

# ScienceDirect, Empowering Knowledge

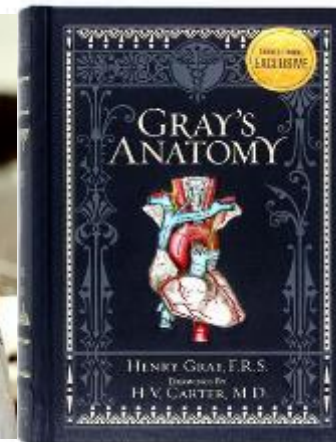
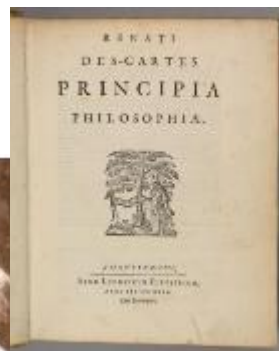
The leading platform of peer-reviewed scholarly literature



Presented by LIU YAO



# Who is Elsevier?



伍连德 (1879-1960)

## THE LANCET

Volume 182, Issue 4695, 25 August 1913, Pages 529-535

### INVESTIGATIONS INTO THE RELATIONSHIP OF THE TARBAGAN (MONGOLIAN MARMOT) TO PLAGUE. ☆

Wu Lien Teh (DIRECTOR AND CHIEF MEDICAL OFFICER, NORTH MANCHURIAN PLAGUE PREVENTION SERVICE; MEDICAL OFFICER OF THE FOREIGN OFFICE, PEKING; AND LATE PRESIDENT OF THE INTERNATIONAL PLAGUE CONFERENCE, 1911); G.L. Tuck M.A., M.D., B.C. CANTAB., LL.D. PEKING (DIRECTOR AND CHIEF MEDICAL OFFICER, NORTH MANCHURIAN PLAGUE PREVENTION SERVICE; MEDICAL OFFICER OF THE FOREIGN OFFICE, PEKING; AND LATE PRESIDENT OF THE INTERNATIONAL PLAGUE CONFERENCE, 1911).

Show more ▾

+ Add to Mendeley Share Cite

[https://doi.org/10.1016/S0140-6736\(01\)76466-5](https://doi.org/10.1016/S0140-6736(01)76466-5)

Get rights and content



Journal of Economic Theory  
Volume 65, Issue 1, April 1996, Pages 353-385

Search  
**The Work of John Nash in Game Theory: Nobel Seminar, December 8, 1994**

Available online 25 May 2002

View links ▾

+ Add to Mendeley Share Cite

<https://doi.org/10.1006/jeth.1996.0042> Get rights and content

View About

Copyright © 1995 Published by Elsevier Inc. All rights reserved.



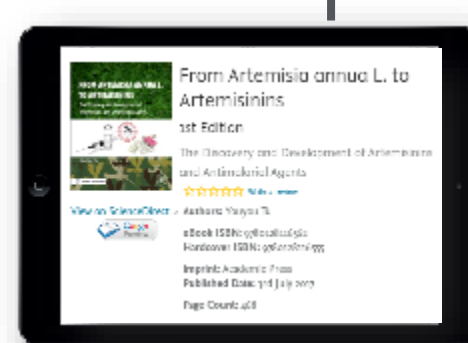
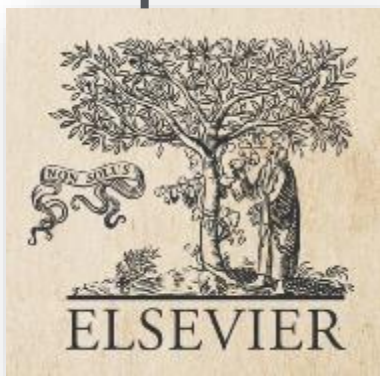
# 爱思唯尔公司的旗舰产品ScienceDirect数据库 ——全球科研机构 R&D 创新的源泉

源自伽利略时代的历史传承



[www.sciencedirect.com](http://www.sciencedirect.com)

1580 1638 1880 1930 1950 1970 1990 1993 1997 2001 2004 2008 2012 2013 2017 2019 2021 2023

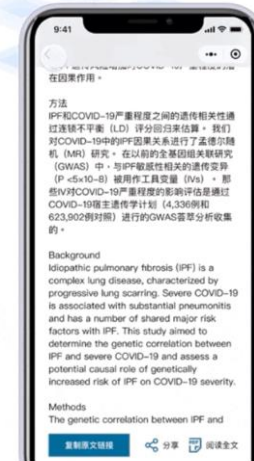


[www.sciencedirect.com](http://www.sciencedirect.com)

标题/摘要/作者/期刊, 任你押



一键翻译  
读论文, 再无障碍



微信小程序(测试版)



## 2,700/43,000

爱思唯尔发行2700余种数字期刊（包括《柳叶刀》和《细胞》），出版43,000余种图书，以及诸多经典参考书（如《格氏解剖学》）。



## 1800万+

每月有1800万+人使用爱思唯尔在线科研平台ScienceDirect



## 51篇/秒

2021年ScienceDirect全文下载量超过16亿篇



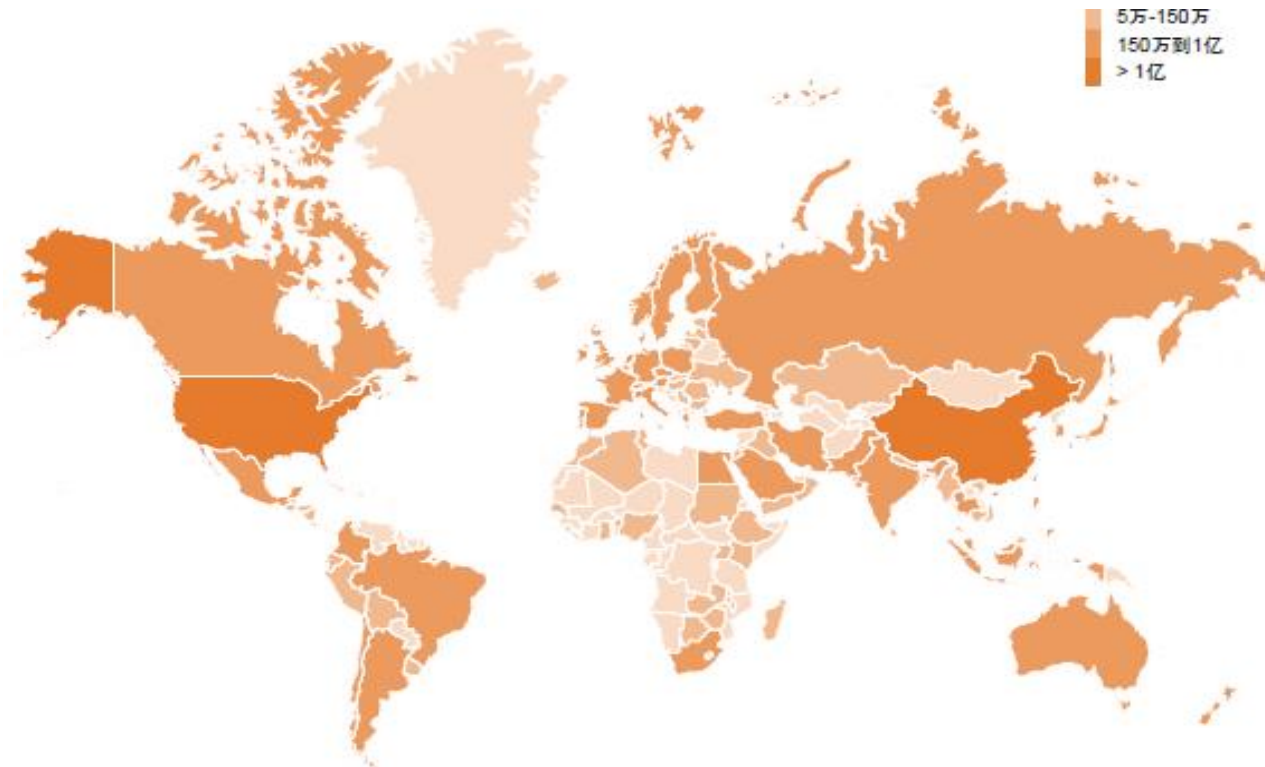
## 600,000

2022年发表经同行评审的科研文章60万篇



## ~18%

论文总量约占全球科研产出的18%，引用量占全球近28%



# ScienceDirect is a leading full-text scientific database of Elsevier

Renewable and Sustainable Energy Reviews (2017) 73–109

Contents lists available at ScienceDirect

**Renewable and Sustainable Energy Reviews**

journal homepage: [www.elsevier.com/locate/rser](http://www.elsevier.com/locate/rser)

**The wood from the trees: The use of timber in construction**

Michael H. Ramage<sup>a,\*</sup>, Henry Burridge<sup>b,1</sup>, Marta Busse-Wicher<sup>c</sup>, George Ferriday<sup>b,2</sup>, Thomas Reynolds<sup>d</sup>, Danish U. Shah<sup>e</sup>, Guanglin Wu<sup>f</sup>, Li Yu<sup>g</sup>, Patrick Fleming<sup>h,3</sup>, Danielle Denzey-Tingley<sup>h,4</sup>, Julian Alwood<sup>h,5</sup>, Paul Dupree<sup>h,6</sup>, P.F. Linden<sup>h,7</sup>, Oren Scherman<sup>h,8</sup>

<sup>a</sup> Department of Architecture, University of Cambridge, 1-6 Storey Lane, Cambridge CB2 3RQ, UK  
<sup>b</sup> Department of Applied Mathematics and Theoretical Physics, University of Cambridge, Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WA, UK  
<sup>c</sup> Department of Mechanical Engineering, University of Cambridge, Building 0, Downing Site, Cambridge CB2 3RQ, UK  
<sup>d</sup> Department of Chemistry, University of Cambridge, Lensfield Road, Cambridge CB2 3RQ, UK  
<sup>e</sup> Department of Engineering, University of Cambridge, Trumpington Street, Cambridge CB2 3RQ, UK

**ARTICLE INFO**      **ABSTRACT**

**Keywords:** Wood; All building; Sustainable energy; Timber supply chain; Engineered wood products; Wood modification; Red-4-4

**1. Introduction**

Timber for construction is one of the many forest products used around the world. It is used in buildings both large and small; here we consider timber for the construction of buildings of six or more storeys, and the biochemistry and chemistry of wood modification that would enable much larger buildings. There is ample global supply for the foreseeable future, and although there is a worldwide trend towards deforestation, it is generally due to clearing land for agriculture rather than logging for timber. Nevertheless illegal logging remains a concern. How should one use timber? While there are technical possibilities, design, and construction is based in both engineering and cultural practices. Timber has a high strength to weight ratio, and is used most efficiently in structures where it is carrying a lot of its own self-weight. In many areas of the world building codes trump engineering, so heights are limited well below what is possible in timber. We also address important questions relating to the service life of timber structures, affected predominantly by their fire performance and moisture sensitivity, and how this can be extended through the modification of the natural material, and using effective design details. While such modifications may increase the carbon sequestered in period due to prolonged life, there may be however detrimental implications to end-of-life scenarios.

Why should one use timber? Construction-grade timber and

\* Corresponding author. E-mail address: [mhr20@cam.ac.uk](mailto:mhr20@cam.ac.uk) (M.H. Ramage).  
<sup>1</sup> Present address: Department of Civil and Environmental Engineering, Imperial College London, London SW7 2AZ, UK.  
<sup>2</sup> Present address: The CADS School of Architecture, London Metropolitan University, London E1 79Y, UK.  
<sup>3</sup> Present address: Quant Research Finance AG, CH-3000 Chêne-Boulevard.  
<sup>4</sup> Present address: Department of Civil and Environmental Engineering, University of Bath, Bath BA2 9AY, UK.

http://dx.doi.org/10.1016/j.rser.2016.09.107  
 Received 9 October 2015; Received in revised form 2 September 2016; Accepted 28 September 2016  
 Available online 10 October 2016  
 1364-8152/16/336 © The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY license (<http://creativecommons.org/licenses/by/4.0/>).

Renewable and Sustainable Energy Reviews (2017) 73–109

**2.2. Timber – the biggest organism on earth**

Different species grow at different rates. Examples of the fast growing trees are *Taxus orientalis*, which is used for the amelioration of deforested land and can reach 20 m after seven years [1]. Royal Knapes Trees, *acalypta* (three m per year), and willow and poplar. The studies on the possible maximum height of trees under various issues like hydraulic requirements [2,3] or limited leaf expansion and photosynthesis on the top of the tree [4]. Despite such constraints, the tallest living trees on Earth, *Sequoia sempervirens*, found in California Redwood National Park (Fig. 2), can reach well over 100 m, with the tallest measuring 115.7 m. The tallest tree ever reported was *Eucalyptus regnans* in Australia, reaching at least 143 m. The biggest tree (by volume) are *Sequoiadendron giganteum*, with estimated trunk volume of nearly 1500 m<sup>3</sup>. Trees of the same species grow in diverse conditions may grow very differently, the increase in girth of a tree grown in the open is twice as much as one grown in woodland. An average tree standing tree would add 2.8 cm per year to its girth, with fast trees (like giant sequoia, coastal redwood, Sitka spruce and Douglas fir) reaching 5–7.5 cm. Some trees, for example Scots pine, grow more slowly [5,6]. Matching optimized growth and usefulness of trees for construction is not an easy task. For example, the main tree grown for construction in the UK, a Sitka spruce, an imported conifer from the Pacific Northwest of North America. It can reach 40–70 m height, but in the UK, where conditions are milder than its native

**2.1. Tree structure**

The ability to store a “tree” has been acquired many times during the evolution of plants, and so there can be great variability between tree species. In our era, the most abundant tree forming groups are within the angiosperms (group of plants producing flowers and

engineered forest products are some of the highest value products from trees. This suggests that structural use is important for economics that rely on forestry. Furthermore, following primary use as a resource, there are many secondary or tertiary uses for timber construction waste that retain its value.

When should one use timber? Timber can have economic benefits for construction, as modern timber is largely factory prepared and brought to site for rapid assembly. Both local and global markets exist for timber, so such could be important in assessing the value of using timber at a large scale. The environmental benefits have been demonstrated on some projects, but are not always easy to quantify or generalise.

This review article aims to provide a big-picture view of the environmental impacts of using timber in construction, and the choices that influence this. The novelty of this article is that it accurately covers current knowledge and provides important insights at multiple scales across a range of disciplines, all of which contribute to the environmental impact of timber use: trees as a resource, wood cell biology and molecular structure, forestry and management practices, processing into products, modification for durability, design and engineering for full-scale applications, end-of-life as residues, reuse, and global use, trade and policies. Following this assessment, we also highlight directions for future research that will shape environmental outcomes for constructing with such natural materials.

**Fig. 1. Trees. (A) Beech, a hardwood. (B) Pine, a softwood.**

“ScienceDirect提供了一个易于操作的平台，可以方便地访问广泛且有用的研究出版物，超出我的想象”

—Researcher USA

## ScienceDirect

### *Physical Sciences and Engineering*

Chemical Engineering

Chemistry

Computer Science

Earth and Planetary Sciences

Energy

Engineering

Materials Science

Mathematics

Physics and Astronomy

### *Life Sciences*

Agricultural and Biological Sciences

Biochemistry, Genetics and Molecular Biology

Environmental Science

Immunology and Microbiology

Neuroscience

### *Health Sciences*

Medicine and Dentistry

Nursing and Health Professions

Pharmacology, Toxicology and Pharmaceutical Science

Veterinary Science and Veterinary Medicine

### *Social Sciences and Humanities*

Arts and Humanities

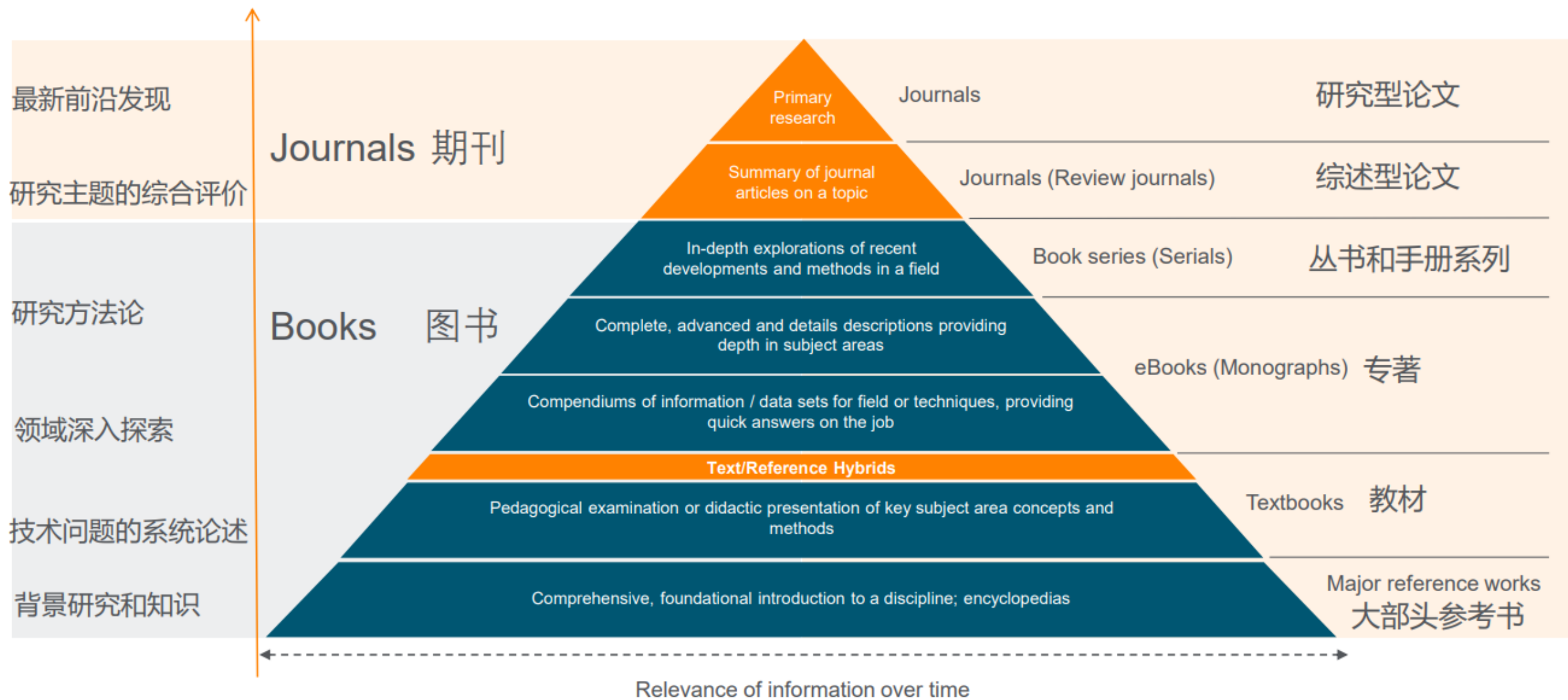
Business, Management and Accounting

Decision Sciences

Economics, Econometrics and Finance

Psychology

Social Sciences



# Top Journals in ScienceDirect



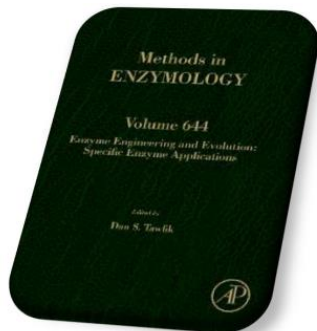
◆ 72本期刊排名前1  
 ◆ 739本期刊排名前10

72/238 排名第一  
 30.3%



# Famous eBooks in ScienceDirect

## 70余套丛书\_DRAA集团采购



### 《酶学方法》

#### Methods in Enzymology

- 历史悠久：创刊于1955年，已有70多年历史
- 资源丰富：660多卷
- 内容权威：至少有60多位诺奖得主参与投稿，撰写基金申请和毕业论文的重要知识参考，提供详细实验操作指南
- 更新稳定：每年新增16卷
- 适用广泛：广泛应用于生物、化学、医学、农业等领域

## 200余种教材

<p>计算机科学</p> <p>经典教材，被众多高校采用，如美国东北大学、伊利诺伊理工学院、加州大学伯克利等。</p> <p>计算机网络，第5版</p>	<p>数学</p> <p>TAA 优秀教材 获奖图书 出版以来有超20万次的下载</p> <p>概率模型导论，第12版</p>	<p>有机化学</p> <p>2018 TAA 优秀教材</p> <p>有机合成，第4版</p>	<p>有机化学</p> <p>化学类教材 用量第1</p> <p>有机化学，第2版</p>
--	---	--	---

## 30000余种专著

<p>On the Development of China's Information Technology Industry</p> <p>Jiang Zemin</p>	<p>FROM ARTEMISIA ANNUA L. TO ARTEMISININS</p> <p>The Discovery and Development of Artemisinins and Antimalarial Agents</p> <p>Jianping Tang</p>	<p>MATLAB®</p> <p>A PRACTICAL INTRODUCTION TO PROGRAMMING AND PROBLEM SOLVING</p> <p>STORMY ATTAWAY</p>	<p>Practical Machine Learning for Data Analysis Using Python</p> <p>Mehrez Sahar</p>	<p>BASIC STATISTICS with R</p> <p>TEACHING STATISTICS WITH DATA</p> <p>STEPHEN C. LOFTUS</p>
<p>NUTRIENT METABOLISM</p> <p>ESSENTIALS OF PROTEIN AND GENETICS</p> <p>Jacques M. Pasteur</p>	<p>The Prefrontal Cortex</p> <p>Jacques M. Pasteur</p>	<p>WILLS' Mineral Processing Technology</p> <p>An Introduction to the Practice of Aspects of the Treatment and Mineral Recovery</p> <p>Barry A. Wills and James K. Finch</p>	<p>Writing and Presenting in English</p> <p>The Rosetta Stone of Science</p> <p>PETEY YOUNG</p>	<p>Smart Economic Decision-Making in a Complex World</p> <p>Mark Dixon</p>



### 《经济学手册系列》

<p>Advances in APPLIED MECHANICS</p> <p>VOLUME 53</p> <p>Editor: Stephen P.A. Braden, David S. Bruden</p>	<p>ADVANCES IN PARASITOLOGY</p> <p>VOLUME 91</p> <p>Editor: G. MILLIGAN</p>	<p>ADVANCES IN ECOLOGICAL RESEARCH</p> <p>VOLUME 64</p> <p>THE FUTURE OF AGRICULTURAL LANDSCAPES</p> <p>EDITED BY DANIEL A. BOHAN, ADAM J. VANBERGEN</p>	<p>ADVANCES IN AGRONOMY</p> <p>VOLUME 127</p> <p>Editor: J. Boyer</p>	<p>Advances in EXPERIMENTAL SOCIAL PSYCHOLOGY</p> <p>VOLUME 56</p>
<p>应用力学进展</p> <p>Cite Score: 11.9</p> <p>分类排名: 前1%</p>	<p>寄生虫学进展</p> <p>Cite Score: 10.2</p> <p>分类排名: 前7%</p>	<p>生态学研究进展</p> <p>Cite Score: 10.2</p> <p>分类排名: 前4%</p>	<p>农学进展</p> <p>Cite Score: 9.9</p> <p>分类排名: 前1%</p>	<p>实验社会心理学进展</p> <p>Cite Score: 11.6</p> <p>分类排名: 前2%</p> <p>文章获得2017年欧洲</p>

# 学者如何使用文献进行科研?

## 传播交流



## 投稿发表

**Measurement** Editorial Manager

HOME • LOGOUT • HELP • REGISTER • UPDATE MY INFORMATION • JOURNAL OVERVIEW • MAIN MENU • CONTACT US • SUBMIT A MANUSCRIPT • INSTRUCTIONS FOR AUTHORS • PRIVACY

Role: Author Username: HLI-480

**Author Main Menu**

For additional help with your submission, please click here for the Author Tutorial.

**New Submissions**

- [Submit New Manuscript](#)
- Submissions Sent Back to Author (0)
- Incomplete Submissions (0)
- Submissions Waiting for Author's Approval (0)
- Submissions Being Processed (0)

**Revisions**

- Submissions Needing Revision (0)
- Revisions Sent Back to Author (0)
- Incomplete Submissions Being Revised (0)
- Revisions Waiting for Author's Approval (0)
- [Revisions Being Processed](#) (1)
- Declined Revisions (0)

**Completed**

- Submissions with a Decision (0)



## 科研追踪

Find articles with these terms

Authors: "da chen" x Author affiliation: "china jilang university" x

[Advanced search](#)

**39 results** [Download selected articles](#) [Export](#)

[Set search alert](#)

Research article  Full text access

**Refine by:**

**Years**

- 2023 (3)
- 2022 (4)
- 2021 (2)
- 2020 (1)
- 2019 (1)
- 2018 (2)
- 2017 (6)
- 2016 (7)
- 2015 (4)
- 2014 (1)
- 2013 (2)

1 **Effect of silicone oil additive on swelling stress alleviation in the metal hydride reactor**  
International Journal of Hydrogen Energy, 7 February 2022, ...  
Qilun Li, Gao Tang, Yuexiang Huang  
[View PDF](#) [Abstract](#) [Figures](#) [Export](#)

2 **In situ growth of Z-scheme CuS/CuSCN heterojunction to passivate surface defects and enhance photocatalytic activity**  
Journal of Colloid and Interface Science, 2 February 2021, ...  
Pei Ning, Junhui Liang, Yuexiang Huang  
[View PDF](#) [Abstract](#) [Graphical Abstract](#) [Figures](#) [Export](#)

3 **Rationally designed ternary CdSe/WS<sub>2</sub>/g-C<sub>3</sub>N<sub>4</sub> hybrid photocatalysts with significantly enhanced insight**  
International Journal of Hydrogen Energy, 12 July 2021, ...  
Jianhui Pan, Junhui Liang, Yuexiang Huang  
[View PDF](#) [Abstract](#) [Figures](#) [Export](#)

## 参考阅读

Contents lists available at [ScienceDirect](#)

**Applied Surface Science**

Journal homepage: [www.elsevier.com/locate/apsusc](http://www.elsevier.com/locate/apsusc)

**Dual-shell hollow polyaniline/sulfur-core/polyaniline composites improving the capacity and cycle performance of lithium-sulfur batteries**

Yanling An, Pan Wei, Meiqiang Fan<sup>a</sup>, Da Chen, Haichao Chen, Qiangjian Ju, Guanglei Tian, Kangying Shu

<sup>a</sup>Department of Materials Science and Engineering, China Jilang University, Hangzhou 310018, PR China

**ARTICLE INFO**

Article history:  
Received 21 December 2015  
Received in revised form 14 February 2016  
Accepted 7 March 2016  
Available online 10 March 2016

**Keywords:**  
Lithium-sulfur battery  
Cycle performance  
Cathode  
Dual-shell hollow polyaniline/sulfur-core/polyaniline ANI/S/PANI composite

**ABSTRACT**

In this study, a dual-shell hollow polyaniline/sulfur-core/polyaniline (hPANI/S/PANI) composite was prepared by successively depositing PANI, S, and PANI on the surface of a template silicon sphere. The electrochemical properties of this composite were evaluated using a lithium plate as an anode in lithium/sulfur cells. The hPANI/S/PANI composite showed a discharge capacity of 572.2 mAh g<sup>-1</sup> after 214 cycles at 0.1 C, and the Coulombic efficiency was above 87% in the whole charge/discharge cycle. The improved cycle property of the hPANI/S/PANI composite can be ascribed to the fine sulfur particles homogeneously deposited on the PANI surface and sprawled inside the two PANI layers during the charge/discharge cycle. This behavior stabilized the nanostructure of sulfur and enhanced its conductivity.

© 2016 Elsevier B.V. All rights reserved.

**1. Introduction**

Lithium-sulfur batteries are promising low-cost rechargeable battery systems requiring simple preparation because of the high theoretical capacity (1672 mAh g<sup>-1</sup>) of sulfur [1–3]. However, some problems should be addressed before the commercial application of sulfur cathode; these limitations include the insulating nature and large volume expansion of sulfur, as well as the dissoluble polysulfide species formed during discharge [4,5]. Such difficulties may lead to active material loss and side reactions on the lithium metal anode, which can directly result in faded capacity, decreased Coulombic efficiency, and low C rate. These setbacks have been a subject of great concern over the past 10 years.

structures of the composites [8–10]. Polymers and carbon materials act as electrical and ion-conducting agents with stable network-like structures for sulfur cathode. Wu F performed rapid in situ chemical oxidation polymerization of polyamine to coat carbon-core/sulfur-shell structures. The composite of 70% sulfur, 20.2 PANI, and 9.8% carbon yielded 924 mAh g<sup>-1</sup> after 80 cycles [11]. However, the commercialization of high-performance carbon materials was limited by their high-cost complex manufacturing process. Recent works reported that sulfur cathode coated or modified with electropolymerized conductive polyaniline (PANI) and polypyrrole (PPy) improved the electrochemical performance of Li-S batteries [12,13]. Qiu LL prepared a nano/sulfur/poly(pyrrrole-co-aniline) (S/PPyA) composite material by co-heating a mixture





Search for peer-reviewed journals, articles, book chapters and [open access](#) content.

[Advanced search](#)

简单检索

Ammonification is the primary process that converts reduced organic nitrogen ( $R-NH_2$ ) to reduced inorganic nitrogen ( $NH_4^+$ ) through the action of microorganisms.

[Learn about ammonification >](#)

简单检索

Journals & Books

Yao Liu 



material

Author name

Journal/book title

Volume

Issue

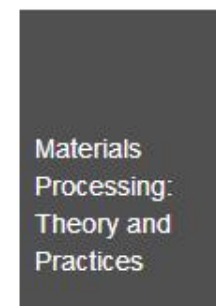
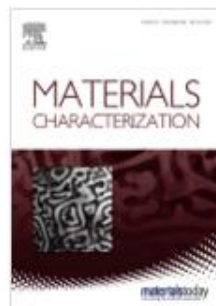
Pages



Advanced search

Suggested publications:

View all




7,117,077 results

 Download selected articles

 Export

sorted by *relevance* | *date*

 Set search alert

Research article ● Full text access

All boron-based 2D material as anode material in Li-ion batteries

Journal of Energy Chemistry, Volume 27, Issue 6, November 2018, Pages 1651-1654

Ning Jiang, Biao Li, Fanghua Ning, Dingguo Xia

 Download PDF (1,371.000 KB)


Abstract 

Export 


Refine by:

Years

2019 (23,873)

Feedback 

Search for peer-reviewed journals, articles, book chapters and [open access](#) content.

[Advanced search](#)[高级检索](#)

Ammonification is the primary process that converts reduced organic nitrogen ( $R-NH_2$ ) to reduced inorganic nitrogen ( $NH_4^+$ ) through the action of microorganisms.

[Learn about ammonification >](#)

高级检索

All of the fields are optional.  
Find out [more](#) about the new advanced search.

Search tips ?

检索小贴士

Find articles with these terms

在全文中检索

In this journal or book title

在刊名/书名检索

Year(s)

限定年份

Author(s)

限定作者

Author affiliation

限定机构

Title, abstract or keywords

在标题、文摘、关键词中检索

Show more fields

References

参考文献

ISSN or ISBN

国际出版物号码

Article types

- Review articles
- Research articles
- Encyclopedia
- Book chapters
- Conference abstracts
- Book reviews
- Case reports
- Conference info
- Correspondence
- Data articles
- Discussion
- Editorials
- Errata
- Examinations
- Mini reviews
- News
- Patent reports
- Practice guidelines
- Product reviews
- Replication studies
- Short communications
- Software publications
- Video articles
- Other

限定文章类型

Search Q

## 机构检索

案例1：  
搜索华为发表的文章

All of the fields are optional.

Find out [more](#) about the new advanced search.

Find articles with these terms

In this journal or book title

Year(s)

Author(s)

Author affiliation


huawei

Title, abstract or keywords

✓ Show more fields

#### Article types

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Review articles      | <input type="checkbox"/> Correspondence | <input type="checkbox"/> Patent reports        |
| <input type="checkbox"/> Research articles    | <input type="checkbox"/> Data articles  | <input type="checkbox"/> Practice guidelines   |
| <input type="checkbox"/> Encyclopedia         | <input type="checkbox"/> Discussion     | <input type="checkbox"/> Product reviews       |
| <input type="checkbox"/> Book chapters        | <input type="checkbox"/> Editorials     | <input type="checkbox"/> Replication studies   |
| <input type="checkbox"/> Conference abstracts | <input type="checkbox"/> Errata         | <input type="checkbox"/> Short communications  |
| <input type="checkbox"/> Book reviews         | <input type="checkbox"/> Examinations   | <input type="checkbox"/> Software publications |
| <input type="checkbox"/> Case reports         | <input type="checkbox"/> Mini reviews   | <input type="checkbox"/> Video articles        |
| <input type="checkbox"/> Conference info      | <input type="checkbox"/> News           | <input type="checkbox"/> Other                 |

Search 



## 机构检索

案例1：  
搜索华为发表的文章

Find articles with these terms

Author affiliation: huawei X  
Advanced search

288 results

Set search alert

Refine by:

Years

2019 (28)  
 2018 (31)  
 2017 (50)  
Show more

Article type

Review articles (4)  
 Research articles (253)  
 Encyclopedia (1)  
 Book chapters (8)  
Show more

Publication title

Computer Networks (20)  
 Computer Communications (19)  
 Information Sciences (11)  
 Optical Fiber Technology (11)  
 Optical Switching and Networking (11)  
 Optics Communications (10)  
 Microelectronics Reliability (9)  
 Future Generation Computer Systems (8)  
 Neurocomputing (8)  
 Pattern Recognition (8)

Download selected articles Export

Research article Full text access  
Energy efficiency of network-coding enabled mobile small cells  
Computer Communications, Volume 121, May 2018, Pages 50-58  
Georgios P. Koudouridis, Henrik Lundqvist, Hong Li, Xavier Gelabert  
Download PDF Abstract Export

Research article Full text access  
Towards service-oriented soft spectrum slicing for 5G TDD networks  
Computer Applications, Volume 137, 1 July 2019, Pages 78-90  
Serdar Samdanis, Vincenzo Sciancalepore  
Export

Research article Full text access  
(Second Edition), Volume 4, 2018, Pages 224-241  
Eric Bernier  
Export

Research article Full text access  
Deep Reinforcement Learning Approach for Network Slicing: A Deep Reinforcement Learning Approach  
Accepted manuscript, Available online 16 May 2019  
Jing Min, Jie Xu, Pengcheng Tang  
Export

在全文中检索

案例2：  
搜索航空材料型号：  
7075-T73511

Find articles with these terms

7075-T73511



Advanced search

28 results

Set search alert

Refine by:

Subscribed journals

Years

2023 (1)

2022 (2)

2021 (1)

Show more

Article type

Review articles (3)

Research articles (13)

Encyclopedia (1)

Book chapters (11)

Table 2. Proposed uses of conventional aerospace aluminium alloys in airframe fabrication [26], [27], [28].

Strength limit	Types of alloy	Applications
Damage tolerant	2024-T351, 2324-T39, 2624-T351, 2624-T39	Lower Side of Wings Cover
Damage tolerant Fuselage/pressure cabin skins	2024-T3, 2524-T3/351	Fuselage along with pressure cabin skins
Medium strength	2024-T62	Tactical aircraft fuselage panels
Medium strength	7050-T7451, 7X75-T7XXX	Internal fuselage structures
High strength	7175-T7351, 7050-T7452	Wing/fuselage attachment
Damage tolerant	2024-T3511, 2026-T3511, 2024-T4312, 6110-T6511	Lower wing stringers Fuselage/pressure cabin stringers
Medium/high strength	<b>7075-T73511</b> , 7075-T79511, 7150-T6511, 7175-T79511, 7055-T77511, 7055-T79511	Fuselage stringers and frames, upper wing stringers, floor beams, seat rails

## 高级检索

www.sciencedirect.com

English



ScienceDirect

ScienceDirect Support Center

Search tips ?

检索小贴士

All Topics Search



Orders &amp; Renewals

## How do I use the advanced search?

## Use Boolean operators to combine multiple terms:

- Boolean operators currently supported include AND, OR, NOT, and the hyphen (or minus symbol)
- Boolean operators must be entered in all uppercase
- The hyphen (or minus symbol) is interpreted as the NOT operator

**For example:** `black -hole` will return results containing 'black', but exclude any instances where 'hole' appears with it.

- Boolean precedence is as follows:
  - NOT
  - AND
  - OR
- Parentheses can be used when nesting clauses so the grouping is clear

**For example:** For `a OR b AND c`, enter `a OR (b AND c)`

- Quotation marks can be used to specify terms which must appear next to each other

**For example:** `("heart attack" OR "myocardial infarction") AND diabetes AND NOT cancer`

支持逻辑运算

ScienceDirect Journals & Books Register Sign in

Find articles with these terms  
heart attack

Advanced search

194,751 results

Download selected articles Export sorted by relevance | date

Research article Full text access  
"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs  
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399  
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger  
Download PDF Abstract Export

Refine by:

Subscribed journals beta

Years

- 2021 (30)
- 2020 (5,086)
- 2019 (7,725)

Show more

Research article Full text access  
Marital history and survival after a heart attack  
Social Science & Medicine, Volume 170, December 2016, Pages 114-123  
Matthew E. Dupre, Alicia Nelson  
Download PDF Abstract Export

ScienceDirect Journals & Books Register Sign in

Find articles with these terms  
"heart attack"

Advanced search

36,149 results

Download selected articles Export sorted by relevance | date

Research article Full text access  
Marital history and survival after a heart attack  
Social Science & Medicine, Volume 170, December 2016, Pages 114-123  
Matthew E. Dupre, Alicia Nelson  
Download PDF Abstract Export

Refine by:

Subscribed journals beta

Years

- 2021 (2)
- 2020 (1,226)
- 2019 (1,904)

Show more

Research article Full text access  
"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs  
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399  
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger  
Download PDF Abstract Export

ScienceDirect Journals & Books Register Sign in

Find articles with these terms

Title, abstract, keywords: "heart attack" X

Advanced search

1,515 results

Download selected articles Export sorted by relevance | date

Research article Full text access  
Association between health insurance status and transfer of patients with return of spontaneous circulation after out-of-hospital cardiac arrest  
Resuscitation, Volume 149, April 2020, Pages 143-149  
Chi Ho Park, Ki Ok Ahn, Sang Do Shin, Jeong Ho Park, Sun Young Lee  
Download PDF Abstract Export

Refine by:

Subscribed journals beta

Years

- 2020 (65)
- 2019 (86)
- 2018 (89)

Research article Full text access  
"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs  
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399  
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger

### Search Tips:

- Quotation marks can be used to specify terms which must appear next to each other
- For example : "Heart attack"

## 高级检索

案例3：  
在标题、文摘、关键词中检索  
"Neural Networks" AND "  
data classification"  
AND NOT "machine  
learning"

All of the fields are optional.  
Find out [more](#) about the new advanced search.

Find articles with these terms

In this journal or book title

Year(s)

Author(s)

Author affiliation


Title, abstract or keywords

在标题、文摘、关键词中检索

"Neural Networks" AND " data classification"  
AND NOT "machine learning"

Article types

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Review articles      | <input type="checkbox"/> Correspondence | <input type="checkbox"/> Patent reports        |
| <input type="checkbox"/> Research articles    | <input type="checkbox"/> Data articles  | <input type="checkbox"/> Practice guidelines   |
| <input type="checkbox"/> Encyclopedia         | <input type="checkbox"/> Discussion     | <input type="checkbox"/> Product reviews       |
| <input type="checkbox"/> Book chapters        | <input type="checkbox"/> Editorials     | <input type="checkbox"/> Replication studies   |
| <input type="checkbox"/> Conference abstracts | <input type="checkbox"/> Errata         | <input type="checkbox"/> Short communications  |
| <input type="checkbox"/> Book reviews         | <input type="checkbox"/> Examinations   | <input type="checkbox"/> Software publications |
| <input type="checkbox"/> Case reports         | <input type="checkbox"/> Mini reviews   | <input type="checkbox"/> Video articles        |
| <input type="checkbox"/> Conference info      | <input type="checkbox"/> News           | <input type="checkbox"/> Other                 |

Search 

## 高级检索

案例2：  
在标题、文摘、关键词中检索"Neural Networks" AND "data classification" AND NOT "machine learning"

The screenshot displays the ScienceDirect search interface. At the top, a search bar contains the query: "Title, abstract, keywords: 'Neural Networks' AND 'data classification' AND NOT...". Below the search bar, the results section shows "105 results" and options to "Download selected articles" and "Export". A "Save search alert" dialog box is open, prompting the user to enter a "Name of search alert\*" (highlighted as "Latest articles of NDM") and select an "Email frequency" (set to "Weekly"). The dialog also includes a "Save" button and a note: "Please note: This alert will be sent to your registered email address".

Find articles with these terms

Title, abstract, keywords: "Neural Networks" AND "data classification" AND NOT... X

Advanced search

105 results

Download selected articles Export

sorted by relevance | date

Set search alert

追踪:

Save search alert X

Name of search alert \*

Latest articles of NDM

Email frequency

Weekly

Please note: This alert will be sent to your registered email address

\* Required field

Save

Refine by:

Years

- 2019 (15)
- 2018 (12)
- 2017 (5)

Show more

Article type

- Review articles (1)
- Research articles (98)
- Book chapters (3)
- Short communications (2)

classification and differential equation solving

reless rough network of neighborhood rough sets

检索语句

## personalized features

ScienceDirect

Journals &amp; Books

Register



Sign in &gt;



Search for peer-reviewed

Keywords

Discover more

 Receive personalized  
recent signed-in a Create publication

Register for personal

Explore scientific



### Sign in to take advantage of the free personalised features

Your free ScienceDirect account will enable you to:

- ✓ Refine search using new filter options
- ↓ Export documents
- PDF Download multiple PDFs
- 🔔 Create publication and search alerts
- 📖 Receive personalised recommendations based on your signed-in activity.

Register &gt;

Sign In &gt;

Pages



Advanced search

cienceDirect

## ScienceDirect 校外远程访问——学号密码

(已开通CARSI高校)

ScienceDirect

Journals &amp; Books

Register

Sign in &gt;



Search for peer-reviewed journals, articles, book chapters and open access content.

Keywords

Author name

Journal/book title

Volume

Issue

Pages



Advanced search

ELSEVIER

Welcome

Enter your email to continue with ScienceDirect

Email

Continue

You can also sign in via your institution, organization or OpenAthens.

ELSEVIER

Find your institution

Enter your email or institution name to continue

Institutional email or name of institution

Continue

登录到 Elsevier

账号

密码

 不保存账号信息 清除历史授权信息

登录

Explore scientific, technical, and medical research on ScienceDirect





文献阅读

7,117,077 results

Set search alert

Refine by:

Years

- 2019 (23,873)
- 2018 (378,429)
- 2017 (349,707)

Show more

Article type

- Review articles (163,940)
- Research articles (5,148,314)
- Encyclopedia (38,037)
- Book chapters (314,673)

Show more

Publication title

- The Lancet (63,089)
- Biochemical and Bio Communications (59,281)

Download selected articles [Export](#)

sorted by *relevance* | *date*

Research article ● Full text access

All boron-based 2D material as anode material in Li-ion batteries

Journal of Energy Chemistry, Volume 27, Issue 6, November 2018, Pages 1651-1654  
Ning Jiang, Biao Li, Fanghua Ning, Dingguo Xia

Download PDF (1,371.000 KB) [Abstract](#) [Export](#)

Research article ● Full text access

Using a material property library to find su  
Powder Technology, Volume 339, November 2018  
M. Sebastian Escotet-Espinoza, Sara Moghtadei

Download PDF (4,351.000 KB) [Abstract](#)

Research article ● Full text access

The Distribution of Material Footprints in C  
Ecological Economics, Volume 153, November 2018  
Frank Pothen, Miguel Angel Tovar Reaños

Download PDF (588.000 KB) [Abstract](#)

Research article ● Full text access

On the material symmetry group for micro  
Mechanics Research Communications, Volume 9  
Victor A. Eremeyev

Download PDF (358.000 KB) [Abstract](#) [Export](#)

文献类型、特点与使用目的



- 综述**  
弄清楚基本的概念
- 专著**  
弄清基本的原理、方法
- 期刊**  
当今研究现状及要解决的问题
- 工具**  
文摘库, 分析工具, 专业工具

## 文献阅读

## Outline

Abstract

Graphical abstract

Keywords

1. Introduction


2. Experimental

3. Results and discussion

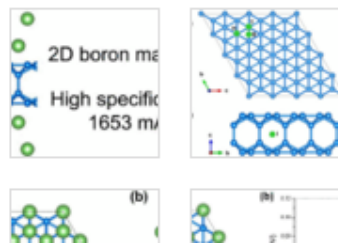
4. Conclusions

Acknowledgments

References

Show full outline 

## Figures (7)



Download PDF

Export



## Journal of Energy Chemistry

2018, Pages 1651-1654



Search Tip : 参考文献值得借鉴

## References

Bierman and Fernandez, 1993 H. Bierman, L. Fernandez

**Game Theory with Economic Applications**

Addison-Wesley, New York (1993)

Clark, 1980 C. Clark

**Restricted access to a common property resource**P. Liu (Ed.), *Dynamic Optimization and Mathematical Economics*, Wiley-Interscience, New York (1980),

pp. 117-132

CrossRef

Engwerda, 2017 J. Engwerda

**Stabilization of an uncertain simple fishery management game**

Fish. Res. (2017)

(Special issue on game theory and fisheries)

Fischer and Mirman, 1992 R. Fischer, L. Mirman

**A strategic dynamic interaction: fish wars**

J. Econ. Dyna. Control, 16 (1992), pp. 267-287

Article  Download PDF  View Record in Scopus

Górniewicz and Wiszniewska-Matyszkiewicz, 2017 O. Górniewicz, A. Wiszniewska-Matyszkiewicz

**Verification and refinement of a two species Fish Wars model**

Fish. Res. (2017)

(Special issue on game theory and fisheries)

Gautepllass and Skonhoff, 2017 A. Gautepllass, A. Skonhoff

**Conflict and cooperation in an age structured fishery**

Get rights and content

...s, the anode materials with high  
In this work, we adopt the first  
ity of a new two dimensional boron  
n batteries. The calculated results  
acity of  $B_G$  is  $1653 \text{ mAh g}^{-1}$  ( $\text{LiB}_{1.5}$ ).

Search ScienceDirect



Advanced

Recommended articles 

First principles study of P-doped borophene ...  
Applied Surface Science, Volume 427, Part B, 20...


 Download PDF  View details

Borophene: A promising anode material offer...  
Nano Energy, Volume 23, 2016, pp. 97-104

 Download PDF  View details

Lithium ion adsorption and diffusion on black ...  
Applied Surface Science, Volume 392, 2017, pp. ...

 Download PDF  View details

1 2 Next 

## Citing articles (0)

Feedback 

## 文献阅读



Download PDF

Export

Search ScienceDirect



Advanced

Outline

Abstract

Graphical abstract

Keywords

1. Introduction

2. Experimental

3.

4.

Ac

Re

Sh

Fi

C

S

F

C

C

C

C

C

C

C

C

C



## Journal of Energy Chemistry

Volume 27, Issue 6, November 2018, Pages 1651-1654



## All boron-based 2D material as anode material in Li-ion



## Journal of Energy Chemistry

SUPPORTS OPEN ACCESS

Articles in press

Latest issue

Special issues

All issues

About the journal &gt;

Set up journal alerts

## Volume 27, Issue 6

Pages 1517-1684 (November 2018)

Download PDFs

Export

Show all article previews

&lt; Previous vol/issue

Next vol/issue &gt;

Search Tip : 同一本期刊的文章值得阅读

Recommended articles

First principles study of P-doped borophene ...  
Applied Surface Science, Volume 427, Part B, 20...

Download PDF View details

Borophene: A promising anode material offer...  
Nano Energy, Volume 23, 2016, pp. 97-104

Download PDF View details

Lithium ion adsorption and diffusion on black ...  
Applied Surface Science, Volume 392, 2017, pp. ...

Download PDF View details

1 2 Next &gt;

Citing articles (0)

Feedback

## 文献阅读



Download PDF

Export



## Journal of Energy Chemistry

Volume 27, Issue 6, November 2018, Pages 1651-1654



## All boron-based 2D material as anode material in Li-ion batteries

Ning Jiang, Biao Li, Fanghua Ning, Dingguo Xia

**Search Tip 3 : 通信作者的文章值得关注**

## Abstract

To design the high-energy-density Li-ion batteries, the anode materials with high specific capacity have attracted much attention. In this work, we adopt the first principles calculations to investigate the possibility of a new two dimensional boron material, named  $B_G$ , as anode material for Li-ion batteries. The calculated results show that the maximum theoretical specific capacity of  $B_G$  is  $1653 \text{ mAh g}^{-1}$  ( $\text{LiB}_{1.5}$ ).

## Outline

Abstract

Graphical abstract

Keywords

1. Introduction

2. Experimental

3. Results and discussion

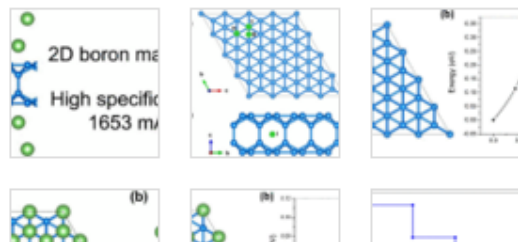
4. Conclusions

Acknowledgments

References

Show full outline

## Figures (7)



## 查看作者文章

Dingguo Xia

[View in Scopus](#)

Corresponding author.

[dgxia@pku.edu.cn](mailto:dgxia@pku.edu.cn)

Beijing Key Lab of Theory and Technology for Advanced Batteries Materials, College of Engineering, Peking University, Beijing 100874, China

## More documents by Dingguo Xia

Provided by Scopus

Sulfuration of Li-Rich Mn-Based Cathode Materials ...

Zhang, K., Qi, J., Song, J., Zuo, Y., Yang, Y., Yang, T., ...

[View details](#)

Systematic density functional theory investigations ...

Chen, Y., Xia, D.

[View details](#)

Sub-2 nm Ultrasmall High-Entropy Alloy Nanoparti...

Feng, G., Ning, F., Song, J., Shang, H., Zhang, K., Di...

[View details](#)

# 作者档案



Search Sources Lists SciVal

This author profile is generated by Scopus [Learn more](#)

## Xia, Ding-Guo

[Peking University, Beijing, China](#) [Show all author info](#)

[SC 7102543935](#) [Connect to ORCID](#)

[Edit profile](#) [Set alert](#) [Potential author matches](#)

[Export all](#) [Add all to list](#)

Article  
A metal-organic framework route to in situ encapsulation of Co@Co<sub>3</sub>O<sub>4</sub>@C core@shell nanoparticles into a highly ordered porous carbon matrix for oxygen reduction

Xia, W., Zou, R., An, L., Xia, D., Guo, S.  
*Energy and Environmental Science*, 2015, 8(2), pp. 568–576

[Show abstract](#) [SFX](#) [View at Publisher](#) [Related documents](#)

Article  
Well-defined carbon polyhedrons prepared from nano metal-organic frameworks for oxygen reduction

Xia, W., Zhu, J., Guo, W., ...Xia, D., Zou, R.  
*Journal of Materials Chemistry A*, 2014, 2(30), pp. 11606–11613

[Show abstract](#) [SFX](#) [View at Publisher](#) [Related documents](#)

Review  
Atomically Dispersed Metal Sites in MOF-Based Materials for Electrocatalytic and Photocatalytic Energy Conversion

Liang, Z., Qu, C., Xia, D., Zou, R., Xu, Q.  
*Angewandte Chemie - International Edition*, 2018, 57(31), pp. 9604–9633

[Show abstract](#) [SFX](#) [View at Publisher](#) [Related documents](#)

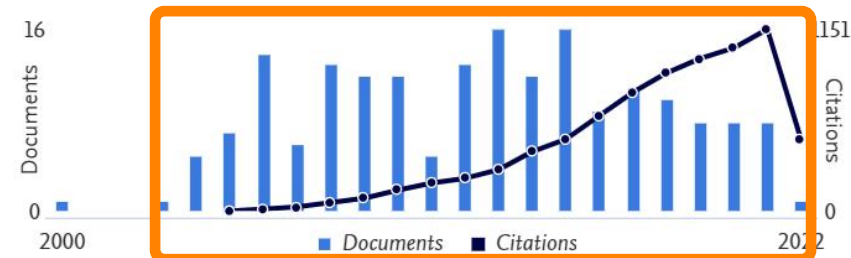
### Metrics overview

188  
Documents by author

7612  
Citations by 6657 documents

49  
h-index: [View h-graph](#)

### Document & citation trends



[Analyze author output](#) [Citation overview](#)

### Most contributed Topics 2016–2020

Lithium-ion Batteries; Electrode; Electrochemical Properties  
[14 documents](#)

Zinc Air Batteries; Electrocatalysts; Catalyst  
[7 documents](#)

Lithium Battery; Carbon; Electrode  
[3 documents](#)

[View all Topics](#)

## 文献阅读



Download PDF

Export

Search ScienceDirect



Advanced

## Outline

Abstract

Graphical abstract

Keywords

1. Introduction

2. Experimental

3. Results and discussion

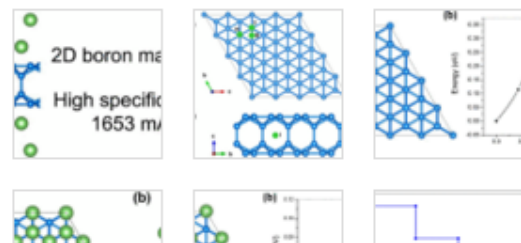
4. Conclusions

Acknowledgments

References

Show full outline

## Figures (7)



## Journal of Energy Chemistry

Volume 27, Issue 6, November 2018, Pages 1651-1654



## All boron-based 2D material as anode material in Li-ion batteries

Ning Jiang, Biao Li, Fanghua Ning, Dingguo Xia

Show more

<https://doi.org/10.1016/j.jechem.2018.01.026>

Get rights and content

## Abstract

To design the high-energy-density Li-ion batteries, the anode materials with high specific capacity have attracted much attention. In this work, we adopt the first principles calculations to investigate the possibility of a new two dimensional boron material, named  $B_G$ , as anode material for Li-ion batteries. The calculated results show that the maximum theoretical specific capacity of  $B_G$  is  $1653 \text{ mAh g}^{-1}$  ( $\text{LiB}_{1.5}$ ).

## Recommended articles

First principles study of P-doped borophene ...  
Applied Surface Science, Volume 427, Part B, 20...

Download PDF View details

Borophene: A promising anode material offer...  
Nano Energy, Volume 23, 2016, pp. 97-104

Download PDF View details

Lithium ion adsorption and diffusion on black ...  
Applied Surface Science, Volume 392, 2017, pp. ...

Download PDF View details

1 2 Next

## Citing articles (4)

查看被引情况

A review of graphene-based 3D van der Waals h...  
2019, Nano Today

Download PDF View details

2D titanium carbide (MXene) electrodes with lo...  
2019, Journal of Energy Chemistry

Download PDF View details





Search for peer-reviewed journals, articles, book chapters and open access content.

## Explore scientific, technical, and medical research on ScienceDirect

[Physical Sciences and Engineering](#)
[Life Sciences](#)
[Health Sciences](#)
[Social Sciences and Humanities](#)

### Physical Sciences and Engineering

- [Chemical Engineering](#)
- [Chemistry](#)
- [Computer Science](#)
- [Earth and Planetary Sciences](#)
- [Energy](#)
- [Engineering](#)
- [Materials Science](#)
- [Mathematics](#)
- [Physics and Astronomy](#)

From foundational science to new and novel research, discover our large collection of Physical Sciences and Engineering publications, covering a range of disciplines, from the theoretical to the applied.

#### Popular Articles

[School performance, social networking effects, and learning of school children: Evidence of reciprocal relationships in Abu ...](#)  
 Telematics and Informatics, Volume 34, Issue 8

[Aluminium in brain tissue in](#)

#### Recent Publications

[Chinese Journal of Analytical Chemistry](#)  
 Volume 46, Issue 10

[Energy Procedia](#)  
 Volume 150

[Comptes Rendus Mathematique](#)  
 Volume 356, Issue 10

选择期刊/图书

选择学科

选择子学科

Refine publications by

Domain

Materials Science



Subdomain

Biomaterials

Ceramics and Composites

Electronic, Optical and Magnetic  
Materials

Materials Chemistry

Materials Science (General)

Metals and Alloys

Nanotechnology

Polymers and Plastics

Surfaces, Coatings and Films

Showing 140.000 publications

出版物列表

Search for journal or book title



Q Are you looking for a specific article or book chapter? Search on ScienceDirect

A

Acta Materialia

Journal • Contains open access

Acta Metallurgica

Journal • Contains open access

Acta Metallurgica et Materialia

Journal • Contains open access

Acta Metallurgica Sinica (English Letters)

Journal

Additive Manufacturing of Titanium Alloys

Book • 2016

Advances in Metal-Organic Chemistry

Book series

Advances in Steel Structures (ICASS '96)

Book • 1996

选择具体期刊

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R

## 投稿指南

## 期刊主页

Latest issue  
All issues  
Articles in press  
Article collections  
Mendeley datasets  
Set up journal alerts  
RSS

查看各期内容/  
设置期刊提醒

The screenshot shows the journal's homepage with several key elements highlighted by orange boxes and arrows:

- Journal Cover:** Applied Energy journal cover with the text "Supports open access".
- Navigation Menu:** "Articles & Issues", "About", and "Publish" dropdown menus.
- Search Bar:** "Search in this journal" with a magnifying glass icon.
- Submit your article:** A box containing "Submit your article", "Guide for Authors", and "Open Access options".
- 投稿信息和作者指南:** A box containing "Submit your article" and "Guide for authors" with external link icons.
- 期刊指标:** A box containing "16.4 CiteScore" and "8.848 Impact Factor".

## 期刊指标

16.4 CiteScore	8.848 Impact Factor
-------------------	------------------------

投稿信息和  
作者指南

期刊定位和  
编委信息

## About the journal

*Applied Energy* provides a forum for information on innovation, research, development and demonstration in the areas of **energy conversion and conservation**, the optimal use of **energy resources**, analysis and optimization of **energy processes**, mitigation of **environmental pollutants**, and **sustainable energy systems**. The journal publishes original papers, review articles, technical notes, and letters to the **editor**. Authors are encouraged to **submit** manuscripts which bridge the gaps between research, development and implementation. The breadth of coverage ranges from innovative technologies and systems of both fossil and renewable energy to the economic industrial and domestic use of energy with no or minor impact on the environment. *Applied Energy* is also concerned with the attendant problems of modeling and forecasting, conservation strategies, and the environmental, social and economic impacts of energy policies and usage, including climate change mitigation and other environmental pollution reduction.

*Applied Energy* is the companion title to the open access journal [Advances in Applied Energy](#)

**Benefits to authors**

We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our [author services](#).

Please see our [Guide for Authors](#) for information on article submission. If you require any further information or help, please visit our [Support Center](#)

## 投稿指南

## Guide for Authors

**Highlights**

Highlights are mandatory for this journal as they help increase the discoverability of your article via search engines. They consist of a short collection of bullet points that capture the novel results of your research as well as new methods that were used during the study (if any). Please have a look at the examples here: [example Highlights](#).

Highlights should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

**Abstract**

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

**Graphical abstract**

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. You can view [Example Graphical Abstracts](#) on our information site.

**Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

**Author contributions**

For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. [More details and an example](#).

**Changes to authorship**

Authors are expected to consider carefully the list and order of authors **before** submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only **before** the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the **corresponding author**: (a) the reason for the change in author list and (b) written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors **after** the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended. If the manuscript has already been published in an online issue, any requests approved by the Editor will result in a corrigendum.

**Cover letter**

Submission of a manuscript must be accompanied by a cover letter that addresses the following questions: What is the novelty of this work? Is the paper appealing to a popular or scientific audience? Why the authors think the paper is important and why the journal should publish it? Has the article been checked by a native tongue speaker with expertise in the field? Are you available as a reviewer for at least three other articles for Applied Energy during the current year? In addition to answering those five questions, the authors should also describe in one or two paragraphs the significance of their work and what new information is described in the manuscript.

期刊主页

选择期刊/图书

Applied Energy | Supports open access

Submit your article ↗

Articles & Issues ▾ About ▾ Publish ▾ Search in this journal

Guide for authors ↗

3.5 weeks  
Time to First Decision

4.7 weeks  
Review Time

> View all metrics

Co Editors-in-Chief | [View full Editorial Board](#)



**Jianzhong Wu, PhD**  
Cardiff University School of Engineering, Cardiff, United Kingdom



**Zita Vale, PhD, Agregação (Habilitation)**  
Polytechnic Institute of Porto School of Engineering, Porto, Portugal

Articles

Articles in press Latest published Top cited Most downloaded

待刊论文/最新论文/被引较高论文/最多下载论文

Research article ● Open access

Exploring the role of forest biomass in abating fossil CO<sub>2</sub> emissions in the iron and steel industry – The case of Sweden

> More articles in press

Review article ● Open access

A comprehensive review on sub-zero temperature cold thermal energy storage materials, technologies, and applications:

Research article ● Full text access

Enabling low-voltage, peer-to-peer, quasi-real-time electricity markets through consortium blockchains

# https://journalfinder.elsevier.com/

Paper title

**Data modeling for quality prediction using improved orthogonal incremental random vector functional-link networks**

Paper abstract

**Innumerable complex industrial processes, such as blast furnace (BF) ironmaking process, greatly rely on some well-performing quality models to realize prediction and control of product quality. This paper proposes an improved orthogonal incremental random vector functional-link networks (I-OI-RVFLNs) algorithm with compact structure and high computational efficiency and applies it to quality modeling of BF ironmaking process.**

Optional: refine your search by selecting up to three research fields


- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Agriculture <a href="#">↗</a> | <input type="checkbox"/> Economics <a href="#">↗</a>           | <input type="checkbox"/> Materials Science and Engineering <a href="#">↗</a> |
| <input type="checkbox"/> GeoSciences <a href="#">↗</a> | <input type="checkbox"/> Humanities and Arts <a href="#">↗</a> | <input type="checkbox"/> Life and Health Sciences <a href="#">↗</a>          |
| <input type="checkbox"/> Mathematics <a href="#">↗</a> | <input type="checkbox"/> Physics <a href="#">↗</a>             | <input type="checkbox"/> Social Sciences <a href="#">↗</a>                   |
| <input type="checkbox"/> Chemistry <a href="#">↗</a>   |  |  |

Filter

- Limit to journals with Open access options

**FIND JOURNAL**

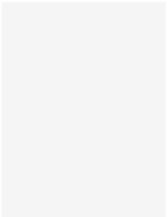
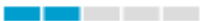

<https://journalfinder.elsevier.com/>




Showing 49 journals matching your paper Sort by: Best match 

---

### Control Engineering Practice

**OA** **S** ISSN: 0967-0661

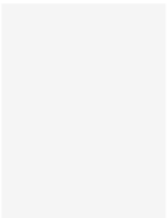


 Text match score  




CiteScore	Impact Factor	Acceptance rate	Time to 1st decision	Time to publication
3.98 	3.232 	20% 	7 weeks	3 weeks

---

### Engineering Applications of Artificial Intelligence

**OA** **S** ISSN: 0952-1976

 Text match score  

CiteScore	Impact Factor	Acceptance rate	Time to 1st decision	Time to publication
4.58 	3.526 	7% 	7 weeks	4 weeks

# Preparing your manuscript – the Guide for Authors

- Find title on the journal homepage of the publisher
- In your manuscript follow to the **Guide for Authors**



ISSN: 2213-3437

Submit Your Paper



Supports Open Access

View Articles

Guide for Authors



## Journal of Environmental Chemical Engineering

Editors: [Guilherme Luiz Dotto](#), [Despo Fatta-Kassinos](#), [Yunho Lee](#), [Teik-Thye Lim](#)

[View Editorial Board](#)

The *Journal of Environmental Chemical Engineering* (JECE) publishes full length original research papers, short communications, review papers, perspectives and letters to the Editor. Papers are welcome which apply chemical engineering principles to understand important environmental processes or that...

[Read more](#)

[Most Downloaded](#) [Recent Articles](#) [Most Cited](#) [Open Access Articles](#)

[ASPEN PLUS simulation model for CO<sub>2</sub> removal with MEA: Validation of desorption model with experimental data](#) [Monica Garcia](#) | [Hanna K. Knuutila](#) | ...

### Journal Metrics

CiteScore: **6.22**

[More about CiteScore](#)

Impact Factor: **6.395**

5-Year Impact Factor: **6.117**

Source Normalized Impact per Paper (SNIP): **1.483**

SCImago Journal Rank (SJR): **1.945**

[View More on Journal Insights](#)

### Article Enrichments

[AudioSlides](#)

[Interactive Plot Viewer](#)

### Related Links

[Author Stats](#)

[Publishing Campus](#)

[Author Services](#)





## Author Main Menu

For additional help with your submission, please click [here](#) for the Author Tutorial.

### New Submissions

[Submit New Manuscript](#)

Submissions Sent Back to Author (0)

Incomplete Submissions (0)

Submissions Waiting for Author's Approval (0)

Submissions Being Processed (0)

### Revisions

Submissions Needing Revision (0)

Revisions Sent Back to Author (0)

Incomplete Submissions Being Revised (0)

Revisions Waiting for Author's Approval (0)

[Revisions Being Processed](#) (1)

Declined Revisions (0)

### Completed

Submissions with a Decision (0)

## 投稿系统

## Measurement

em Editorial  
Manager[HOME](#) • [LOGOUT](#) • [HELP](#) • [REGISTER](#) • [UPDATE MY INFORMATION](#) • [JOURNAL OVERVIEW](#)  
[MAIN MENU](#) • [CONTACT US](#) • [SUBMIT A MANUSCRIPT](#) • [INSTRUCTIONS FOR AUTHORS](#) • [PRIVACY](#)

Role: Author

Username: HLI-480

Article Type  
Selection

Attach Files

General  
InformationReview  
PreferencesAdditional  
Information

Comments

Manuscript  
Data

**Declaration of Interest statement**  
*All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work or state if there are no interests to declare. Please complete and upload the [Declaration of Interest template](#) Please provide a single file containing your manuscript now. Data included in your manuscript may be used to populate information for you later in the submission process. Please note that if you upload a Word file, then metadata such as title, abstract, author list, and references can be automatically extracted from the file. If you upload any other file type, you will need to enter those details manually.*

[Insert Special Character](#)

Browse...

OR

Drag & Drop  
Files Here[← Back](#)[Proceed →](#)



7 hrs/week  
average time  
spent on literature

- The volume of research articles is growing at an accelerated pace
- Your job: make sure your research doesn't fall through the cracks!

## Claudia Willmes

*Trends in Molecular Medicine*编辑

如何将你的论文发表在正确的期刊上，其实最重要的方法就是**读、读、读。**这不仅对于选择期刊很重要，也可以在其他方面你想象不到的地方帮到你。当你阅读一本期刊，你就会知道它涵盖的话题有哪些，论文的结构通常是怎样的，这将会帮助你了解你想把论文发表在哪个栏目，以及如何设定论文的结构。最后，可能你还要考虑如何做更多的实验来巩固你的结论。

## Julie Sollier

*Developmental Cell*主编

在选择期刊时，我通常会看到一下每本目标期刊的目录，这样就可以了解在过去6个月内这本期刊所发表的论文类型。

你还可以做的事情就是，找一位不在你的研究领域工作的同事，请他来读一下你的论文并指出其中最重要的观点。这时候你就可以问这个问题：“谁对这个观点最感兴趣？”之后你就可以找到正确的期刊了。



# Unlock your research potential

Research cycle

Content library

## RESEARCH PREPARATION

- > Funding
- > Research data management

## WRITING FOR RESEARCH

- > Fundamentals of manuscript preparation
- > Writing skills
- > Technical writing skills
- > Book writing

## PUBLICATION PROCESS

- > Fundamentals of publishing
- > Finding the right journal
- > Ethics
- > Open science
- > Publishing in the Chemical Sciences

## NAVIGATING PEER REVIEW

- > Fundamentals of peer review
- > Becoming a peer reviewer
- > Going through peer review

## COMMUNICATING YOUR RESEARCH

- > Social impact
- > Ensuring visibility

<https://researcheracademy.elsevier.com/>

# 感谢您的支持，爱思唯尔将持续为您服务



爱思唯尔Elsevier

引领科学，技术，医疗的创新发展之路

如果学校访问出现问题，可以通过如下方式获取爱思唯尔在线技术支持。

- 在线聊天及问题反馈表单：[Link 联系 - ScienceDirect 支持中心 \(elsevier.com\)](#)
- 邮件（支持中文）：[support.china@elsevier.com](mailto:support.china@elsevier.com)
- 电话（支持中文）：4008426973（周一至周五，9:00-18:00中文支持）

如遇到问题，可以直接联系人工客服

- 邮件（支持中文）：[support.china@elsevier.com](mailto:support.china@elsevier.com)
- 电话（支持中文）：4008426973

# 感谢老师们在DRAA网站提交回执

## DRAA确认回执步骤- 以SD为例

### 步骤1:

- 点击如下链接，进入DRAA-SD 组团页面：
- <http://www.libconsortia.edu.cn/Acquisition/viewAcqinfo.action?id=d725edcc-2e28-444c-b3a2-ce4bd098b1dc&rd=0.032214616730271595>

### 步骤2:

- 点击"填写回执"填写完成后提交。（注：如暂不确定代理商选请选择空白）

点击“填写回执”



首页 资源百科 **集团采购** 采购方案 使用统计 评价中心 标准规范 信息下载 培训中心 关于联盟

集团采购 集团试用 其他通知

首页 > 集团采购 > 组团信息

### Elsevier ScienceDirect数据库订购通知 (2022.01.01 - 2024.12.31)

组团数据库:	Elsevier ScienceDirect(百科)	内容列表	使用统计	ScienceDirect
集团采购方案:	2022-Elsevier ScienceDirect数据库DRAA集团采购方案(2022.01.01 - 2024.12.31)			
组团年:	2022	代理商列表:		
牵头馆:	北京大学	中国图书进出口(集团)有限公司		
谈判组成员:		中国教育图书进出口有限公司		
北京大学:	别立谦(副馆长)	北京中科进出口有限责任公司		
天津大学:	牛书东(副馆长)	中国科技资料进出口有限责任公司		
中国农业大学:	徐伟(副馆长)	中国国际图书贸易集团有限公司		
哈尔滨工业大学:	王晓丹(副馆长)			
吉林大学:	田丹(副馆长)			
兰州大学:	宋戈(副馆长)			
上海交通大学:	郭晶(副馆长)			
浙江大学:	张军(资源建设总监)			
南开大学:	李力文(副馆长)			
大连理工大学:	王红(副馆长)			

评估报告:

订购方案: [ScienceDirect数据库DRAA集团采购方案 \(2022.1.1-2024.12.31\)-Final.pdf](#)  
根据DRAA理事会第十五次会议决议: 从2018年6月10日起, 仅提供给填写在线回执的成员馆和牵头馆"下载"签字备案方案的权限。如厂商有存档需求, 请联系DRAA秘书处提供签字方案电子版(不含谈判组签字页)。

使用指南:

用户数: 360      回执数: 120

**填写回执**      回执截止时间: 2024-12-31

申请试用      试用期限: 3个月

Elsevier ScienceDirect数据库订购通知 (2022.01.01 - 2024.12.31)

# 感谢老师们在DRAA网站提交回执

选择回执“Elsevier ScienceDirect数据库订购通知（2022.01.01 - 2024.12.31）”

## 步骤3：

- 主管馆长或采购联系人登录“我的DRAA”
- 在“集团采购”菜单下“购买回执审核”选择“Elsevier ScienceDirect数据库订购通知（2022.01.01 - 2024.12.31）”回执，
- 点击列表下方按钮“审核通过”后系统将自动发回执提醒给数据库商和牵头馆。
- 如果已经提交2022年1-12月回执，请选择2023年1-12月年度

**集团采购**

### 审核订购回执

个人中心

集团采购

- 本馆的试用
- 本馆的试用回执
- 试用回执审核
- 本馆的试用反馈
- 本馆的团购
- 本馆的购买回执
- 购买回执审核**

购买回执审核列表

订购名:  组别:  审核状态:

订购名	数据库商	订购馆	是否上传了购买回执	审核状态
<input checked="" type="radio"/> Elsevier ScienceDirect数据库订购通知 (2022.01.01 - 2024.12.31)	荷兰Elsevier公司	深圳大学	否	未审核
<input type="radio"/> ABI/INFORM Collection数据库续订/订购通知(2021.4.1-2023.3.31)	美国ProQuest公司	深圳大学	否	审核通过
<input type="radio"/> ENDNOTE单机版订购/续订通知 (2021年)	美国Clarivate Analytics公司	深圳大学	否	审核通过

修改 审核通过 正在处理 审核不通过 上传纸质回执

进入“我的DRAA” — “集团采购”菜单 — “购买回执审核”列表中选择需要审核的购买回执，拉到列表最下方点击“审核通过”按钮。

- ◆ 由机构采购联系人或主管馆长审核（身份必须为采购联系人）
- ◆ 审核通过后，购买回执发送给牵头馆和数据库商，并且系统会自动发送邮件，通知牵头馆和数据库商。