

Wiley高质量产品和服务  
助力您科学研究每一步

朱苗 Wiley中国产品与解决方案顾问

2022.04.22

# 免责声明 Disclaimer

本次培训讲师是约翰威立商务服务（北京）有限公司全职员工。

We are full-time employees of Wiley company.

下列幻灯片陈述的观点和意见，仅作为演讲者个人看法，不代表会议主办方，且与演讲者所属单位无关。

The views and opinions expressed in the following PowerPoint slides are those of the individual presenter and should not be attributed to the event organizer or presenter's employer.

本演讲是以培训和经验分享为目的，本人与会议组织方不存在利益关系。

This presentation serves the purpose of educational and best practice sharing, I don't have conflict of interest with the event organizer.

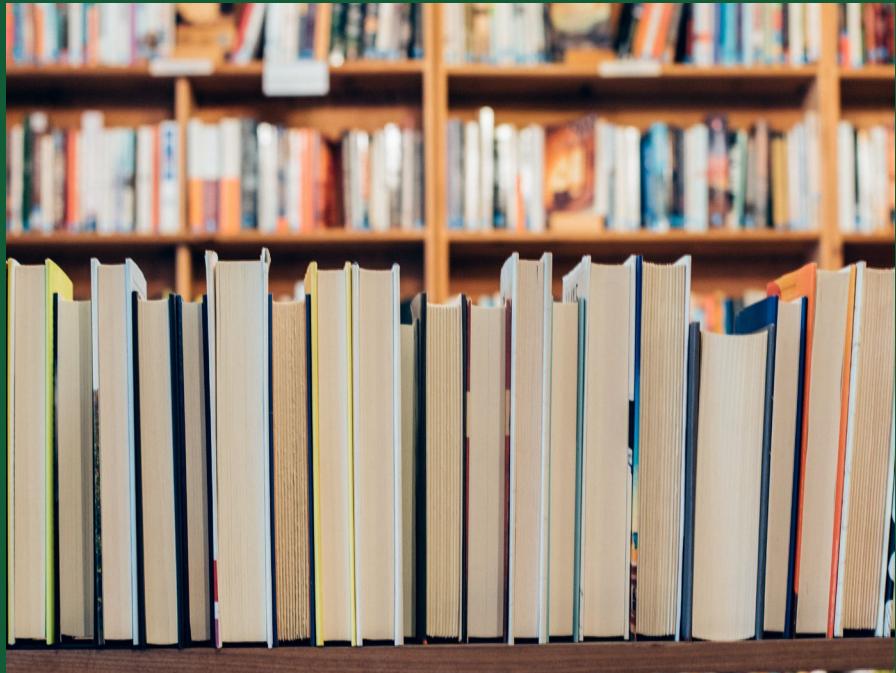
本演讲材料包括幻灯片属于演讲者个人知识产权，受所在国版权法律保护，经许可方可使用。演讲者对演讲材料保留所有权利。

These PowerPoint slides are the intellectual property of the individual presenter and are protected under the copyright laws of China and other countries. Used by permission. All rights reserved.

# Agenda

1. 知其所有
2. 为我所用
3. 畅享学术服务

# WILEY



## 知其所有

---

全学科期刊全文

**The Cochrane Library** 考克兰图书馆

**Current Protocols** 实验室指南

**Wiley Digital Archives** 数字档案

---

# 关于Wiley

- 创始于**1807**年
- 服务于**1800**万研究人员和专业人士
- 与高校合作**222**个在线项目
- **850+**学协会合作伙伴
- **500+**诺奖得主
- 客户遍布全球**140+**国家
- 全球分布30个国家，76个办公室



创始于 **1807** 年



超过 **900** 万篇  
文章



每年超过 **3.5** 亿次  
下载

## 广泛的分布



**400** 万  
学协会成员

**140+**  
国家

**25,000+**  
家机构

## 强大的合作伙伴

**850+**  
学协会

**500+**  
诺贝尔奖得主

**650,000**  
作者



# Wiley期刊影响力持续增长



近 **1,700** 种期刊



Impact factor: **508.702**

2020 JCR (Clarivate Analytics):

**1/242 (Oncology)**



**1,281**

种期刊被收录在2020JCR中



**1,155**

种期刊的影响因子均有所提高



**219**

种期刊在学科分类中排名前十



在JCR的236种学科分类中，  
Wiley期刊涵盖了其中的 **219** 种



**10,845,350**



次引用Wiley的文章

**613**



学协会合作伙伴

\*JCR is released annually and the 2020 report was published in June 2021

WILEY

PROPRIETARY & CONFIDENTIAL

# Wiley高品质期刊助力科研

内容涵盖化学，材料科学，医学，生命科学，地球与环境科学，数学及健康科学等学科



**Angewandte Chemie  
International Edition**  
《应用化学国际版》

2020 JCR 排名:  
2/178 多学科化学



**Advanced Materials**  
《先进材料》

2020 JCR 排名:  
5/178 材料科学，多学科  
3/106 纳米科学与纳米技术



**Global Change  
Biology**  
《全球生物学变化》

2020 JCR排名:  
1/60 生物多样性保护类别



**Water Resources  
Research**  
《水资源研究》

2020 JCR 排名:  
2/21 湖沼学类



**The Journal of  
Finance**  
《金融期刊》

2020 JCR排名:  
2/108 商学，金融  
10/376 经济学



**CA: A Cancer Journal  
for Clinicians**  
《临床医师癌症期刊》

2020 JCR 排名:  
1/242 肿瘤学

# Cochrane Library: 全面的循证医学数据库

The screenshot shows the homepage of the Cochrane Library. At the top left is the logo 'Cochrane Library' with the tagline 'Trusted evidence. Informed decisions. Better health.' Below the logo is a navigation bar with links: 'Cochrane Reviews', 'Trials', 'Clinical Answers', 'About', and 'Help'. A blue banner features a woman in a clinical setting with the text 'Woman receiving therapy'. Below this is a large image of a woman sitting in a chair, smiling. A caption below the image reads 'Behavioural interventions for smoking cessation: an overview and network meta-analysis' and 'Read the Review'. At the bottom of the page are links for 'Highlighted Reviews', 'Editorials', and 'Special Collections'.

<https://www.cochranelibrary.com/>

- *Cochrane Database of Systematic Reviews (CDSR)*包含超过10,000篇系统评价与计划书，是实践循证医学最好的证据来源之一；
  - 2020 Impact factor: 9.289;
  - ISI Journal Citation Reports @ Ranking: 11 of 167 (Medicine, General and Internal)。
- *Cochrane Central Register of Controlled Trials (CENTRAL)*包含1,856,000+个临床试验，是发表系统评价不可或缺的资源之一；
- *Cochrane Clinical Answers (CCA)*包含3100+种临床答案，为医护工作者提供最直观的临床决策参考。

注：以上数据统计截至2022年4月19日

# Current Protocols: 顶级科学家撰写的实验指南



A Wiley Brand

The Current Protocols collection includes over 24,000 step-by-step techniques, procedures, and practical overviews that provide researchers with reliable, efficient methods to ensure reproducible results and pave the way for critical scientific discovery. With its emphasis on carefully curated, highly edited methods rich in detail, practical advice, and troubleshooting, Current Protocols enables researchers to advance their research with an efficiency of time and resources.

**Browse Articles**

Most Recent   Most Accessed   Most Cited

PROTOCOL | Free Access

Laboratory Maintenance and Culturing of the Nematode-Trapping Fungus *Arthrobotrys oligospora*

Hung-Che Lin, Yen-Ping Hsueh

Current Protocols | First Published: 5 February 2021  
<https://doi.org/10.1002/cpz1.41>

Abstract | Full text | PDF | References | Request permissions

Current Protocols | First Published: 2 September 2021  
<https://doi.org/10.1002/cpz1.42>

Wiley 实验室指南(**Current Protocols**)是由顶级科学家专为生命科学，医学与药学科研人员开发的实验室指南\*

- 内容不断更新，与时俱进，覆盖18个学科
- 25,000+篇实验流程
- 超高的质量确保了实验结果的有效性与可重现性
- 每篇实验指南均经过同行评审

\*注：以上数据统计截至2022年4月19日

广泛被世界著名高校，实验室及跨国药企使用



Cornell University



COLUMBIA UNIVERSITY  
IN THE CITY OF NEW YORK



JOHNS HOPKINS  
UNIVERSITY



Cold Spring Harbor Laboratory



European Molecular  
Biology Laboratory



HARVARD  
UNIVERSITY



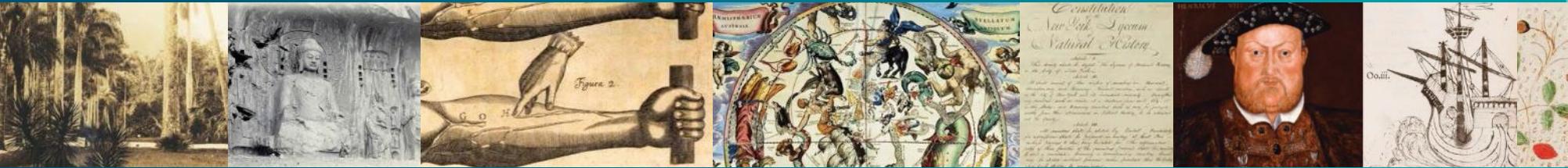
清华大学  
Tsinghua University



上海交通大学  
SHANGHAI JIAO TONG UNIVERSITY

MERCK

# Wiley Digital Archives



数字化体验世界顶尖学协会首次公开的珍贵典藏资料

- 通过Wiley Digital Archives (WDA) 可以直接获取世界优秀学协会的独家资源
- 产品合集涵盖理工科学，人文社科，医学等各个领域



The New York Academy of Sciences

纽约科学院



The Royal Anthropological  
Institute of Great Britain and  
Ireland

英国皇家人类学学会



The Royal College of  
Physicians

英国皇家内科医师学会



Royal Geographical  
Society  
(with IBG)

皇家地理学会



British Association of  
the Advancement of Science

英国科学促进协会

## 资源类型包括

- |        |        |        |
|--------|--------|--------|
| • 手稿   | • 田野调查 | • 手册   |
| • 地图   | • 信件   | • 报告   |
| • 行政记录 | • 照片   | • 灰色文献 |
| • 期刊   | • 图表   | • 史料   |
| • 数据   | • 学报   | • 其他   |
| • 专著   | • 个人论文 |        |

# WILEY



## 为我所用

---

**Wiley Online Library高效使用与文献阅读**

**研究进展追踪**

**期刊论文发表准备与流程**

---

# Wiley Online Library平台界面清晰，便捷查询所需内容

The screenshot shows the Wiley Online Library homepage. At the top right is a 'Login / Register' button. Below it is a search bar with placeholder text 'Search publications, articles, keywords, etc.' and an 'Advanced Search' link. A large image of a COVID-19 virus is in the background. Below the search bar are three buttons: '1,600+ Journals', '250+ Reference Works', and '22,000+ Online Books'. The 'Resources' section includes links for Researchers, Librarians, Societies, and Authors. The 'Subjects' section lists 17 major subjects with dropdown menus.

- 账户管理 (Account Management) - Points to the 'Login / Register' button.
- 一般检索与高级检索入口 (General and Advanced Search Entry) - Points to the search bar area.
- 按照出版物类型 (期刊, 参考工具书及电子图书) 进行浏览 (Browse by publication type (journals, reference works, and e-books)) - Points to the '1,600+ Journals', '250+ Reference Works', and '22,000+ Online Books' buttons.
- 不同用户资源 (Different User Resources) - Points to the 'Researchers', 'Librarians', 'Societies', and 'Authors' sections.
- 按照不同学科浏览相关内容 (最全的多学科在线资源平台之一, 包含17个学科大类, 126个子学科) (Browse by subject (one of the most comprehensive multidisciplinary online resource platforms, containing 17 major subject categories and 126 sub-disciplines)) - Points to the 'Subjects' sidebar.

<https://onlinelibrary.wiley.com/>

# 内容发现与获取一查看期刊

Wiley Online Library

WILEY

Search



## Publications

1-20 of 2,756 publications

### Applied Filters

Clear all

Journals

### Filters

Alphanumeric

- 0-9  A  B  C  D  E
- F  G  H  I  J  K  L
- M  N  O  P  Q  R  S
- T  U  V  W  X  Y  Z

Subjects

- ACCOUNTING 35
- AGRICULTURE 112
- ANTHROPOLOGY 95



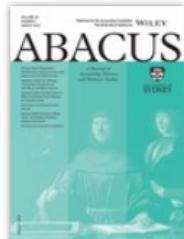
Journal Full Access

AAHE-ERIC/Higher Education Research Report

Currently known as:

ASHE Higher Education Report Full Access

Volume 3, 1974 - Volume 43, 2017



Journal Full Access

Abacus

Volume 1, 1965 - Volume 58, 2022



Journal Full Access

About Campus

Volume 1, 1996 - Volume 22, 2018

WILEY

'ROPRIETARY & CONFIDENTIAL

13

# 内容发现与获取一按学科查找

按照不同学科  
浏览相关内容  
(最全的多学  
科在线资源平  
台之一, 包含  
17个学科大类,  
126个子学科)

Subjects

- Agriculture, Aquaculture & Food Science
- Architecture & Planning
- Art & Applied
- Business, Economics, Finance & Accounting
- Chemistry
- Computer Science & Information Technology
- Earth, Space & Environmental Sciences
- Humanities
- Law & Criminology
- Life Sciences
- Mathematics & Statistics
- Medicine
- Nursing, Dentistry & Healthcare
- Physical Sciences & Engineering
- Psychology
- Social & Behavioral Sciences
- Veterinary Medicine



Physical Sciences & Engineering

- Astronomy
- Biomedical Engineering
- Civil Engineering & Construction
- Electrical & Electronics Engineering
- Energy
- Industrial Engineering

Materials Science

Mechanical Engineering

Nanotechnology

Physics

Polymer Science & Technology

Security Management

# 内容发现与获取一按照学科了解高影响力及最新研究进展情况

Wiley Online Library

Search 

SUBJECT  
**Materials Science**

**Topics**

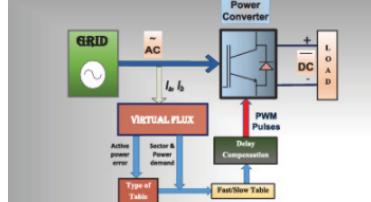
Analysis/Characterization of Nanosystems	Materials Characterization
Batteries & Fuel Cells	Materials Processing
Biomaterials	Materials Science Special Topics
Biopolymers	Metals & Alloys
Carbon Materials	Optical & Non-Linear Optical Materials
Ceramics	Optics & Photonics
Composites	Organic Electronics
Condensed Matter	Photonics & Lasers
Construction Materials	Polymer processing
Construction Materials	Polymer Characterization
Corrosion	Polymer Physics
Crystallography	Polymer Science & Technology General
Dental Technology & Materials Science	Polymer Synthesis
Electronic Materials	Polymer Special Topics
Electronic Materials	Porous Materials
Failure Fracture	Properties of Materials
General & Introductory Materials Science	Semiconductor Physics
Inorganic Electronics	Sensor Materials
Joining, Welding and Adhesion	Soft Matter
Magnetic Materials	Solid State Physics
Magnetism	Theory, Modeling & Simulation
Materials for Energy Systems	Thin Films, Surfaces & Interfaces

**Articles**

**Most Recent** **Most Cited**

**高被引文下章 (Most Cited)**  
**最新发表的文章 (Most Recent)**

An advanced virtual flux integrated multifold table-based direct power control with delay compensation for active front-end rectifiers  
Abinash Rath, Gopalakrishna Srungavarapu, Monalisa Pattnaik  
International Transactions on Electrical Energy Systems | First Published: 7 November 2021



Here, an advanced virtual flux technology is used to avoid the time differential operations. Different lookup tables are used as per the demand, which are designed based upon the normalized values of active and reactive power slopes. This work provides restitution for the unavoidable inaccuracy caused by this control delay in conventional DPC techniques.

[Abstract](#) | [Full text](#) | [PDF](#) | [References](#) | [Request permissions](#)

Reliability analysis of an active distribution network integrated with solar, wind and tidal energy sources

# 内容发现与获取一按照学科查看出版物

SUBJECT  
Materials Science

查看该学科下相关主题

Topics

Analysis/Characterization of Nanosystems	Materials Characterization
Batteries & Fuel Cells	Materials Processing
<b>Biomaterials</b>	Materials Science Special Topics
Biopolymers	Metals & Alloys
Carbon Materials	Optical & Non-Linear Optical Materials
Ceramics	Optics & Photonics
Composites	Organic Electronics
Condensed Matter	Photonics & Lasers
Construction Materials	Polymer processing
Construction Materials	Polymer Characterization
Corrosion	Polymer Physics
Crystallography	Polymer Science & Technology General
Dental Technology & Materials Science	Polymer Synthesis
Electronic Materials	Polymers Special Topics
Electronic Materials	Porous Materials
Failure Fracture	Properties of Materials
General & Introductory Materials Science	Semiconductor Physics
Inorganic Electronics	Sensor Materials
Joining, Welding and Adhesion	Soft Matter
Magnetic Materials	Solid State Physics
Magnetism	Theory, Modeling & Simulation
Materials for Energy Systems	Thin Films, Surfaces & Interfaces

7 results for "Biomaterials" anywhere

RSS

Publications (7)

Applied Filters Clear all X

Biomaterials X Journals X

Refine Search

Sorted by: Relevance

Filters Subjects ▲

- BIOMEDICAL ENGINEERING 7
- CHEMISTRY 3
- LIFE SCIENCES 3
- MATERIALS SCIENCE 5
- MEDICAL SCIENCE 2
- MORE (1) ▾

Published in ▲

- Advanced Biology 2
- Advanced Healthcare Materials 1
- Advanced NanoBiomed Research 1
- ChemNanoMat 1
- Peptide Science 1
- Small Methods 1
- LESS ▾

Author ▾

Journal ChemNanoMat  
Volume 1, 2015 - Volume 7, 2021

Journal Open Access Advanced NanoBiomed Research  
Volume 1, 2021 - Volume 1, 2021

Journal Advanced Healthcare Materials  
Volume 1, 2012 - Volume 10, 2021

Journal Small Methods  
Volume 1, 2017 - Volume 5, 2021

# 内容发现与获取一利用检索功查找所需内容1/4

**Wiley Online Library**

Login / Register

Accelerating research discovery to shape a better future  
Today's research, tomorrow's innovation

Search publications, articles, keywords, etc.  Advanced Search

一般检索和高级检索 Access COVID-19 research here

1,600+ Journals 250+ Reference Works 22,000+ Online Books



## Resources

### Researchers

- Register online
- Access options
- Find training and resources

### Librarians

- Manage your account
- View products and solutions
- Find training and support

### Societies

- Publish with Wiley
- Learn about trends
- Subscribe to news and resources

### Authors

- Submit a paper
- Track your article
- Learn about Open Access

# 内容发现与获取一利用检索功查找所需内容2/4

**ADVANCED SEARCH**      **CITATION SEARCH**

**限定检索字段出处**

Anywhere  
Title  
Author  
Keywords  
Abstract  
Author Affiliation  
Funding Agency

**限定期刊**

**限定出版时间**

**Advanced search**

Context      Term

Anywhere      Nano\* AND Cataly\*

Anywhere      Enter Search

Anywhere      Enter Search

Published in

Enter a journal, book, or reference work title

PUBLICATION DATE

All dates  
 Last      Month  
 Custom range      Month      Year      to      Month      Year

**Search**

**Search Tips**      **检索技巧**

You can use the Boolean operators AND (also + or &), OR and NOT (also -) within search fields. These operators must be entered in UPPERCASE to work.

If more than one term is entered, and no operators are specified, terms are searched using AND. To search for a phrase, put the terms in quotes. For example, *spinal cord* searches spinal AND cord while "spinal cord" finds this exact phrase.

**Wildcards**

Use a question mark (?) in a search term to represent a single character (*wom?n* finds women or woman). Use an asterisk (\*) to represent zero or more characters. For example, *plant\** finds all words with that root (plant, plants, & planting) while *an\*mia* finds variants with one or more letters (angmnia & anaemia). Wildcards CANNOT be used at the start of a search term (\*tension) or when searching for phrases in quotes ("tobacco smok\*").

**Author Search**

Author names may appear with full first names or just initials. Place author names in quotes to find a specific name and its variants. For example, "John Smith" finds articles by John Smith, John K

# 内容发现与获取一利用检索功查找所需内容3/4

**Wiley Online Library**

Nano\* AND Cataly\*  Login / Register

**检索结果数量** 311,772 results for "Nano\* AND Cataly\*" anywhere

**保存检索条件**  SAVE SEARCH |  RSS

**精简检索结果** Articles & Chapters (311,772) Publications (30) Collections (2,338) 按分类形式查看

**Filters**

Publication Type ▲

- Journals 276,746
- Books 27,796
- Reference works 7,230

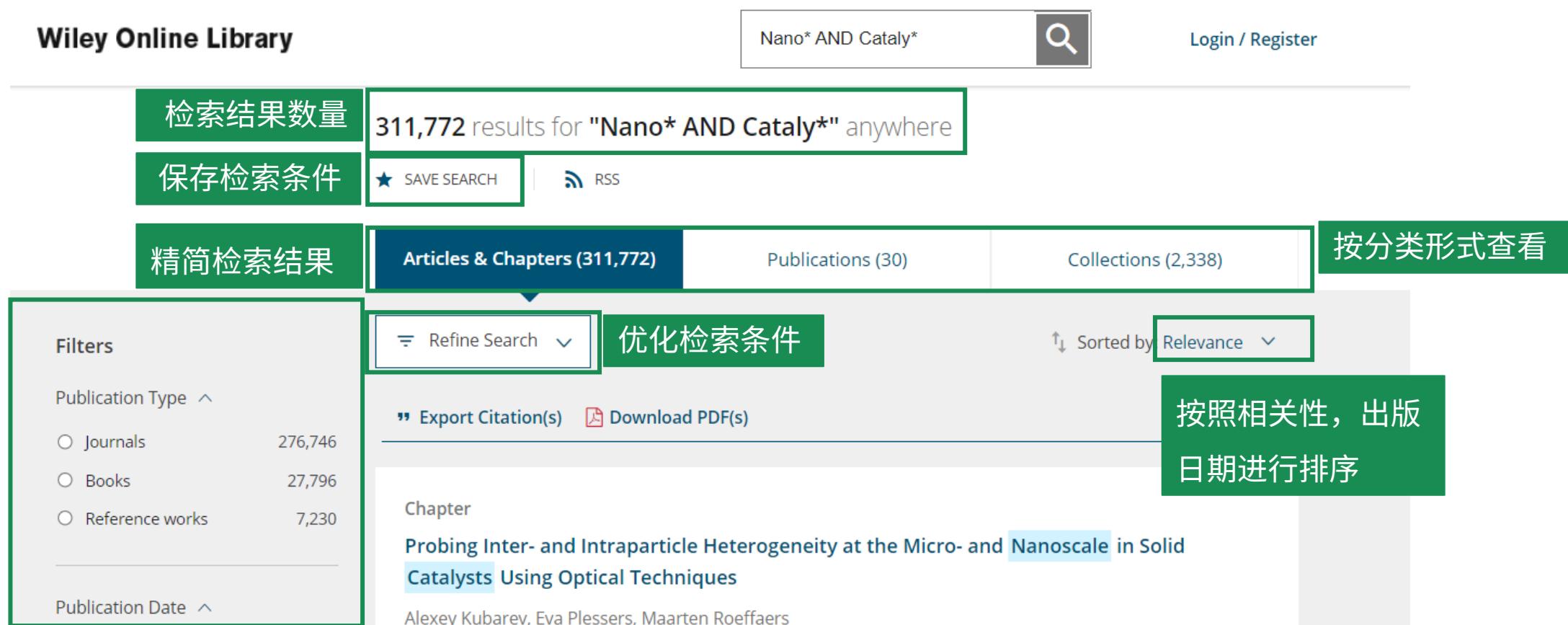
Publication Date ▲

**优化检索条件**  Refine Search  Export Citation(s)  Download PDF(s)

Sorted by Relevance

**按照相关性，出版日期进行排序**

Chapter  
Probing Inter- and Intraparticle Heterogeneity at the Micro- and **Nanoscale** in Solid Catalysts Using Optical Techniques  
Alexey Kubarev, Eva Plessers, Maarten Roeffaers



# 内容发现与获取一利用检索功查找所需内容4/4

Filters	出版类型	免费查阅开放获取内容	Published in ^	出版物
Publication Type ^		<input type="radio"/> Open Access Content 11,746	<input type="radio"/> Wiley Online Books 24,948	
<input type="radio"/> Journals 276,746			<input type="radio"/> Angewandte Chemie International Edition 13,225	
<input type="radio"/> Books 27,796			<input type="radio"/> European Journal of Inorganic Chemistry 11,489	
<input type="radio"/> Reference works 7,230			<input type="radio"/> ChemInform 10,834	
	出版日期	Subjects ^	<input type="radio"/> Angewandte Chemie 10,782	
Publication Date ^		<input type="radio"/> ACCOUNTING 14	MORE (92) ▼	
<input type="radio"/> Last Week 437		<input type="radio"/> AGRICULTURE 6,355		
<input type="radio"/> Last Month 1,943		<input type="radio"/> ANTHROPOLOGY 331		
<input type="radio"/> Last 3 Months 5,938		<input type="radio"/> AQUACULTURE, FISHERIES & FISH SCIENCE 1,854		
<input type="radio"/> Last 6 Months 11,511		<input type="radio"/> ARCHAEOLOGY 39		
<input type="radio"/> Last 2 Years 44,823		MORE (58) ▼	Author ^	作者
MORE (2) ▼			<input type="checkbox"/> Zhang, Wei 499	
			<input type="checkbox"/> Wang, Lei 459	
			<input type="checkbox"/> Wang, Wei 421	
			<input type="checkbox"/> Zhang, Lei 371	
			<input type="checkbox"/> Liu, Yang 343	
			MORE (20) ▼	
From: 1837	To: 2022	Go		

# 平台使用技巧—文章界面一键式查看/导出文章图表

## ADVANCED MATERIALS

Research Article | Open Access | CC BY

### Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits

Koki Taguchi, Takafumi Uemura , Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

First published: 21 September 2021 | <https://doi.org/10.1002/adma.202104446>

SECTIONS

PDF TOOLS SHARE

#### Abstract

Flexible electronics have gained considerable attention for application in wearable devices. Organic transistors are potential candidates to develop flexible integrated circuits (ICs). A primary technique for maximizing their reliability, gain, and operation speed is the modulation of charge-carrier behavior in the respective transistors fabricated on the same substrate. In this work, heterogeneous functional dielectric patterns (HFDP) of ultrathin polymer gate dielectrics of poly(( $\pm$ )endo,exo-bicyclo[2.2.1]hept-ene-2,3-dicarboxylic acid, diphenylester) (PNDPE) are introduced. The HFDP that are obtained via the photo-Fries rearrangement by ultraviolet radiation in the homogeneous PNDPE provide a functional area for charge-carrier modulation. This leads to programmable threshold voltage control over a wide range (-1.5 to +0.2 V) in the transistors with a high patterning resolution, at 2 V operational voltage. The transistors also exhibit high operational stability over 140 days and under the bias-stress duration of 1800 s. With the HFDP, the performance metrics of ICs, for example, the noise margin and gain of the zero- $V_{GS}$  load inverters and the oscillation frequency of ring oscillators are improved to 80%, 1200, and 2.5 kHz, respectively, which are the highest among the previously reported zero- $V_{GS}$ -based organic circuits. The HFDP can be applied to much complex and ultraflexible ICs.

WILEY



Early View

Online Version of Record  
before inclusion in an issue  
2104446

This article also appears in:  
Hot Topic: Flexible Electronics

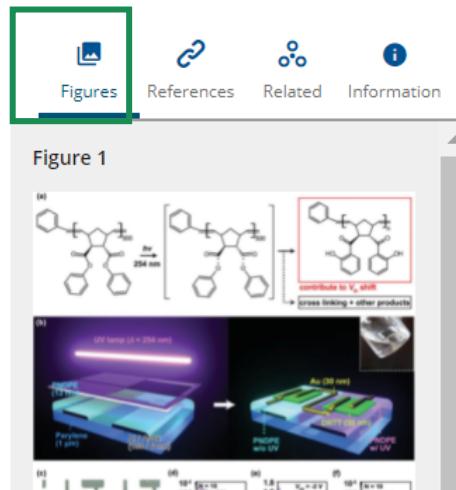
Advertisement

**WILEY**

We couldn't do it without you!

Impact Factor 5.734

**Submit now**



# 平台使用技巧一利用相关文献，深入挖掘研究背景和进展1/2

## ADVANCED MATERIALS

Progress Report |  Full Access

### Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction

Wei Zhu, Zheng Chen, Yuan Pan, Ruoyun Dai, Yue Wu, Zhongbin Zhuang, Dingsheng Wang, Qing Peng,  
Chen Chen✉, Yadong Li✉

查看被引情况，了解相关研究

First published: 20 August 2018 | <https://doi.org/10.1002/adma.201800426>

Citations: 134

 SECTIONS

 PDF

 TOOLS

 SHARE

### Abstract

Hollow nanomaterials have attracted a broad interest in multidisciplinary research due to their unique structure and preeminent properties. Owing to the high specific surface area, well-defined active site, delimited void space, and tunable mass transfer rate, hollow nanostructures can serve as excellent catalysts, supports, and reactors for a variety of catalytic applications, including photocatalysis, electrocatalysis, heterogeneous catalysis, homogeneous catalysis, etc. Based on state-of-the-art synthetic methods and characterization techniques, researchers focus on the purposeful functionalization of hollow nanomaterials for catalytic mechanism studies and intricate catalytic reactions. Herein, an overview of current reports with respect to the catalysis of functionalized hollow nanomaterials is given, and they are classified into five types of versatile

# 平台使用技巧一利用相关文献，深入挖掘研究背景和进展2/2

Progress Report |  Full Access

## Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction

Wei Zhu, Zheng Chen, Yuan Pan, Ruoyun Dai, Yue Wu, Zhongbin Zhuang, Dingsheng Wang, Qing Peng, Chen Chen✉, Yadong Li✉

First published: 20 August 2018 | <https://doi.org/10.1002/adma.201800426> | Citations: 134

SECTIONS

 PDF  TOOLS  SHARE

### Abstract

Hollow nanomaterials have attracted a broad interest in multidisciplinary research due to their unique structure and preeminent properties. Owing to the high specific surface area, well-defined active site, delimited void space, and tunable mass transfer rate, hollow nanostructures can serve as excellent catalysts, supports, and reactors for a variety of catalytic applications, including photocatalysis, electrocatalysis, heterogeneous catalysis, homogeneous catalysis, etc. Based on state-of-the-art synthetic methods and characterization techniques, researchers focus on the purposeful functionalization of hollow nanomaterials for catalytic mechanism studies and intricate catalytic reactions. Herein, an overview of current reports with respect to the catalysis of functionalized hollow nanomaterials is given, and they are classified into five types of versatile strategies with a top-down perspective, including textual and composition modification, encapsulation, multishelled construction, anchored single atomic site, and surface molecular engineering. In the detailed case studies, the design and construction of hierarchical hollow catalysts are discussed. Moreover, since hollow structure offers more than two types of spatial-delimited sites, complicated catalytic reactions are elaborated. In summary, functionalized hollow nanomaterials provide an ideal model for the rational design and development of efficient catalysts.



1800426

Advertisement

 WILEY  
**Global Challenges**  
Global Health -  
An Ongoing Challenge  
A Collection of  
selected articles  
[Read now](#)

 Figures  References  Related  Information

2. H. C. Zeng, *J. Mater. Chem.* 2006, 16, 649.

[Crossref](#) | [CAS](#) | [Web of Science®](#) | [Google Scholar](#)

3. X. Pan, Z. Fan, W. Chen, Y. Ding, H. Luo, X. Bao, *Nat. Mater.* 2007, 6, 507.

[Crossref](#) | [CAS](#) | [PubMed](#) | [Web of Science®](#) | [Google Scholar](#)

查看参考文献：了解更多相关研究

查看推荐文章：了解更多相关研究

# 平台使用技巧一文章发表后，通过社交媒体提升影响力 1/3

## ADVANCED MATERIALS

Research Article | Open Access |

### Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits

Koki Taguchi, Takafumi Uemura , Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

First published: 21 September 2021 | <https://doi.org/10.1002/adma.202104446>

SECTIONS



TOOLS

SHARE

#### Abstract

分享全文

Flexible electronics have gained considerable attention for app devices. Organic transistors are potential candidates to develop circuits (ICs). A primary technique for maximizing their reliability speed is the modulation of charge-carrier behavior in the respective fabricated on the same substrate. In this work, heterogeneous patterns (HFDP) of ultrathin polymer gate dielectrics of poly( $\pm$ )bicyclo[2.2.1]hept-ene-2,3-dicarboxylic acid, diphenylester) (PNDPE) that are obtained via the photo-Fries rearrangement by the homogeneous PNDPE provide a functional area for charge-carrier to programmable threshold voltage control over a wide range transistors with a high patterning resolution, at 2 V operational also exhibit high operational stability over 140 days and under 1800 s. With the HFDP, the performance metrics of ICs, for example, the noise margin and gain of the zero- $V_{GS}$  load inverters and the oscillation frequency of ring oscillators are improved to 80%, 1200, and 2.5 kHz, respectively, which are the highest among the previously reported zero- $V_{GS}$ -based organic circuits. The HFDP can be applied to much complex and ultraflexible ICs.

GIVE ACCESS  
 Share Full Text Access

SHARE A LINK

Facebook

Twitter

LinkedIn

Reddit

Wechat



Early View

Online Version of Record  
before inclusion in an issue  
2104446

This article also appears in:  
Hot Topic: Flexible Electronics

Advertisement

**WILEY**

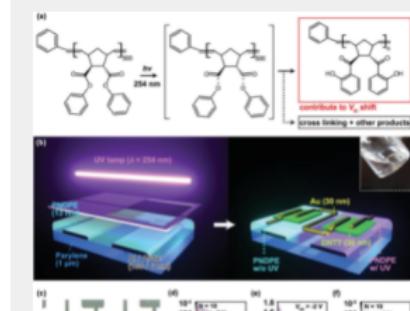
We couldn't do it without you!

Impact Factor 5.734

**Submit now**

Figures   References   Related   Information

Figure 1



# 平台使用技巧—文章发表后，通过社交媒体提升影响力 2/3

The screenshot shows a dark-themed Wiley Online Library page for the journal **ADVANCED MATERIALS**. The main article title is **Heterogeneous Function Modulation in Ultraflexible Electronics**, authored by Koki Taguchi, Takafumi Uemura, Naoaki Nakamura, Barbara Stadlober, Tsuyoshi Sekitani, and others, first published on 21 September 2021.

A green callout box highlights the text: **可以通过短连接对全文进行分享（使用网页打开）** (You can share the full-text article via a short link (open in web browser)).

A modal window titled **Share full-text access** contains instructions to review the **Terms and Conditions of Use** and accept them by checking a box. The checkbox is checked, and the text reads: **I have read and accept the Wiley Online Library Terms and Conditions of Use**.

The modal also features a **Shareable Link** section with a URL input field containing <https://onlinelibrary.wiley.com/share/MNGJYNT...> and a **Copy URL** button.

At the bottom of the page, there are links for **Figures**, **References**, and **Related** content.

# 平台使用技巧一文章发表后，通过社交媒体推广研究成果 3/3

## ADVANCED MATERIALS

Research Article | Open Access |

### Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits

Koki Taguchi, Takafumi Uemura , Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

First published: 21 September 2021 | <https://doi.org/10.1002/adma.202104446>

SECTIONS

PDF TOOLS

SHARE

#### Abstract

Flexible electronics have gained considerable attention for applications in various devices. Organic transistors are potential candidates to develop complex electronic circuits (ICs). A primary technique for maximizing their reliability and performance is the modulation of charge-carrier behavior in the respective components fabricated on the same substrate. In this work, heterogeneous functional dielectric patterns (HFDP) of ultrathin polymer gate dielectrics of poly( $\pm$ -bicyclo[2.2.1]hept-ene-2,3-dicarboxylic acid, diphenylester) (PNDPE) and poly( $\pm$ -bicyclo[2.2.1]hept-ene-2,3-dicarboxylic acid, diphenylester) (PNDPE) HFDP that are obtained via the same photolithographic treatment by using a single mask provide a way to modulate charge-carrier mobility to programmable threshold voltage ranges. The resulting transistors with a high pattern density also exhibit high operational stability over 140 days and under 1800 s. With the HFDP, the performance metrics of ICs, for example, the noise margin and gain of the zero- $V_{GS}$  load inverters and the oscillation frequency of ring oscillators are improved to 80%, 1200, and 2.5 kHz, respectively, which are the highest among the previously reported zero- $V_{GS}$ -based organic circuits. The HFDP can be applied to much complex and ultraflexible ICs.

分享链接到  
社交媒体



Early View

Online Version of Record  
before inclusion in an issue  
2104446

This article also appears in:  
Hot Topic: Flexible Electronics

Advertisement

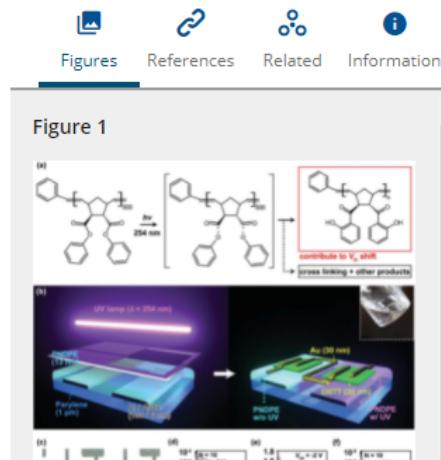
**WILEY**

We couldn't do it without you!

Impact Factor 5.734

**Submit now**

2021 [M]acromolecular Rapid Communications



# 平台使用技巧—导出引文 1/2

# ADVANCED MATERIALS

Research Article | Open Access | CC BY

## Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits

Koki Taguchi, Takafumi Uemura Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

First published: 21 September 2021 | <https://doi.org/10.1002/adma.202104446>

SECTIONS PDF TOOLS SHARE

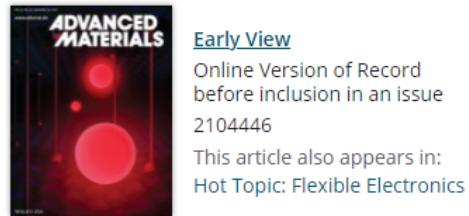
---

### Abstract

Flexible electronics have gained considerable attention for various applications as functional devices. Organic transistors are potential candidates for the realization of ultraflexible integrated circuits (ICs). A primary technique for improving the performance of organic transistors is the modulation of charge-carrier mobility by using functional dielectric patterns (HFDP) of ultrathin polymer films. In this work, we demonstrate HFDP that are obtained via the photolithography of a poly(ether sulfone) film. The HFDP provide a functional area for charge-carrier modulation. The HFDP enable programmable threshold voltage control over a wide range of voltages. The HFDP transistors with a high patterning resolution, at 2 V operating voltage, also exhibit high operational stability over 140 days and under the bias-stress duration of 1800 s. With the HFDP, the performance metrics of ICs, for example, the noise margin and gain of the zero- $V_{GS}$  load inverters and the oscillation frequency of ring oscillators are improved to 80%, 1200, and 2.5 kHz, respectively, which are the highest among the previously reported zero- $V_{GS}$ -based organic circuits. The HFDP can be applied to much complex and ultraflexible ICs.

获取版权  
导出引文  
添加收藏  
被引提醒

- Request permission
- Export citation
- Add to favorites
- Track citation



[Early View](#)

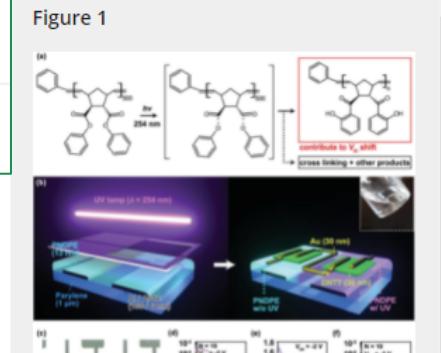
Online Version of Record  
before inclusion in an issue  
2104446

This article also appears in:  
Hot Topic: Flexible Electronics

Advertisemen

The image features the Wiley logo at the top left. Below it is a large green button with the text "Submit now". To the right is a thumbnail of a journal cover for "Macromolecular Rapid Communications" from 2012, showing a blue and orange abstract design.

 Figures  References  Related  Information



# 平台使用技巧一导出引文 2/2

## Citation

### Cite the following article

Research Article  
 Open Access

#### Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits

Koki Taguchi, Takafumi Uemura, Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

### How to cite

Taguchi, K., Uemura, T., Namba, N., Petritz, A., Araki, T., Sugiyama, M., Stadlober, B., Sekitani, T., Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits. *Adv. Mater.* 2021, 33, 2104446. <https://doi.org/10.1002/adma.202104446>

### Download Citation

If you have the appropriate software installed, you can download article citation data to the citation manager of your choice. Simply select your manager software from the list below and click on download.

#### Format

- Plain Text
- RIS (ProCite, Reference Manager)
- EndNote
- BibTex
- Medlars
- RefWorks

### Tips on downloading citation

This feature enables you to download the bibliographic information (also called citation data, header data, or metadata) for the articles on our site.

#### Citation manager file format

Use the radio buttons to choose how to format the bibliographic data you're harvesting. Several citation manager formats are available, including EndNote and BibTex.

#### Type of import

If you have citation management software installed on your computer your Web browser should be able to import metadata directly into your reference database.

Direct Import: When the Direct Import option is selected (the default state), a dialogue box will give you the option to Save or Open the downloaded citation data. Choosing Open will either launch your citation manager or give you a choice of applications with which to use the metadata. The Save option saves the file locally for later use.

Indirect Import: When the Indirect Import option is selected, the metadata is displayed and may be copied and pasted as needed.

支持6种参考文献管理工具  
支持直接引用/间接引用

# 研究进展追踪—注册账户，利用订阅功能提升科研效率 1/7

The image shows the Wiley Online Library website. On the left, the homepage features a dark background with a search bar containing the placeholder "Search publications, articles, keywords, etc.". Below the search bar is a button labeled "Access COVID-19 research here". At the bottom of the homepage, there are three statistics: "1,600+ Journals", "250+ Reference Works", and "22,000+ Online Books". On the right, a modal window titled "Wiley Online Library" is displayed, showing a login form with fields for "Email or Customer ID" and "Password", and buttons for "Forgot password?", "Log In", "NEW USER >", and "INSTITUTIONAL LOGIN >".

**Wiley Online Library**

Accelerating research discovery to shape a better future  
Today's research, tomorrow's impact

Search publications, articles, keywords, etc.

Access COVID-19 research here

1,600+ Journals    250+ Reference Works    22,000+ Online Books

注册个人账户（与机构无关） **Login / Register**

Wiley Online Library X

Log in to Wiley Online Library

Email or Customer ID

Enter your email

Password

Enter your password

Forgot password?

**Log In**

新用户注册

NEW USER >

INSTITUTIONAL LOGIN >

# 研究进展追踪—注册账户，利用订阅功能提升科研效率 2/7

## Register

Set and manage content and citation alerts, affiliate with your institution to access your institution's licensed content, save searches and articles, and manage personal subscriptions.

With your Wiley ID, you can access and manage your account on Wiley Online Library and Wiley Author Services.

填写邮箱及简单  
信息并激活

### Login information

Email or Customer ID\*

ex. user@institution.edu

Password\*

Type your password

Retype email\*

ex. user@institution.edu

Confirm password\*

Re-type your password

A one-time confirmation email will be sent to this address. Your email address will serve as your login name.

Must be at least 10 characters long, and contain at least three of following:  
Lowercase letter (a-z) | Uppercase letter (A-Z) | Number (0-9) | Special Character

### Personal profile

First Name\*

Country/Location\*

SELECT YOUR COUNTRY OR LOCATION

Last Name\*

Area of interest\*

SELECT YOUR AREA OF INTEREST

# 研究进展追踪—保存检索式 3/7

Wiley Online Library

Nano\* AND Cataly\*



Login / Register

311,772 results for "Nano\* AND Cataly\*" anywhere

保存检索条件

SAVE SEARCH

RSS

Articles & Chapters (311,772)

Publications (30)

Collections (2,338)

Filters

Refine Search ▾

↑↓ Sorted by: Relevance ▾

Publication Type ▾

- Journals 276,746
- Books 27,796
- Reference works 7,230

Export Citation(s) Download PDF(s)

Publication Date ▾

- Last Week 437
- Last Month 1,943
- Last 3 Months 5,938

Chapter Full Access

Probing Inter- and Intraparticle Heterogeneity at the Micro- and Nanoscale in Solid Catalysts Using Optical Techniques

Alexey Kubarev, Eva Plessers, Maarten Roeffaers

Nanotechnology in Catalysis: Applications in the Chemical Industry, Energy Development, and Environment Protection

First published: 23 June 2017

WILEY

PROPRIETARY & CONFIDENTIAL

31

# 研究进展追踪—订阅期刊 4/7

# ADVANCED MATERIALS

Editor-in-Chief: Jos Lenders, Deputy Editors: James Cook, Duoduo Liang, Babak Mostaghaci, Ekaterina Perets, Lu Shi,  
Consulting Editor: Esther Levy  
Online ISSN: 1521-4095  
© Wiley-VCH GmbH, Weinheim

HOME | ABOUT | CONTRIBUTE | BROWSE | SPECIAL FEATURES

LATEST ISSUE >  
Volume 34, Issue 15  
April 14, 2022

On the Cover

4D Bioprinting  
For bioprinting of 4D living tissues, in article number 2109394, Eben Alsborg and co-workers devise a cell-laden bioink featuring high-resolution printing, physiological-trigger-enabled shape morphing, and long-term cell viability and function. With this system, they demonstrate that the printed cell-rich bioconstructs can exert multidirectional reshaping in a controlled manner and transform and develop into tissues with sophisticated structures. The system is anticipated to advance bioprinting to a horizon that enables 4D biomimetic tissue engineering.

Submit an Article | Browse free sample issue | Get content alerts | 订阅该刊 | Subscribe to this journal

Advertisement

WILEY  
Publish your latest nano-biomedicine findings in a dedicated special issue

CLINICAL AND TRANSLATIONAL DISCOVERY

# 研究进展追踪—订阅单篇文章 5/7

## ADVANCED MATERIALS

Progress Report | Full Access

### Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction

Wei Zhu, Zheng Chen, Yuan Pan, Ruoyun Dai, Yue Wu, Zhongbin Zhuang, Dingsheng Wang, Qing Peng, Chen Chen✉, Yadong Li✉

First published: 20 August 2018 | <https://doi.org/10.1002/adma.201800426> | Citations: 134

SECTIONS



PDF



TOOLS



SHARE

#### Abstract

Hollow nanomaterials have attracted a broad interest due to their unique structure and preeminent properties. Their well-defined active site, delimited void space, and large surface area, make hollow nanostructures can serve as excellent catalysts for a variety of catalytic applications, including photocatalysis, homogeneous catalysis, etc. Based on characterization techniques, researchers focus on the purposeful functionalization of hollow nanomaterials for catalytic mechanism studies and intricate catalytic reactions. Herein, an overview of current reports with respect to the catalysis of functionalized

Request permission

Export citation

Add to favorites

Track citation

跟踪文章  
被引情况

# 研究进展追踪—管理订阅 6/7

## My account

更改接收邮箱及登录密码

管理内容提醒

对心仪文章收藏

检索条件保存与运行

Personal information

Address

Subscriptions & Purchases

Subscription access

Free access code

Manage alerts

Favorites

Saved Searches

### NEW CONTENT ALERTS

### CITATION ALERTS

You can sign up to receive e-mail alerts containing the newly published content by going to any journal page and clicking the "Get Content Alerts" button. For journals publishing Accepted and Early View articles, these will be included in your e-mail alerts and you can choose the frequency of those alerts below.

#### Frequency

DAILY  UPDATE

NEVER

DAILY

WEEKLY

MONTHLY

alerts for the following publications:

SELECT ALL

Wiley Online Library

Advanced Materials

出版物更新提醒  
文章被引提醒

UNSUBSCRIBE FROM ALERTS

# 研究进展追踪—邮件查收更新内容 7/7

电脑客户端 | 升级VIP | 升级服务 | 设置 | 帮助 | 退出

支持邮件全文搜索

首页 通讯录 应用中心 收件箱

收信 写信

删除 举报 标记为 移动到 更多 刷新

1/110

收件箱 (1773)

有 1773 封未读 全部设为已读

红旗邮件 待办邮件 智能标签 星标联系人邮件 草稿箱 已发送 订阅邮件 (5) 其他3个文件夹 邮件标签 邮箱中心 文件中心 邮箱附件

Wiley Digital Archives Integrating hundreds of years of historical evidence into everyday research Available Now! Explore Our Library!

日期	发件人	主题	时间
15:40	Angewandte Che...	Accepted Articles Alert: Angewandte Chemie	
15:13	Wiley Online Libr...	Wiley Online Library 302 new matches for 123	
15:13	Wiley Online Libr...	Wiley Online Library 302 new matches for Chemistry	
昨日 (1)	Wiley Online Libr...	Wiley Online Library Article Event Alert (doi:10.1002/anie.200702505)	昨日
更早 (16)	Angewandte Che...	Accepted Articles Alert: Angewandte Chemie	1月19日
1月19日	Wiley Online Libr...	Wiley Online Library 930 new matches for 123	
1月19日	Wiley Online Libr...	Wiley Online Library 930 new matches for Chemistry	
1月18日	Journal of Geoph...	Early View Alert: Journal of Geophysical Research: Oceans	
1月18日	Applied Stochast...	Early View Alert: Applied Stochastic Models in Business and Industry	
1月18日	Wiley Online Libr...	Wiley Online Library Article Event Alert (doi:10.1002/anie.200702505)	
1月18日	Angewandte Che...	Early View Alert: Angewandte Chemie	

# 提升文献获取效率—检索结果的批量下载 1/2

35,871 results for "MOFs" anywhere

★ SAVE SEARCH

RSS

Articles & Chapters (35,871)

Refine Search

Export Citation(s) Download PDF(s) 1

Review Full Access

MOFs-Derived Carbon-Based Metal Catalysts for Energy-Related Electrocatalysis

Tongzhou Wang, Xuejie Cao, Lifang Jiao

Small | Volume 17, Issue 22

First published: 18 January 2021

Collections: Emerging Crystalline Porous Materials

Abstract

Download PDFs

2

勾选需要批量下载的文章或章节  
每次最多可选择20篇

Full Access MOFs-Derived Carbon-Based Metal Catalysts for Energy-Related Electrocatalysis

Full Access Atypical Hybrid Metal–Organic Frameworks (MOFs): A Combinative Process for Growth, Etching, and Structure Transformation

Full Access Atypical Hybrid Metal–Organic Frameworks (MOFs): A Combinative Process for MOF-on-MOF Growth, Etching, and Structure Transformation

Open Access Evaluation of the BET Theory for the Characterization of Meso and Microporous MOFs

Full Access “Armor-Plating” Enzymes with Metal–Organic Frameworks (MOFs)

Full Access Metals@MOFs – Loading MOFs with Metal Nanoparticles for Hybrid Functions

Full Access Engineered MOFs and Enzymes for the Synthesis of Active Pharmaceutical Ingredients

Full Access Applications of MOFs and Their Composite Materials in Light-Driven Redox Reactions

Full Access Strategies for Improving the Performance and Application of MOFs Photocatalysts

Full Access High-Quality Carbon Nanotubes and Graphene Produced from MOFs for Supercapacitor Application

Full Access Quantum Mechanical Calculations for Biomass Valorization over Metal–Organic Frameworks (MOFs)

Full Access An In Situ One-Pot Synthetic Approach towards Multivariate Zirconium MOFs

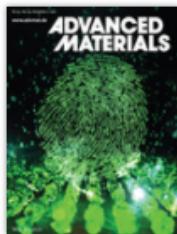
Full Access Synthesis and Characterization of Ultrapure HKUST-1 MOFs as Reusable Catalysts for the Green Synthesis of Tetrazole Derivatives

Cancel 5 of 20 articles/chapters

3 以压缩包形式下载到本地 Download (.zip)

# 提升文献获取效率—期刊同期中的多篇文章批量下载 2/2

## ADVANCED MATERIALS



Volume 33, Issue 44

November 2, 2021

< Previous Issue

GO TO SECTION

Export Citation(s)

Download PDF(s)

1

### Cover Picture

Free Access

Chaotic Organic Crystal Phosphorescent Patterns for Physical Unclonable Functions  
(*Adv. Mater.* 44/2021)

Healin Im, Jinsik Yoon, Jinho Choi, Jinsang Kim, Seungho Baek, Dong Hyuk Park, Wook Park, Sunkook Kim

WILEY

### Download PDFs

This issue contains a large number of articles. Please select up to 20 items for download.

#### Cover Picture

- Chaotic Organic Crystal Phosphorescent Patterns for Physical Unclonable Functions (*Adv. Mater.* 44/2021)

#### Inside Front Cover

- Nature-Inspired Circular-Economy Recycling for Proteins: Proof of Concept (*Adv. Mater.* 44/2021)

#### Inside Back Cover

- Synergistic Integration of Chemo-Resistive and SERS Sensing for Label-Free Multiplex Gas Detection (*Adv. Mater.* 44/2021)

#### Back Cover

- Engineering d-p Orbital Hybridization in Single-Atom Metal-Embedded Three-Dimensional Electrodes for Li-S Batteries (*Adv. Mater.* 44/2021)

#### Masthead

- Masthead: (*Adv. Mater.* 44/2021)

#### Contents

- Contents: (*Adv. Mater.* 44/2021)

#### Reviews

- Structure, Properties and Applications of Two-Dimensional Hexagonal Boron Nitride

- Bioinspired Underwater Adhesives

#### Research Articles

- Chaotic Organic Crystal Phosphorescent Patterns for Physical Unclonable Functions

勾选需要批量下载的文章，  
每次最多可选择20篇

Cancel

4 of 48 article

Download (.zip)

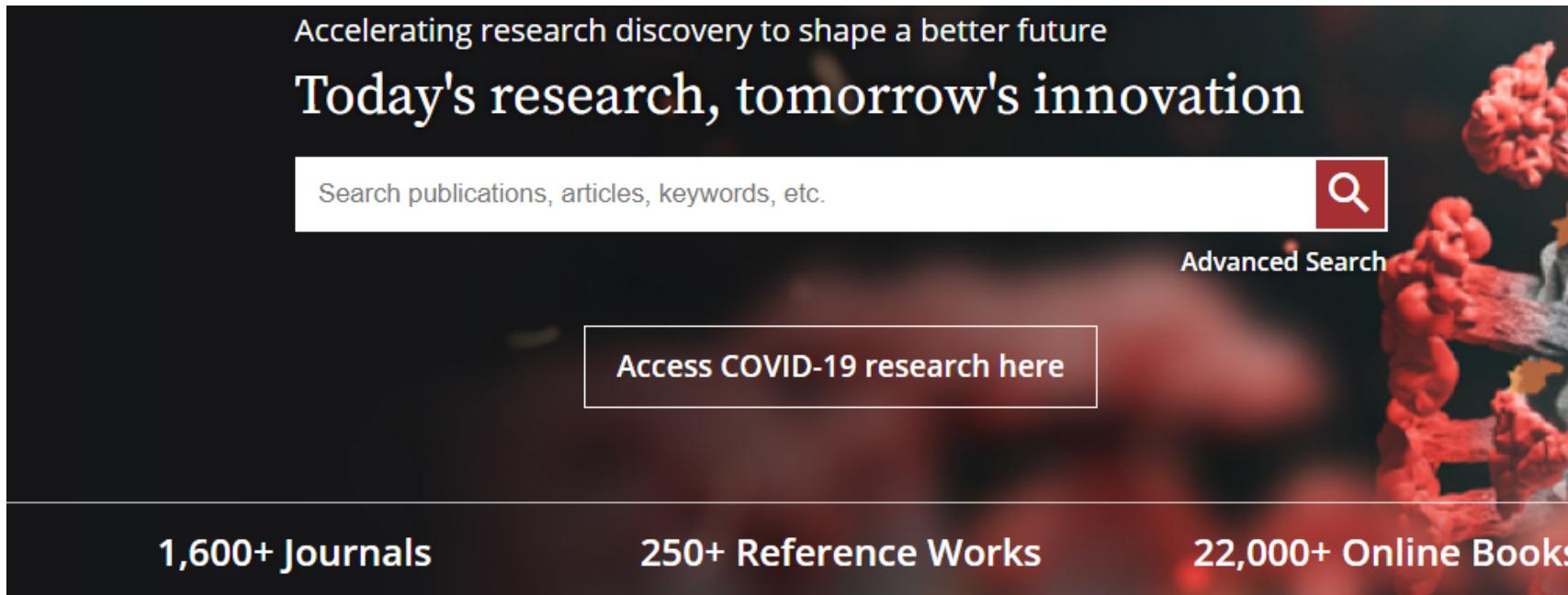
3

以压缩包形式下载到本地

# 更多资源的获取

- 指南、视频和更多信息欢迎访问**Training Hub**。

<https://www.wiley.com/customer-success/wiley-online-library-training-hub>



## Resources

### Researchers

Register online

Access options

[Find training and resources](#)

### Librarians

Manage your account

View products and solutions

Find training and support

### Societies

Publish with Wiley

Learn about trends

Subscribe to news and resources

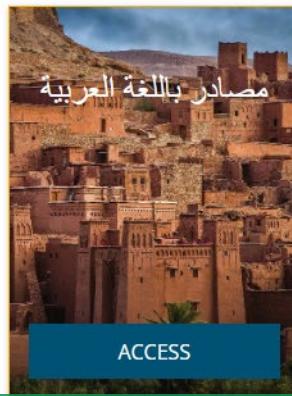
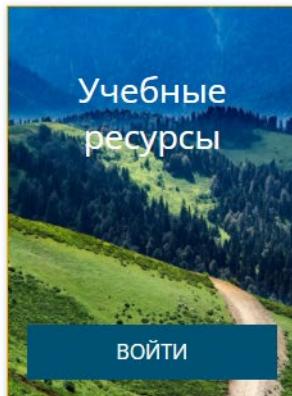
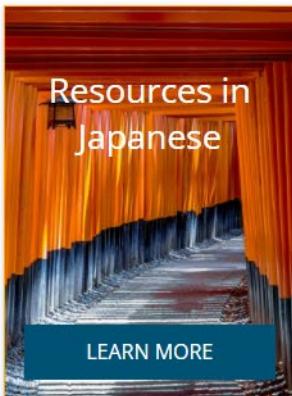
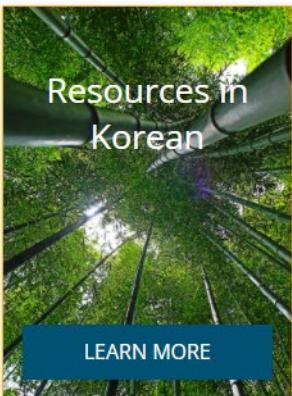
### Authors

Submit a paper

Track your article

Learn about Open Access

# 多语言形式资源

[HOME](#)[TRAINING HUB RESOURCES](#)[WEBINARS](#)[ABOUT US](#)[CONTACT US](#)**Featured Content**[HOME](#)[TRAINING HUB RESOURCES](#)[WEBINARS](#)[ABOUT US](#)[CONTACT US](#)

## 欢迎来到WILEY ONLINE LIBRARY中文培训网站！

在这里，您可以快速获取Wiley Online Library平台使用手册，培训视频及在线讲座等信息。



<https://www.wiley.com/customer-success/wiley-online-library-translated-resources>

**WILEY****PROPRIETARY & CONFIDENTIAL****39**

# 论文发表准备与流程

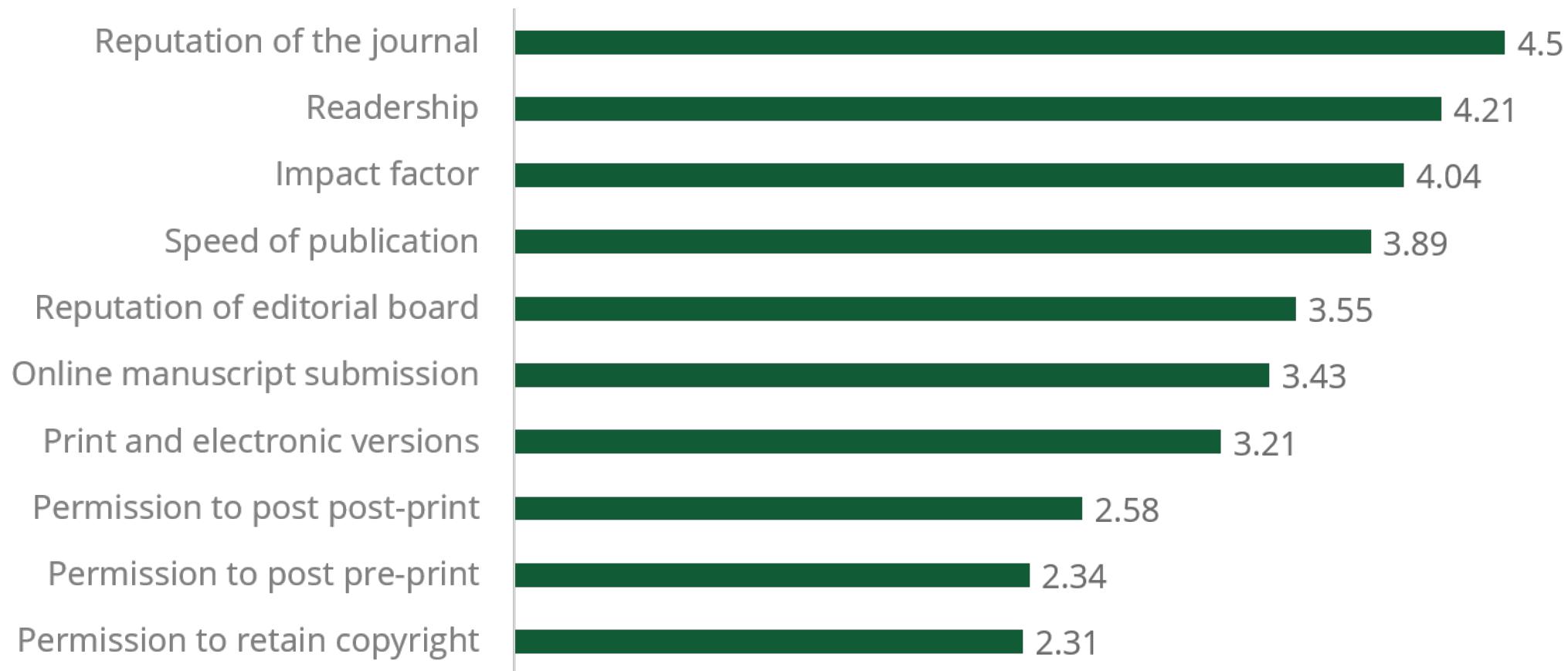
## Guide to Publishing



# 投稿定位与选刊

## Survey: Reasons for choosing last journal (n=5,513)

Averages, where 5 = Very important, 1 = Not at all important



Ian Rowlands and Dave Nicholas. New Journal Publishing Models: An international survey of Senior Researchers. A CIBER Report for the Publishers Association and International Association of STM Publishers. 2005

# 选择拟投期刊的方法

- 在线检索：数据库平台检索，检索相关领域的文章的出版物来源。
- 同行交流：与同行、实验室伙伴、导师或合作者交流沟通。
- 参考文献：相关研究的文章所属出版物来源。
- 借助工具：WOL免费期刊推荐工具

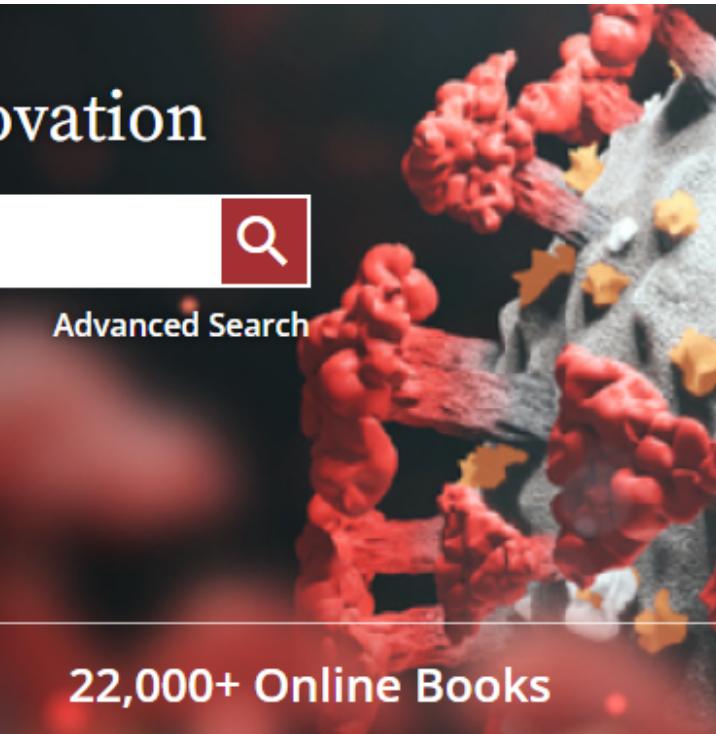
# 选投Wiley期刊—WOL免费期刊推荐工具

Accelerating research discovery to shape a better future  
Today's research, tomorrow's innovation

Search publications, articles, keywords, etc.  Advanced Search

Access COVID-19 research here

1,600+ Journals    250+ Reference Works    22,000+ Online Books



## Resources

### Researchers

- Register online
- Access options
- Find training and resources

### Librarians

- Manage your account
- View products and solutions
- Find training and support

### Societies

- Publish with Wiley
- Learn about trends
- Subscribe to news and resources

### Authors

- Submit a paper
- Track your article
- Learn about Open Access

# 选投Wiley期刊—WOL免费期刊推荐工具

▼ Author Resources

▼ Journal Authors

➤ Find a Journal

➤ Prepare

➤ Submission & Peer Review

➤ Licensing

➤ Open Access

➤ Publication

➤ Promotion

## Journal Authors

Your research is driving a brighter future by providing answers to the challenges of today. Publishing should be rewarding not frustrating. Only the best work is accepted by our journals, but we make everything else easy. Click into the publication journey so we can help you along.

### Find a Journal

- [Find the right journal for your research](#)
- [Crosscheck OA funder mandate compliance](#)

### Prepare

- Let us help you prepare your article (author guidelines for all

# 选投Wiley期刊—WOL免费期刊推荐工具

Find Journal

Prepare

Submission &  
Peer Review

Licensing

Open Access

Publication

Promotion

## Find the right journal to publish your research

Use one of the options below to find the perfect journal for your article.

### Try our Journal Finder (Beta)

Enter your paper's title and abstract, and our matching engine will suggest relevant journals for you to consider, based on your manuscript details.

# 选投Wiley期刊—WOL免费期刊推荐工具

Find Journal      Prepare      Submission & Peer Review      Licensing      Open Access      Publication      Promotion

## Find the right journal to publish your research

Use on

FIND MATCHING JOURNALS       FIND JOURNAL BY TITLE

Try it now

Enter your manuscript information • Both fields are required

Manuscript title

Manuscript abstract

WILEY 0 of 3000 characters      Please continue to enter more info for better results      FIND

# 论文发表准备与流程一期刊信息（影响因子与排名）

**Wiley Online Library**

Search 

Login / Register

Advertisement

**WILEY** Stay the Course Grants Could \$500 help one of your at-risk students stay on course? Nominate a student today 

INTERNATIONAL JOURNAL OF ENERGY RESEARCH

Edited By: Editor-in-Chief: Ibrahim Dincer  
Impact factor: 5.164  
2020 Journal Citation Reports (Clarivate Analytics): 43/114 (Energy & Fuels) 1/34 (Nuclear Science & Technology)  
Online ISSN: 1099-114X  
© John Wiley & Sons Ltd

LATEST ISSUE >  
Volume 46, Issue 3  
10 March 2022 

HOME | ABOUT | CONTRIBUTE | BROWSE |  

## About International Journal of Energy Research

The *International Journal of Energy Research* is dedicated to providing a multidisciplinary platform for the discussion of issues arising in energy research without the constraints imposed by aiming at a restricted audience. It aims to reach all researchers, scientists, engineers, technology developers, planners and policy makers working in the areas of energy management, production, conversion, conservation, systems, technologies and applications, and their impact on the environment and sustainable development.

[Read the journal's full aims and scope](#)

 Submit an Article

 Browse free sample issue

 Get content alerts

 Subscribe to this journal

# 论文发表准备与流程一期刊信息（投稿范畴）

**Wiley Online Library**

Search 

Login / Register

Advertisement

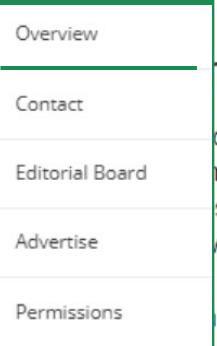
**WILEY** Stay the Course Grants Could \$500 help one of your at-risk students stay on course? Nominate a student today 

**INTERNATIONAL JOURNAL OF ENERGY RESEARCH**

Edited By: Editor-in-Chief: Ibrahim Dincer  
Impact factor: 5.164  
2020 Journal Citation Reports (Clarivate Analytics): 43/114 (Energy & Fuels) 1/34 (Nuclear Science & Technology)  
Online ISSN: 1099-114X  
© John Wiley & Sons Ltd

**LATEST ISSUE >**  
Volume 46, Issue 3  
10 March 2022 

**HOME** | **ABOUT** | **CONTRIBUTE** | **BROWSE**  

**About** Overview   
Contact   
Editorial Board   
Advertise   
Permissions   
[Read the journal's full aims and scope](#)

**Submit an Article**  
**Browse free sample issue**  
**Get content alerts**  
**Subscribe to this journal**

# 论文发表准备与流程一期刊信息（投稿范畴）

INTERNATIONAL JOURNAL OF  
**ENERGY RESEARCH**

HOME ABOUT ▾ CONTRIBUTE ▾ BROWSE ▾

Overview

### Aims and Scope

The *International Journal of Energy Research* (IJER) is dedicated to providing a multidisciplinary, unique platform for researchers, scientists, engineers, technology developers, planners, and policy makers to present their research results and findings in a compelling manner on novel energy systems and applications. IJER covers the entire spectrum of energy from production to conversion, conservation, management, systems, technologies, etc. We encourage papers submissions aiming at better efficiency, cost improvements, more effective resource use, improved design and analysis, reduced environmental impact, and hence leading to better sustainability.

IJER is concerned with the development and exploitation of both advanced traditional and new energy sources, systems, technologies and applications. Interdisciplinary subjects in the area of novel energy systems and applications are also encouraged. High-quality research papers are solicited in, but are not limited to, the following areas with innovative and novel contents:

- Biofuels and alternatives
- Carbon capturing and storage technologies
- Clean coal technologies
- Energy conversion, conservation and management
- Energy storage
- Energy systems
- Hybrid/combined/integrated energy systems for multi-generation
- Hydrogen energy and fuel cells
- Hydrogen production technologies
- Micro- and nano-energy systems and technologies
- Nuclear energy
- Renewable energies (e.g. geothermal, solar, wind, hydro, tidal, wave, biomass)
- Smart energy system

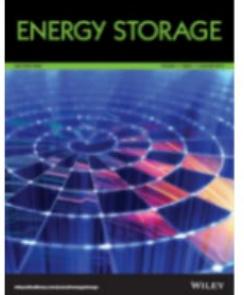
Submit an Article

Browse free sample issue

Get content alerts

Subscribe to this journal

Related Title: New for 2019



More from this journal

- More Energy Journals
- To Our Authors Newsletter
- Special Issues
- LaTeX class file

ASCE

# 论文发表准备与流程一期刊信息（发表速度）

RESEARCH ARTICLE | Full Access

## Aqua-processable carbon quantum dot-assisted resilient polymer binder for advanced lithium-sulfur batteries

Soochan Kim, Jungmin Kim, Minhyeong Kim, Misuk Cho, Youngkwan Lee✉

First published: 10 August 2021 | <https://doi.org/10.1002/er.7162>

Funding information: National Research Foundation of Korea, Grant/Award Numbers: NRF-2019R1A2C1003594, NRF-2020R1A6A3A13074137

SECTIONS

PDF TOOLS SHARE

### Summary

Lithium-sulfur batteries (LSBs) with outstanding theoretical capacity and environmentally friendly properties are regarded as next-generation energy storage devices. However, the shuttle effect of lithium polysulfide (LPS) limits the practical application of LSBs. Herein, we introduce an aqua-processable carbon quantum dot (CQD)-assisted resilient waterborne polyurethane (WPU) network binder for sulfur cathodes. WPU is a well-dispersed colloidal system with abundant polar groups that is suitable for regulating LPS shuttle effects. CQDs were prepared from WPU by hydrothermal treatment. The CQDs enabled facile electron/ion transport, enhanced the adsorption capability of LPS, and formed a robust network. Moreover, the chemical similarity between WPU and CQDs enabled the formation of a well-dispersed system, thereby affording optimal electrochemical performance. The WPU-CQD binder systems exhibited stable cycling performance at a high rate of 2C, with only 0.028% retention decay per cycle over 1000 cycles.

### 1 INTRODUCTION

Lithium-sulfur batteries (LSBs) are promising candidates for use in high-energy storage systems. LSBs offer the advantages of high specific energy density ( $\sim 2600 \text{ Wh kg}^{-1}$ ) and low price, owing to the abundance of sulfur in the earth's crust.<sup>1-3</sup> However, the commercialization of LSBs is inhibited by several issues, including the electrical insulating properties of sulfur and the discharged products ( $\text{Li}_2\text{S}/\text{Li}_2\text{S}_2$ ), volume expansion ( $\sim 80\%$ ) of sulfur during cycling, and shuttle effects triggered by the dissolution and diffusion of intermediate LPSs into the electrolyte.<sup>4,5</sup> To alleviate these issues, newly designed sulfur cathodes or components, which can enhance the structural stability of the electrode and regulate the shuttle effects caused by LPS, are essential for high-performance LSBs.

Generally, sulfur cathodes are fabricated by coating a slurry (active materials, conductive additives, and polymer binder) on a current collector. Although the content of the polymer



Figures References Related Information

#### Metrics

Am score 0

#### Details

© 2021 John Wiley & Sons Ltd.

Check for updates

#### Research Funding

National Research Foundation of Korea.  
Grant Numbers: NRF-2019R1A2C1003594,  
NRF-2020R1A6A3A13074137

#### Keywords

binder carbon quantum dot  
lithium-sulfur battery polyurethane  
resilient polymer network

#### Publication History

Issue Online:  
11 November 2021

Version of Record online:  
10 August 2021

Manuscript accepted:  
27 July 2021

Manuscript revised:  
27 July 2021

Manuscript received:  
31 May 2021

# 论文发表准备与流程—投稿要求

Wiley Online Library

WILEY

Search



Advertisement

WILEY

Stay the Course Grants  
Could \$500 help one of your at-risk students stay on course?

Nominate a student today



## INTERNATIONAL JOURNAL OF ENERGY RESEARCH

Edited By: Editor-in-Chief: Ibrahim Dincer

Impact factor: 5.164

2020 Journal Citation Reports (Clarivate Analytics): 43/114 (Energy)

Online ISSN: 1099-114X

© John Wiley & Sons Ltd

HOME

ABOUT

CONTRIBUTE

### About International Journal of Energy Research

The *International Journal of Energy Research* is a leading platform for the discussion of energy issues imposed by aiming at a sustainable future. It is intended for engineers, technology developers, managers, and researchers in management, production, conversion, conservation, and their impact on the environment and sustainability.

[Read the journal's full aims and scope](#)

Author Guidelines

Open Access

Submit a Manuscript

For Referees

### Author Guidelines

#### NIH Public Access Mandate

For those interested in the Wiley Blackwell policy on the NIH Public Access Mandate, [please visit our policy statement](#)

For additional tools visit [Author Services](#) - an enhanced suite of online tools for Wiley Online Library journal authors, featuring Article Tracking, E-mail Publication Alerts and Customized Research Tools.

- Wiley English Language Editing Service

### Author Guidelines

#### MANUSCRIPT SUBMISSION

The *International Journal of Energy Research* operates an online submission and peer review system that allows authors to submit articles online and track their progress via a web interface. Please read the remainder of these instructions to authors and then visit <http://mc.manuscriptcentral.com/er> and navigate to the *International Journal of Energy Research* online submission site. IMPORTANT: Please check whether you already have an account in the system before trying to create a new one. If you have reviewed or authored for the journal in the past year it is likely that you will have had an account created.

All papers must be submitted via the online system.

**File types.** Preferred formats for the text and tables of your manuscript are .doc, .rtf, .ppt, .xls. **LaTeX** files may be submitted provided that an .eps or .pdf file is provided in addition to the source files. Figures may be provided in .tiff or .eps format.

#### NEW MANUSCRIPT

**IMPORTANT:** The Aims and Scope of *International Journal of Energy Research* are described in detail in 'Overview' in the Journal Menu (see left). Please read it before submitting a new manuscript.

**Non-LaTeX users.** Upload your manuscript files. At this stage, figures and tables should be incorporated into the body of the main document and not uploaded as separate files.



### LATEST ISSUE >

Volume 46, Issue 3  
10 March 2022



[Submit an Article](#)

[Browse free sample issue](#)

[Get content alerts](#)

[Subscribe to this journal](#)

WILEY

PROPRIETARY & CONFIDENTIAL

51

Title: New for 2019

# 论文发表准备与流程—投稿入口

Wiley Online Library

WILEY

Search



Advertisement

WILEY

Stay the Course Grants  
Could \$500 help one of your at-risk students stay on course?

Nominate a student today



## INTERNATIONAL JOURNAL OF ENERGY RESEARCH

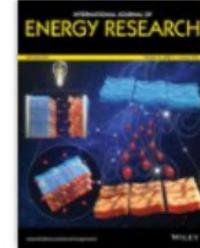
Edited By: Editor-in-Chief: Ibrahim Dincer

Impact factor: 5.164

2020 Journal Citation Reports (Clarivate Analytics): 43/114 (Energy & Fuels) 1/34 (Nuclear Science & Technology)

Online ISSN: 1099-114X

© John Wiley & Sons Ltd



LATEST ISSUE >

Volume 46, Issue 3  
10 March 2022

HOME | ABOUT ▾ | CONIBUTE ▾ | BROWSE ▾ | 

About International Journal of Energy Research

The *International Journal of Energy Research* is a multidisciplinary platform for the discussion of energy research. It is dedicated to providing a multidisciplinary forum for the discussion of energy research without the constraints imposed by aiming at a single discipline. It aims to reach all researchers, scientists, engineers, technology developers, managers, and policy makers working in the areas of energy management, production, conversion, conservation, systems, technologies and applications, and their impact on the environment and sustainable development.

[Read the journal's full aims and scope](#)

Author Guidelines

Open Access

Submit a Manuscript 

For Referees 

**Submit an Article**

**Browse free sample issue**

**Get content alerts**

**Subscribe to this journal**

WILEY

ESTARY & CONFIDENTIAL

52

Related Title: New for 2019

# 论文发表准备与流程—投稿系统入口

ScholarOne Manuscripts™

INTERNATIONAL JOURNAL OF  
**ENERGY RESEARCH**

Log In    Reset Password    Create An Account

**!** Please add this site to your pop-up blocker exception list

Blocking pop-ups on this site may prevent peer-review related e-mails from being sent.

[More information on disabling pop-up blockers](#)

 **Log In**

User ID [Create an Account](#)

Password [Reset Password](#)

**Log In**

**Log In With ORCID iD**

Welcome to the submission site for  
International Journal of Energy Research

To begin, log in with your user ID and password.

If you are unsure about whether or not you have an account, or have forgotten your password, go to the [Reset Password](#) screen.

**Free Format submission**

International Journal of Energy Research now offers free format submission for a fast and simple submission process. See our author guidelines [here](#).

**Resources**

- FAQs & User Guides ↗
- Instructions & Forms ↗
- Journal Home ↗
- Site Support ↗

# WILEY



## 畅享学术服务

---

作者与科研人员服务

Wiley科研苑

Wiley学术大讲堂

---

# 作者服务—助力您论文发表流程每一步



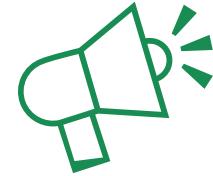
查找合适期刊发  
表您的研究



获得帮助来准备  
您的稿件



了解开放获取和  
开放研究



推广文章的方法

更多详情，请访问<https://authorservices.wiley.com/>

# 积极满足科研人员不同的学术需求

- 随着研究的深度和广度不断扩大，共享知识变得更加复杂

科研人员的需求：

- 科研人员希望自己的工作具有影响力
- 内容、科技和服务的提升可以让科研人员更便捷的分享自己的研究成果，并最终得到应用



Wiley能做的：

- 引导科研人员在学术研究旅程中交流成果
- 信息素养和科研能力提升
- 学术讲座、学术交流

# 积极举办在线出版讲座和学术会议，满足更多科研人员需求

2021年至今，共有超过**100万**研究人员  
参与Wiley出版讲座和在线学术会议。



WILEY

**Autism Research Webinar Series**  
孤独症研究系列讲座

**系列讲座时间**

- 2021年4月10日周六10:00-11:30 (北京时间)
- 2021年4月17日周六09:00-10:30 (北京时间)
- 2021年4月24日周六10:00-11:30 (北京时间)

**参与方式 (扫码注册观看)**

**主讲嘉宾**

**第一场:** 2021年4月10日上午10:00-11:30 (北京时间)

David G. Amaral  
Department of Psychiatry and Behavioral Sciences, The MIND Institute, UC Davis  
Topic: Autism Research - The Journal and the Need for Longitudinal Studies

Xiang Yu (于翔)  
北京大学生命科学学院、北京大学医学部孤独症研究中心  
Topic: 感觉过度敏感或淡漠与孤独症：动物模型的研究能帮助我们解析机制吗？

**第二场:** 2021年4月17日上午09:00-10:30 (北京时间)

Gena Konopka  
UT Southwestern Medical Center  
Topic: Cell-type Specific Transcriptional Networks Related to Autism

Xiu Xu (徐秀)  
复旦大学附属儿科医院  
Topic: 孤独症谱系障碍的家庭干预治疗进展及应用研究

**第三场:** 2021年4月24日上午10:00-11:30 (北京时间)

Peter Clive Mundy  
The MIND Institute, UC Davis  
President of INSAR  
Topic: Advances in Research on the Social Attention Symptoms of Autism

Chongying Wang (王崇颖)  
南开大学周恩来政府管理学院  
Topic: 促进婴幼儿孤独症的早期识别-天津地区的发育监测



来自「Wiley科研云学院」



来自「Wiley科研云学院」

# Wiley科研苑

——学术出版与服务整合平台

资源整合

多种学术资源聚合

- 70+ 在线直播与学术会议回放
  - 110+ 学术大咖、主编访谈视频内容
  - 197篇 期刊信息资源
  - 8个科技论文写作与发表技巧专栏
  - 4期学术出版电台

## Easy to be Found!

最新活动 学术写作 发表技巧 同行评审 活动回顾

Wiley大讲堂  
Get信息检索基本技能和优质资源，助力发表国际期刊论文  
刘丽丽 Wiley中国产品与解决方案顾问  
2021年4月29日 15:00-20:00  
  
**免费** 1520 次观看

学会这几招，助力文章接收发表  
  
**免费**

Wiley“医学出版大讲堂”系列专场  
上半场：医学论文的撰写及投稿策略与要点  
2021年4月2日（周二） 19:00-20:00  
主讲人：崔波博士，期刊编辑  
  
**免费** 1887 次观看

皇榜推出  
SusSpotlight webinar  
SusSpotlight webinar  
  
**免费** 1.1W 次观看

“Wiley Macro Symposium”学术论坛  
论坛将与大家分享当前高分子科学与...  
  
**免费** 7001 次观看

SusForum第二站（北京）：可持续发展能源-资源材料—多学...  
本次研讨会将围绕SusMat重点关注...  
  
**免费** 2.3W 次观看

学科微页面



科研苑平台目前已服务近9万名  
科研用户  
快来扫码关注“**Wiley科研服**  
**务**”点击链接或菜单“**科研苑**”  
即可访问

A screenshot of the Wiley website. At the top right, there is a green button with white text that says "选择这里!". Below it, there is a large downward-pointing arrow icon. The main content area has three tabs: "服务" (Services) on the left, "作者服务" (Author Services) in the center, and "科研苑" (Research Garden) on the right, which is highlighted with a pink rectangular background. Below these tabs, there is a white box containing two bullet points: "主编与大咖见解" (Editorial insights from experts) and "期刊与学术前沿" (Journals and academic frontiers).



# Wiley学术大讲堂

## Wiley科研苑

# 2021学术大讲堂

洞悉学科进展前沿，点亮学术发表之路



我们精心为您准备了多场精彩讲座，内容覆盖多学科进展前沿话题、学术文章发表各个环节中的关键节点，例如“**如何精准地检索学术信息**”、“**如何选择期刊投稿**”、“**科技论文撰写技巧**”、“**文章同行评审**”、“**提升科研成果影响力**”等，还特邀Wiley知名期刊的国外主编，在线介绍特定期刊的投审稿要求及注意事项，深入浅出地为您阐述学术成果发表的全生命周期，助力您走好科研学术之路的每一步。

精彩课程一览



“教育实证研究学术写作与发表”系列讲座  
顶级教育期刊Journal of Engineering ...  
免费

### 课程更新提醒

您订阅的“大讲堂”课程更新啦！

课程名称: Spotlights in Small Science

课程类别: 在线直播

课程老师: Small Science的顾问编委会成员任咏华 (Vivian Yam) 士、江雷院士、细野秀雄教授以及来自世界各地Small Science的作者代表们包括加藤隆史教授、Damien Faire教授和冯新亮教授

课程时间: 2021-11-08 7pm-10pm

备注: 点我进直播间，精彩不容错过！

[查看详情](#)



感谢您关注Wiley科研服务，以下是本期精选回放，直接点击您感兴趣的课程题目，开始学习吧！

### 学科一【自然科学】

1. Wiley新视野系列讲座

### 学科二【物质科学】

1. MXenes-Looking Ahead to the Ne  
2. Wiley先进生物材料论坛

### 学科三【社会科学】

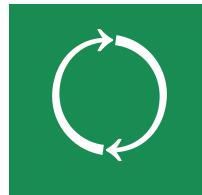
1. 质性研究与发表系列讲座

### 【系列节目】持续更新中

1. 英文科技论文写作 | 科研新手篇  
2. Wiley电台



当月精彩讲座预告



上月精选活动回放



全新系列持续更新

## 大讲堂合集页面

- 每月初定期更新
- 订阅即可获取上新提醒
- 扫码即可收看精选课程
- 浏览大讲堂页面获取最新资讯

## 课程上新提醒

## 精选合集回看



WILEY

# 新内容，新形式



## Wiley电台

深入出版社行业，了解科技出版与学术趣闻  
每月两更

详情 目录 相关推荐

开启上新提醒，有新课上架时将通知您 已开启 上次听到

Wiley电台 Vol.05 | 编辑部的故事 ·下 音频 2021.11.17 | 7次学习

Wiley电台 Vol.04 | 编辑部的故事 ·上 音频 2021.10.28 | 35次学习

Wiley电台 Vol.03 | 管理期刊是什么样一种体验 音频 2021.10.14 | 46次学习

Wiley电台 Vol.02 | Wiley发展史 ——发展 音频 2021.09.29 | 41次学习

Wiley电台 Vol.01 | Wiley发展史 ——建立 音频 2021.09.14 | 261次学习 | 已学完



## 科研新手讲座系列

针对科研新手写作发表视频讲座  
每周更新

英文科技论文写作篇

认识信息检索

英文科技论文写作之科研新手篇

本期课程作为科研新手英文论文写作的入门级课程（科技类），我们将带您由浅入深，从文献查阅到文章基本结构撰写，一步一步助您完成一篇科技论文。快来跟随我们的脚步，发表您的第一篇英文科技论文吧！



## Wiley视频号

分享科研故事、出版趋势、发表技巧、期刊知识  
每周更新

WILEY Wiley 威立 北京 私信

Wiley是全球科研和教育领域的领导者，通过促进发现、赋能教育和塑造人才，来激发人的潜能。

19位朋友关注 公众号: Wiley威立

Disparities and Cancer Care A Major Roadblock to Progress William G. Cance, MD Chief Medical and Scientific Officer American Cancer Society

CA期刊主编、美国癌症 ... CA期刊主编、美国癌症 ... 医学新刊 Clinical and ...

Wiley助力您的学术成长之路

Wiley Inspiring Minds 系 ...

Benefits of publishing open access 开放获取出版的优势



Thank you!

[azhu@wiley.com](mailto:azhu@wiley.com)