

User Manual for ProQuest



ProQuest technology collection

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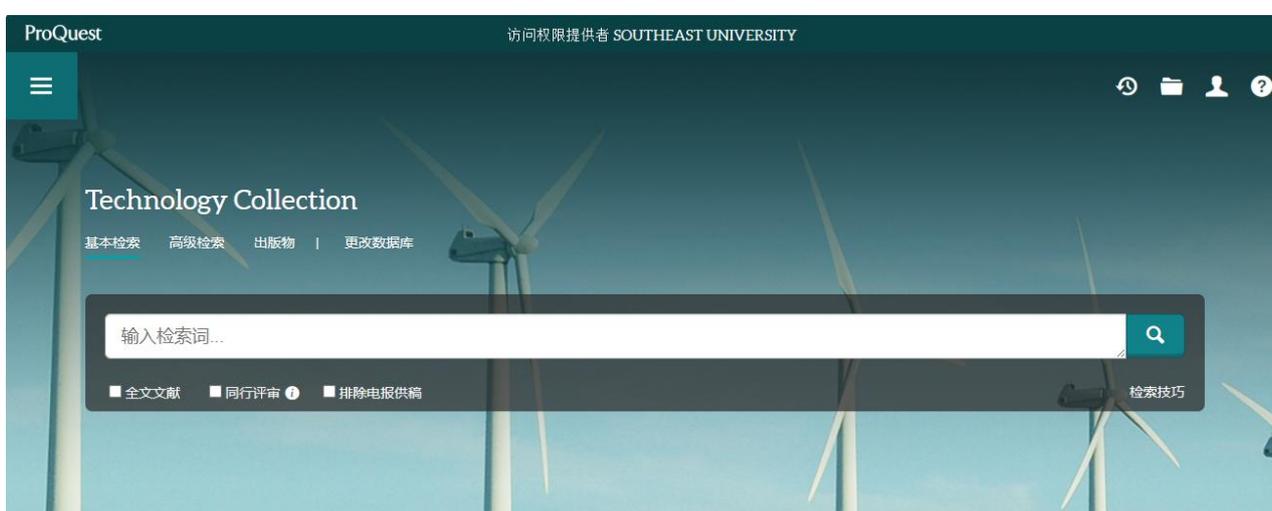
Site URL: <https://www.proquest.com>

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Part 1 Database Overview

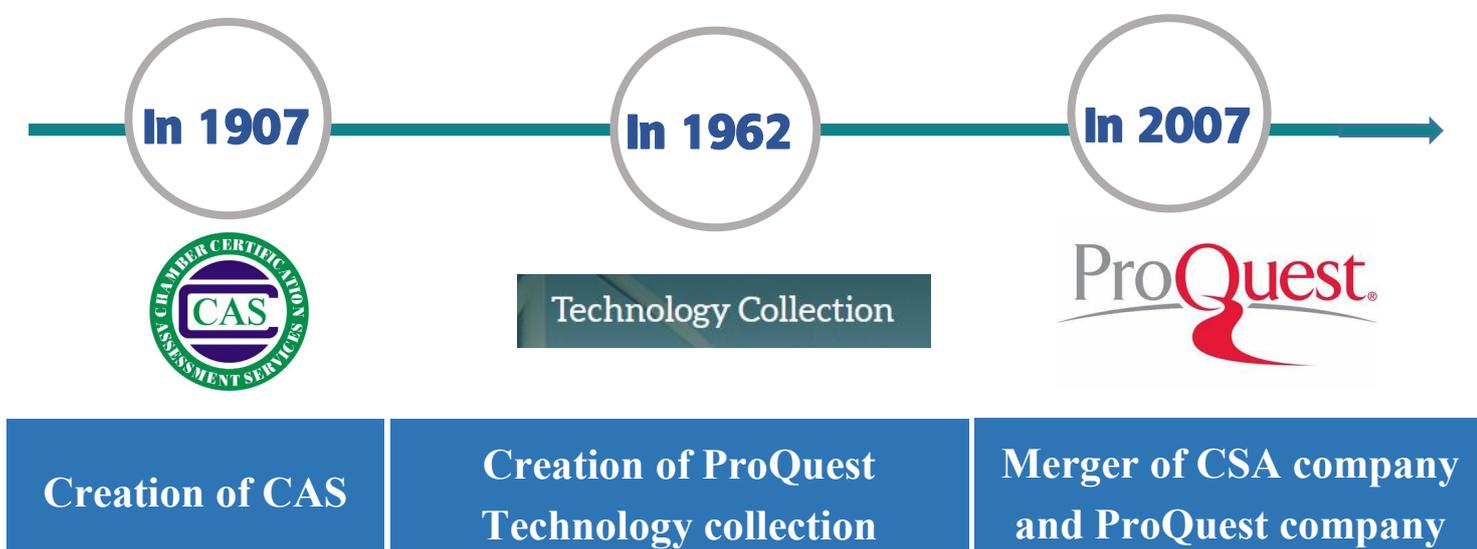
The ProQuest Subject Collection Database originates from Cambridge Scientific Abstracts (CSA), preserving the primary professional abstracts and indexes while augmenting its repository with an excess of 13,000 full-text contents. Tailored explicitly for the academic community, with a focus on university educators and students, its design facilitates a streamlined search process for subject-specific materials. Encompassing an array of global academic resources, the database comprises journals, conference papers, reports, and news across diverse disciplines, spanning the natural sciences, technology, social sciences, and the humanities.



1 Development History

◆ Three Stages

The historical trajectory of the ProQuest Subject Collection Database spans more than a century.

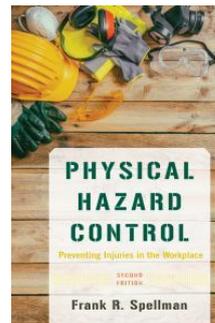
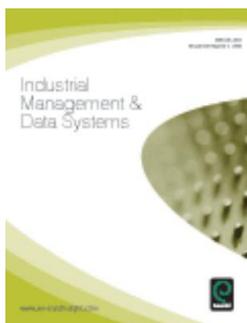


2

Resource Profile

◆ Resource Types

- **Types:** journals, commercial publications, books/monographs, conference papers, reports, news, videos, etc.



◆ Resource Quantity

- **Quantity:** Over **13,000 full-text resources** to cater to diverse user requirements.



◆ Domain Coverage

- ProQuest Subject Collection Database furnishes an array of full-text publications sourced from globally acclaimed publishers, academic associations, institutions, and universities, including ABI/INFORM Collection, covering four main areas and various topics:

Natural science

Technology



- **Four main areas:**

- Natural science
- Technology

Social science



Humanities

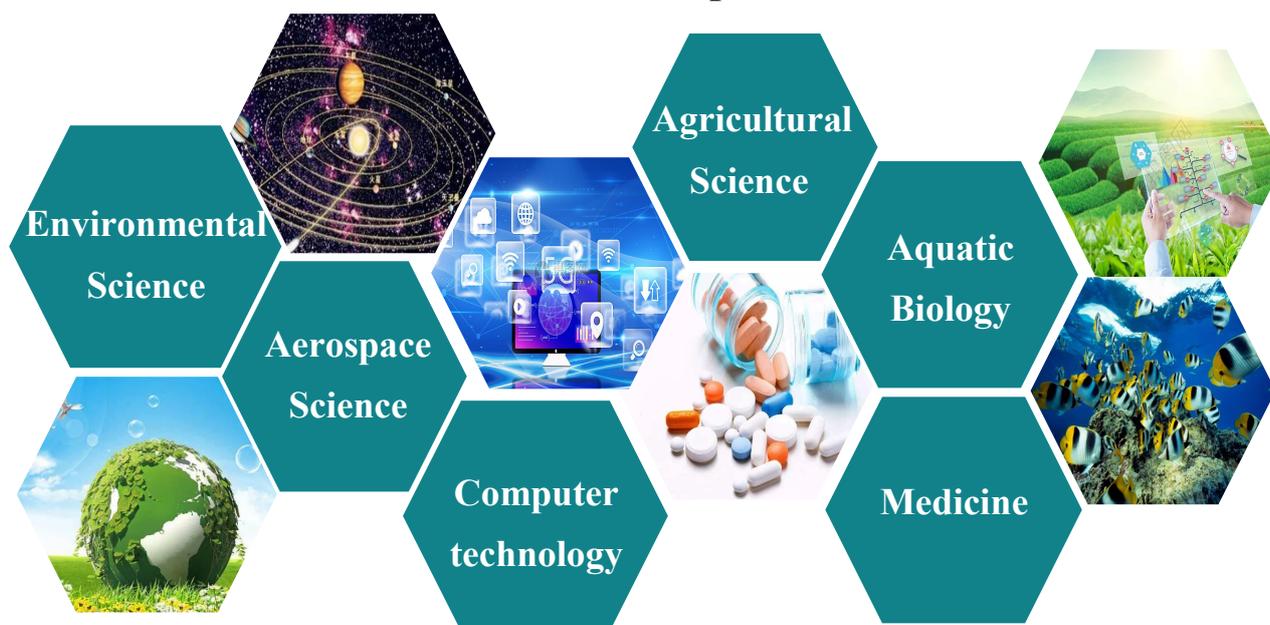


■ Four main areas:

- Social science
- Humanities

■ Subject Coverage:

- The database comprehensively addresses a spectrum of subjects, including but not limited to aerospace science, agricultural science, aquatic biology, medicine, computer technology, engineering, environmental science, and other pertinent domains.



3

Update Frequency

■ Update Weekly:

- To provide the latest academic research results and frontier information.

Part 2 Operating Guide

1 Access Methods

- ProQuest supports both on-campus access and off-campus access.
- Link: <https://www.proquest.com/technology>

◆ On-campus Access

Step 1: Connect to the campus network

Step 2: Enter the website of Southeast University Library

(Website: <http://lib.seu.edu.cn/>)



Step 3: Enter the CSA Database:

- Choice 1: Click “database”, and then enter “ProQuest Subject Album Database (CSA)” or related words in the search box.



- **Choice 2: Click the arrow, and find the CSA database in foreign language database navigation.**



Step 4: Click the link to enter the ProQuest database.

序号	名称	语种	详情
1	Pearson培生电子教材	外文数据库	点击查看
2	PNAS (美国国家科学院院刊)	外文数据库	点击查看
3	ProQuest电子书 (EBC)	外文数据库	点击查看
4	ProQuest健康与医学学科专辑数据库 (PHMC) <small>new</small>	外文数据库	点击查看
5	ProQuest全球博硕士学位论文数据库 (PQDT Global)	外文数据库	点击查看
6	ProQuest学科专辑数据库 (CSA)	外文数据库	点击查看
7	ProQuest综合学术期刊数据库 (PRL)	外文数据库	点击查看

◆ Off-campus Access

- There are **two access methods** without campus network.

● Method 1: VPN

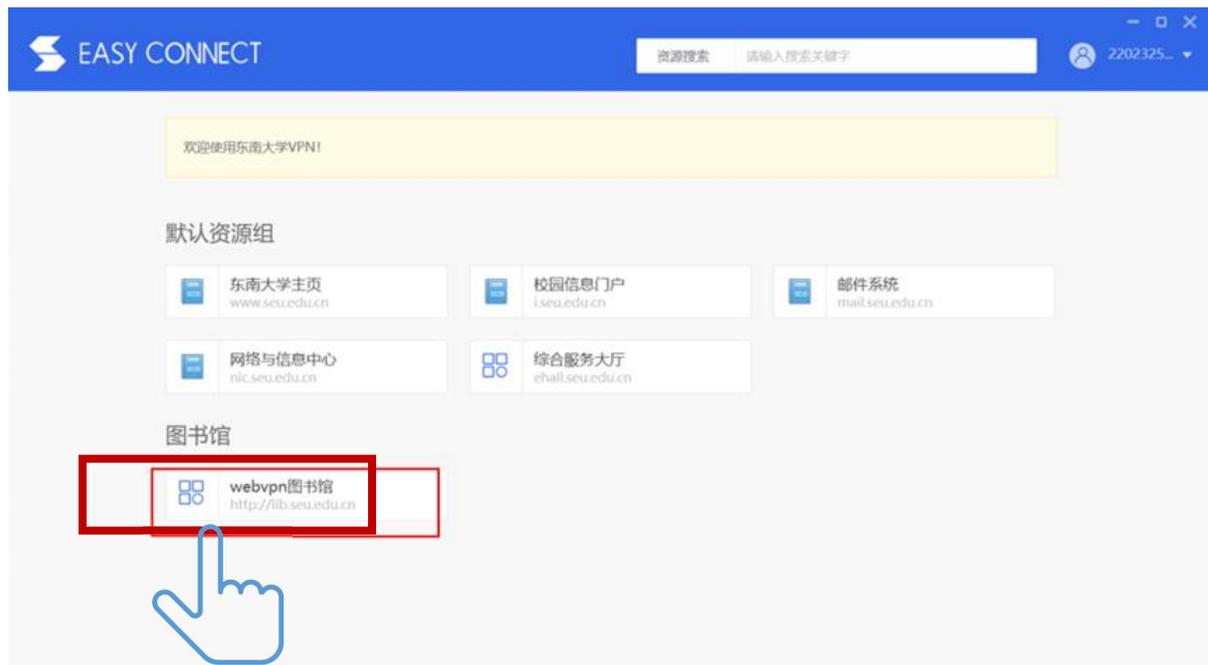
Step 1: Log in the VPN

- Vpn website address: <https://vpn.seu.edu.cn>
- For the first use, you should download and install the client.
- Username is campus card account, and password adopts unified authentication password. (If you can't log in, please contact with Network and Information Center at 83790808.)



Step 2: Click “webvpn library” button (see in the next page).

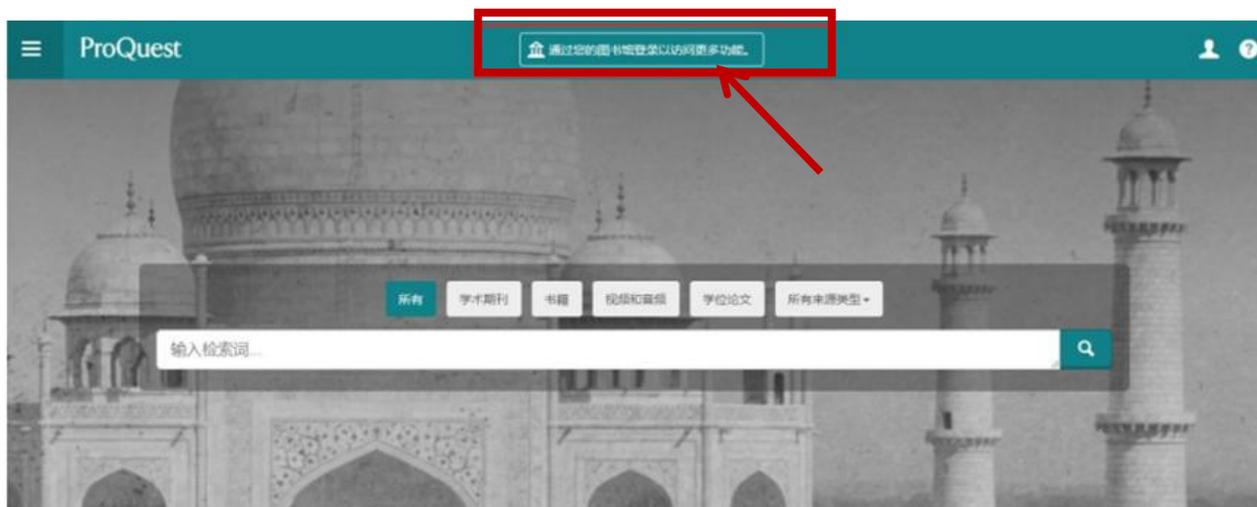
Step 3: The following steps are as same as the on-campus access method.



● Method 2: Direct access through CARSI

Step 1: Enter the ProQuest website address in the browser.

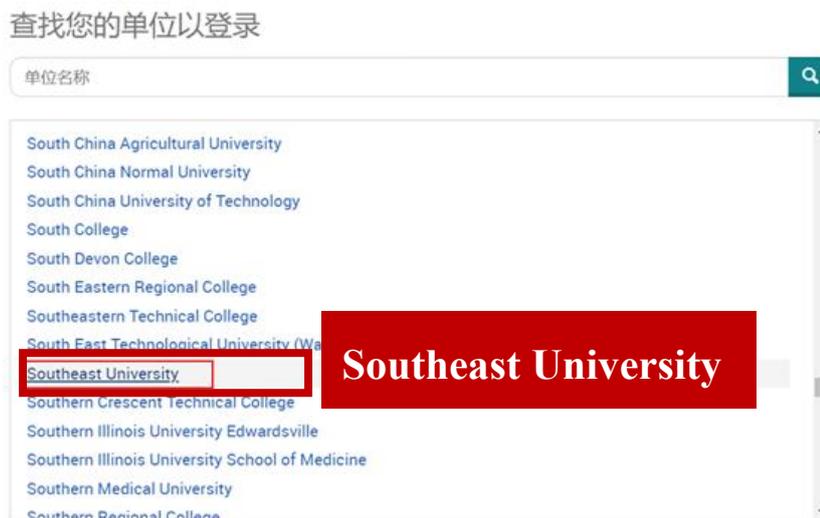
■ Website: <https://search.proquest.com>



Step 2: Click the “Institution Local Login” button to log in.



Step 3: Select “Southeast University” in the tab.

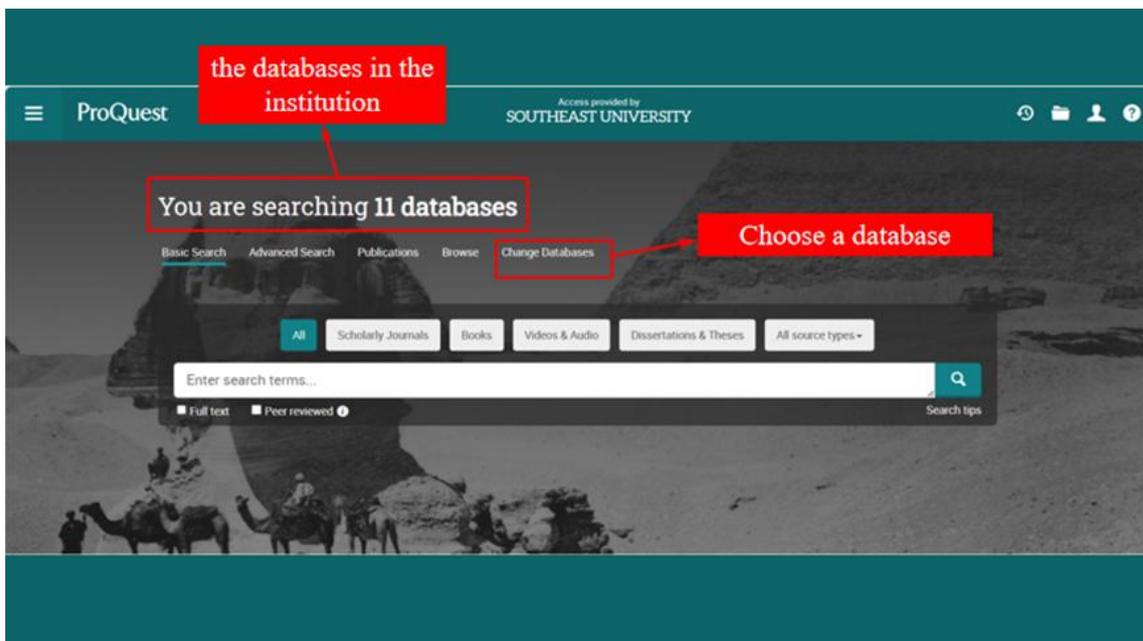
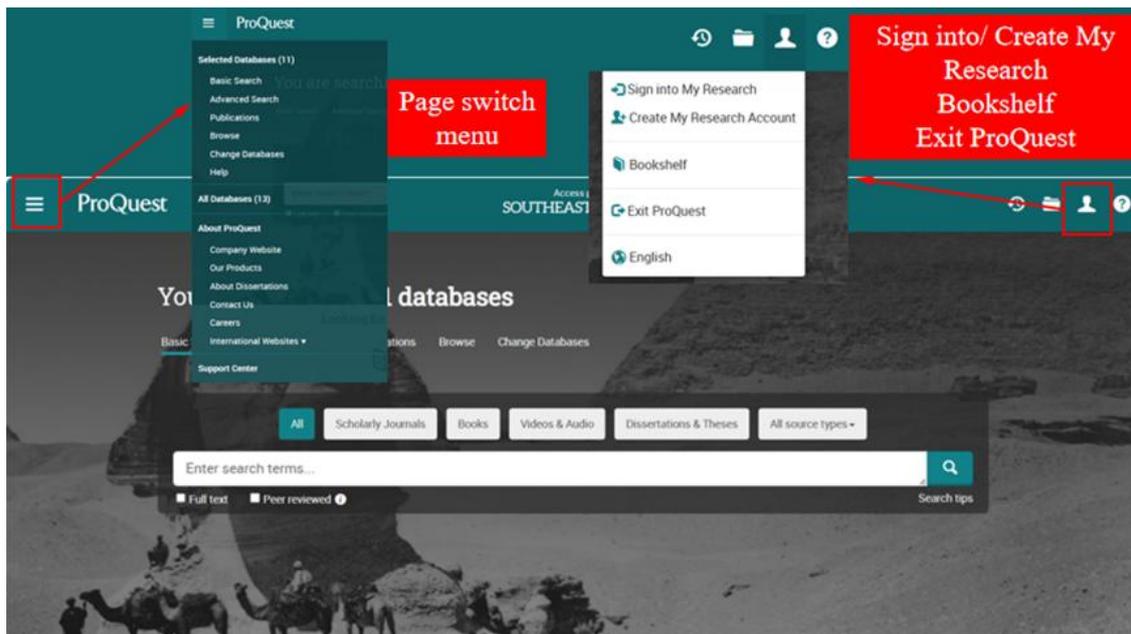


Step 4: Log in according to the steps in VPN and search the resources you need.

2

Search Methods

Page Introduction

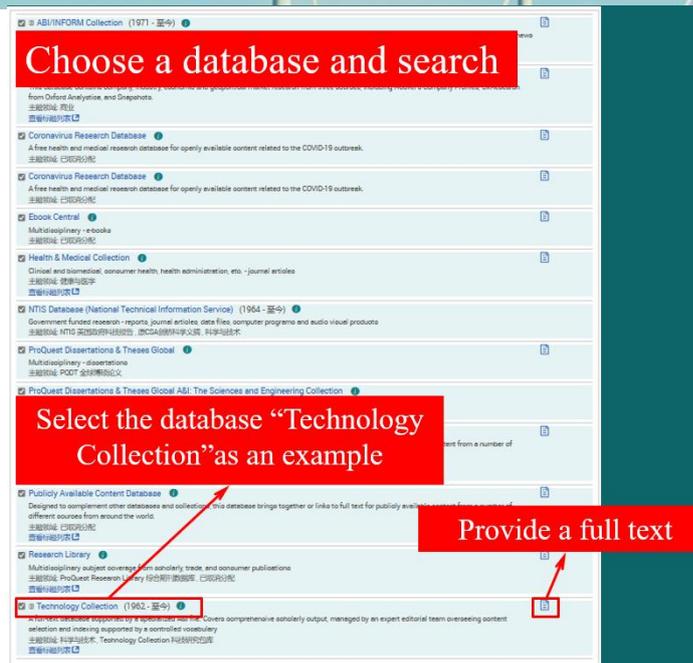
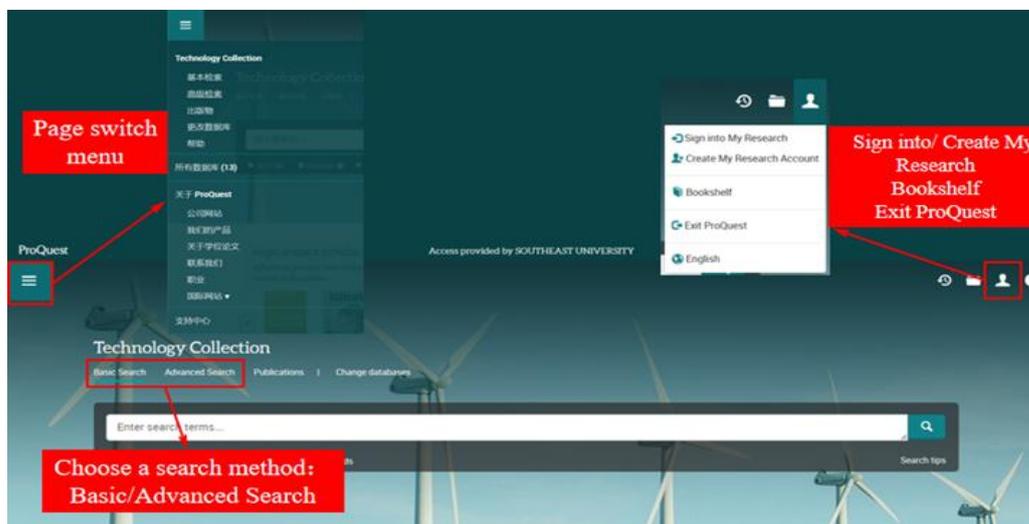


Preparatory Work



Preparatory work : Find out the database

- Southeast University Library subscription to ProQuest can contain multiple databases and you can select the database page to change the database selection.
- Click the database link to open the database list and choose the ProQuest Technology collection in the drop-down list.



Start to search for different resources you need

Basic Search

Step 1: Enter keywords and click the search



Step 2: Browse the search results

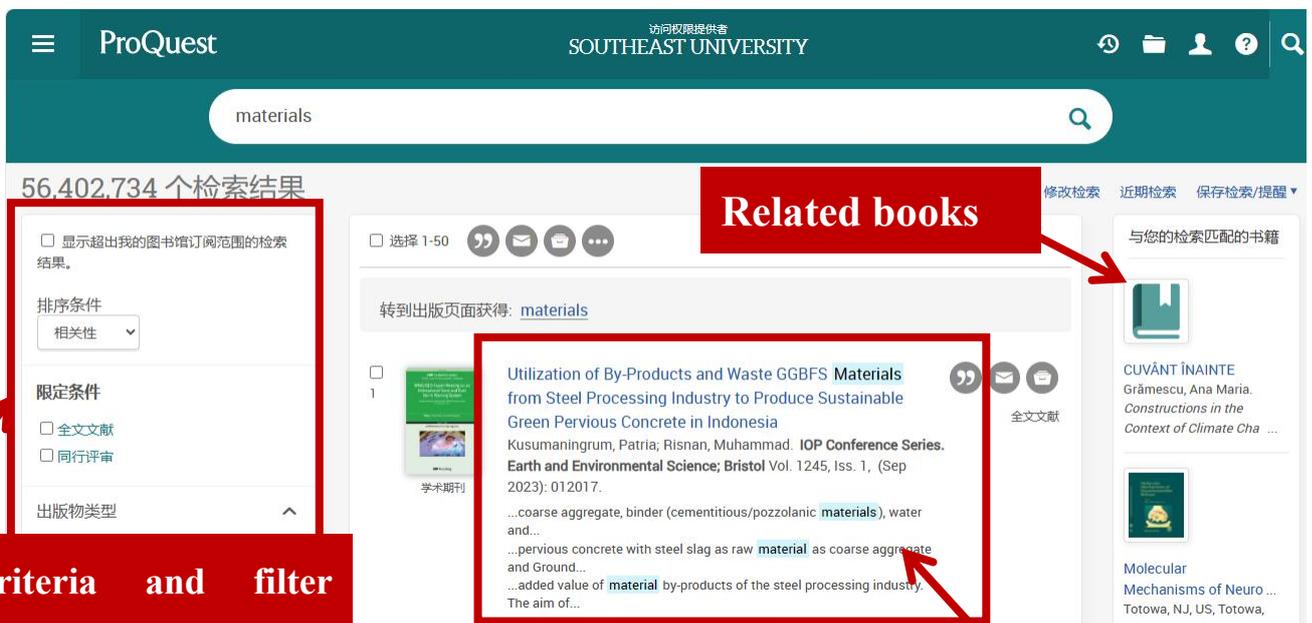
■ The shown information:

authors, author affiliation, article name, volume number, publication date, author affiliation, related books

■ Resource type: scholarly journals, books, audio & video works, dissertations & theses, newspapers, etc.

Step 3: Sort and filter the results & Quadratic search

■ Check on the Sort criteria and filter criteria on the left side of the page.

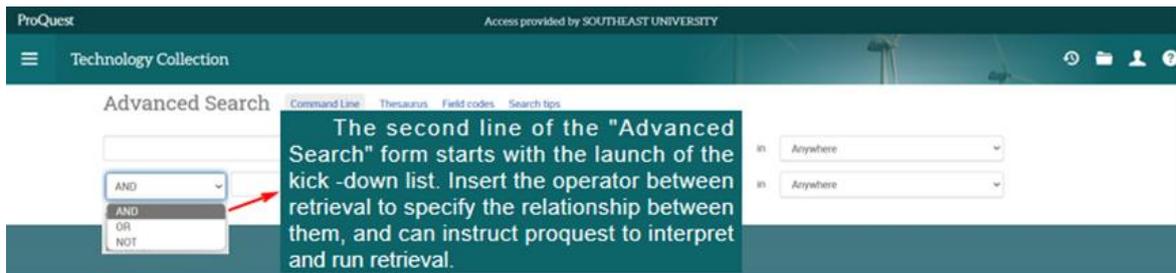


Sort criteria and filter criteria for quadratic search

Information

Advanced Search

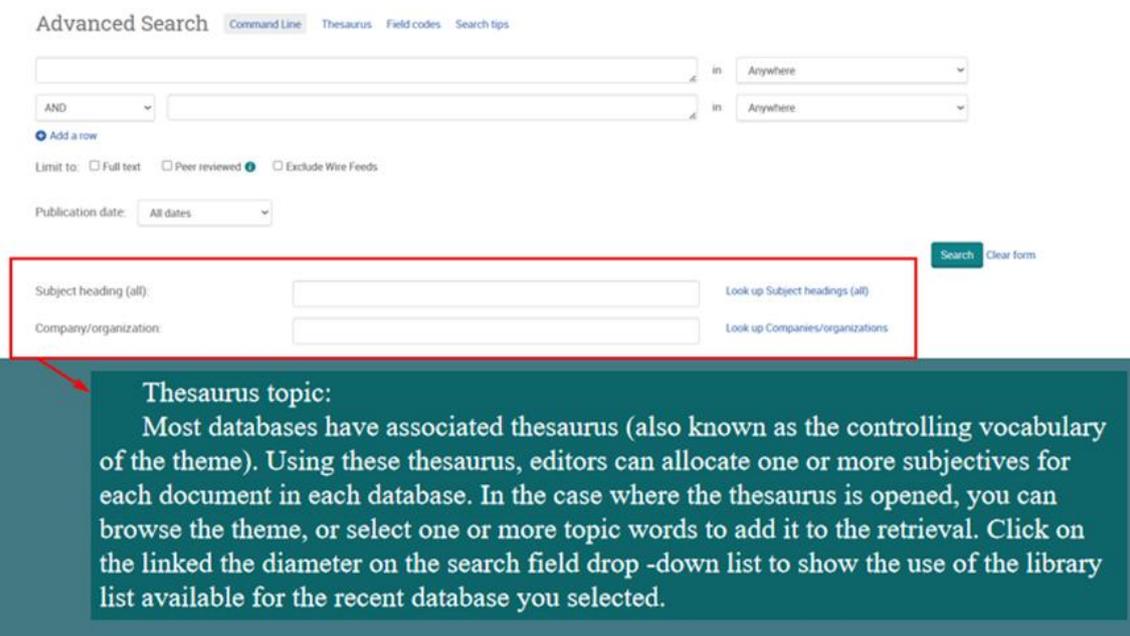
Step 1: Enter keywords and click the “search” and “add”



The second line of the "Advanced Search" form starts with the launch of the kick-down list. Insert the operator between retrieval to specify the relationship between them, and can instruct proquest to interpret and run retrieval.

Operator	illustrate
AND	Find documents containing all retrieval words in the specified (or any) retrieval field. And is the default choice, which means that if you do not change it, Proquest will find a document containing all your search words.
OR	Find documents containing any retrieval words in the specified (or any) search field.
NOT	Find the first document containing the first retrieval word containing the specified (or any) retrieval field.

Step 2: Select the types and other criteria



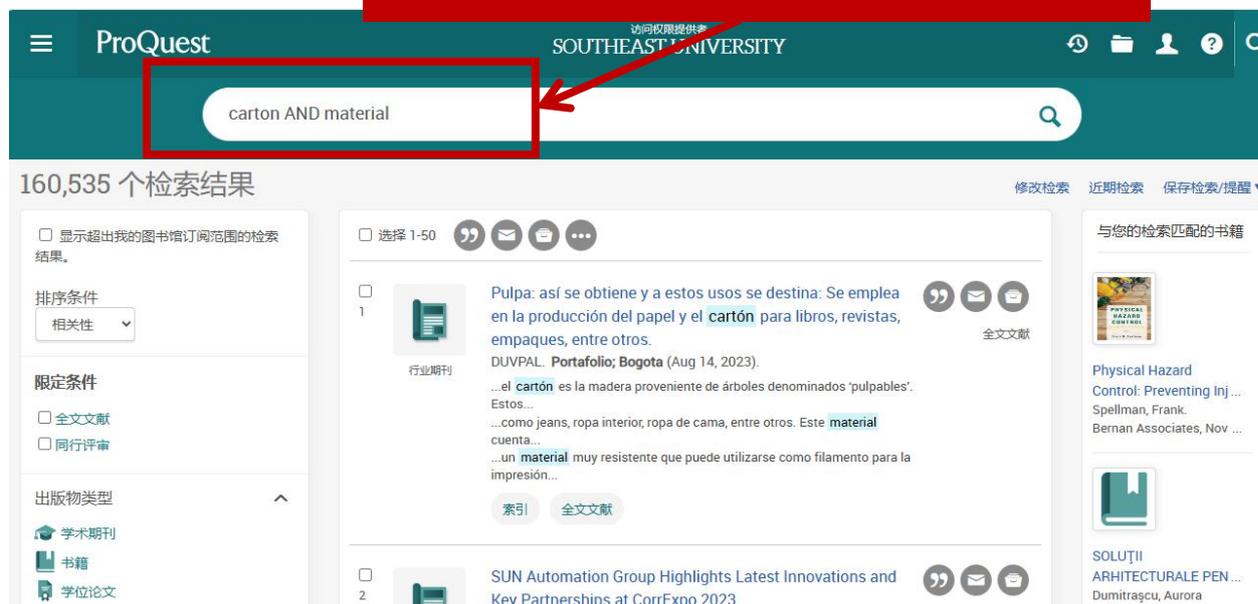
Subject heading (all): Look up Subject headings (all)

Company/organization: Look up Companies/organizations

Thesaurus topic:
Most databases have associated thesaurus (also known as the controlling vocabulary of the theme). Using these thesaurus, editors can allocate one or more subjectives for each document in each database. In the case where the thesaurus is opened, you can browse the theme, or select one or more topic words to add it to the retrieval. Click on the linked the diameter on the search field drop-down list to show the use of the library list available for the recent database you selected.

Step 3: Browse the search results and sort as shown in Basic Search

Search mode of advanced research



The screenshot shows the ProQuest search interface. At the top, the search bar contains the query "carton AND material". Below the search bar, the results are displayed in a list format. The first result is a document titled "Pulpa: así se obtiene y a estos usos se destina: Se emplea en la producción del papel y el cartón para libros, revistas, empaques, entre otros." with a snippet mentioning "cartón" and "material". The second result is "SUN Automation Group Highlights Latest Innovations and Key Partnerships at CorrExpo 2023". On the left side, there are filters for sorting (相关性) and limiting conditions (全文献, 同行评审). On the right side, there are recommendations for books matching the search.

3 Read and Download

Read

- ProQuest supports online reading of retrieved articles or downloading the full text. You can download in a bulk and download up to 50 pieces at a time.
- When you run a search, ProQuest returns a list of matching documents. Click any document in the list to open it in Document View.



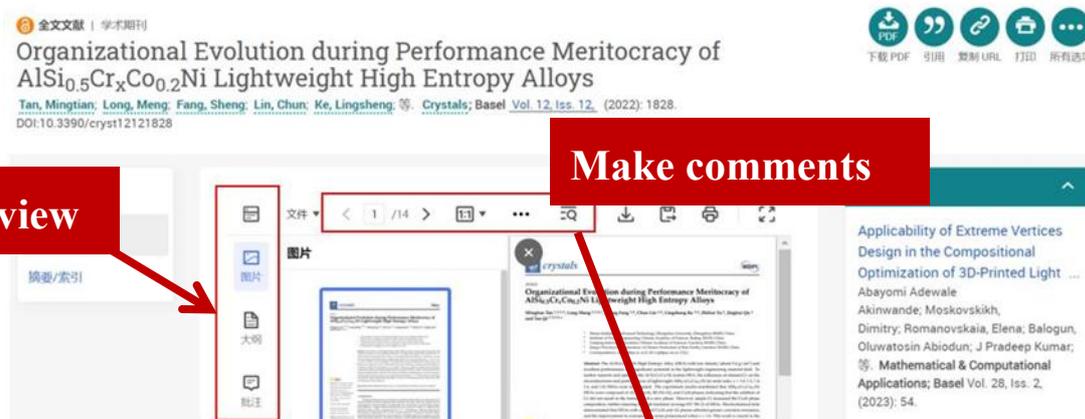
The screenshot displays a search results page on ProQuest. At the top left, there is a '快速浏览' (Quick View) button. The results are listed in three items:

- Item 1:** Title: 'Organizational Evolution during Performance Meritocracy of AlSi_{0.5}Cr_xCo_{0.2}Ni Lightweight High Entropy Alloys'. The title is highlighted with a red box. Authors: Ian, Mingtian; Long, Meng; Fang, Sheng; Lin, Chun; Ke, Lingsheng; 等. Journal: *Crystals*; Basel Vol. 12, Iss. 12, (2022): 1828. Abstract snippet: '...performances. Lightweight HEAs were referred as high entropy alloys whose... lightweight high entropy alloys and is of major relevance in the field of... lightweight Al-Si-Cr-Co-Ni high entropy alloy, the structural evolution and...'. Action buttons: '摘要/索引', '全文文献', '全文 - PDF 格式 (9 MB)'. Icon: '全文文献'.
- Item 2:** Title: 'Experimental research on mechanical performance of the lightweight composite slabs Research Progress on the Lightweight High-Entropy Alloys'. Authors: Gao, Yibo. Journal: *Journal of Physics: Conference Series*; Bristol Vol. 2393, Iss. 1, (Dec 2022): 012041. Abstract snippet: '...light elements to obtain the lightweight high-entropy alloy (HEA) with the... high-entropy alloy, a new multi-principal element alloy...'. Action buttons: '摘要/索引', '全文 - PDF 格式 (327 KB)'. Icon: '全文文献'.
- Item 3:** Title: 'Applicability of Extreme Vertices Design in the Compositional Optimization of 3D-Printed Lightweight High - Entropy - Alloy /B₄C/ZrO₂/Titanium Trihydrid ...'. Authors: Abayomi Adewale Akinwande; Moskovskikh, Dmitry; Romanovskaia, Elena; Balogun, Oluwatosin Abiodun; J Pradeep Kumar; 等. Journal: *Mathematical & Computational Applications*; Basel Vol. 28, Iss. 2, (2023): 54. Abstract snippet: '...host matrix densities [27]. Recent lightweight high-entropy alloys (LHEA)... temperature stability, and wear and corrosion resistance, high-entropy alloys...'. Icon: '全文文献'.

- Documents can be available in one or more formats, such as Full text, or Abstract/Details.



- In the “Full text - PDF format”, you can adjust the document to the appropriate view and highlight the key points in the document.



Developing affordable and light high-temperature alternative Al-Ni-based alloys has significantly increased the... currently developed ferritic... which limits their usage. Here we use a CALPHAD-based high-throughput computational method to design light, strong, and low-cost high-entropy alloys for elevated-temperature applications. Through the high-throughput screening, precipitation-strengthened lightweight high-entropy alloys are discovered from thousands of initial compositions, which exhibit enhanced strengths compared to other counterparts at room and elevated temperatures. The experi-

Download

■ Method 1

- If the document provides “Full text - PDF format”, click the toolbar icon labeled “Download PDF”.

High-throughput design of high-performance lightweight high-entropy alloys
Feng, Rui; Zhang, Chuan; Gao, Michael C; Zongrui, Pei; Zhang, Fan; 等. *Nature Communications*; London Vol. 12, Iss. 1, (2021).
... high-throughput screening, precipitation-strengthened lightweight high-entropy ...
...design light, strong, and low-cost high-entropy alloys for elevated-temperature...
...materials tuned by the high-entropy alloy concept. Advanced screening...

学术期刊

全文献

摘要/索引

全文 - PDF 格式 (3 MB)

Times cited 77 on Web of Science

全文献 | 学术期刊

Organizational Evolution during Performance Meritocracy of $AlSi_{0.5}Cr_xCu_{0.2}Ni$ Lightweight High Entropy Alloys
Tan, Mingtian; Long, Meng; Fang, Sheng; Lin, Chun; Ke, Lingsheng; 等. *Crystals*; Basel Vol. 12, Iss. 12, (2022): 1828.
DOI:10.3390/cryst12121828

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摘要/索引

建议来源

Applicability of Extreme Vertices Design in the Compositional Optimization of 3D-Printed Light ...
Abayomi Adewale
Akinwande, Moskovskikh,
Dimitry; Romanovskaia, Elena; Balogun,
Oluwatosin Abiodun; J Pradeep Kumar;
等. *Mathematical & Computational Applications*; Basel Vol. 28, Iss. 2, (2023): 54.

■ Method 2

- If the document doesn't provide "Full text - PDF format", click "All options" button. You can generate a PDF containing the citation, abstract and indexing.

21  **Mechanical properties and corrosion behavior of novel Al-Mg-Zn-Cu-Si lightweight high entropy alloys**
Ji, Chengwei; Ma, Aibin; Jiang, Jinghua. *Journal of Alloys and Compounds; Lausanne* Vol. 900, (Apr 15, 2022): 1.
...-x Zn 30 Cu 5 Si x (x = 5,10,15) lightweight high entropy alloys were...
...high entropy alloys (HEAs) have great application...
... Lightweight ...

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引文/摘要

摘要/索引 Times cited 18 on Web of Science

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Mechanical properties and corrosion behavior of novel Al-Mg-Zn-Cu-Si lightweight high entropy alloys
Ji, Chengwei; Ma, Aibin; Jiang, Jinghua. *Journal of Alloys and Compounds; Lausanne* Vol. 900, (Apr 15, 2022): 1.

引用 复制链接 打印 更多选项

Export/Save

Output to: PDF

Content: Citation, abstract, indexing
(where available)

Bibliography: Include bibliographic citations at the end

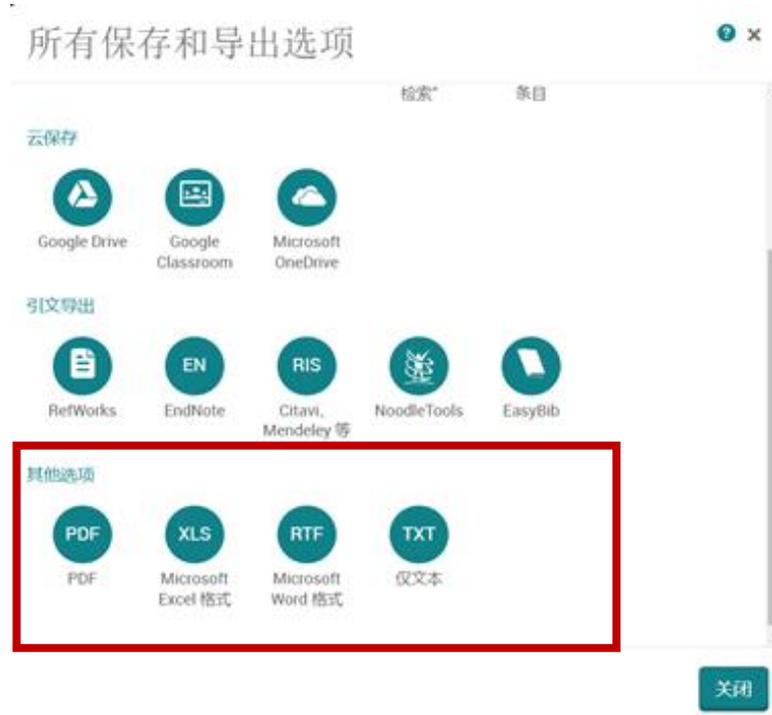
Citation style: APA 6th - American Psychological Association, 6th Ed

Include: Recent searches
 Cover page/header
 Table of contents
 Document numbering

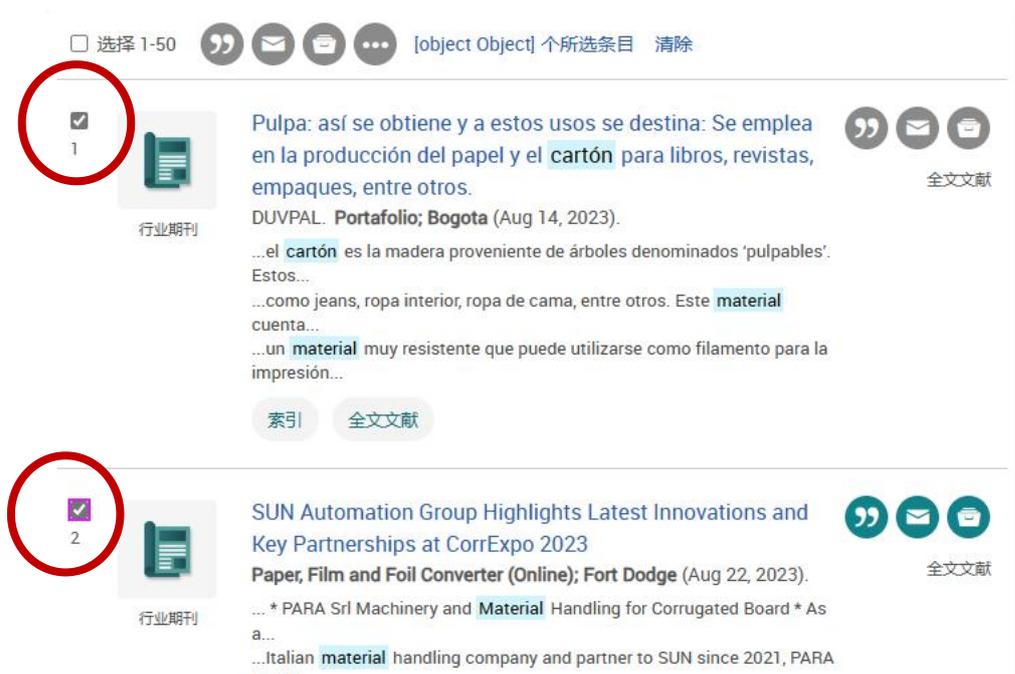
A permanent link to each document will be saved with your file.
By entering all required information you consent to its use by ProQuest to enable features and functionality.

Cancel Continue

- Other formats including “XLS”, “RTF”, “TXT” are available.



- Click on more than one checkboxes, and you can download a bulk and download up to 50 pieces at a time.



Database platform features

Special Resources

- **Blogs, Podcasts and Websites:** These types of resource provide text logs and audio files that people post on numerous Internet platforms around the world.



- **Wire Feeds:** This type of resource provides news resources around the world, including major newspapers, news magazines, and press releases. Users can search for and get the latest news reports and analysis.

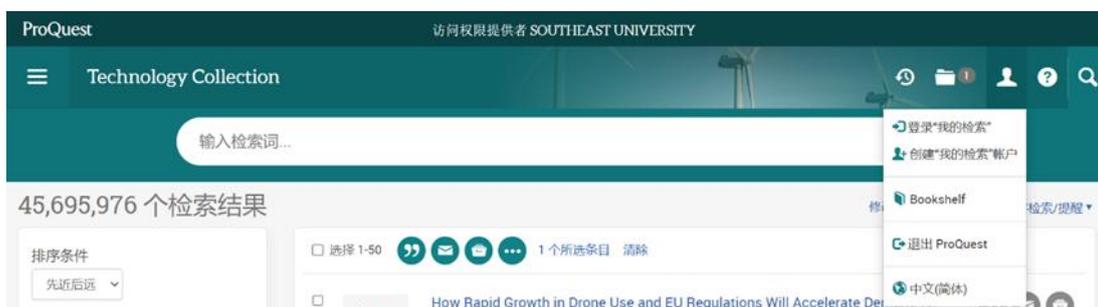


- **Audio and Video Works :** This is a special type of resources for the ProQuest. This resource provides video and audio works in multiple fields, helping people with more intuitive access to the information they need.

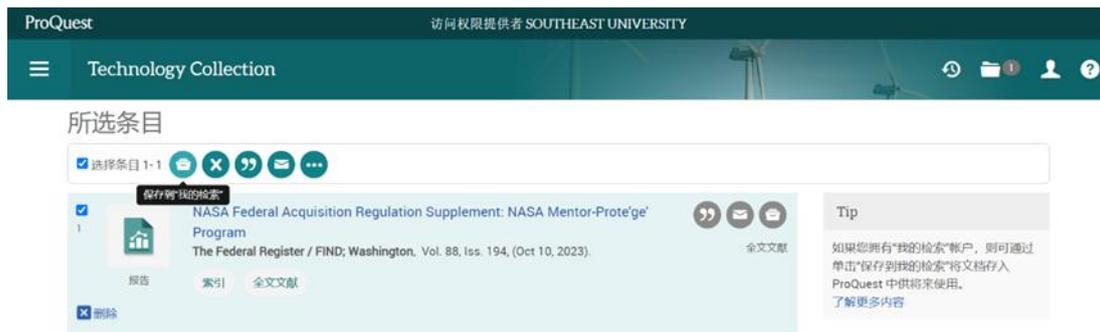


Customization Functions

- **Account Settings:** Users can create a personal account according to their needs, through which the account can be personalized and managed. Account Settings include saving search results, creating bookmarks, setting up alerting.



- **Save and Share Search Results:** Users can save the search results they are interested in to My Research Account for easy future viewing and reference. In addition, users can choose to share search results with others to collaborate or demonstrate research results.



- **Personal Account:** Users can create personal account, save personal search mode and subscribe RSS.

- **Steps:**

- **Click “Create My Research Account” button and register with email account.**



创建帐户

设置“我的检索”帐户非常简单并且对所有 ProQuest 用户免费。此帐户可让您保存文档、检索、定题通告等。

必填*

电子邮件地址*

密码*

确认密码*

我至少 13 岁。*

我同意根据隐私政策收集和使用权我的个人信息，并且我承认依照条款和条件使用此服务。未经您同意，我们无法创建帐户。*

清空检索表格

创建帐户

 已保存文档

保存和组织文档和其他条目。

 已保存检索

保存、重新运行和修改您的检索。

 定题通告和 RSS 荟萃

查看和管理您的检索和 RSS 荟萃。

 个性化检索设置

自定义您的界面和检索设置。

 RefWorks

- **Save, manage, and organize the content and supporting materials including documents, searches, search alerts, RSS feeds, and more in My Research.**

我的检索



文档 (0) 检索 (0) 定题通告 (0) RSS 荟萃 (0) 检索插件 帐户

文件夹: 所有文档(0)

所有文档

您尚未将任何文档保存到“我的检索”。要保存文档:

1. 运行 [检索](#)。
2. 在检索结果中, 选中与要保存的每个文档相对应的复选框。
3. 单击检索结果顶部的[保存到我的检索](#)。
4. 登录“我的检索” (如果您没有帐户, 请创建帐户) 以查看已保存的文档。

排序条件:

已添加日期 排序

视图

所有文档
不在文件夹中的文档

文件夹

管理文件夹
新建文件夹