



ELSEVIER

指引科学的方向

—— 巧用ScienceDirect助力高效科研

吴宇扬

Elsevier Customer Success Consultant, A&G

y.wu@elsevier.com



Agenda

- ScienceDirect平台资源简介
- 英文文献检索和阅读攻略技巧分享
- 大数据视角选题投稿选刊技巧分享
- Q&A



如何高效获取科研信息：

- 我在哪里可以找到全球范围内相关且高质量的学术资源？
- 我该如何追踪科研热点？
- 哪些期刊和我的研究方向所匹配？

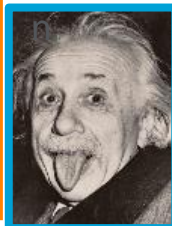
Who is Elsevier?

What is ScienceDirect ?

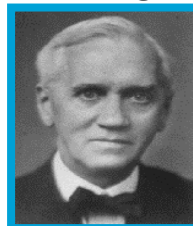


ELSEVIER

Albert
Einstein



Alexander
Fleming



Chen-Ning
Yang



Richard
Feynman



Paul
Samuels



John
Nash



1638

1997

1580 1620 1880 1930 1940 1947 1970 1991 1993 2001 2004 2008 2012 2013 2015

TODAY!



Elseviers' Print Shop



ELSEVIER



1880



ScienceDirect



2650余种数字期刊



全球超过2,5000家
科研和政府机构用户



日均60万人次使用
ScienceDirect平台

Filter by subject

☐ ☐ Physical Sciences and Engineering

☐ ☐ Life Sciences

☐ ☐ Health Sciences

☐ ☐ Social Sciences and Humanities

自然科学与工程

- 化学工程学
- 化学
- 计算机科学
- 地球和行星学
- 能源和动力
- 工程与技术
- 材料科学
- 数学
- 物理学和天文学

生命科学

- 农业和生物学
- 生物化学/遗传学/分子生物学
- 环境科学
- 免疫学和微生物学
- 神经科学

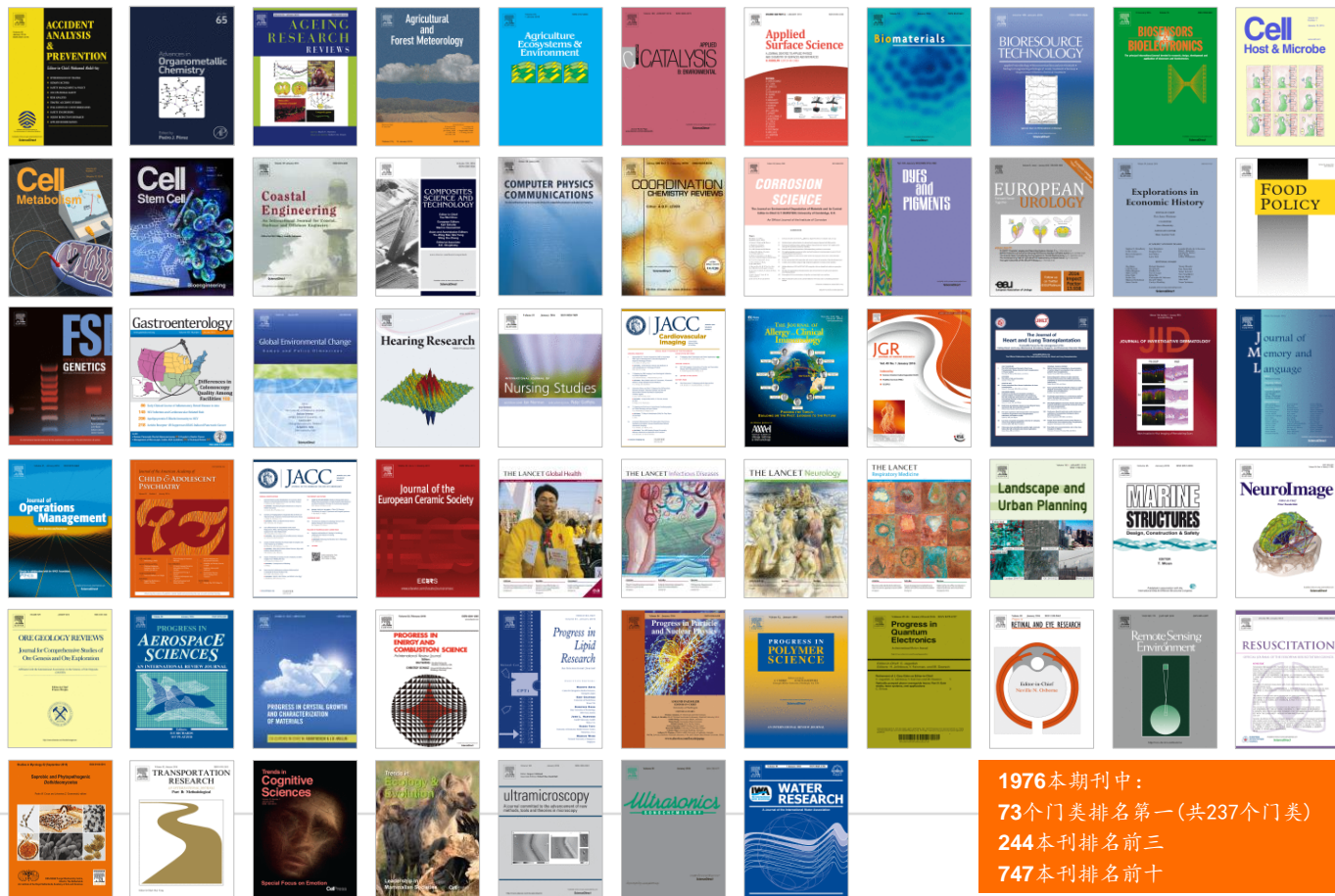
健康科学（医学）

- 医科和牙科
- 护理与卫生保健
- 药理学/毒理学/制药科学
- 兽医学

社会和人文科学

- 艺术与人文
- 商业/管理/会计学
- 决策科学
- 经济学/计量经济学/金融
- 心理学
- 社会科学

ScienceDirect期刊在多个学科领域中排名第一



1976本期刊中：
73个门类排名第一(共237个门类)
244本刊排名前三
747本刊排名前十

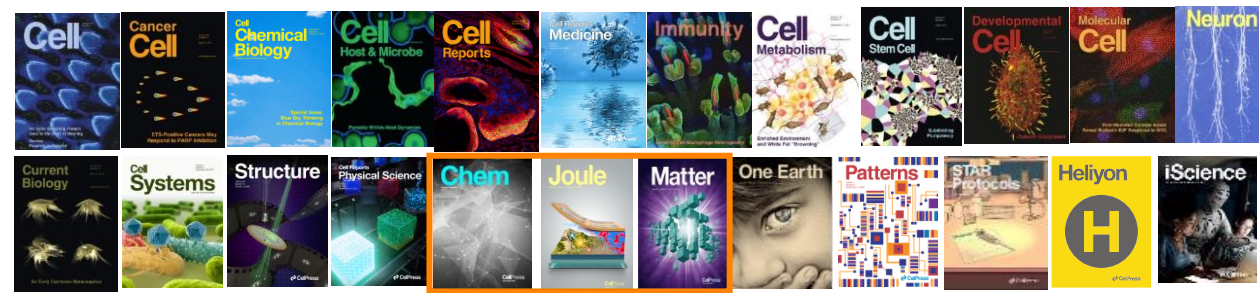
• 来源: 2022年 JCR 期刊引证报告

Elsevier/ScienceDirect



Cell Press 细胞科学

Research Journals
研究类期刊



Trends Reviews Journals
综述类期刊



Partner Journals
学会合作期刊

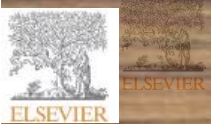
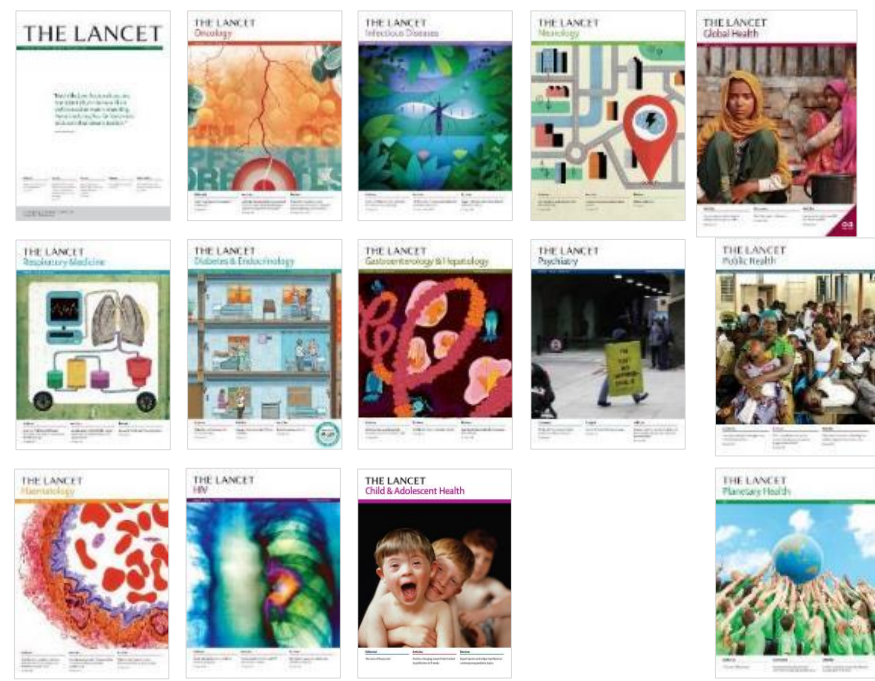


Elsevier/ScienceDirect



THE LANCET
The best science for better lives

柳叶刀



Agenda

- ScienceDirect平台资源简介
- 英文文献检索和阅读攻略技巧分享
- 大数据视角选题投稿选刊技巧分享
- Q&A

如何访问ScienceDirect?

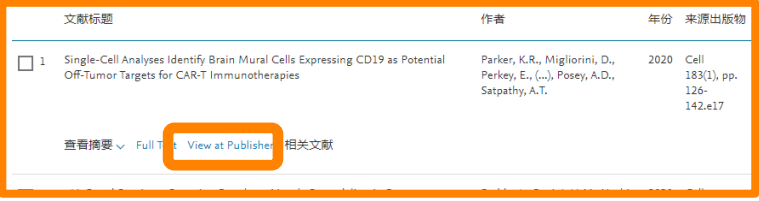
图书馆主页



搜索引擎



引文文献库，如Scopus



直接输入官网网址

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



浏览ScienceDirect平台上的出版物



ScienceDirect®

Journals & Books



Young (Yan) Wu

YW

Search for peer-reviewed journal articles and book chapters (including [open access](#) content)

Find articles with these terms

In this journal or book title

Author(s)

Search

[Advanced search](#)

STORIES BEHIND THE FACTS

Confidence in Research



See personal stories from the global research community on misinformation, public exposure, online abuse and other key issues.

[Explore stories](#)



ELSEVIER

查找相关研究领域期刊

ScienceDirect

1 Journals & Books

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

Keywords Author name Journal/book title Volume Issue Pages

期刊/图书列表

根据领域和主题
筛选期刊/图书

筛选文献类型

筛选文献访问方式

Domain

Subdomain

Publication type

☐ Journals

☐ Books

☐ Handbooks

☐ Reference works

☐ Book series

Journal status

☐ Accepts submissions

Access type

☐ Subscribed & complimentary

☐ Open access

☐ Contains open access

2

出版物列表

选择图书/期刊

AASRI Procedia
Journal • Open access

Ab Initio Valence Calculations in Chemistry
Book • 1974

Abatement of Environmental Pollutants
Trends and Strategies
Book • 2019

Abbreviated Guide
Pneumatic Conveying Design Guide
Book • 1990

ABC Proteins
From Bacteria to Man
Book • 2003

Abelian Groups (Third Edition)
Book • 1960

Abeloff's Clinical Oncology (Fifth Edition)
Book • 2014

Abeloff's Clinical Oncology (Sixth Edition)
Book • 2020

Abernathy's Surgical Secrets (Sixth Edition)
Book • 2009

Abernathy's Surgical Secrets (Seventh Edition)
Book • 2017

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

ScienceDirect学科分类

4 个领域
24 个主题分类
240 个学科方向

Filter by subject

- ☐ **Physical Sciences and Engineering**
- ☐ **Life Sciences**
- ☐ **Health Sciences**
- ☐ **Social Sciences and Humanities**



Domain: **Medicine and Dentistry** ▼

Subdomain: ▲

All subdomains

- Anesthesiology and Pain Medicine
- Cardiology and Cardiovascular Medicine
- Clinical Neurology
- Complementary and Alternative Medicine
- Critical Care and Intensive Care Medicine
- Dentistry, Oral Surgery and Medicine
- Dermatology
- Emergency Medicine
- Endocrinology, Diabetes and Metabolism
- Forensic Medicine
- Gastroenterology
- Geriatrics and Gerontology

Health Informatics

Hematology

Hepatology

Immunology, Allergy and Rheumatology

Infectious Diseases

Medicine and Dentistry (General)

Nephrology

Obstetrics, Gynecology and Women's Health

Oncology

Ophthalmology

Orthopedics, Sports Medicine and Rehabilitation

Otorhinolaryngology and Facial Plastic Surgery

Pathology and Medical Technology

Perinatology, Pediatrics and Child Health

Psychiatry and Mental Health

Public Health and Health Policy

Pulmonary and Respiratory Medicine

Radiology and Imaging

Surgery

Transplantation

Urology

Domain: **Computer Science** ▼

Subdomain: ▲

All subdomains

- Artificial Intelligence
- Computational Theory and Mathematics
- Computer Graphics and Computer-Aided Design
- Computer Networks and Communications
- Computer Science (General)
- Computer Science Applications
- Computer Vision and Pattern Recognition
- Hardware and Architecture
- Human-Computer Interaction
- Information Systems
- Signal Processing
- Software

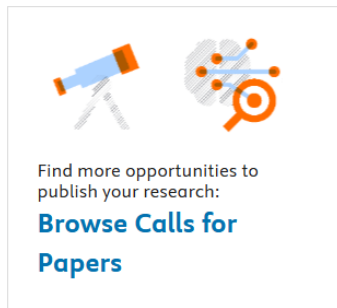
Domain: **Social Sciences** ▼

Subdomain: ▲

All subdomains

- Archaeology
- Development
- Education
- Geography, Planning and Development
- Health
- Human Factors and Ergonomics
- Law
- Library and Information Sciences
- Linguistics and Language
- Safety Research
- Social Sciences (General)
- Sociology and Political Science
- Transportation

ScienceDirect如何查找领域相关的期刊？——以金融学为例



Showing 56 journals

Filter by journal or book title

搜索期刊名称

Are you looking for a specific article or book chapter? Use [advanced search](#).

Are you looking for a journal to publish your research? [Select journals to compare](#).

出版物列表

Refine publications by

Select subject area

Economics, Econometrics and Fir



Select secondary subject area

Finance



Publication type

☒ Journals

☐ Books

☐ Textbooks

☐ ...

选择学科

选择子学科

选择出版类型



A
[Accounting Theory and Practice](#)

Journal • *Open access*

B

[Borsa Istanbul Review](#)

Journal • *Open access*

C

[China Economic Review](#)

Journal • *Contains open access*

选择具体期刊

A
B
C
D
E
F
G
H
I
J
K
L
M
N

如何判断期刊情况？——期刊主页



ScienceDirect

Journals & Books



Young (Yan) Wu



Finance Research Letters

Supports open access

期刊影响因子

10.8

CiteScore

10.4

Impact Factor

Articles & Issues ▾

About ▾

了解期刊收稿范围与编辑成员

Submit your article ↗

Guide for authors

官网投稿渠道

所有你想知道的细节都在这里！

About the journal

Finance Research Letters invites submissions in all areas of finance, broadly defined. *Finance Research Letters* offers and ensures the rapid publication of important new results in these areas. We aim to provide a rapid response to papers, with all papers undergoing a desk review by one of the ...

[View full aims & scope](#)

40 days

Review time

72 days

Submission to acceptance

4 days

Acceptance to publication



View all insights

FEEDBACK



设置期刊提醒



ScienceDirect®

Journals & Books

Help

Search

Young (Yan) ...

Elsevier - Demonstrat...



Finance Research Letters

Supports open access

11.1
CiteScore

7.4
Impact Factor

Articles & Issues

About

Publish

Order journal

Search in this journal

Submit your article

Guide for authors

Latest issue

All issues

Articles in press

Special issues and article collections

Linked datasets

Set up journal alerts

RSS

...ites submissions in all areas of finance, broadly defined. *Finance Research Letters* offers and ensures the rapid publication of
...ese areas. We aim to provide a rapid response to papers, with all papers undergoing a desk review by one of the ...

Access GenAI



如何判断期刊情况？——Scopus数据库来源出版物列表

来源出版物

学科类别

▼ 输入学科类别

学科: Energy x

出版商: Elsevier x

CiteScore 2023 has been released. [查看 CiteScore 方法。](#) >

过滤器优化列表

应用

清除筛选器

显示选项

☐ 仅显示公开访问期刊

4 年时间段内的次数

☒ 未选择最少数量

☐ 最少引文

☐ 最少文献

Citescore 最高千分位数

☐ 仅显示前 10% 的标题

☐ 第一四分之一

☐ 第二四分之一

100 个结果

[下载 Scopus 来源出版物列表](#) [详细了解 Scopus 来源出版物列表](#)

☐ 全部 ▼

[导出为 Excel](#)

[保存至来源出版物列表](#)

查看如下年份的度量标准:

2023

来源出版物名称 ↓

CiteScore ↓

最高百分位数 ↓

引文
2020-23 ↓

文献
2020-23 ↓

被引用比率 ↓

☐ 1 Progress in Energy and Combustion Science

59.3

99%

7,536

127

98

[Entitled Full Text](#) [Copac](#)

1/273
General Chemical
Engineering

☐ 2 Joule

53.1

99%

35,603

670

92

[Entitled Full Text](#) [Copac](#)

1/73
General Energy

方法: www.scopus.com 查看期刊排名 (非订阅版) / 数据库右上角 “Sources” (订阅版) —— 选择出版商和学科 —— CiteScore 从大到小排列

ScienceDirect文献检索——基础检索



ScienceDirect

Journals & Books



Young (Yan) Wu



Search for peer-reviewed journal articles and book chapters (including open access content)

Find articles with these terms

In this journal or book title

Author(s)

Search

Advanced search

关键词

期刊/电子书标题

作者

**STORIES BEHIND
THE FACTS**

Confidence in Research



See personal stories from the global research community on misinformation, public exposure, online abuse and other key issues.

Explore stories



ELSEVIER

ScienceDirect文献检索——高级检索

Find articles with these terms

期刊/电子书

In this journal or book title

Year(s)

出版年

作者

Author(s)

Author affiliation

作者归属机构

卷

Volume(s)

Issue(s)

期

Page(s)

页码

标题、摘要、关键词

Title, abstract or author-specified keywords

Title

标题

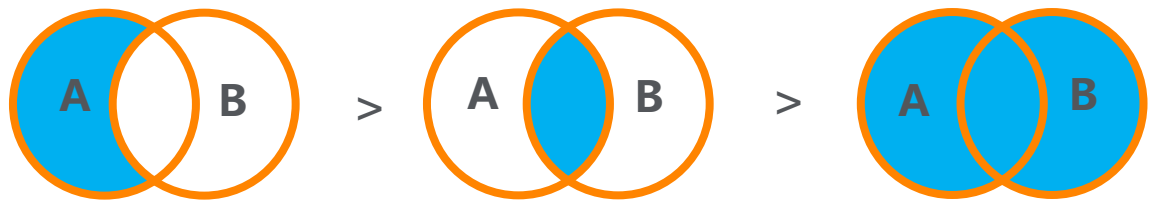
参考文献

References



ISSN or ISBN

ScienceDirect文献检索——布尔逻辑运算符



运算符/通配符	检索规则	举例
NOT、AND、OR	需要大写	
()	更改逻辑运算顺序	(a OR b) AND (c OR d)
“ ”	明确必须关联的术语	“heart attack”

Find articles with these terms

economic growth


896,802 results

 Set search alert

Refine by:


Years

- ☐ 2025 (71)
- ☐ 2024 (48,840)
- ☐ 2023 (76,491)

Show more 


Beta Powered by GenAI

Ask questions about "economic growth" and get answers with GenAI summaries from relevant research


Try it out 

☐  Download selected articles  Export

sorted by *relevance* | [date](#)

☐ Research article  Full text access

- 1 Revolutionizing sustainable **economic growth** in China: Harnessing natural resources, green development, and fintech for a greener future.

☐ Research article  Full text access

8 Hidden environmental costs of **economic** ambitions: An empirical study of pollution emissions in the wake of **growth** targets

Journal of Cleaner Production, 15 April 2024

Lili Guo, Meiyi Yang, ... Houjian Li



View PDF

Abstract 

Extracts 

Figures 

Export 



ELSEVIER

Find articles with these terms

"economic growth"

176,956 results

Set search alert

Refine by:

Years

- ☐ 2025 (10)
- ☐ 2024 (10,336)
- ☐ 2023 (15,916)

Show more

Article type

- ☐ Review articles (9,204)
- ☐ Research articles (134,683)
- ☐ Encyclopedia (2,756)
- ☐ Book chapters (11,887)

Show more

Publication title

Beta

Powered by GenAI

Ask questions about "economic growth" and get answers with GenAI summaries from relevant research

Try it out

☐ Download selected articles Export

sorted by relevance | date

☐ Research article Full text access

1 How does natural disasters affect China agricultural economic growth?

Energy, 1 June 2024

Boqiang Lin, You Wang

☐ View PDF Abstract Figures Export

☐ Research article Full text access

2 Role of mineral-based industrialization in promoting economic growth: Implications for achieving environmental sustainability through financial management

Resources Policy, May 2024

Aimin Li, Shuyu Zhou

☐ View PDF Abstract Figures Export



ELSEVIER

ScienceDirect检索

25,600 results

[Set search alert](#)

Refine by:

Years

- ☐ 2024 (935)
- ☐ 2023 (1,525)
- ☐ 2022 (1,336)

[Show more](#)

Article type

- ☐ Review articles (827)
- ☐ Research articles (20,427)
- ☐ Encyclopedia (461)
- ☐ Book chapters (2,210)

[Show more](#)

Publication title

- ☐ World Development (1,620)
- ☐ Economic Modelling (724)
- ☐ Journal of Development Economics (698)

[Show more](#)

Subject areas

- ☐ Economics, Econometrics and Finance (14,609)
- ☐ Social Sciences (9,169)
- ☐ Business, Management and Accounting (2,951)

[Show more](#)

Languages

- ☐ English (25,581)
- ☐ Spanish (17)
- ☐ German (1)

[Show more](#)

1/3/2025

- ☐ Open access & Open archive (3,084)

106 results

[Set search alert](#)

Refine by:

Years

- ☒ 2023 (106)

Article type

- ☒ Review articles (49)
- ☐ Research articles (1,362)
- ☐ Encyclopedia (25)
- ☐ Book chapters (57)

Title

"economic growth"and"wage"

☐ [Download selected articles](#)

[Export](#)

sorted by *relevance* | [date](#)

- ☐ Book chapter [Full text access](#)
1 Chapter 6: Multidimensional human capital
Handbook of the Economics of Education, 2023
David J. Deming
[View PDF](#) [Abstract](#) [Figures](#) [Export](#)

- ☐ Book chapter [Full text access](#)
2 Chapter 5: Exploring the relationship of
Resilient and Sustainable Cities, 2023
Zaheer Allam, Didier Chabaud, ... Carlos Moreno
[View PDF](#) [Abstract](#) [Export](#)

- ☐ Review article [Open access](#)
3 A review on the gendered impact of COVID-19 pandemic towards achieving sustainable development goals in Bangladesh: Ecofeminist perspectives on the response to COVID-19 pandemic
Heliyon, March 2023
Sadia Afrin, Mashura Shammi
[View PDF](#) [Abstract](#) [Figures](#) [Export](#)

Export

- [Save to RefWorks](#)
- [Export citation to RIS](#)
- [Export citation to BibTeX](#)
- [Export citation to text](#)

出版时间

文献类型

来源出版物

学科

语言



OA

检索结果分析

92,005 results

Set search alert

Refine by:

Years

- ☐ 2024 (371)
- ☐ 2023 (13,315)
- ☐ 2022 (11,787)

Show more

Article type

- ☐ Review articles (5,405)
- ☐ Research articles (66,396)
- ☐ Encyclopedia (1,325)
- ☐ Book chapters (9,740)

Show more

Publication title

- ☐ Journal of Cleaner Production (2,106)
- ☐ Technological Forecasting and Social Change (1,889)
- ☐ Telecommunications Policy (1,357)

Show more

Subject areas

- ☐ Social Sciences (21,089)
- ☐ Engineering (16,362)
- ☐ Business, Management and Accounting (15,769)

Show more

发表年份

文章类型

刊物名称

学科领域



支持批量下载

Download selected articles Export

文献题目和期刊信息

sorted by relevance | date

按相关性/日期排序

Research article Full text access

1 Digital economy and settlement intention of migrants in urban China

Telecommunications Policy, Available online 29 September 2023

Jianyu Ren, Zhiteo Xu, Mingzhi Hu

View PDF Abstract Extracts Figures Export

... This paper utilizes data from the China Migrants Dynamic Survey (CMDS) and the digital economy index ... at the city level to empirically examine the impact of the digital economy on migrants' settlement intention ... The results reveal a substantial enhancement in migrants' settlement intention due to the digital economy ...

包含关键词的文摘信息

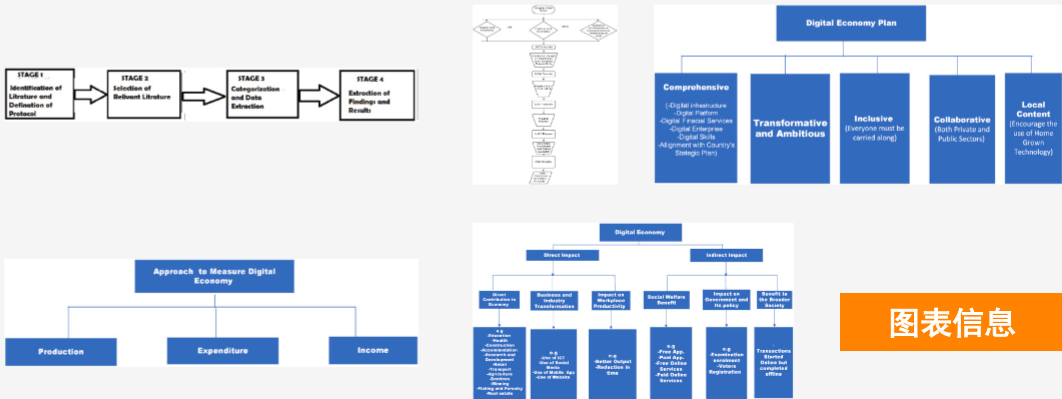
Research article Open access

2 Measuring the impact of the digital economy in developing countries: A systematic review and meta- analysis

Heliyon, 7 July 2023


Abdulkarim A. Oloyede, Nasir Faruk, ... Augustine K. Nwafulune



View PDF Abstract Extracts Figures Export






图表信息


设置提醒——科研持续追踪

Find articles with these terms 


Author affiliation: northeast forest university  Title, abstract, keywords: structure 


 Advanced search

75 results  Download selected articles  Export




 Set search alert **设置检索提醒**

Refine by:

Years 

communication  Full text access

The syntheses, **structures** and fluorescent properties of two monomeric Zn(II) and Mn(II) as
Inorganic Chemistry Communications, Volume 10, Issue 4, April 2007, Pages 498-501
Bing Liu, Xiu-Cheng Zhang, Yong-Hong Chen

 Download PDF (670.000 KB) Abstract  Export 

文献页面

Outline

Abstract

Introduction

Results

Functional Comparison of Capsaicin- and Heat-Activated

Heat Activates VR1 by a Membrane Delimited and Grad

Protons Potentiate Both Capsaicin- and Heat-Evoked R

Protons Activate VR1 at Normal Physiological Temperat

Distribution of VR1 Protein

Discussion

VR1 is a Polymodal Signal Detector

VR1 As a Mediator of Sustained Proton Responses In Vi

VR1 Localization and Nociceptor Heterogeneity

Polymodal Activation of VR1 In Vivo

Experimental Procedures

Mammalian Cell Electrophysiology

Oocyte Electrophysiology

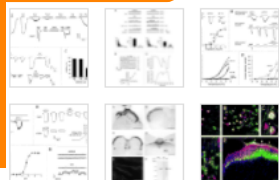
Immunolocalization of VR1

Acknowledgements

References

文献结构

Figures (8)



Show all figures

Neuron

Volume 21, Issue 3, September 1998, Pages 531-543



期刊信息

Article

The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli

Makoto Tominaga¹, Michael J. Caterina¹, Annika B. Malmberg², Tobias A. Rosen³, Michael J. Smart⁴, Gilbert², Kate Skinner², Brigitte E. Raumann¹, Allan I. Basbaum², David Julius^{1,2,3,4}

Show more

+ Add to Mendeley

Share

Cite

DOI

[https://doi.org/10.1016/S0896-6273\(00\)80564-4](https://doi.org/10.1016/S0896-6273(00)80564-4)

Under an Elsevier user license

申请内容使用

Get rights and content

open archive

Abstract

摘要

Capsaicin, the main pungent ingredient in "hot" chili peppers, elicits burning pain by activating specific (vanilloid) receptors on sensory nerve endings. The cloned vanilloid receptor (VR1) is a cation channel that is also activated by noxious heat. Here, analysis of heat-evoked single channel currents in excised membrane patches suggests that heat gates VR1 directly. We also show that protons decrease the temperature threshold for VR1 activation such that even moderately acidic conditions ($\text{pH} \leq 5.9$) activate VR1 at room temperature. VR1 can therefore be viewed as a molecular integrator of chemical and physical stimuli that elicit pain. Immunocytochemical analysis indicates that the receptor is located in a neurochemically heterogeneous population of small diameter primary afferent fibers. A role for VR1 in injury-induced hypersensitivity at the level of the sensory neuron is presented.

< Previous article in issue

Next article in issue >

Recommended articles

Neuronal and non-neuronal potential ankyri...

Neuroscience, Volume 261, 2014, pp. 153-160

Download PDF

The Role of Allosteric Coupling on The

Biophysical Journal, Volume 104, Issue 10, 2

Download PDF

Temperature Sensing by Thermal TRP

Current Topics in Membranes, Volume 74, 2

Download PDF

Citing articles (2455)

Article Metrics

Citations

Citation Indexes:

Patent Family Citations:

Captures

Exports-Saves:

Readers:

Mentions

Blog Mentions:

推荐文献

David Julius

[View in Scopus](#)

Department of Cellular and Molecular Pharmacology, W. M. Keck Foundation Center for Integrative Neuroscience, University of California, San Francisco, California 94143, USA

To whom correspondence should be addressed.

Corresponding author: David Julius, 415 476 0431 (phone), 415 502 8644 (fax)

julius@cgl.ucsf.edu

More documents by David Julius

Provided by Scopus

Structural snapshots of TRPV1 reveal mechanism of polymodal functionality

Zhang, K., Julius, D., Cheng, Y.

View details

Irritant-evoked activation and calcium modulation of the TRPA1 receptor

Zhao, J., Lin King, J.V., Paulsen, C.E., Cheng, Y., Julius, D.

View details

Mechanisms governing irritant-evoked activation and calcium modulation of TRPA1

Zhao, J., Lin King, J.V., Paulsen, C.E., Cheng, Y., Julius, D.

View details

作者信息

Social Media

Tweets:

14

PLUMX

View details >

ScienceDirect

Introduction

图表摘要

学者档案



著作记录表由 Scopus 生成 了解更多

Julius, David J.

Julius, David J. ; Julius, D. J. ; Julius, David ; Julius, D.
[University of California, San Francisco](#), San Francisco, United States

附属机构历史记录

1991 - 2021 [University of California, San Francisco](#), San Francisco, United States
2012 [UCSF School of Medicine](#), San Francisco, United States
2011 [University of San Francisco](#), San Francisco, United States
2006 [U.C.S.F.](#), United States
2001 [Johns Hopkins School of Medicine](#), Baltimore, United States
1988 - 1990 [Columbia University](#), New York, United States
1988 - 1990 [Vagelos College of Physicians and Surgeons](#), New York, United States
1988 - 1990 [Howard Hughes Medical Institute](#), Chevy Chase, United States
1990 [Stanford University Medical Center](#), Stanford, United States
1979 - 1984 [University of California, Berkeley](#), Berkeley, United States

主题领域

Biochemistry, Genetics and Molecular Biology • Multidisciplinary • Neuroscience • Medicine • Pharmacology, Toxicology and Pharmaceutics • Psychology • Agricultural and Biological Sciences • Chemistry • Health Professions

折叠显示作者信息

7006756761 [ORCID](#)

[编辑资料](#) [设置通知](#) [保存至列表](#) [落在作者匹配](#) [导出至 SciVal](#)

度量标准概览

127
撰写的文献
50196
由 27963 篇文献引用
74
h-Index [查看 h-graph](#)

文献与引文趋势



分析作者的产出 引文概览

最高贡献主题 2016–2020

Ankyrins; Transient Receptor Potential Channel A3; Thermoreceptors
3 文献
Sharks; Rajidae; Sphyrna Mokarran
2 文献
Transient Receptor Potential Channels; HC-067047; RN 1734
1 篇文献

查看所有主题

文献计量分析

127 篇文献 被 27963 篇文献引用 2 预印本 306 位合著作者 主题 0 Awarded grants

[全部导出](#) [全部保存至列表](#)

排序依据 [日期 \(降序\)](#)

Article
Structural snapshots of TRPV1 reveal mechanism of polymodal functionality
Zhang, K., Julius, D., Cheng, Y.
Cell, 2021, 184(20), pp. 5138–5150.e12

论文列表

0
Citations

- Scopus通过机器学习，为每一位学者自动生成学者档案；
- 免费开放，可以将主页链接添加到个人主页或CV中；
- ScienceDirect论文中的作者信息自动关联Scopus作者主页

Cell

Volume 184, Issue 20, 30 September 2021, Pages 5138–5150.e12



Article

Structural snapshots of TRPV1 reveal mechanism of polymodal functionality

Kaihua Zhang¹, David Julius^{2,3}, Yifan Cheng^{1,3,4,8}

- ¹ Department of Biochemistry and Biophysics, University of California, San Francisco, San Francisco, CA, USA
- ² Department of Physiology, University of California, San Francisco, San Francisco, CA, USA
- ³ Howard Hughes Medical Institute, University of California, San Francisco, San Francisco, CA, USA

Received 12 April 2021, Revised 28 May 2021, Accepted 11 August 2021, Available online 7 September 2021.

Published: September 7, 2021

[Check for updates](#)

Show less

[Add to Mendeley](#) [Share](#) [Cite](#)

<https://doi.org/10.1016/j.cell.2021.08.012>

[Get rights and content](#)



[以检索结果格式查看列表](#)

[查看 参考文献](#)

[设置文献通知](#)

ScienceDirect

Related terms:

Heavy Oil, Mudstone, Reservoir Rock, Dolomite, Natural Gas, Illite, Methane, Porosity, Fluid Flow, Gas Reservoir.

View all Topics >

1. 从爱思唯尔图书中提取的定义
2. 链接到相关术语进行深入探索
3. 摘录最相关的信息，从图书章节中深度挖掘，并链接到来源图书，以便做进一步的研究。
4. 可通过搜索引擎发现并免费访问。

Hydrocarbon Reservoir

In subject area: [Earth and Planetary Sciences](#)

Hydrocarbon reservoirs are categorized as oil or gas reservoirs based on the initial reservoir temperature and pressure.

From: [Developments in Petroleum Science](#), 2023

[About this page](#) [Add to Mendeley](#) [Set alert](#)

Chapters and Articles

You might find these chapters and articles relevant to this topic.

Introduction to Reservoir Simulation

John R. Fanchi, in [Principles of Applied Reservoir Simulation \(Fourth Edition\)](#), 2018

Abstract

Hydrocarbon [reservoir management](#) includes recovery of oil and gas resources using a variety of

Contents

- Definition
- [Chapters and Articles](#)
- [Related Terms](#)
- [Recommended Publications](#)
- [Featured Authors](#)

Gas channels and chimneys prediction using artificial neural networks and multi-seismic attributes, offshore West Nile Delta, Egypt

Amir Ismail ^a, Hatem Farouk Ewida ^c, Sahar Nazeri ^b, Mohammad Galal Al-Ibary ^a, Aldo Zollo ^b

[Show more](#)

[Add to Mendeley](#) [Share](#) [Cite](#)

<https://doi.org/10.1016/j.petrol.2021.109349> [Get rights and content](#)

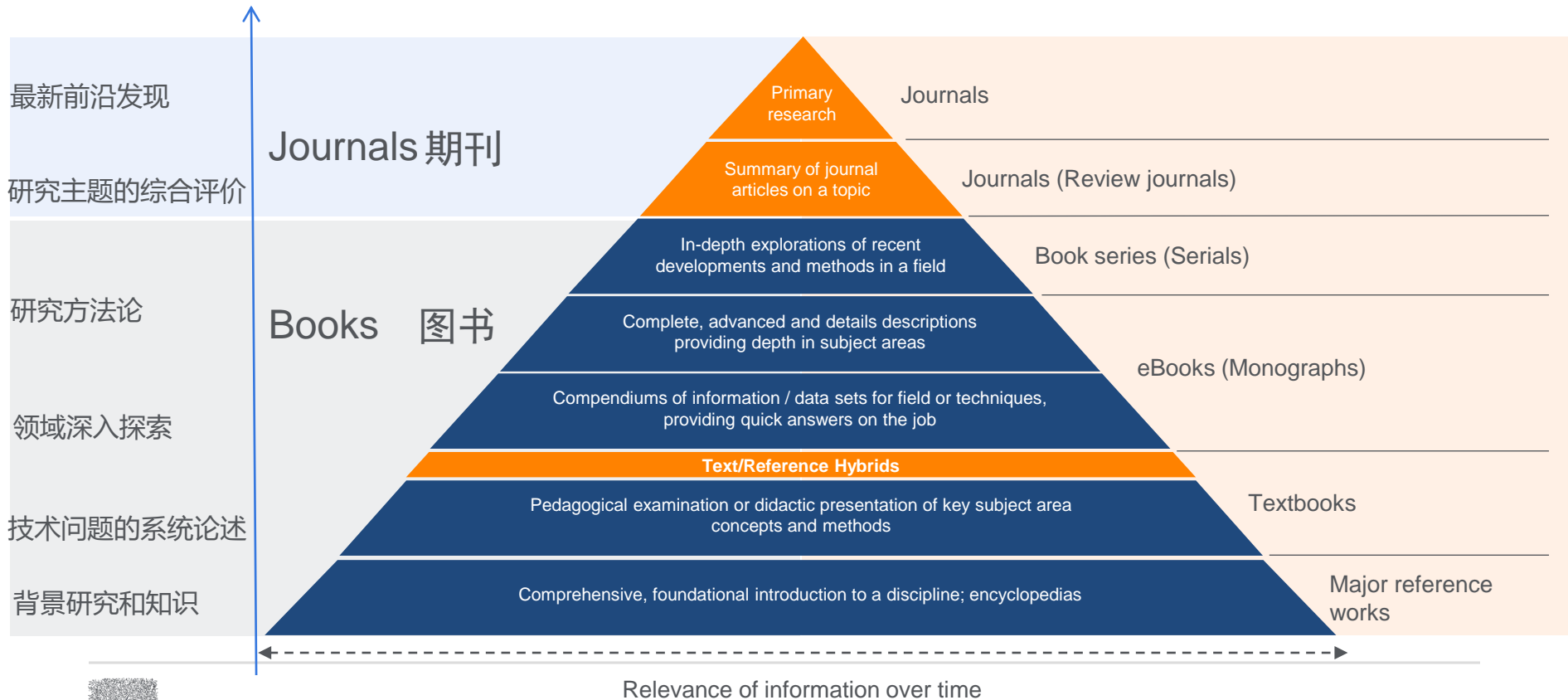
Highlights

- Artificial Intelligence (AI) identifies the spatial dimensions of the gas-bearing channels.
- Use both Multi-Layer Perceptron (MLP) and self-organizing Unsupervised Vector Quantizer (UVQ) to detect the gas zones and channels, classify the gas chimneys and non-gas chimneys zones.
- The role of ANNs techniques combined with multi-seismic attributes and well logs in hydrocarbon exploration.

Abstract

Machine learning techniques combined with multi-seismic attributes and well logs datasets have been successfully used in reducing the risk of drilling operations and petroleum exploration by providing precise petrophysical and seismic information extracted from the [hydrocarbon reservoir](#) rocks. For this purpose, [Artificial Neural Networks](#) (ANNs) work as a multi-channel processing system with a high degree of interconnection to classify various faces and predict the reservoir properties through the seismic profile by involving multi-seismic attributes and optionally well logs to the inputs. The main aim of this study is to use both supervised and unsupervised neural networks for the first time in the West Delta Deep Marine (WDDM) concession to identify the spatial dimensions of the gas-bearing channels and the detection of gas chimneys across the seismic profiles. We use back-error propagation algorithms of the Multilayer [Perceptron](#) (MLP) and self-organizing Unsupervised Vector Quantizer (UVQ) as supervised and unsupervised neural network methods, respectively, to detect the gas zones and channels, and to classify the gas chimneys and non-gas chimneys zones, as well as classification of the [seismic reflections](#) and [lithologies](#). The output acquires a

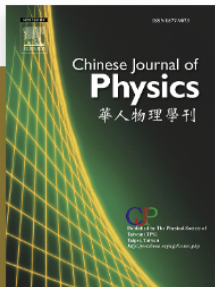
从文献类型看为什么需要主题词百科



Agenda

- ScienceDirect平台资源简介
- 英文文献检索和阅读攻略技巧分享
- 大数据视角投稿选刊技巧分享
- Q&A

投稿前准备



Chinese Journal of Physics

6.8

CiteScore

5

Impact Factor

Articles & Issues ▾

About ▾

Publish ▾



Search in this journal

Submit your article ➤

官网投稿渠道

Guide for authors

所有你想知道的
细节都在这里！

About the journal

The *Chinese Journal of Physics* is published by the [Physical Society of Taiwan \(TPS\)](#) (since 1963).

The *Chinese Journal of Physics* publishes important advances in **various branches in physics**, including **statistical** and **biophysical physics**, **condensed matter physics**, **atomic/molecular physics**, **optics**, **pa...**

[View full aims & scope](#)



为您的论文快速找到“门当户对”的期刊！

选刊搜索引擎：<https://journalfinder.elsevier.com/>

Find the right journal for your research

Looking for the best journal match for your paper?

Search the world's leading source of academic journals using your abstract or your keywords and other details.

> More on how it works

摘要

关键词,目标和范围,期刊题目

☐ Match my abstract ☒ Search by keywords, aims & scope, journal title, etc...

Enter your keywords, aims & scope, journal title, etc...

Find journals >

Please enter keyword query

Maximum 5,000 characters

[Check if you're eligible](#) for open access (OA) savings.

☒ Match my abstract ☐ Search by keywords, aims & scope, journal title, etc.

We report here
gold(III) comp
feasibility of s
optically pure
synthesized. F

Check if you're e

Showing 37 journals matching your paper

Sort by: Best match

筛选期刊!

Publication type ①

☒ Journals that offer gold OA

☐ Journals with subscription

CiteScore ①

All journals



Time to 1st decision ①

All journals



Impact factor ①

All journals



Time to publication ①

All journals



Tetrahedron ↗

Save journal

Visit journal page

Submit paper

ISSN: 0040-4020



Text match score



CiteScore

4.4

CAS Journal Ranking ①

Chemistry Tier 3

Impact Factor

2.1

Acceptance rate

39%

Time to 1st decision

3 weeks

Time to publication

5 weeks

Publishing options for this journal

Open Access

US\$3,470

Article Publishing Charge (APC), excluding taxes

Your article will be made publicly available ↗ upon publication

Subscription

No publishing charge

Your article can be shared according to this journal's article sharing policy ↗

View details

Tetrahedron Letters ↗

Save journal

Visit journal page

Submit paper

ISSN: 0040-4039

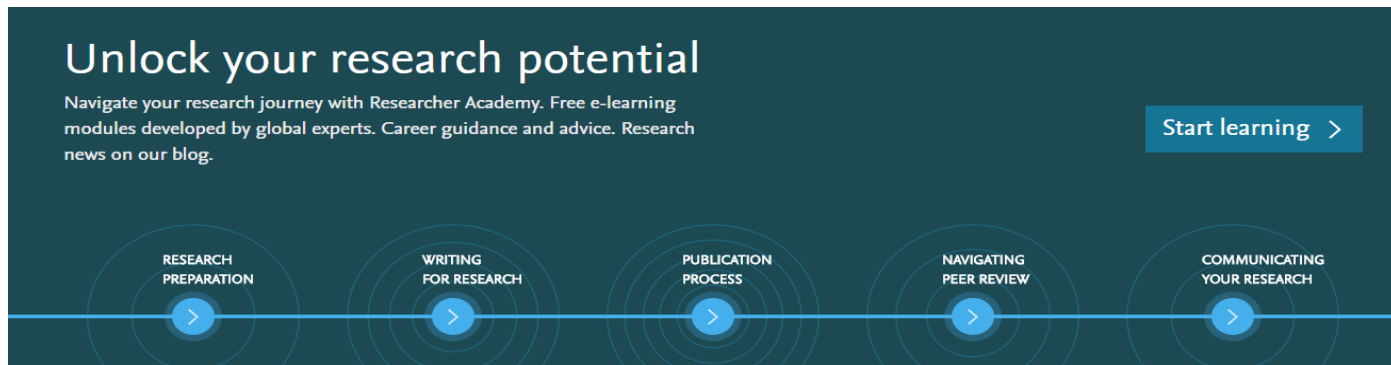


Direct

科研助手：研究者学院

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

免费科研人员/学生线上培训课程



作为免费在线学习平台，研究者学院（Researcher Academy）于2020年首次推出200余场免费科研人员/学生培训课程。针对科研出版全周期，助您逐一击破各个环节，提高发表论文成功率和研究影响力。



可通过网页和微信小程序随时随地学习。

如何进行交叉学科论文写作
主讲人：Tina Zhang,
交叉学科期刊 *iScience* 编辑



如何在投稿前准备你的论文
主讲人：郑耿锋，复旦大学教授
J. Colloid and Interface Science 编辑



科研助手：研究者学院

Researcher Academy

Q Search for modules, upc...

Research Journey ▾

Career path ▾



> Writing for research

Fundamentals of manuscript preparation

As you embark on your publishing career, it can feel like there's an endless array of procedures, protocols and best practice to absorb.

In this series of modules, we walk you through some of the key points you should pay attention to during that all-important manuscript preparation stage.

We explain how the publishing cycle works from submission and peer review through to decision time! You will learn about the various elements in a traditional research article and receive valuable tips on how to maximize their potential. Additionally, we highlight the importance of the abstract and how you can make sure yours packs a punch.

What you will learn

- An introduction to the publishing process
- Insights into how to build an article
- Top tips for writing a great abstract

Total Time

🕒 6+ hours

Complete

📊 0/15

Language

🗣️ English

Get Started >

数据库产品支持 | Elsevier

爱思唯尔数据库产品支持

如果您有关于爱思唯尔数据库产品的使用问题，或有对产品的建议和反馈，欢迎扫描二维码联系爱思唯尔客户服务。

微信平台实时在线咨询时间：

周一至周五 北京时间 9:30-12:00, 13:00-17:30 (法定节假日除外)

请在工作时间扫描二维码
联系爱思唯尔客户服务

您也可以通过PC或手机端网页进行实时在线咨询，实时在线咨询时间：

周一至周五 北京时间 9:30-12:00, 13:00-17:30 (法定节假日除外)

支持中心页面：<https://cn.service.elsevier.com/> ↗



电话：+86 4008 426 973

邮箱：support.china@elsevier.com ↗



ELSEVIER

Thank you

吴宇扬

Elsevier Customer Success Consultant, A&G
y.wu@elsevier.com

