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朱苗 Wiley中国产品与解决方案顾问

2022.04.22

Wiley 中国·市场部

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# 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

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# 关于Wiley



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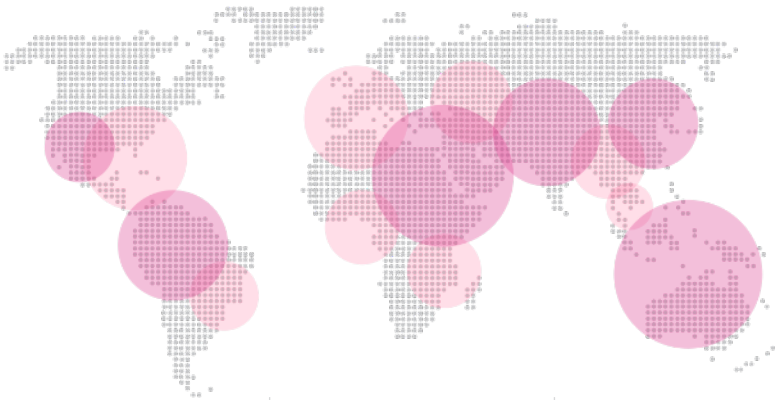
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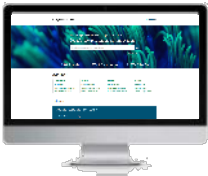
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**650,000**  
作者



# 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



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



**219**

种期刊在学科分类中排名前十



**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

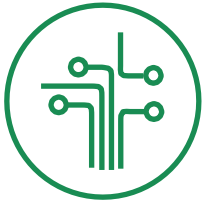
# Wiley高品质期刊助力科研

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



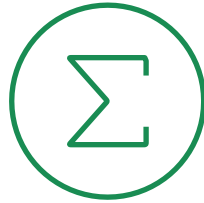
**Global Change  
Biology**  
《全球生物学变化》

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》

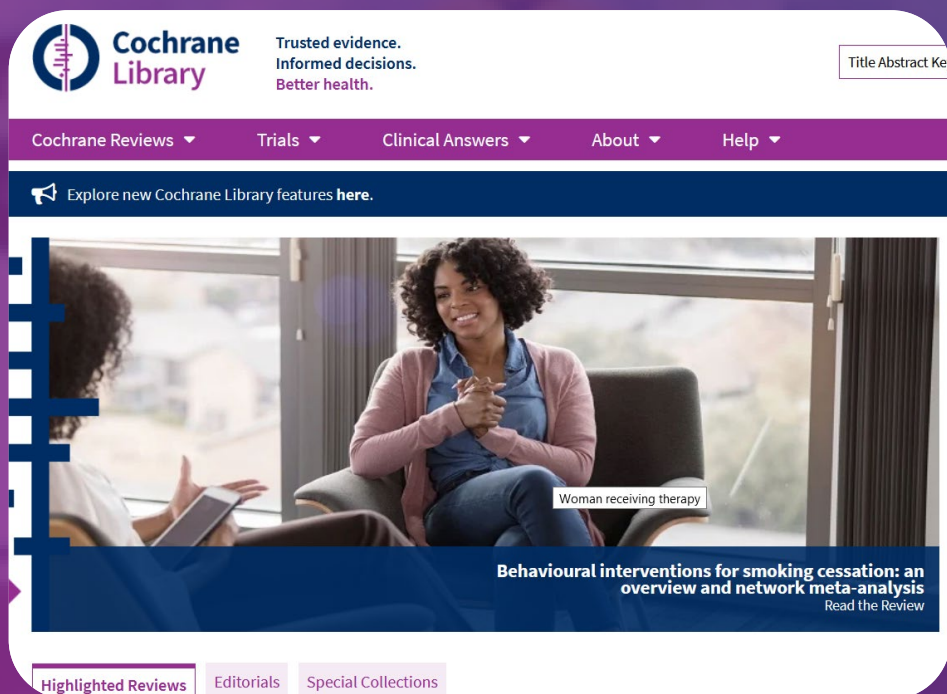
2020 JCR排名:  
2/108 商学，金融  
10/376 经济学



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

2020 JCR 排名:  
1/242 肿瘤学

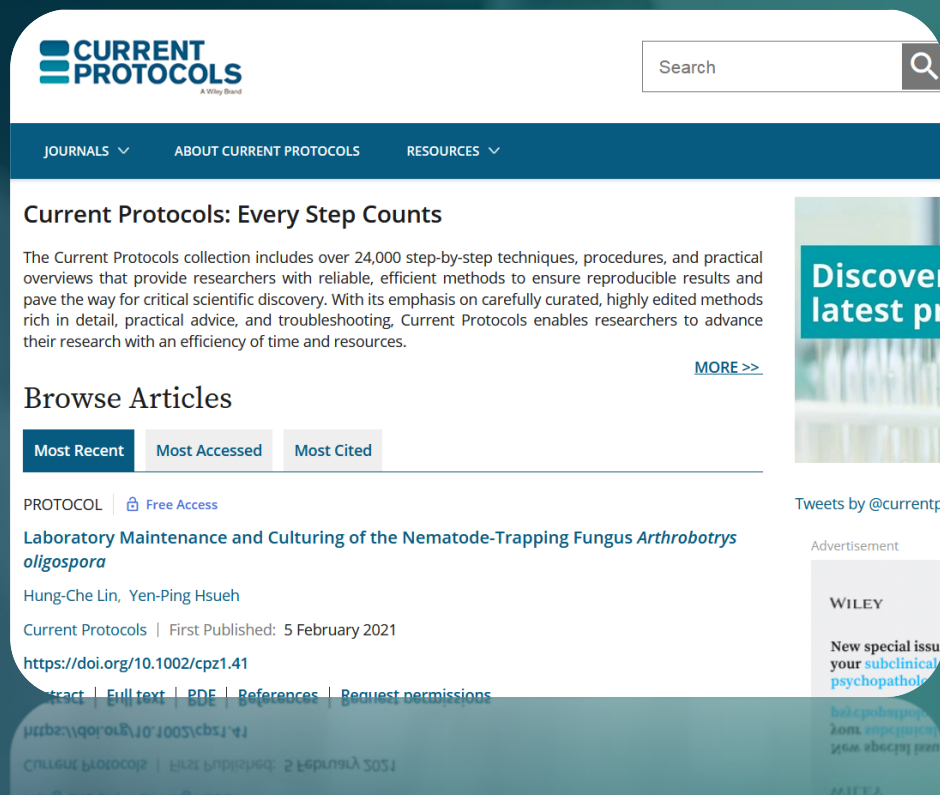
# Cochrane Library: 全面的循证医学数据库



- **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，为医护人员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



**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

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Biology Laboratory



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UNIVERSITY



清华大学  
Tsinghua University



上海交通大学  
SHANGHAI JIAO TONG UNIVERSITY

MERCK

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



- 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

## 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 |        |



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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  
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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



# WILEY



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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

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The screenshot shows the Wiley Online Library homepage. At the top left is the logo 'Wiley Online Library'. To its right is a 'Login / Register' link, annotated with a box labeled '账户管理'. Below the logo is a banner with the text 'Accelerating research discovery to shape a better future' and 'Today's research, tomorrow's innovation'. In the center is a search bar with the placeholder text 'Search publications, articles, keywords, etc.' and a magnifying glass icon, annotated with a box labeled '一般检索与高级检索入口'. Below the search bar is a link 'Access COVID-19 research here'. At the bottom of the banner are three statistics: '1,600+ Journals', '250+ Reference Works', and '22,000+ Online Books', annotated with a box labeled '按照出版物类型（期刊，参考工具书及电子图书）进行浏览'. Below the banner is a 'Resources' section with four columns: 'Researchers' (with links like 'Register online', 'Access options', 'Find training and resources'), 'Librarians' (with links like 'Manage your account', 'View products and solutions', 'Find training and support'), 'Societies' (with links like 'Publish with Wiley', 'Learn about trends', 'Subscribe to news and resources'), and 'Authors' (with links like 'Submit a paper', 'Track your article', 'Learn about Open Access'), annotated with a box labeled '不同用户资源 研究人员；图书馆员；学协会；作者'. Below the 'Resources' section is a 'Subjects' section with a list of disciplines: 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; and Medicine. This section is annotated with a box labeled '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）'. At the bottom right of the page is the URL <https://onlinelibrary.wiley.com/>.

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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

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不同用户资源  
研究人员；图书馆员；学协会；作者

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

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）

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

# 内容发现与获取一查看期刊

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

# 内容发现与获取—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—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

Batteries & Fuel Cells

Biomaterials

Biopolymers

Carbon Materials

Ceramics

Composites

Condensed Matter

Construction Materials

Construction Materials

Corrosion

Crystallography

Dental Technology & Materials Science

Electronic Materials

Electronic Materials

Failure Fracture

General & Introductory Materials Science

Inorganic Electronics

Joining, Welding and Adhesion

Magnetic Materials

Magnetism

Materials for Energy Systems

Materials Characterization

Materials Processing

Materials Science Special Topics

Metals & Alloys

Optical & Non-Linear Optical Materials

Optics & Photonics

Organic Electronics

Photonics & Lasers

Polymer processing

Polymer Characterization

Polymer Physics

Polymer Science & Technology General

Polymer Synthesis

Polymers Special Topics

Porous Materials

Properties of Materials

Semiconductor Physics

Sensor Materials

Soft Matter

Solid State Physics

Theory, Modeling & Simulation

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—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

**Applied Filters** Clear all X

**Biomaterials** X **Journals** X

**Filters**

**Subjects** ^

BIOMEDICAL ENGINEERING	7
CHEMISTRY	3
LIFE SCIENCES	3
MATERIALS SCIENCE	5
MEDICAL SCIENCE	2

MORE (1) v

**Published in** ^

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

LESS ^

**Author** v

7 results for "Biomaterials" anywhere

RSS

**Publications (7)**

Refine Search v Sorted by: Relevance v

**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—利用检索功查找所需内容1/4

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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

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### Researchers

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# 内容发现与获取—利用检索功查找所需内容2/4

限定检索字段出处

Anywhere

Title

Author

Keywords

Abstract

Author Affiliation

Funding Agency

限定期刊

Enter a journal, book, or reference work title

限定出版时间

All dates

Last

Custom range

Month

Year

Month

Year

ADVANCED SEARCH

CITATION SEARCH

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

Custom range

Month

Year

Month

Year

Search

可增添至七个检索框，每个检索框中可使用布尔运算符“AND, OR, NOT”进行连接；支持通配符？ \*

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 (anemia & 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—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 v

Sorted by **Relevance** v

[Export Citation\(s\)](#) [Download PDF\(s\)](#)

Chapter

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

Alexey Kubarev, Eva Plessers, Maarten Roefsaers

**按照相关性，出版日期进行排序**

# 内容发现与获取—利用检索功查找所需内容4/4

**Filters**

**出版类型**

Publication Type ^

☐ Journals

276,746

☐ Books

27,796

☐ Reference works

7,230

**出版日期**

Publication Date ^

☐ Last Week

437

☐ Last Month

1,943

☐ Last 3 Months

5,938

☐ Last 6 Months

11,511

☐ Last 2 Years

44,823

MORE (2) ^

From: 1837 To: 2022 **Go**

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Access ☐ Open Access Content 11,746

**涉及学科**

Subjects ^

☒ ACCOUNTING

14

☒ AGRICULTURE

6,355

☒ ANTHROPOLOGY

331

☒ AQUACULTURE, FISHERIES & FISH SCIENCE

1,854

☒ ARCHAEOLOGY

39

MORE (58) ^

**出版物**

Published in ^

☐ Wiley Online Books

24,948

☐ Angewandte Chemie International Edition

13,225

☐ European Journal of Inorganic Chemistry

11,489

☐ ChemInform

10,834

☐ Angewandte Chemie

10,782

MORE (92) ^

**作者**

Author ^

☐ Zhang, Wei

499

☐ Wang, Lei

459

☐ Wang, Wei

421

☐ Zhang, Lei

371

☐ Liu, Yang

343

MORE (20) ^

# 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](#) |

### 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

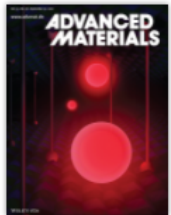
First published: 21 September 2021 | <https://doi.org/10.1002/adma.202104446>

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



[Early View](#)  
Online Version of Record before inclusion in an issue 2104446  
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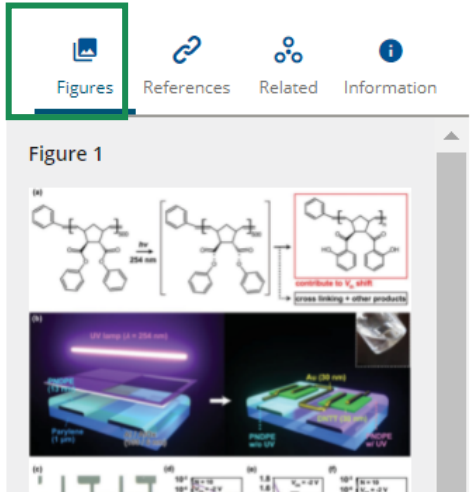
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Flexible electronics have gained considerable attention for applications in wearable devices. Organic transistors are potential candidates to develop ultraflexible integrated circuits (ICs). A primary technique for maximizing their reliability and speed is the modulation of charge-carrier behavior in the respective devices 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) (PNB) are introduced on a homogeneous PNDPE that are obtained via the photo-Fries rearrangement by UV irradiation. The HFDPs provide a functional area for charge-carrier modulation in organic transistors with a high patterning resolution, at 2 V operation, and they also exhibit high operational stability over 140 days and under ambient conditions. 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 more complex and ultraflexible ICs.

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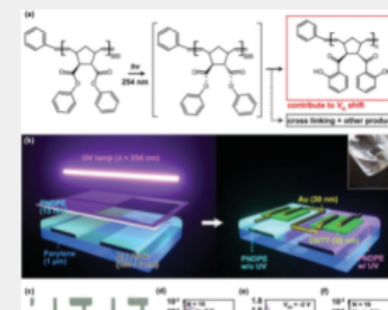


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First published: 21 September 2021

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Flexible electronics have gained significant attention for their applications in various devices. Organic transistors are a key component in these devices, and their performance can be improved by modulating the charge-carrier behavior in the respective transistors. In this work, heterogeneous functional dielectric

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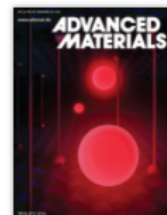
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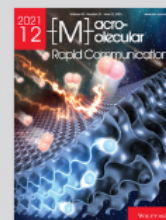
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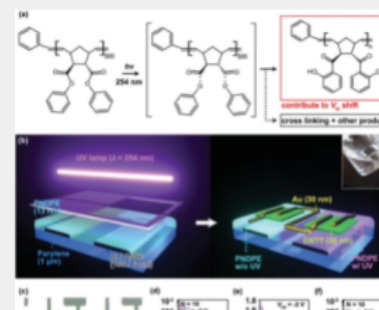


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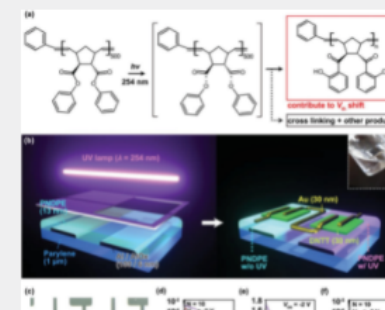
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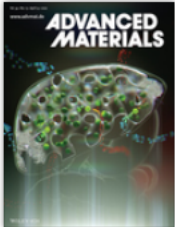
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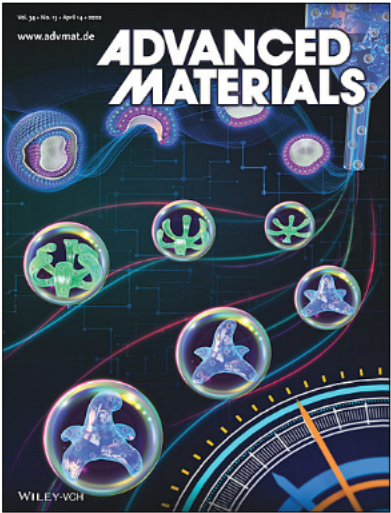


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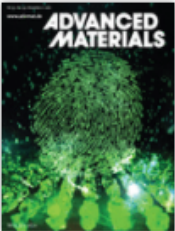
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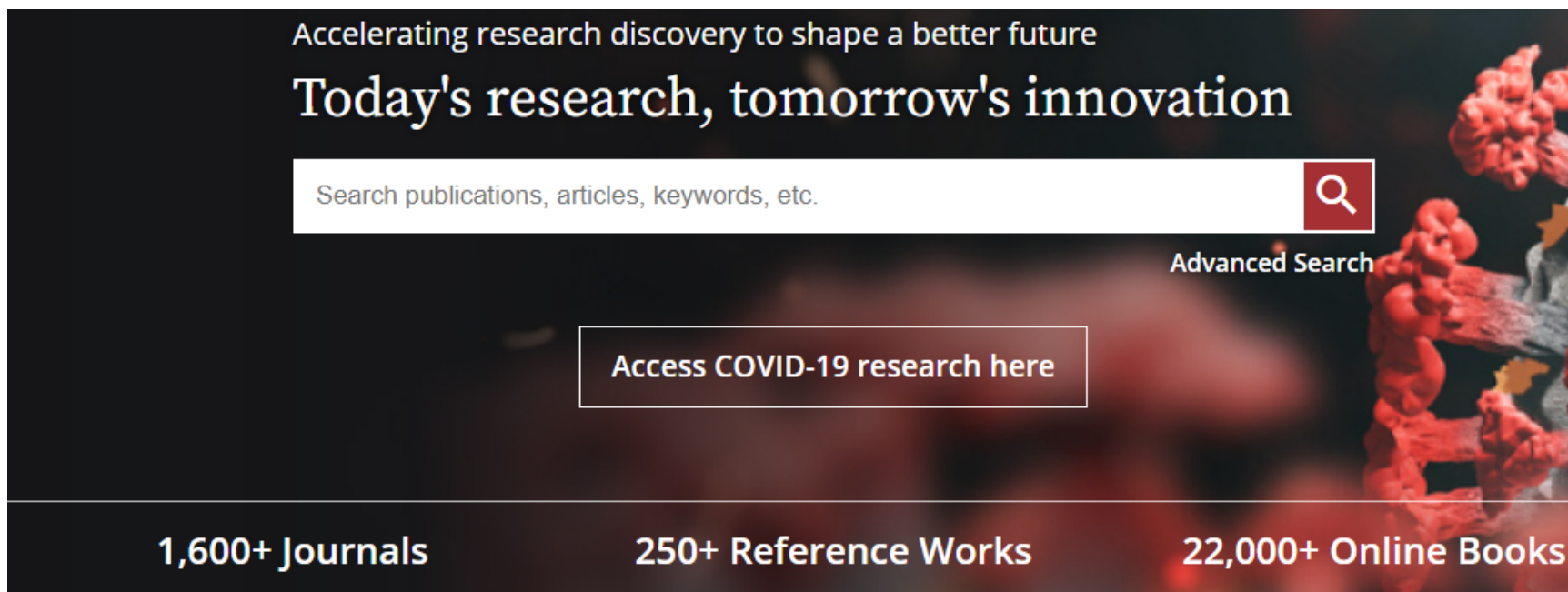
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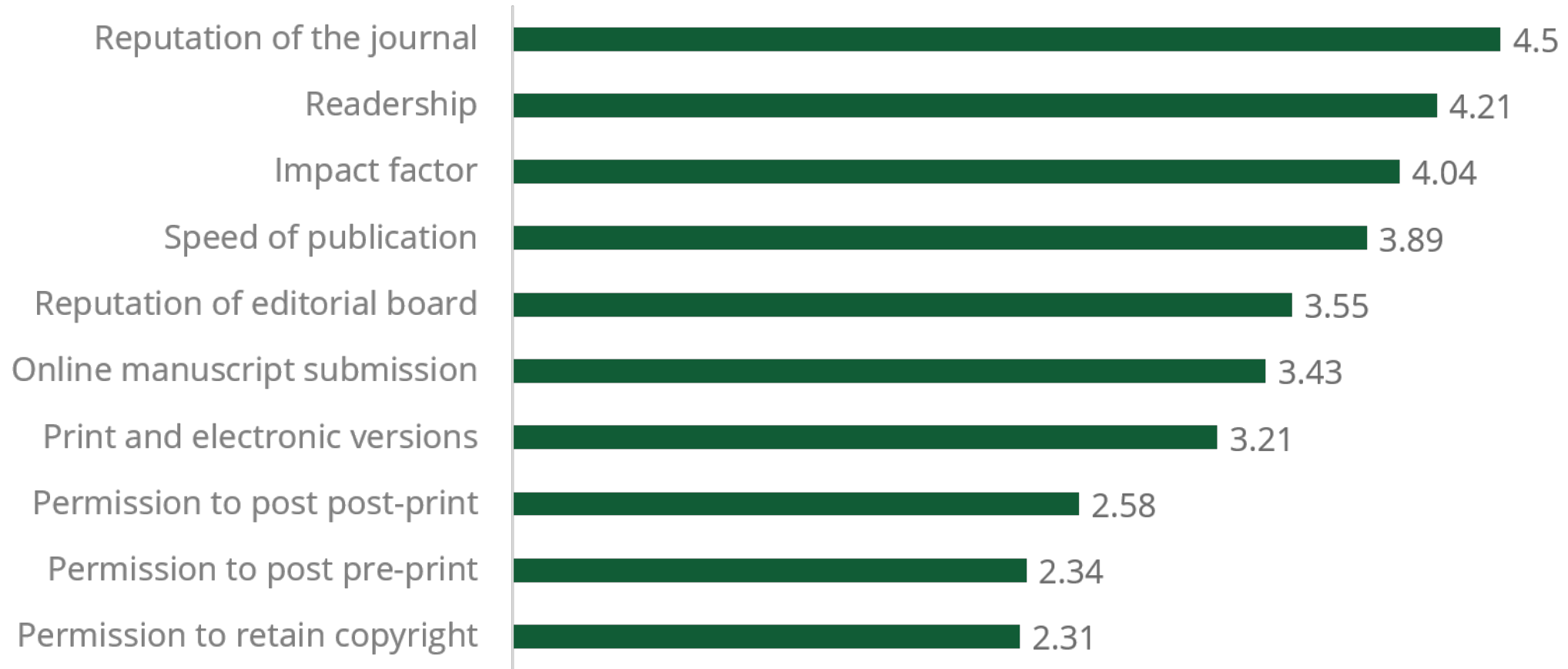
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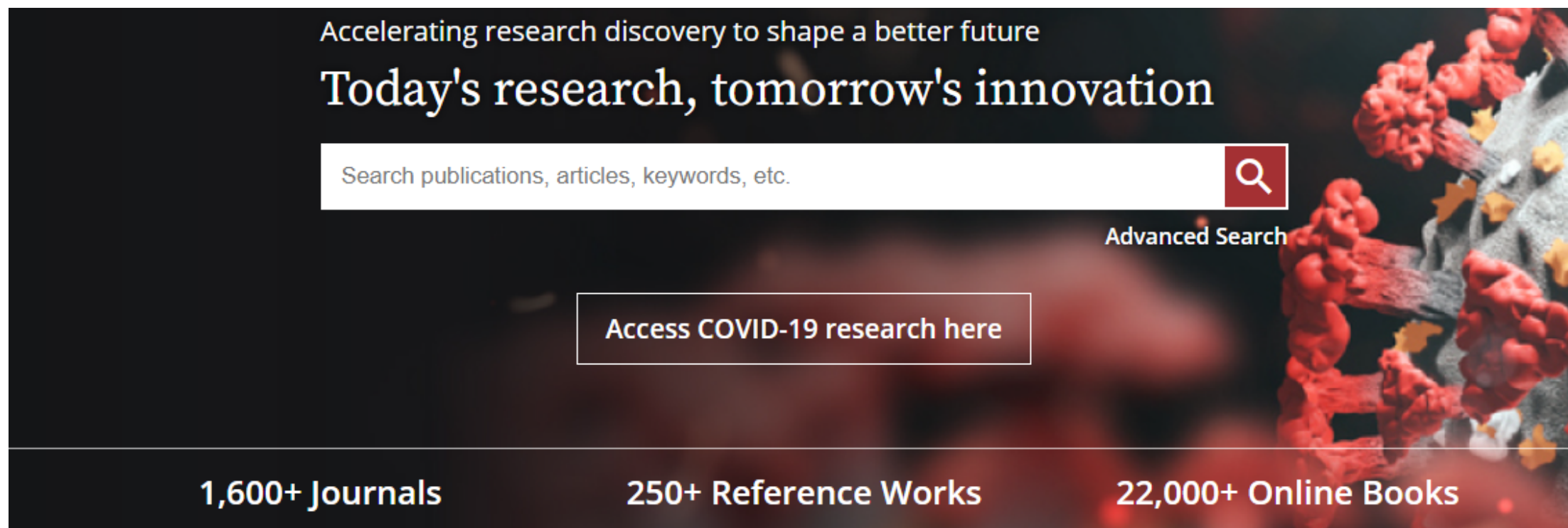


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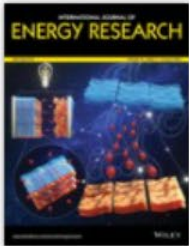
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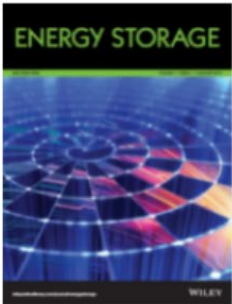
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## Aqua-processable carbon quantum dot–assisted resilient polymer binder for advanced lithium-sulfur batteries

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

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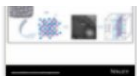
### Summary

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.

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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



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National Research Foundation of Korea.  
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#### Keywords

binder carbon quantum dot  
lithium-sulfur battery polyurethane  
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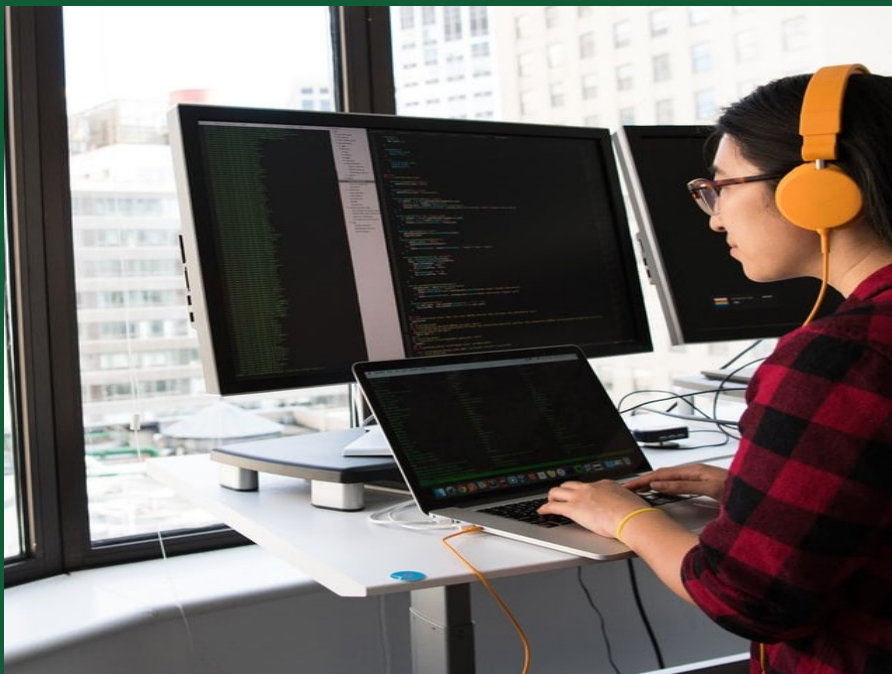
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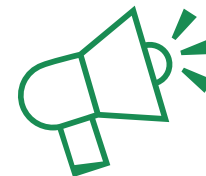
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**Xiang Yu (于翔)**  
北京大学生命科学学院、北京大学医学部孤独症研究中心

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UT Southwestern Medical Center

**Topic:** Cell-type Specific Transcriptional Networks Related to Autism

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复旦大学附属儿科医院

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The MIND Institute, UC Davis  
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