

数据库使用的高级功能

由于平时会用到不少英文资料，而且前面也有同学介绍了知网、万方等常用中文数据库的高级检索功能，因此下面列举一些查找外文文献的数据库，供大家参考。

1. SCI

SCI 全称为 Science Citation Index，是世界上最为权威的文献索引工具，数据库提供了基本检索和高级检索功能，其中基本检索也涉及一些逻辑运算，所以也写了进来。基本检索界面如下。

Web of Science

Web of Science 将于格林威治标准时间 2019 年 11 月 5 日 11:00 至 23:00 (北京时间 2019 年 11 月 5 日 19:00 至 2019 年 11 月 6 日 07:00) 进行定期维护。在此期间，Web of Science 可能无法正常使用。对于由此给您带来的不便，我们深表歉意。

选择数据库 所有数据库

基本检索 被引参考文献检索 高级检索

示例: oil spill* mediterranean

主题

检索

时间跨度

所有年份 (1900 - 2019)

更多设置

通过图中红色方框中的“添加行”，我们可以添加多个搜索条件，根据自己需要调整与、或、非逻辑。

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选择数据库 所有数据库

基本检索 被引参考文献检索 高级检索

示例: oil spill* mediterranean

主题

检索

And

Or

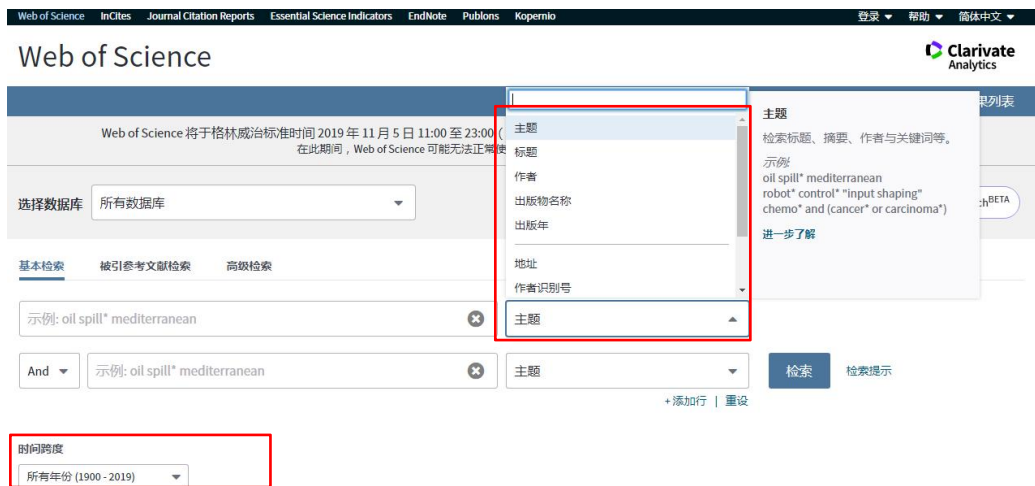
Not

所有年份 (1900 - 2019)

主题

检索标题、摘要、作者与关键词等。

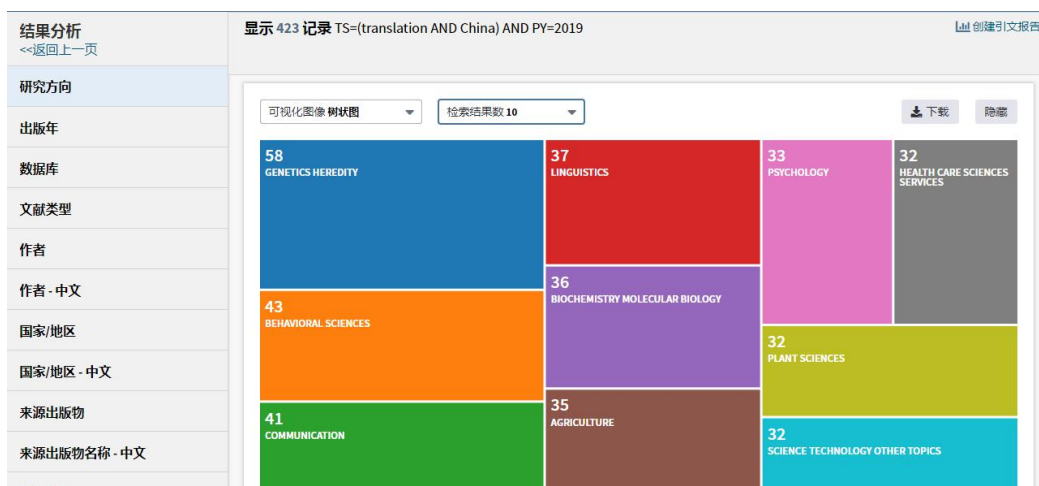
我们还可以调整搜索的内容（比如说主题、标题、作者等等）以及搜索的时间跨度。



比如想搜索中国丝绸的相关内容，基本检索框中分别输入“中国”和“丝绸”，检索结果如下。



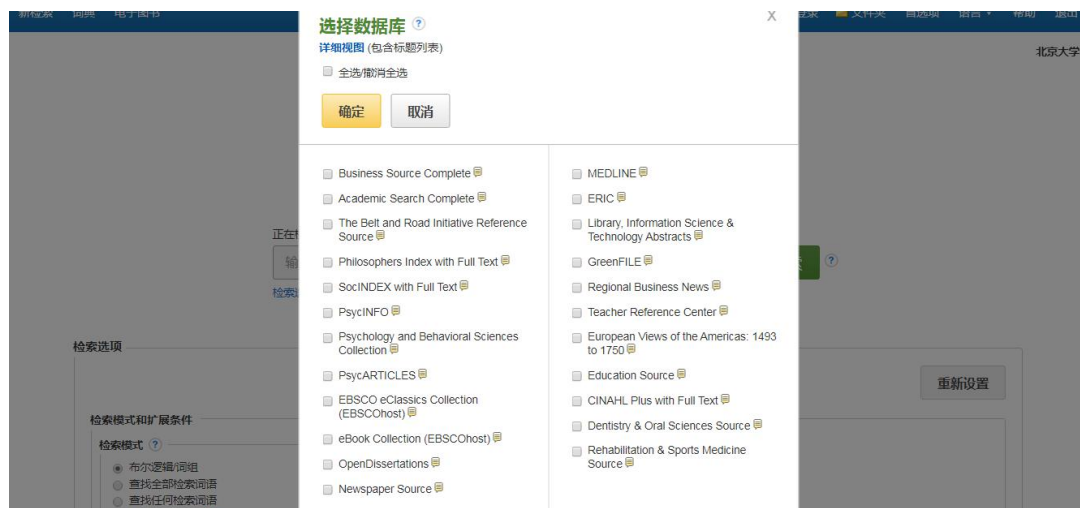
下面我们来看看高级检索功能。与基本检索相比，高级检索要求我们自己输入指令，搜索范围会更加精确。除了可以添加逻辑运算符外，还可以使用通配符以及位置限定运算符（**SAME** 和 **NEAR**）——在“地址”检索中使用 **SAME** 将检索限制为出现在“全记录”同一地址中的检索词；使用 **NEAR/x** 可查找由该运算符连接的检索词之间相隔指定数量的单词的记录。碍于篇幅限制，这里就不详细叙述了，感兴趣的同学可以点击“查看教程”和“了解高级检索”进行学习。



除了基本检索和高级检索，SCI 提供的“被引参考文献检索”适用于查找引用个人著作的文献，因此这里不涉及。

2. EBSCO

EBSCO 是一个具有 60 多年历史的大型文献服务专业公司，提供期刊、文献订购及出版等服务，开发了近 100 多个在线文献数据库，涉及自然科学、社会科学、人文和艺术等多种学术领域。



数据库同样提供了基本检索和高级检索，高级检索可以调整与或非逻辑以及具体的搜索内容。尝试搜索有关经济学中的股票价格问题，结果如下。

正在检索: EBSCO eClassics Collection (EBSCOhost), 显示全部 | 选择数据库

搜索框: economics | T1 标题 | 搜索

AND- stock price | TX 所有文本 | 清除

AND- | 选择一个字段(可选) | 帮助

基本检索 高级检索 搜索历史记录

精确搜索结果 检索结果: 1 - 10 (共 7,989 个)

相关性: 页面选项: 共享

公司: Enter code Go

参考书目 收集概述评论 欧洲的美国 文献 常见问题解答 引文帮助

布尔逻辑词组: T1 economics AND TX stock price

扩展条件: 同时在此文章 全文范围内 搜索 应用对等科

限于: 全文 有参考 学术 (同行评审) 期刊 出版日期 显示更多

1. FINANSAL GÖSTERGELERDEKİ DEĞİŞİMİN BİST100 TRENDLERİNE ETKİLERİ
THE RESEARCH ON THE RELATION OF ECONOMIC FACTORS AND STOCK PRICES IN TURKEY. By: ÇETİNER, Müge; SEVER, Emine. Mali Cozum Dergisi / Financial Analysis. Jul/Aug2019, Vol. 29 Issue 154, p13-31. 19p. 1 Diagram, 5 Charts. Language: Turkish. 数据库: The Belt and Road Initiative Reference Source
科目: TURKEY; Pipeline Transportation of Crude Oil; Petroleum Bulk Stations and Terminals; Petroleum and petroleum products merchant wholesalers; Crude Petroleum and Natural Gas Extraction; Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals); CONSUMER price indexes; GRANGER causality test; CONSUMER confidence; PETROLEUM sales & prices; INTEREST rates
显示全部 7 图像
PDF 全文 (2.8MB)

2. The Economic Consequences of Labor Unionization: Evidence from Stock Price Crash Risk.
By: Chen, Jun; Tong, Jamie Y.; Wang, Wenming; Zhang, Feida. Journal of Business Ethics. Jul2019, Vol. 157 Issue 3, p775-796. 22p. 10 Charts. DOI: 10.1007/s10551-017-3686-0. 数据库: Business Source Complete
科目: Labor organizing; Financial risk; Bargaining power; Risk aversion; Labor Unions and Similar Labor Organizations. Stock prices -- United States; Labor unions -- Economic aspects; Financial crises -- United States
显示全部 12 图像

3. Springer Link

Springer Link 整合了图书、期刊、参考工具书、实验指南和数据库资料，涵盖工程、生物、化学、数学、经济管理、商业金融、社会科学、教育、宗教哲学等多个领域。之前查资料涉及的图书有相当一部分都指向了这个网站。

Springer Link 的高级搜索功能可通过红框的位置进入，实际上它的高级搜索是与、或、非逻辑的文字描述版，如下图所示。

Springer Link

Sign up / Log in English Academic edition

Search

Advanced Search Search Help

Home Books A - Z Journals A - Z Videos Librarians

Browse by discipline

- » Biomedicine
- » Business and Management
- » Chemistry
- » Computer Science
- » Earth Sciences
- » Economics
- » Education
- » Engineering
- » Environment
- » Geography
- » History
- » Law
- » Life Sciences
- » Literature

Providing researchers with access to millions of scientific documents from journals, books, series, protocols, reference works and proceedings.

Journal of Materials Science

Solar Energy

New books and journals are available every day.

Advanced Search

Find Resources

with **all** of the words

with the **exact phrase**

with at least **one** of the words

without the words

where the **title** contains

e.g. "Cassini at Saturn" or Saturn

where the **author / editor** is

e.g. "H.G.Kennedy" or Elvis Morrison

Show documents published

Start year **End year**

betw ▼ and

☒ Include Preview- ☒ Only content

假设要搜索春节放烟花对健康或者空气质量的影响，在高级搜索中输入相应关键字。

Advanced Search

Find Resources

with **all** of the words

with the **exact phrase**

with at least **one** of the words

without the words

where the **title** contains

e.g. "Cassini at Saturn" or Saturn

where the **author / editor** is

e.g. "H.G.Kennedy" or Elvis Morrison

点击“搜索”后发现搜索框中出现的内容类似于搜索引擎中使用高级搜索查找相关资料的形式，用引号、AND、OR 将几个关键词连接起来。

firework AND "spring festival" AND (health OR air-quality) [New Search](#) [Settings](#)

Home • Books A - Z • Journals A - Z • Videos • Librarians

[Include Preview-Only content](#)

47 Result(s) for 'firework AND "spring festival" AND (health OR air-quality)' [RSS](#) [Download](#)

Sort By: [Relevance](#) [Newest First](#) [Oldest First](#) [Date Published](#) Page 1 of 3

Refine Your Search

Content Type	
Article	23
Chapter	23
Conference Paper	1
Reference Work Entry	1

Discipline	
Environment	14
Social Sciences	10
Earth Sciences	5
Medicine & Public Health	3
Political Science and International Relations	3

Subdiscipline [see all](#)

Article
Characterizing the composition and evolution of firework-related components in air aerosols during the Spring Festival
 To examine the impacts of fireworks, size-resolved PM samples were collected using a single-particle aerosol mass spectrometer before, during and after the Spring Festival in a megacity in Chengdu, China. Chem...
 Keying Wu, Ming Duan, Hefan Liu, Zihang Zhou... in *Environmental Geochemistry and Health* (2018)
[Download PDF](#) (2435 KB) [View Article](#)

Article
Clinical analysis of firework-related ocular injuries during Spring Festival 2009
 To document the clinical features, management and visual outcome of fireworks-related ocular injuries during the Spring Festival.
 Yuan Jing, Xing Yi-qiao, Yang Yan-ning... in *Graefes's Archive for Clinical and Experime...* (2010)
[Download PDF](#) (195 KB) [View Article](#)

4. Jstor

Jstor 全称 Journal Storage，收录的是一些老旧期刊，从创刊号到最近三至五年前过刊都可阅览 PDF 格式的全文，覆盖内容以人文社科领域为主，如历史、法律、经济学，也包括一般的科学性主题，如物理、化学。

Jstor 的高级搜索界面和 EBSCO 类似。

Advanced Search [Search Help](#)

[All fields](#) [box](#)

AND [All fields](#)

AND [All fields](#)

AND
OR
NOT
NEAR 5
NEAR 10
NEAR 25

Search type [Access](#)

[Search](#)

Narrow By:

Item Type

☐ Articles ☐ Research Reports
☐ Reviews ☐ Pamphlets
☐ Books ☐ Miscellaneous

Language

[All Languages](#)

Publication Date

From To

同样，我们也可以自己在搜索框中输入这些运算符进行高级搜索，比如查询中国文化中有关性别的内容。

Search results for "Chinese culture" AND gender. Showing 1-25 of 3,805 search results.

Refine Results

Search Within Results: [Search]

Academic Content:

- ☐ Journals (3,532)
- ☐ Book Chapters (273)

Publication Date:

From [] To []

(yyyy or yyyy/mm or yyyy/mm/dd)

Apply

Subject:

- ☐ African American Studies (5)
- ☐ African Studies (42)
- ☐ American Indian Studies (2)
- ☐ American Studies (122)

JOURNAL ARTICLE
[Language, Gender, and Chinese Culture](#)
 Carol C. Fan
International Journal of Politics, Culture, and Society, Vol. 10, No. 1 (Fall, 1996), pp. 95-114
 Topics: [Chinese culture](#), [Husbands](#), [Orthographies](#), [Gender roles](#), [Working women](#), [Infanticide](#), [Mothers](#)

JOURNAL ARTICLE
[Confucianism, Chinese Culture, and Reproductive Behavior](#)
 Zongli Tang
Population and Environment, Vol. 16, No. 3 (Jan., 1995), pp. 269-284
 Topics: [Yin yang](#), [The five bonds](#), [Fertility rates](#), [Taijitsu](#), [Sons](#), [Reproductive behavior](#), [Women](#), [Sexual desire](#)

5. IEEE/IET Electronic Library (IEL)

IEEE 全称 Institute of Electrical and Electronics Engineers，是一家非营利性科技学会，其领域覆盖航空航天、计算机、通信、生物医学工程、电力、半导体和消费者电子等。

IET 全称 The Institution of Engineers and Technology，是当今欧洲最大的专业工程学会。

IEL 数据库是 IEEE 旗下最完整的在线数据资源，提供了当今世界在电气工程、通信工程和计算机科学领域中近三分之一的文献，并在多个学科领域引用量名列前茅。想搜索计算机资料的同学可以多在这个网站试试。

IEEE 的高级搜索分为三个部分，普通的高级搜索界面如下，相信大家看过之前的介绍对这种类型的界面已经很熟悉了，这里不再说明。

IEEE.org | IEEE Xplore Digital Library | IEEE-SA | IEEE Spectrum | More Sites

Cart (0) | Create Account | Personal Sign In

IEEE Xplore®
Digital Library

Browse ▾ My Settings ▾ Get Full Text ▾

Advanced Search ?

Advanced Search | Command Search | Citation Search

Enter keywords, select fields, and select operators

Search Term in []

AND ▾ Search Term in []

AND ▾ Search Term in []

All Metadata

Full Text & Metadata

Full Text Only

Document Title

Authors

Publication Title

Abstract

Index Terms

Accession Number

Article Number

Article Page Number

Author Affiliations

Author Keywords

Author ORCID

DOI

Funding Agency

IEEE Terms

INSPEC Controlled Terms

INSPEC Non-Controlled Terms

ISBN

Preferences

Learn More

Data Fields

Search Examples

Search Operators

Search Tips

第二个部分是输入命令进行搜索。如果用户直接在输入框中输入相应内容，如 wireless network，平台则会输出文章中包含 wireless network 的所有结果，关键词可能出现在标题中，也可能出现在正文中。如果根据下拉菜单对搜索范围加以限定，IEEE 则

会根据命令进行精确查找，搭配逻辑运算符使用会大大缩小搜索范围。比如搜索在文章标题中出现 **wireless network** 且出版刊物标题中含有 **engineering** 的资料，可以按照以下方法输入。

Advanced Search

Command Search

Citation Search

Enter keywords, phrases, or a Boolean expression

Use the drop down lists to choose Data Fields and Operators. [Learn how to use Boolean expressions in Command Search.](#)

Data Fields

Operators

Operators need to be in all caps - i.e. AND/OR/NOT/NEAR/ONEAR. There is a maximum of 40 search terms.

Search Expression Examples [?](#)

"Document Title":wireless network AND "Publication Title":engineering

Reset All

Search

Preferences

Learn More

Data Fields

Search Examples

Search Operators

Search Tips

结果如下。

Showing 1-25 of 2,579 for ("Document Title":wireless network AND "Publication Title":engineering) x

Conferences (2,472)

Journals (99)

Early Access Articles (4)

Books (2)

Magazines (2)

Show

All Results

My Subscribed Content

Open Access

Year

Single Year

Range

1942 2020

From To

1942 2020

Author

Affiliation

Select All on Page

Sort By: Relevance

Wireless - Managing wireless networks in offshore production - Advances in safety, security, affordability and maintainability are allowing energy companies to enjoy the benefits of higher production and lower costs that come with the adoption of wireless control

Stan Devries

Computing & Control Engineering Journal

Year: 2007 | Volume: 18, Issue: 1 | Journal Article | Publisher: IET

Abstract (1206 Kb)

Wireless mesh networks for public safety and crisis management applications

Marius Portmann ; Asad Amir Pirzada

IEEE Engineering Management Review

Year: 2011 | Volume: 39, Issue: 4 | Magazine Article | Publisher: IEEE

Cited by: Papers (1)

Abstract (13 Kb)

Comparative analysis of wireless sensor networks with wireless multimedia sensor networks

Ahmed Mateen ; Maida Sehar ; Khizar Abbas ; Muhammad Azeem Akbar

2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)

Year: 2017 | Conference Paper | Publisher: IEEE

最后一种高级搜索是引文搜索，搜索方法和上面类似，下面为搜索界面，这里也不再介绍。

Browse

My Settings

Get Help

Advanced Search

Advanced Search

Command Search

Citation Search

Enter keywords or phrases

DOI

OR

Publication Title

engineering

Volume

Issue

Year

Start Page

End Page

Author Name

Document Title

wireless network

Article Sequence Number

Reset All

Search

Preferences

Learn More

Data Fields

Search Examples

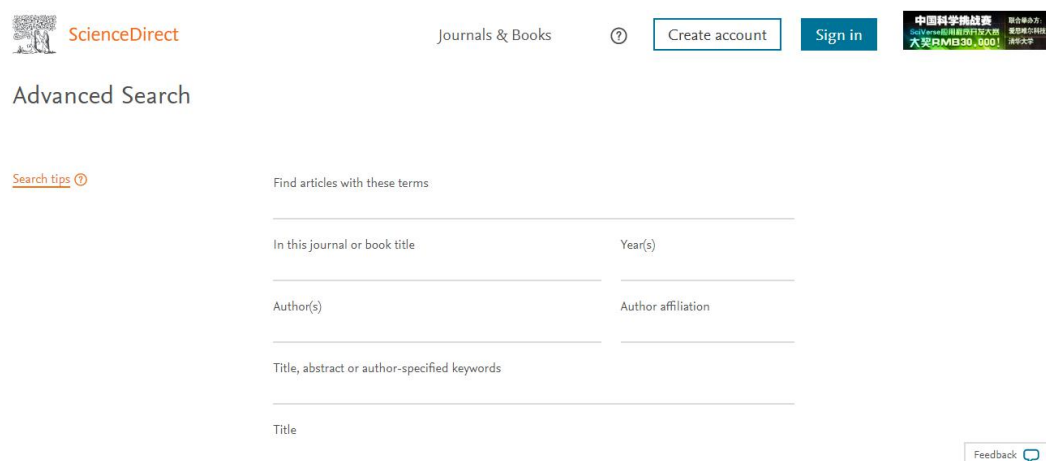
Search Operators

Search Tips

6. ScienceDirect


荷兰 Elsevier 是世界著名的学术期刊出版商，覆盖数学、物理、生命科学、化学、计算机、经济、商业管理、社会科学等多个学科。

其高级搜索功能和之前提到的数据库差别不大，用户需要自己在横线中把关键词用逻辑运算符串联起来，但目前平台不支持使用通配符搜索。



The image shows the ScienceDirect Advanced Search page. At the top, there's a navigation bar with the ScienceDirect logo, 'Journals & Books' link, a help icon, 'Create account' and 'Sign in' buttons, and a banner for the 'Chinese Science Citation Index' award. Below the navigation bar is the 'Advanced Search' section. It includes a 'Search tips' link and a form titled 'Find articles with these terms:'. The form has several input fields: 'In this journal or book title', 'Year(s)', 'Author(s)', 'Author affiliation', 'Title, abstract or author-specified keywords', and 'Title'. There is also a 'Feedback' button at the bottom right of the form.

例如搜索除去教育领域之外有关计算机编程的内容，可以输入“computer programming -education”。



The image shows the ScienceDirect search results page for the query 'computer programming -education'. The search bar at the top shows the query and a search icon. Below the search bar, it says 'Find articles with these terms' and 'computer programming -education'. The results section shows '955,924 results'. On the left, there's a 'Refine by:' section with 'Years' and 'Article type' filters. The main results list shows two articles: 'Virtual Simulation of Autotransplantation Using 3-dimensional Printing Prototyping Model and Computer-assisted Design Program' and 'Logic/Constraint Programming and Concurrency: The hard-won lessons of the Fifth Generation Computer project'. Each article has a 'Download PDF' button and an 'Abstract' link. There is also an 'Export' button at the top right of the results list.

最后给大家推荐 **北京大学开放研究数据平台** (<https://opendata.pku.edu.cn/>)，包括 46 个数据空间和 290 个数据集，如果尝试找数据的话可以到这个平台看看。



以综合型语言知识库（CLKB）为例，其中包括中英对照术语库等数据，大家登录自己的北大账号便可以实现数据下载，否则文件会无法获取。

