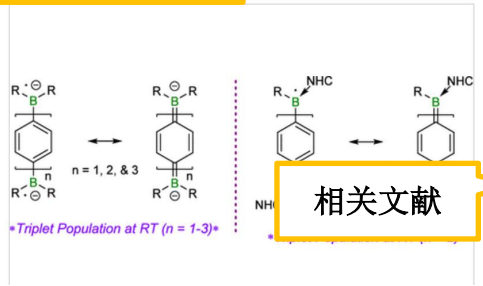

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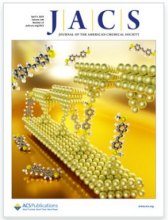

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Catalysts are essential to the efficient performance of technological systems and all living organisms. However, molecular scaling relationships (1−4) involving trade-offs between thermodynamic and kinetic performance metrics can limit their effectiveness.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

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

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1. Pérez-Ramírez, J.; Scaling Relationships DOI: 10.1038/s4192

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2. Masa, J.; Schuhma Electrocatalysis. *J. S* 2181− 2182, DOI: 10

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3. Nie, W.; McCrory, C. C. L. Strategies for Breaking Molecular Scaling Relationships for the Electrochemical CO_2 Reduction Reaction. *Dalton Trans.* **2022**, *51*, 6993−7010, DOI: 10.1039/D2DT00333C

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

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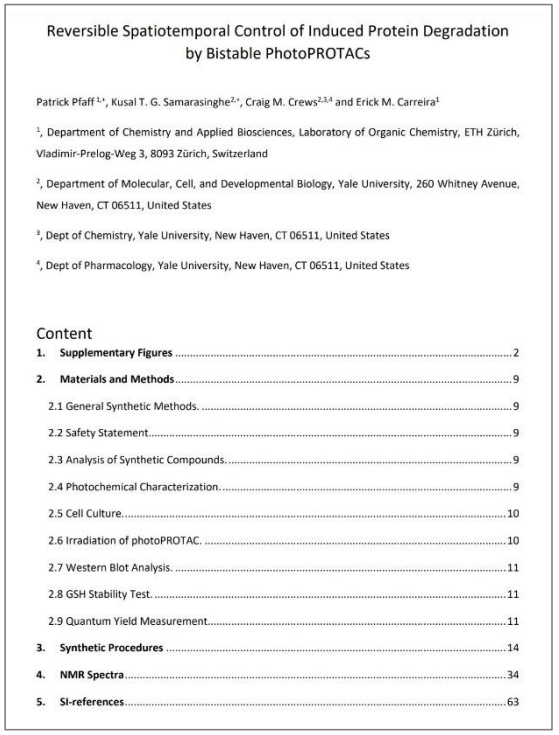

Reversible Spatiotemporal Control of Induced Protein Degradation by Bistable PhotoPROTACs

Patrick Pfaff[1,*], Kusal T. G. Samarasinghe[2,*], Craig M. Crews[2,3,4] and Erick M. Carreira[1]

[1], Department of Chemistry and Applied Biosciences, Laboratory of Organic Chemistry, ETH Zürich, Vladimir-Prelog-Weg 3, 8093 Zürich, Switzerland

[2], Department of Molecular, Cell, and Developmental Biology, Yale University, 260 Whitney Avenue, New Haven, CT 06511, United States

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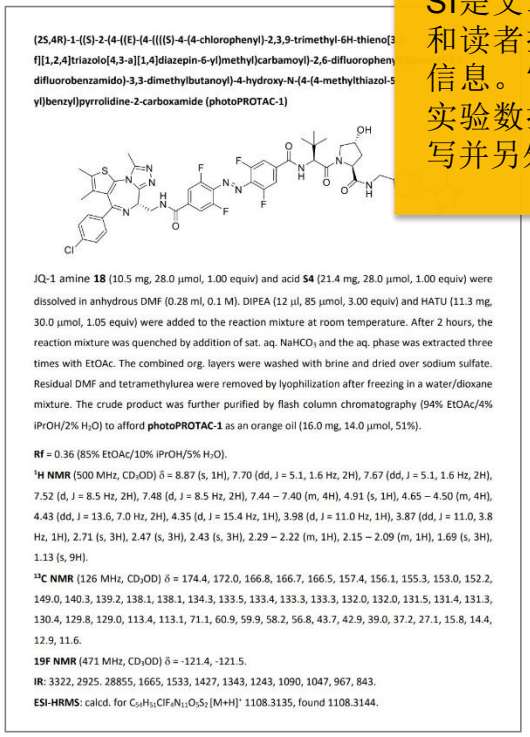


(2S,4R)-1-((S)-2-(4-((E)-(4-((((S)-4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3 f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)methyl)carbamoyl)-2,6-difluorophen difluorobenzamido)-3,3-dimethylbutanoyl)-4-hydroxy-N-(4-(4-methylthiazol-5 yl)benzyl)pyrrolidine-2-carboxamide (photoPROTAC-1)

JQ-1 amine **18** (10.5 mg, 28.0 µmol, 1.00 equiv) and acid **S4** (21.4 mg, 28.0 µmol, 1.00 equiv) were dissolved in anhydrous DMF (0.28 ml, 0.1 M). DIPEA (12 µl, 85 µmol, 3.00 equiv) and HATU (11.3 mg, 30.0 µmol, 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. $NaHCO_3$ and the aq. phase was extracted three times with EtOAc. The combined org. layers were washed with brine and dried over sodium sulfate. Residual DMF and tetramethylurea were removed by lyophilization after freezing in a water/dioxane mixture. The crude product was further purified by flash column chromatography (94% EtOAc/4% iPrOH/2% H_2O) to afford **photoPROTAC-1** as an orange oil (16.0 mg, 14.0 µmol, 51%).

Rf = 0.36 (85% EtOAc/10% iPrOH/5% H_2O).

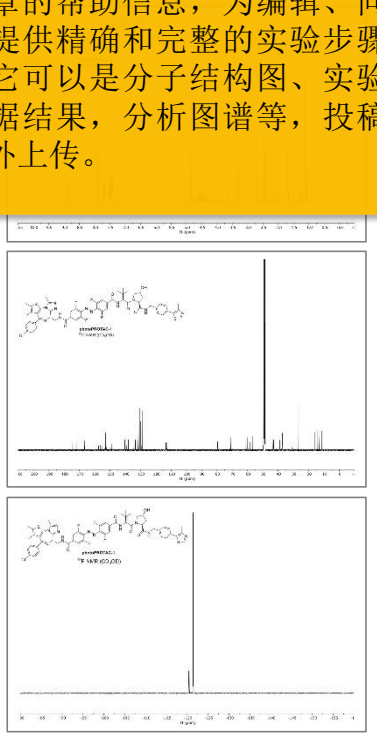
^{1}H NMR (500 MHz, CD_3OD) δ = 8.87 (s, 1H), 7.70 (dd, J = 5.1, 1.6 Hz, 2H), 7.67 (dd, J = 5.1, 1.6 Hz, 2H), 7.52 (d, J = 8.5 Hz, 2H), 7.48 (d, J = 8.5 Hz, 2H), 7.44 – 7.40 (m, 4H), 4.91 (s, 1H), 4.65 – 4.50 (m, 4H), 4.43 (dd, J = 13.6, 7.0 Hz, 2H), 4.35 (d, J = 15.4 Hz, 1H), 3.98 (d, J = 11.0 Hz, 1H), 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).

^{13}C NMR (126 MHz, CD_3OD) 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.

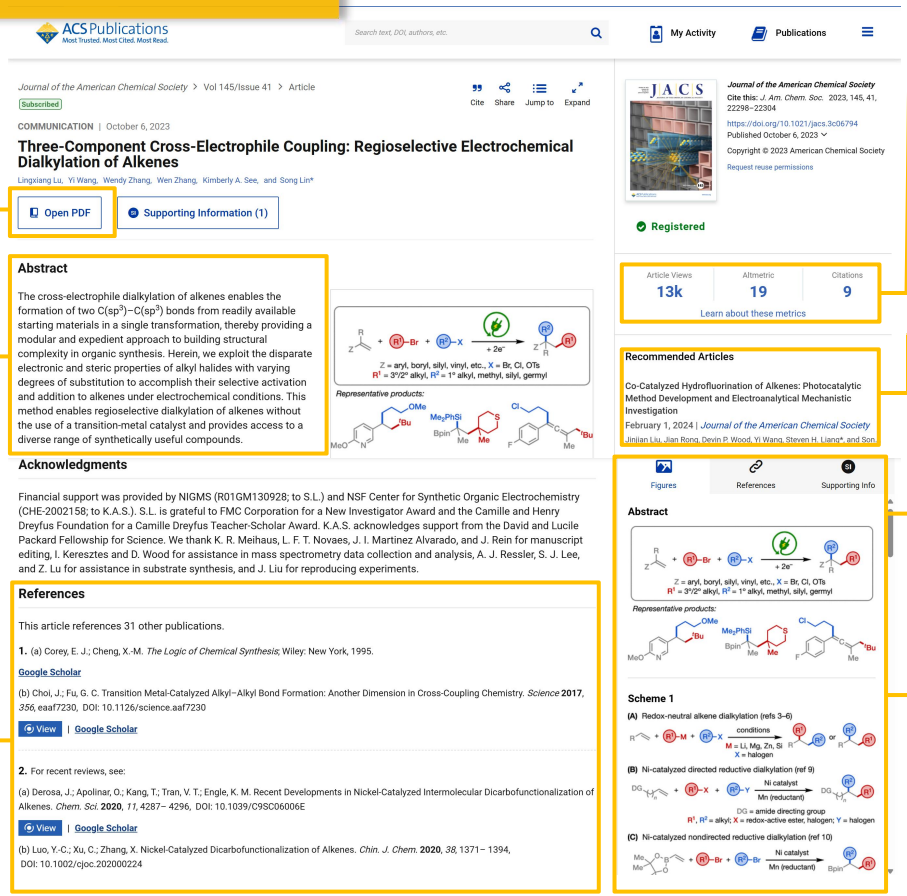
19F NMR (471 MHz, CD_3OD) δ = -121.4, -121.5.

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

ESI-HRMS: calcd. for $C_{56}H_{51}ClF_6N_{11}O_5S_2$ $[M+H]^+$ 1108.3135, found 1108.3144.



Article Pages 文章页面



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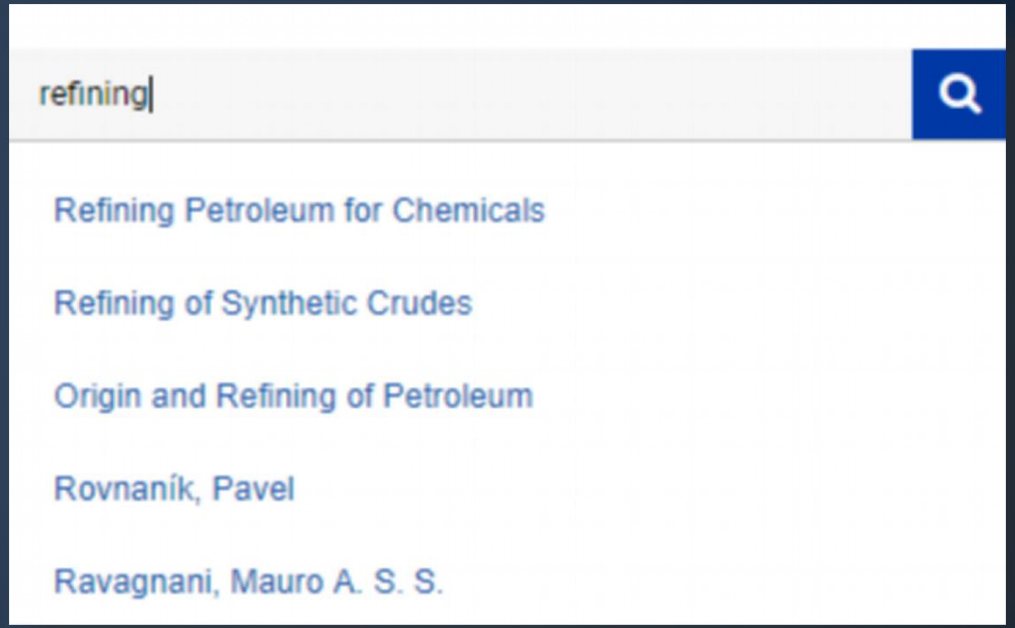
Supporting Information
帮助信息

如何开启高级检索并收藏检索式？

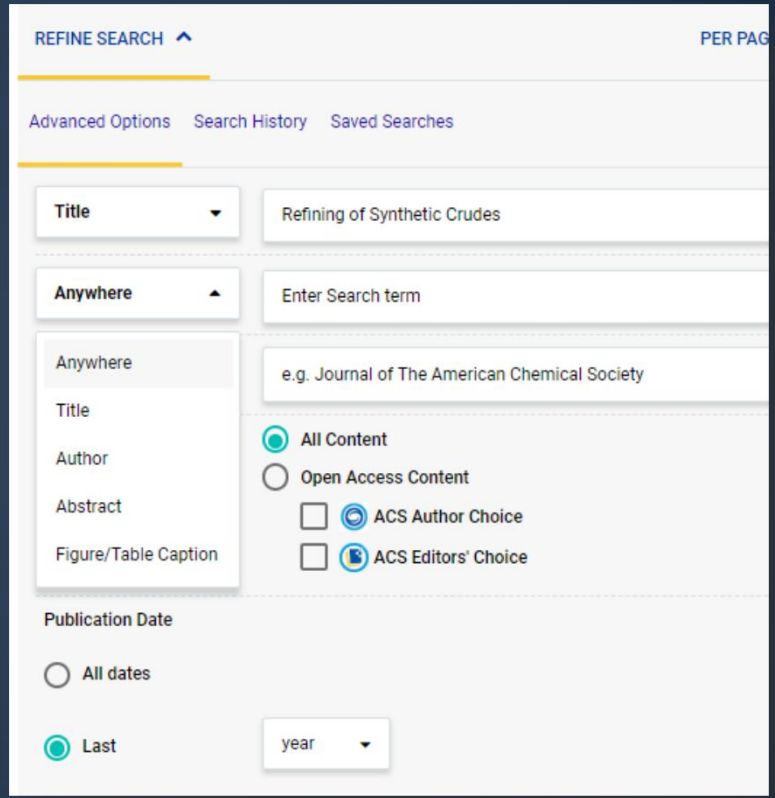
Step 1-简单检索
在首页检索栏输入关键词或作者名。
输入过程中触发的联想关键词，可提供相关性更高的检索结果。



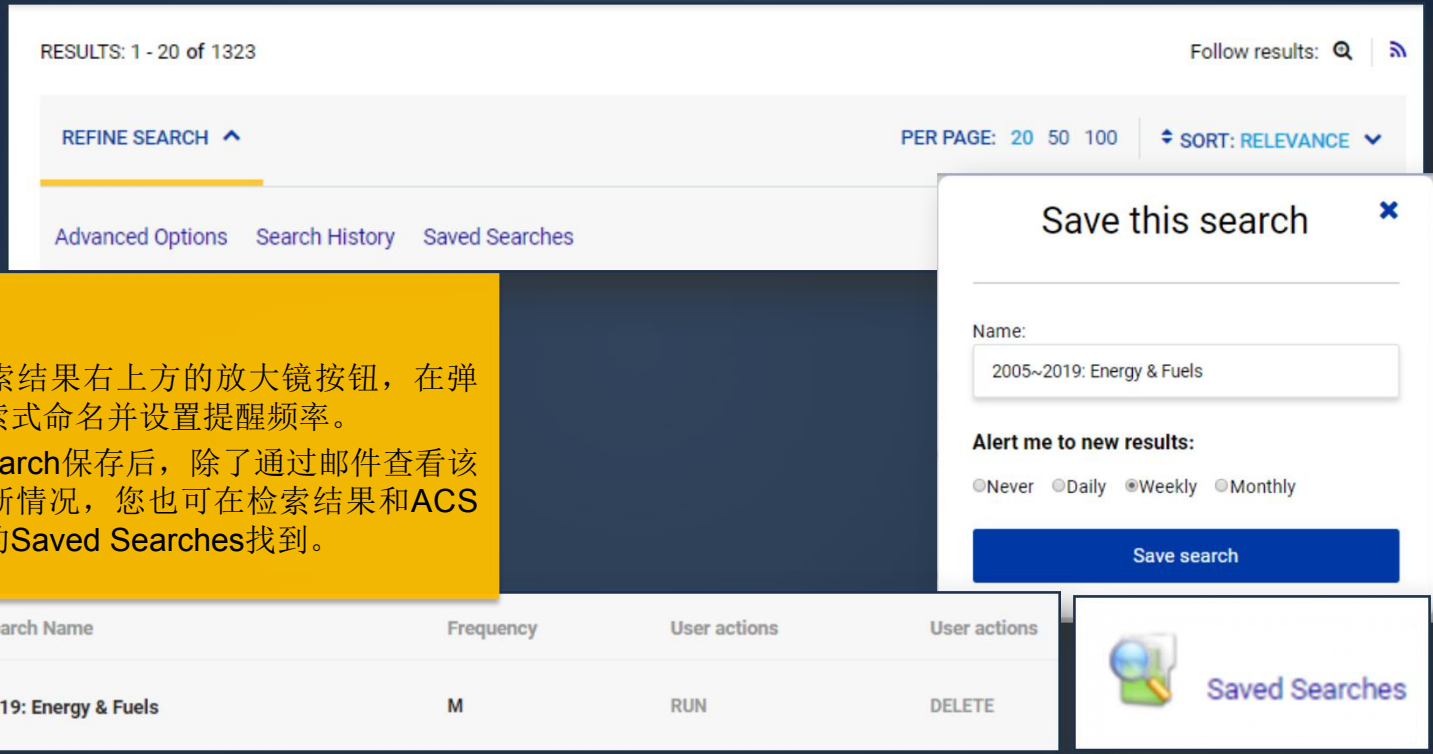
如何开启高级检索并收藏检索式？

Step 2-筛选

点击一次检索结果页面的Refine Search，展开高级检索条件，如检索词出现的位置、出版日期、期刊名称等。做好进一步筛选后，再次检索。



如何开启高级检索并收藏检索式？



Step 3-保存

点击最终检索结果右上方的放大镜按钮，在弹出窗口为检索式命名并设置提醒频率。

点击Save search保存后，除了通过邮件查看该检索式的更新情况，您也可在检索结果和ACS ID账号后台的Saved Searches找到。

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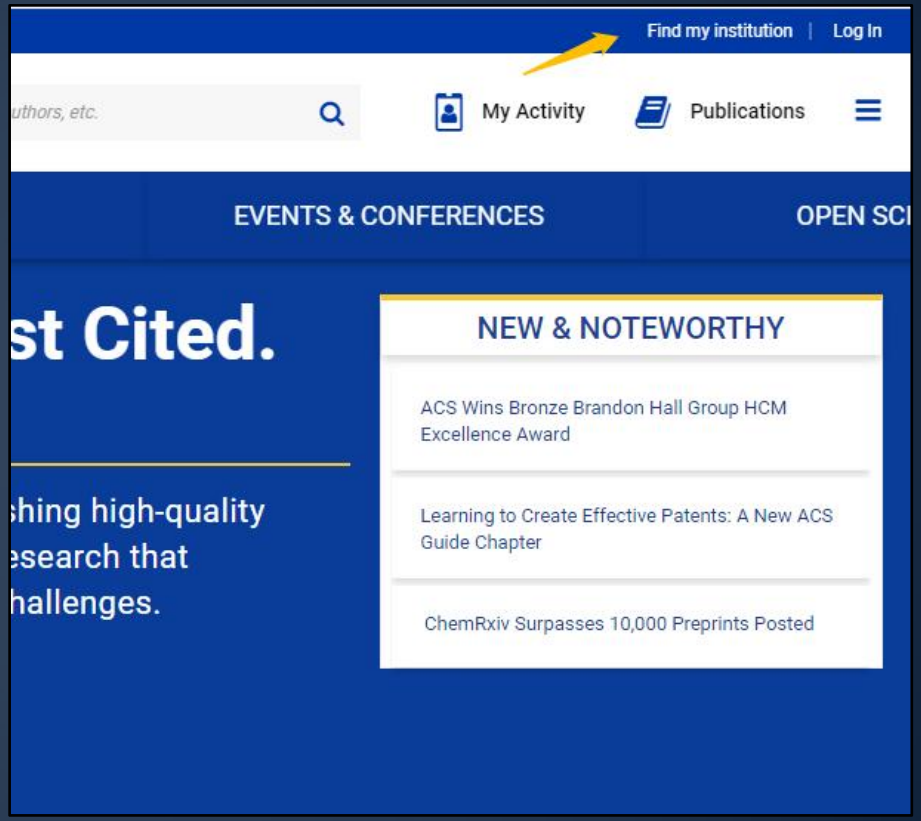
2020年起，ACS 数据库加入CARSI，即“Cernet统一认证与资源共享基础设施联盟”，向该联盟的成员高校提供行远程访问认证服务。

Step 1
点击数据库首页右上角的“Find my institution”



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Step 2
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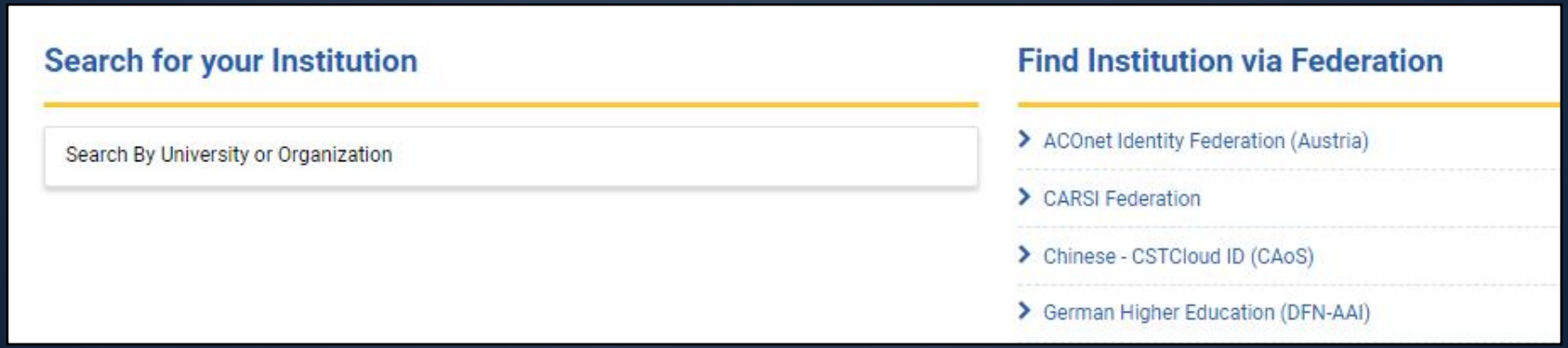

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点击所在学校的名称进入认证页面，登陆后即可在校外访问ACS电子期刊和图书资源

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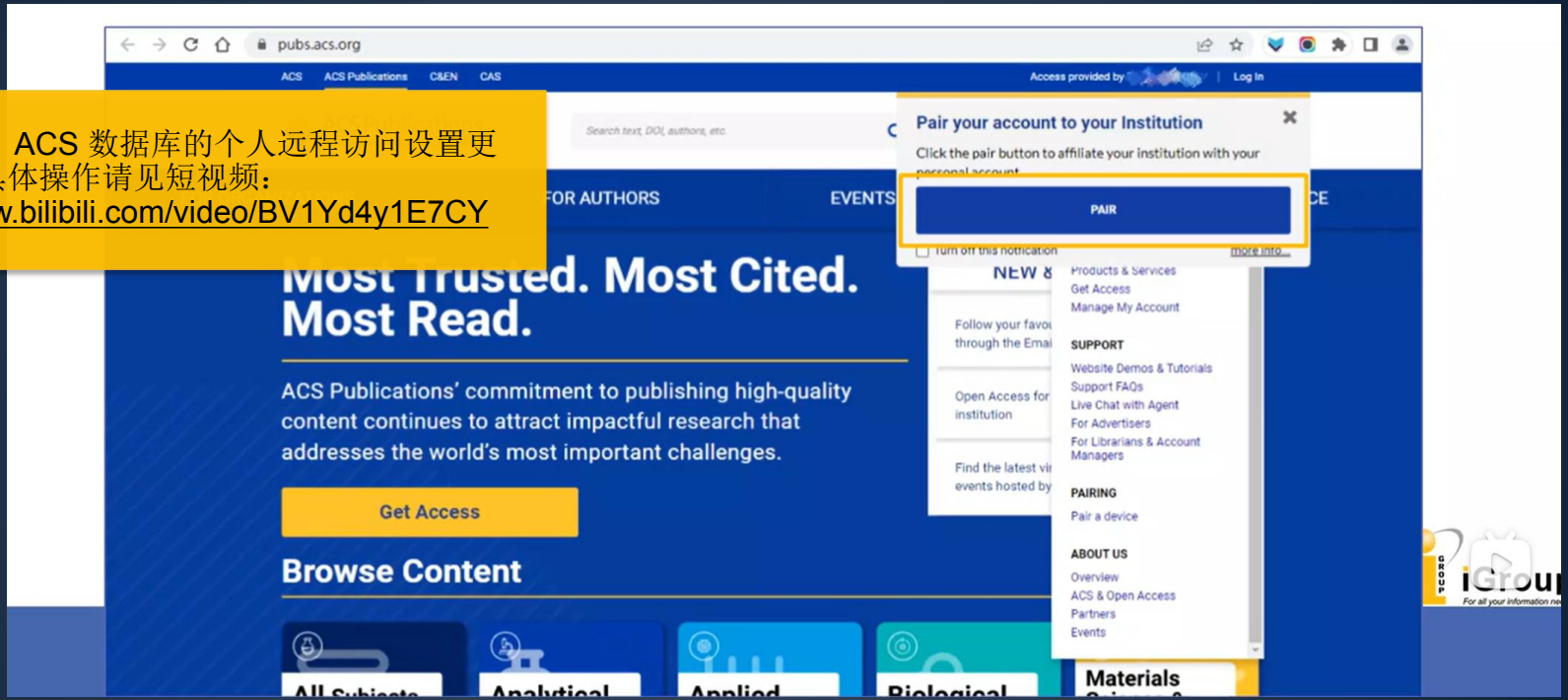

* 设置后四个月内回到IP范围内再次认证！
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ACS资源介绍

ACS Publications 数据库资源

https://pubs.acs.org

ACS 美国化学会成立于 1876 年，现已成为世界上最大的科技学协会之一，拥有超过 15 万会员。

ACS 数据库学术资源包含 80 多种电子期刊，1700 多本电子图书，化学与工程新闻，试剂参考工具书，写作指南等。

全库文章超过 150 万篇，涵盖了 20 多个与化学相关的研究领域。

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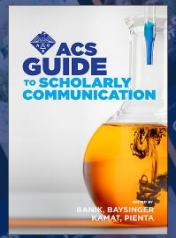

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WE COVER EVERY ASPECT OF CHEMISTRY

ACS 的很多期刊是跨学科的，涵盖了广泛的研究领域课题的前沿研究成果。研究需要寻求的答案可能不仅限于一种 ACS 期刊。

ACS 期刊涵盖的学科领域包括但不限于：

- **传统化学二级学科及相关学科**

无机化学　有机化学　物理化学　分析化学
分子生物学　环境科学与工程　材料科学与工程　农学与食品科学

- **近年新刊涉及的交叉学科**

晶体学　绿色化工　纳米技术　清洁能源　地球化学
化学信息学　生物材料　临床化学　药理学　电化学

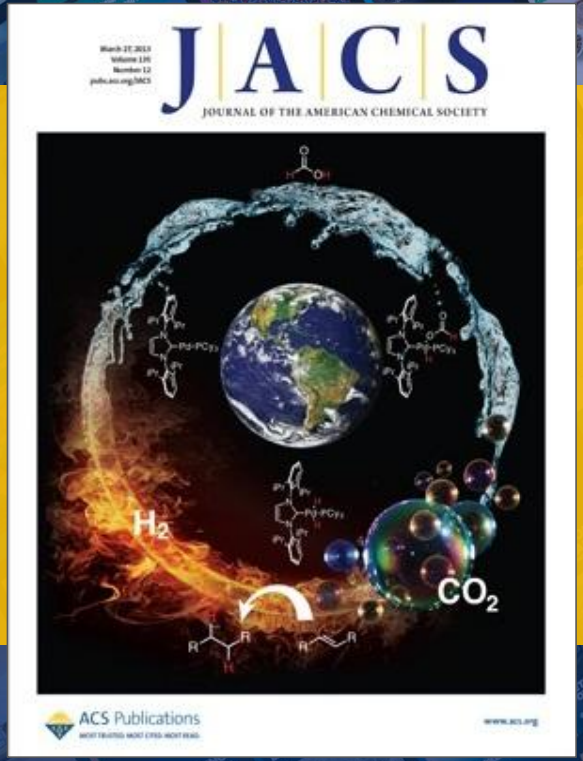
Journal of the American Chemical Society 美国化学会志

Impact Factor ＞ 14 | Annual Citations ＞ 560K

美国化学会志 **JACS** 创刊于 **1879** 年，是美国化学会的旗舰期刊，也是世界上所有化学和科学交叉领域的杰出期刊。

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

发表化学各个领域里顶尖的基础和应用研究成果。



期刊收录研究方向：跨学科化学（包括生物化学、药物化学、物理化学等）

Indexed in: CAS, SCIE, Scopus, PubMed, etc.

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Chemical Reviews 化学评论

Impact Factor ＞ 50 | Annual Citations ＞ 230K

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

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

期刊收录研究方向：跨学科化学（包括生物化学、药物化学、物理化学等）

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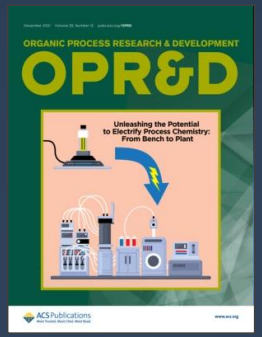
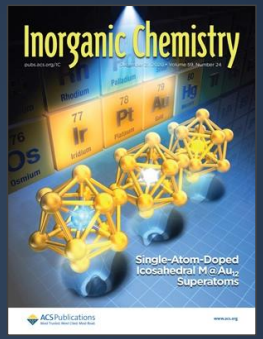
Basic Science of Chemistry 化学的基础科研领域

有机化学

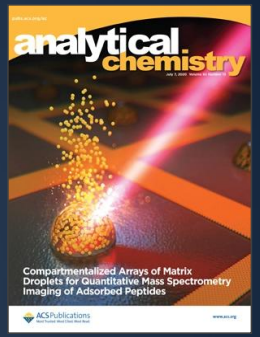
有机快报



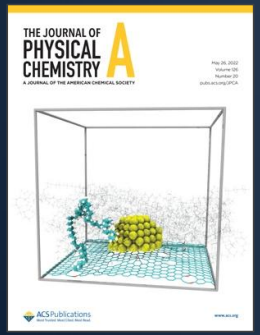
有机工艺



无机化学

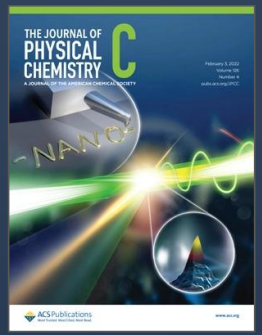


分析化学

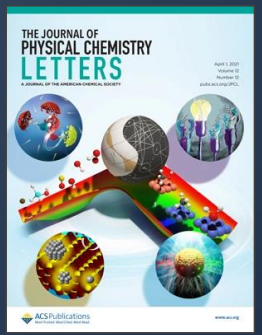


物理化学 A

物理化学 B



物理化学 C



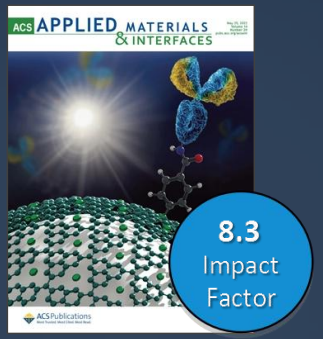
物理化学快报

化工研究

Materials Science & Engineering 材料科学与工程

材料化学

材料快报



应用材料&界面

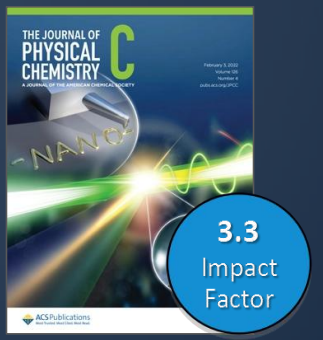
纳米材料

高分子材料

生物材料

能源材料快报

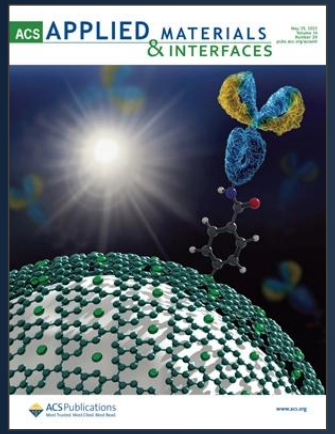
催化科学



材料物理化学

材料综述

Applied Materials Science & Engineering 应用材料系列期刊



ACS Applied Materials & Interfaces

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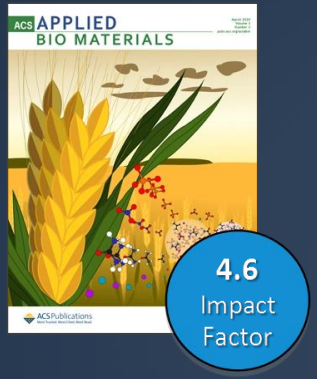


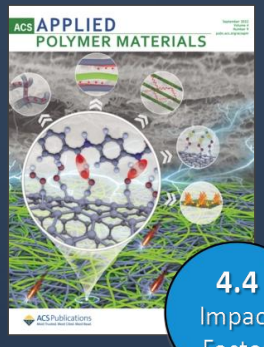
4.6 Impact Factor

4.3 Impact Factor

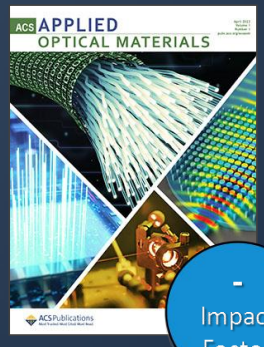
5.4 Impact Factor

- Impact Factor

5.3 Impact Factor



4.4 Impact Factor



- Impact Factor

ACS AMI 子刊

生物材料 Bio

电子材料 Electronic

能源材料 Energy

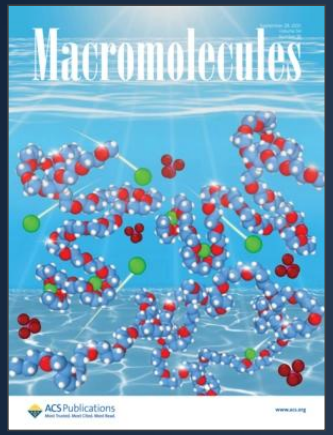
工程材料 Engineering

纳米材料 Nano

聚合材料 Polymer

光学材料 Optical

Polymer Science 高分子科学



Macromolecules

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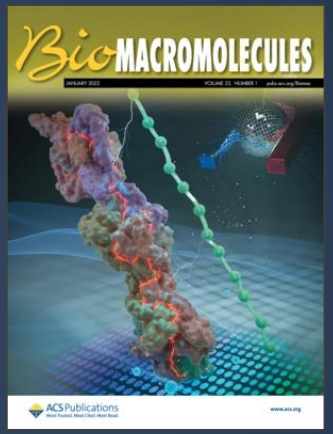
5.1

ACS Macro Letters

IMPACT FACTOR

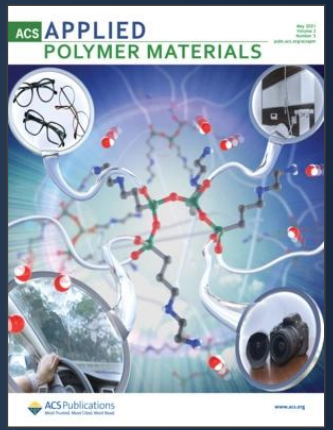
5.2



Biomacromolecules

IMPACT FACTOR

5.5



ACS Applied Polymer Materials

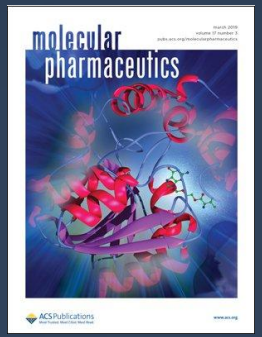
IMPACT FACTOR

4.5

Pharmaceuticals 药物化学

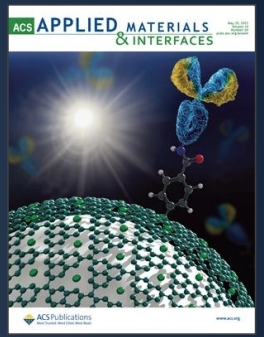
药物化学

药物化学快报

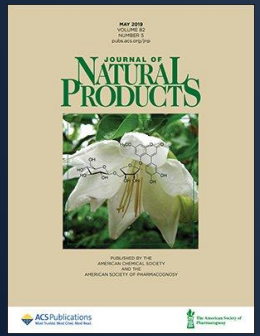


分子药剂学

药物制剂

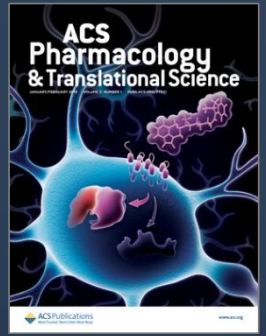


界面现象&应用

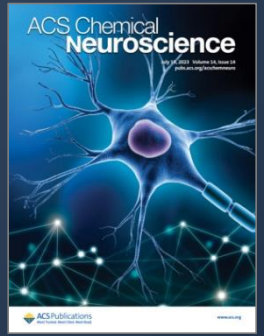


天然产物研究

毒理学



药学与转化科学



化学神经科学

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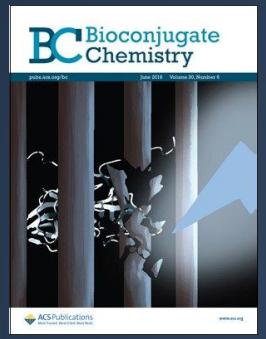
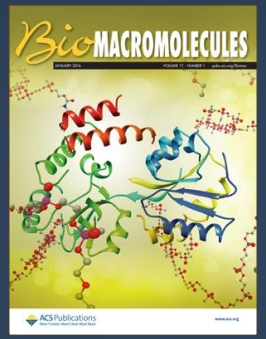
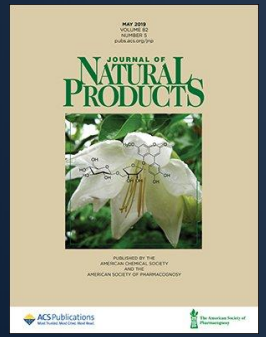
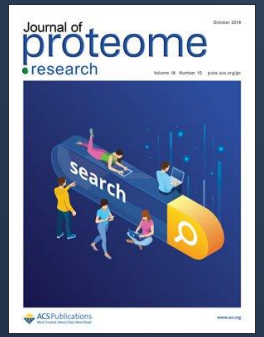




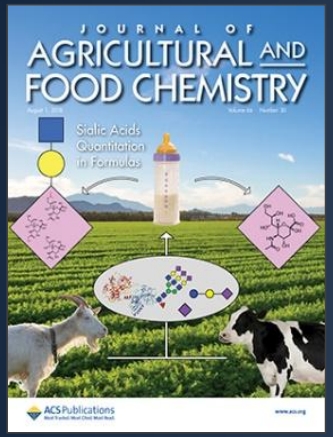




生物技术与生物化学期刊

- ACS Applied Bio Materials
- ACS Biomaterials Science & Engineering
- ACS Chemical Biology
- ACS Chemical Neuroscience
- ACS Synthetic Biology ←
- Biochemistry ←
- Bioconjugate Chemistry ←
- Biomacromolecules ←
- Journal of Agricultural and Food Chemistry
- Journal of Natural Products （与美国生药协会合办）←
- Journal of Proteome Research ←

Agriculture and Food Science 农业与食品科学



Journal of Agricultural and Food Chemistry

IMPACT FACTOR
5.7

ACS Agricultural Science & Technology

IMPACT FACTOR
2.4

ACS Food Science & Technology

IMPACT FACTOR
2.6

Journal of Natural Products

IMPACT FACTOR
3.4

Environmental Science 环境科学与技术

Environmental Science & Technology

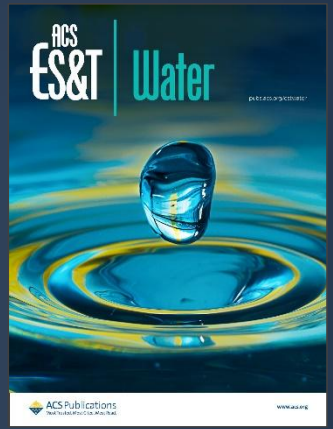
IMPACT FACTOR
10.9

Environmental Science & Technology Letters

IMPACT FACTOR
8.9

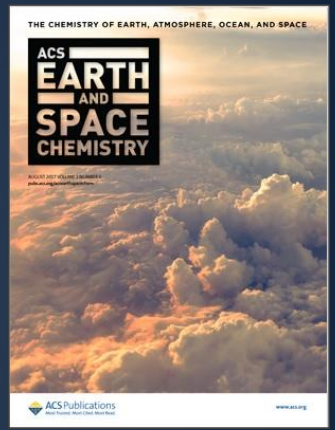
ACS ES&T Engineering

IMPACT FACTOR
7.5



ACS ES&T Water

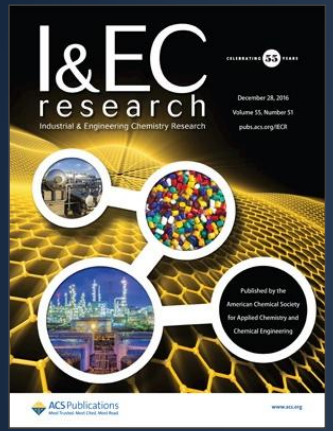
IMPACT FACTOR
4.9



ACS Earth and Space Chemistry

IMPACT FACTOR
2.9

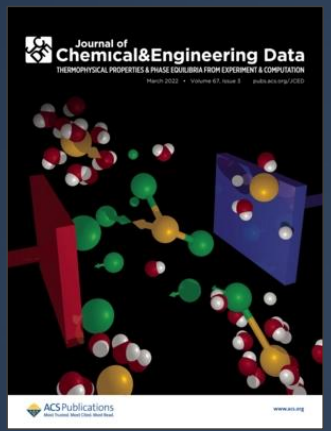
Energy and Transportation 化工与能源



Industrial & Engineering Chemistry Research

IMPACT FACTOR

3.8



Journal of Chemical & Engineering Data

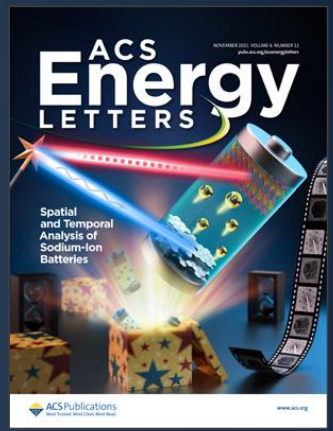
IMPACT FACTOR

2.0

Energy & Fuels

IMPACT FACTOR

5.2



ACS Energy Letters

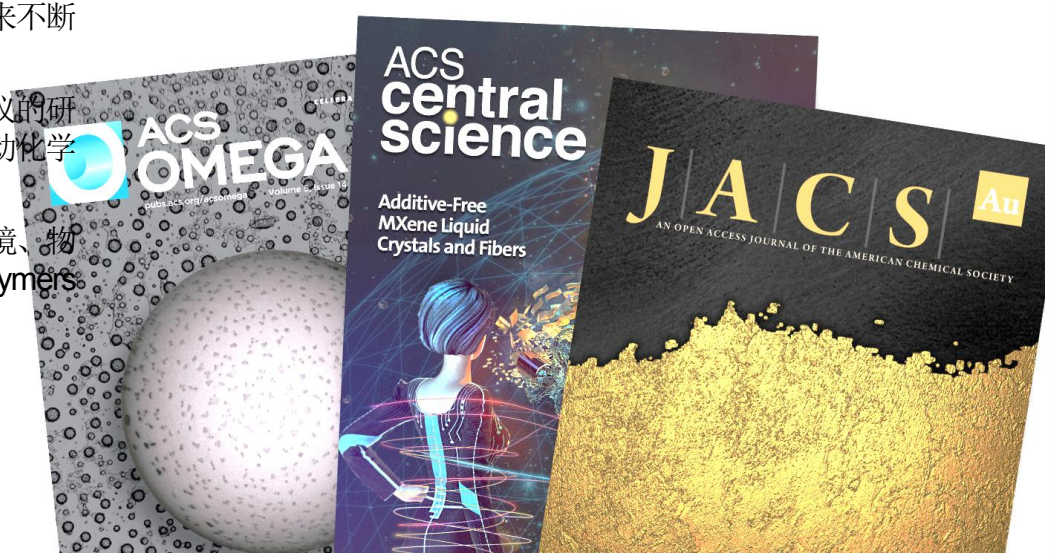
IMPACT FACTOR

19.5

Open Access Journals

ACS 对全球开放科学呼声的回应

- 学术出版多年来一直在向开放获取迈进，ACS积极应对全球开放获取以及开放科学的呼声，2020年之前，ACS旗下有两本全OA的期刊。
- 2015年上线的ACS Central Science（不收取发表费用），目标是提升化学作为“核心科学”的关注度，自创刊以来不断发表与其他学科交叉领域杰出的研究成果。
- 2016年上线的ACS Omega, 旨在快速发表经过同行评议的研究成果，加快新理念和有潜力的研究的传播，从而推动化学科学的前沿。
- 2021年起上线Au（金）系列期刊，提供覆盖有机、环境、物理等各个领域的全OA期刊。目前JACS Au和ACS Polymers Au已获得首个影响因子。



Open Access Journals

美国化学会旗下的开放获取期刊总共有 **18** 种，分别具有不同的内容和定位。

ACS Central Science，ACS Omega，JACS Au ： 跨学科化学期刊

ACS Au Journals 期刊：

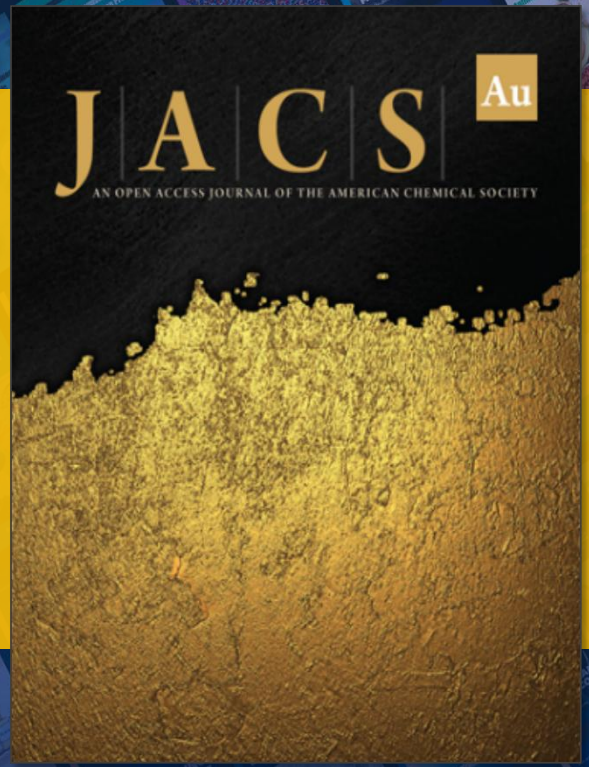
- ACS Bio & Med Chem Au
- ACS Engineering Au
- ACS Environmental Au
- ACS Materials Au
- ACS Measurement Science Au
- ACS Nanoscience Au
- ACS Organic & Inorganic Au
- ACS Physical Chemistry Au
- ACS Polymers Au

ACS 与中国的高校/科研机构的合作期刊：

Precision Chemistry	2023	University of Science and Technology of China
Chemical & Biomedical Imaging	2023	Nanjing University
Environment & Health	2023	the Research Center for Eco-Environmental Sciences, CAS

JACS Au——为各个学科推出Au系列OA期刊

- 2021年1月正式出版首期，每期收录10~20篇文章。
- 在涉及化学领域各分支学科的同时，更看重研究的即时影响力。
- 遵循JACS的传统，发表对全球化学群体都具有广泛影响和相关性的研究。
- JACS Au 拥有一支独立于其他期刊的编辑团队。
- 遵循 ACS AuthorChoice政策。



ACS Publications除了拥有丰富的期刊资源外，还有其它类型的学术资源，例如电子图书、科研写作指南、C&EN新闻杂志等

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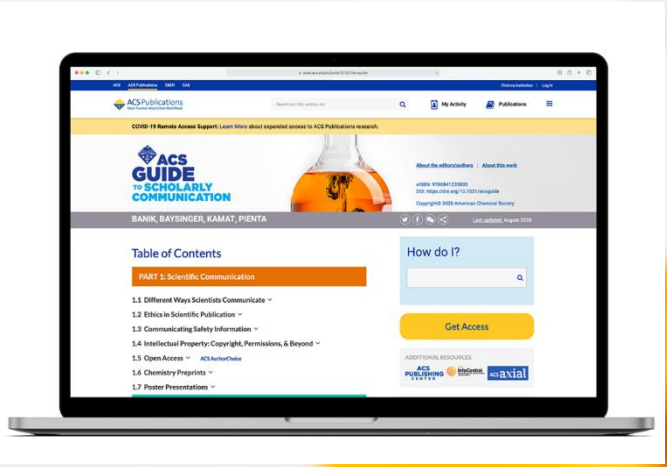
ACS GUIDE TO SCHOLARLY COMMUNICATION

https://doi.org/10.1021/acsguide

- **ACS Guide to Scholarly Communication** 学术交流指南是一本在线参考工具书，旨在为学生、研究人员、教育工作者和图书馆员提供掌握学术交流所需的指导与建议。
- 适用于广泛的学科领域，蕴含生动的多媒体资源和科技论文写作的指导。
- **适用人群：本科生，研究生，教师。**



ACS REAGENT CHEMICALS

https://pubs.acs.org/doi/book/10.1021/acsreagents

- **ACS Reagent Chemicals** 是一份权威的化学品试剂标准手册。
- 已为500多种常用的化学品提供最高级别的纯度标准。
- 提供符合本标准的化学品理化性质，详细的规格参数以及相应的测试方法。
- 美国药典 USP 使用符合此标准的化学品用于药物测试。
- 美国食品药品监督管理局 FDA 执行 USP 的实施准测。

c&en
CHEMICAL & ENGINEERING NEWS

https://pubs.acs.org/journal/cgeabj

- **C&EN Global Enterprise** 是美国化学会旗下的知名杂志。
- 回溯年份自 2016 年起，每周出版一期。
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iGroup ACS Team

周蓓蓓 - **team leader** (maggie@igroup.com.cn)

赵璟、虞昊安 - **trainer** (rudy@igroup.com.cn/diana@igroup.com.cn)

任　彦 - **coordinator** (maryann@igroup.com.cn)

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