

# ASCE数据库使用指南



# 大 纲

- 了解ASCE出版社
- 数据库内容和品质
- 平台功能和检索技巧
- 投稿指南

# ASCE学会 — 全球土木工程领域领导者

- ✓ American Society of Civil Engineers (ASCE)
- ✓ 成立于1852年，是美国最早成立的科技学协会之一。服务于177个国家超过15万的专业会员。
- ✓ 每年出版5万多页的专业期刊、杂志、会议录、专著、技术报告、实践手册和标准等。
- ✓ ASCE出版物全面而权威，其期刊是土木工程领域的重要核心期刊。

 **ASCE** AMERICAN SOCIETY®  
OF CIVIL ENGINEERS

# ASCE学会 一下属9个技术部门

ASCE旗下特定学科的研究所，汇集了来自世界各地的志愿者，旨在提高该专业领域的技术水平、商业化水准和专业知识储备。通过会议、研讨会、同行评审期刊、书籍、实践手册、研讨会、网络研讨会和共识标准，促进学术交流、分享经验和实践。

- 建筑工程学会（ARCHITECTURAL ENGINEERING INSTITUTE, AEI）
- 海岸、海洋、港口和河流研究所（COASTS, OCEANS, PORTS AND RIVERS INSTITUTE, COPRI）
- 建筑协会（CONSTRUCTION INSTITUTE, CI）
- 工程力学研究所（ENGINEERING MECHANICS INSTITUTE, EMI）
- 环境与水资源研究所（ENVIRONMENTAL AND WATER RESOURCES INSTITUTE, EWRI）
- 地质研究所（GEO-INSTITUTE, G-I）
- 运输与发展研究所（TRANSPORTATION AND DEVELOPMENT INSTITUTE, T&DI）
- 结构工程研究所（STRUCTURAL ENGINEERING INSTITUTE, SEI）
- 公用工程与测量研究所（UTILITY ENGINEERING & SURVEYING INSTITUTE, UESI）

# ASCE学会 — 出版物

- 学术期刊(现刊, 过刊)
- 会议录、会议视频
- 学会杂志
- 电子图书
- 标准—其他平台



# ASCE | 期刊



34 种期刊

~10,000 篇技术论文

1983年至今

42年内容

期刊访问网址

<https://ascelibrary.org/journals>

# ASCE | 期刊品质

根据最新的期刊引用报告 ( 2022 JCR )

- ✓ 34种期刊被JCR收录
- ✓ 30种期刊影响因子超过2
- ✓ 有22种期刊的影响因子高于土木工程类期刊影响因子的中位数, 属于该类期刊的一区或二区;
- ✓ 近年来期刊平均影响因子持续增长

# ASCE | 期刊研究主题

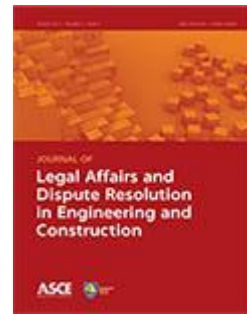
- 基础设施管理和安全
- 结构工程
- 水和水资源
- 土木工程专业
- 建筑工程
- 材料
- 运输工程
- 桥梁
- 灾难
- 环境工程
- 人行道
- 可持续发展

## ASCE 34种现行期刊

### 建筑



### 施工



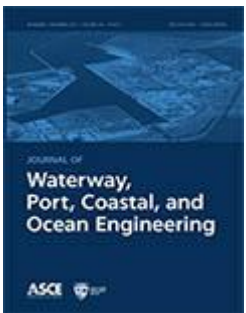
### 工程力学



### 岩土工程



### 海岸/海洋/港口/河流/水道



### 环境与水资源



## ASCE 34种现行期刊

### 交通运输



### 工程管理与教育



### 公用设施与测量



### 土木工程交叉多学科



## ASCE 34种现行期刊

### 结构工程



ASCE现行期刊用户还可以访问:

- 3种已停止发行的期刊的存档内容
- 1种OA期刊的内容

## ASCE 3种停刊期刊



## ASCE 1种OA期刊



ASCE OPEN: Multidisciplinary  
Journal of Civil Engineering

# ASCE | 过刊



- 包括16种现有期刊的过刊
- 1872年至1982年共111年的内容
- 39,000篇可搜索的PDF技术论文
- 包括高质量扫描的图像、插图和图表
- 在当前所有ASCE 现有期刊文章中，存档内容被引用超过27,000次
- 通过ASCE Library平台访问、与ASCE期刊无缝集成

# ASCE | 会议录



700+ 卷会议录  
~70,000 篇技术论文  
2000 年至今  
25年完整回溯

会议录列表网址

[ascelibrary.org/proceedings](https://ascelibrary.org/proceedings)

# ASCE | 会议录研究主题

航空航天工程  
建筑工程  
桥梁工程  
土木工程  
海岸工程  
寒区工程  
土木工程  
工程计算  
建造工程  
灾害能源工程

工程力学  
环境工程  
鉴识工程  
岩土工程  
历史和遗产  
基础设施管理和安全  
生命线系统  
材料  
海洋工程  
道路

城市管道  
港口  
风险管理  
结构工程  
可持续发展  
运输工程  
隧道和地下建设  
城市规划和发展  
水资源  
水道

# ASCE | Civil Engineering Magazine



1500+ 文章和特色栏目

2005 年至今  
20年完整回溯

CEM杂志网址

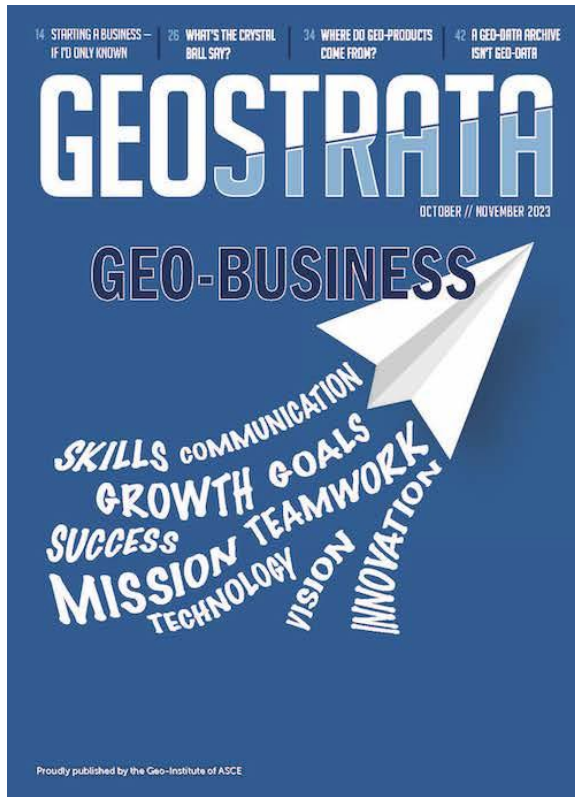
[ascelibrary.org/journal/ciegag](https://ascelibrary.org/journal/ciegag)



# ASCE | Civil Engineering Magazine覆盖主题

- 发表关于土木工程成就和专业问题的记录。
- 专题文章描述强调创新的关键土木工程项目和结构。
- 还包括关于法律问题、技术、道德和历史成就等专栏。

# ASCE | GEOSTRATA Magazine



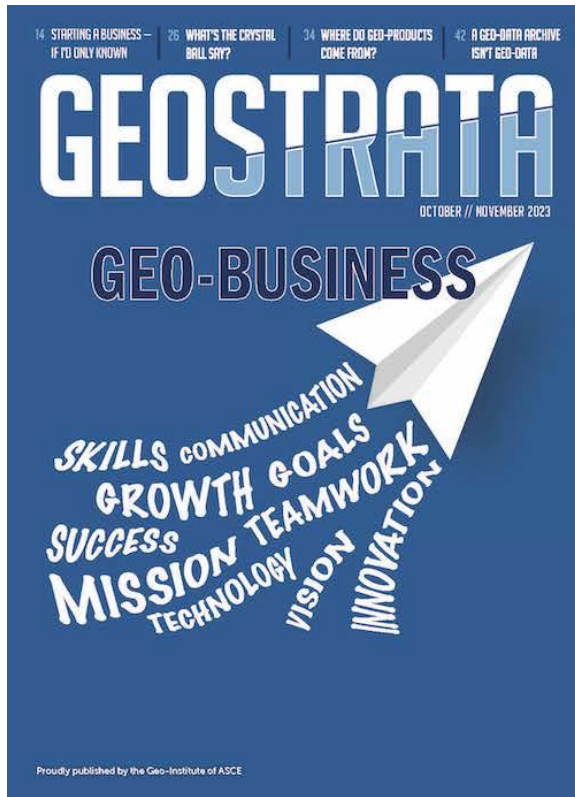
500+ 文章和特色栏目

2016 年至今  
9年完整回溯

GEOSTRATA杂志网址

<https://ascelibrary.org/journal/geosek>

# ASCE | GEOSTRATA Magazine覆盖主题



专注于收录通过使用独特技术和创新工艺的岩土工程项目，为岩土专业人员提供其他需要了解的日常、真实世界的细节。

# ASCE | 电子图书

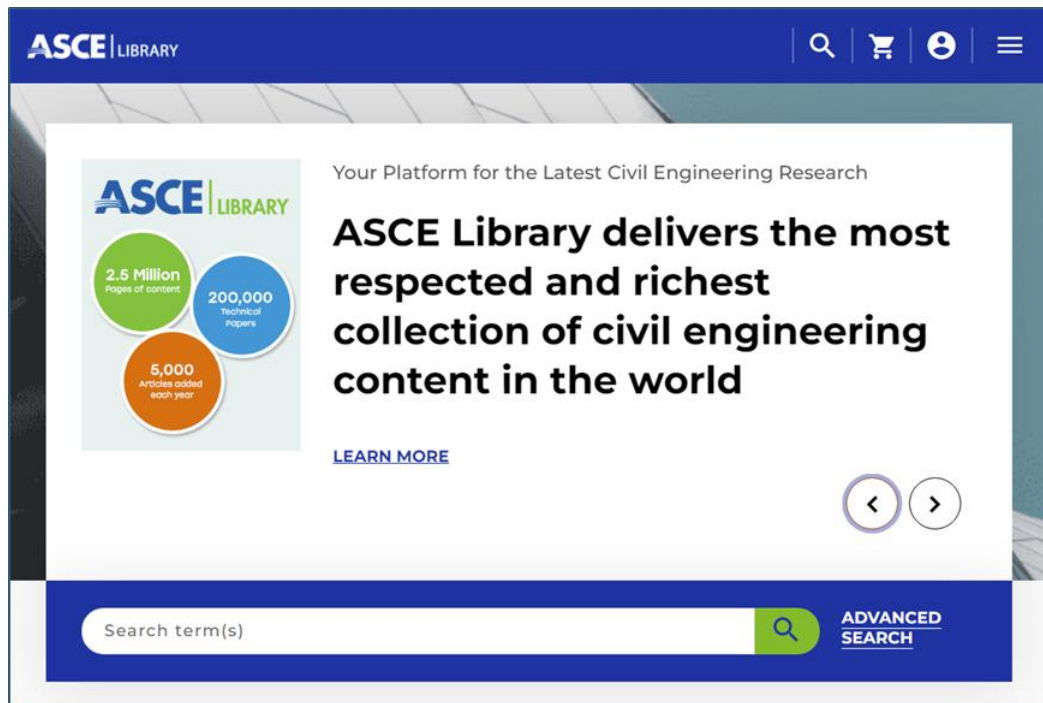


- 400+ ASCE 电子书
- 每年新增15-25本
- 无限制性DRM
- 章节级访问
- 可下载MARC记录
- 与期刊会议杂志在一个平台

电子图书访问网址

<https://ascelibrary.org/ebooks>

# ASCE数据库平台—ASCELibrary.org



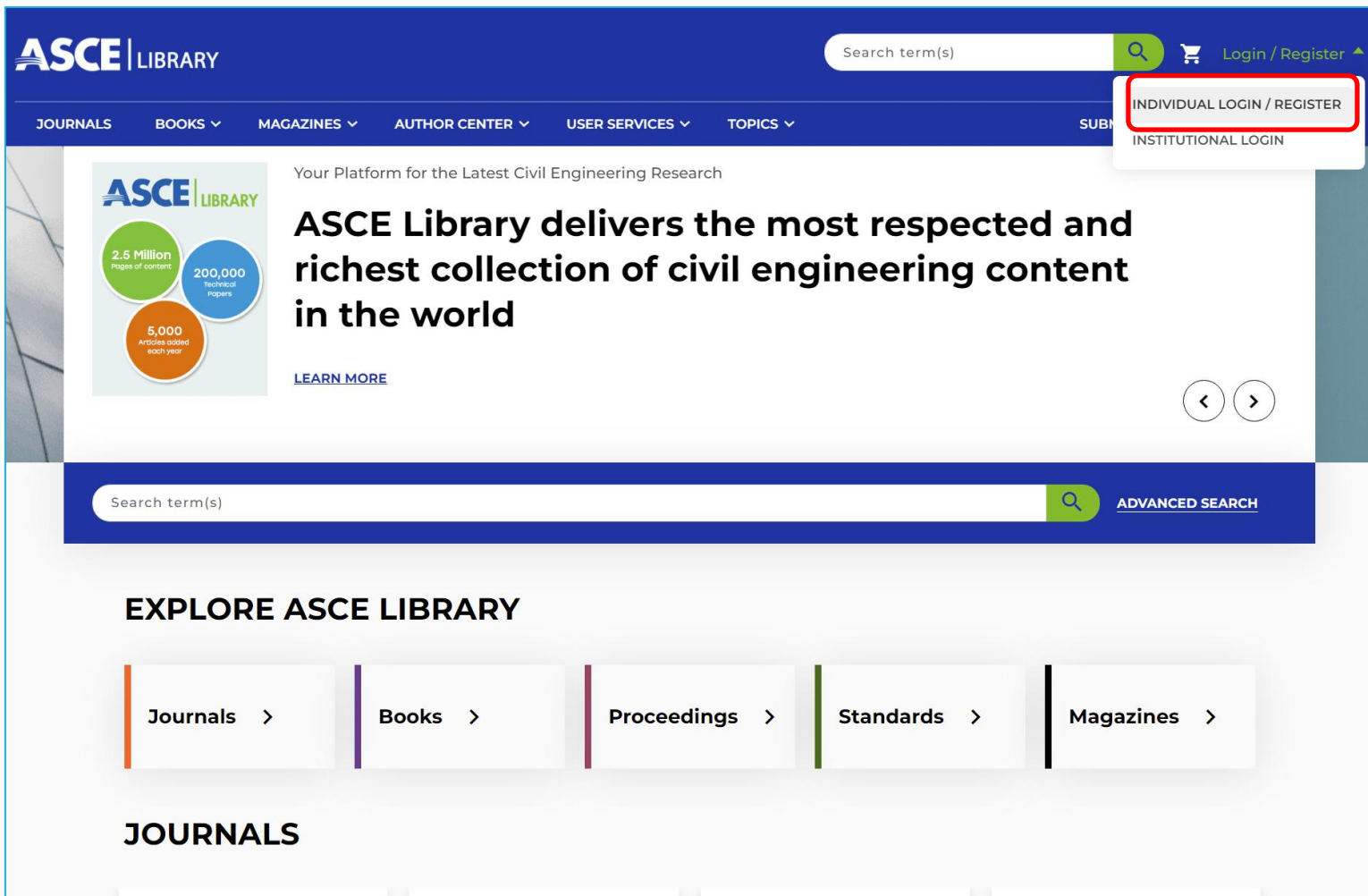
登录方法:

1. 校园IP内: <https://ascelibrary.org/>
2. 图书馆网站ASCE数据库连接
3. 校外VPN
4. 校外CARSI

# ASCE 数据库平台概况

- ASCE 使用自己设计的数据库平台，收录其所有电子出版物。
- 全球最大的土木工程资源库。
- 中国机构用户最多可访问 20万篇文献（期刊、会议录、杂志、图书）。
- 2023年全年中国高校用户下载量超过 150万。
- 在全球范围产生每月80万次的下载量。

## 注册个人账号

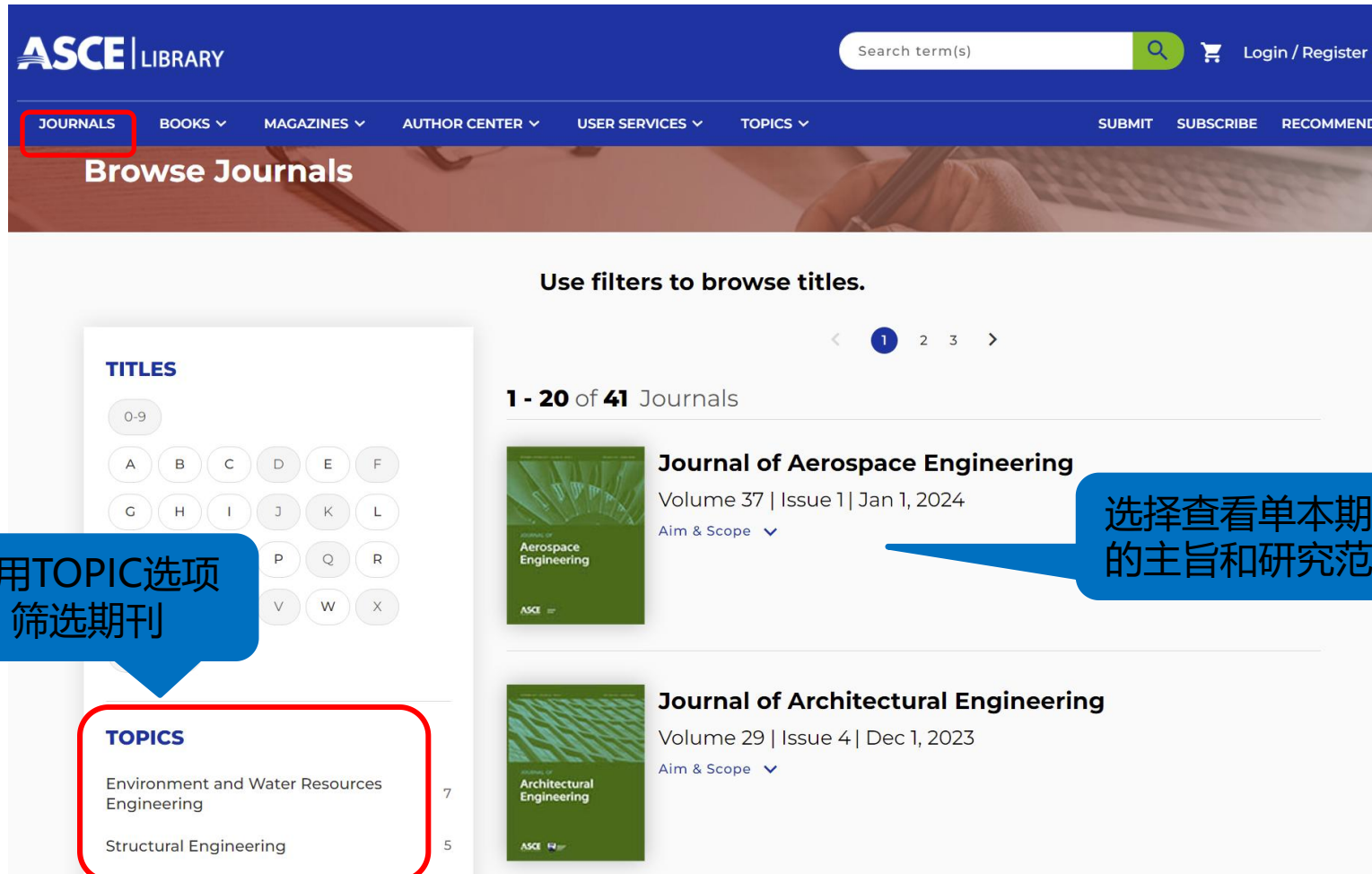


The screenshot shows the ASCE Library website. At the top, there is a navigation bar with the ASCE LIBRARY logo on the left and a search bar on the right. The search bar contains the text "Search term(s)" and a magnifying glass icon. To the right of the search bar are icons for a shopping cart and a user profile, with the text "Login / Register" next to the user profile icon. Below the navigation bar, there is a main banner area. On the left side of the banner, there are three circular statistics: "2.5 Million Pages of content", "200,000 Technical Papers", and "5,000 Articles added each year". To the right of these statistics, the text reads "Your Platform for the Latest Civil Engineering Research" and "ASCE Library delivers the most respected and richest collection of civil engineering content in the world". Below this text is a "LEARN MORE" link. In the top right corner of the banner area, there is a dropdown menu with the text "INDIVIDUAL LOGIN / REGISTER" highlighted in a red box, and "INSTITUTIONAL LOGIN" below it. Below the banner area, there is another search bar with the text "Search term(s)" and a magnifying glass icon, followed by the text "ADVANCED SEARCH". Below the search bar, there is a section titled "EXPLORE ASCE LIBRARY" with five buttons: "Journals >", "Books >", "Proceedings >", "Standards >", and "Magazines >". Below this section, there is a section titled "JOURNALS".

个人账号用于管理  
检索式、检索结果、  
追踪最新文章、收  
藏文章等

# 浏览模式

## A. 期刊主页



The screenshot shows the ASCE Library website's Journals page. The navigation bar includes 'ASCE | LIBRARY', a search bar, and links for 'Login / Register'. The 'JOURNALS' menu item is highlighted with a red box. Below the navigation bar, the text 'Browse Journals' is displayed. The main content area features a filter section on the left with 'TITLES' and 'TOPICS' options. The 'TOPICS' section is highlighted with a red box, showing 'Environment and Water Resources Engineering' (7) and 'Structural Engineering' (5). The main content area displays a list of journals, with the first two items being 'Journal of Aerospace Engineering' and 'Journal of Architectural Engineering'. A blue callout box points to the 'Aim & Scope' link for the first journal, with the text '选择查看单本期刊的主旨和研究范围'.

ASCE | LIBRARY

Search term(s) [ ] [ ] Login / Register [ ]

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

### Browse Journals

Use filters to browse titles.

1 2 3 >

1 - 20 of 41 Journals

**Journal of Aerospace Engineering**  
Volume 37 | Issue 1 | Jan 1, 2024  
Aim & Scope [ ]

**Journal of Architectural Engineering**  
Volume 29 | Issue 4 | Dec 1, 2023  
Aim & Scope [ ]

**TITLES**

0-9

A B C D E F

G H I J K L

P Q R

V W X

**TOPICS**

Environment and Water Resources Engineering 7

Structural Engineering 5

选择查看单本期刊的主旨和研究范围

点击展开  
所有卷期

# Journal of Management in Engineering

JOURNAL HOME CURRENT ISSUE ALL ISSUES ABOUT

**MOST RECENT** MOST READ MOST CITED

Technical Papers | Oct 16, 2023  
**Improving the Process of Disruption Claims: Identification of the Difficulties and Expectations**

Technical Papers | Oct 15, 2023  
**Evolution of Multiple-Phase Certification in Construction Management**


Technical Papers | Oct 14, 2023  
**Evaluating the Performance of Campus Facility Management through Structural Equation Modeling Based on Key Performance Indicators**

Technical Papers | Oct 13, 2023  
**Adaptation Behavior of Construction Workers Using Wearable Sensing Devices for Safety and Health Monitoring**

Technical Papers | Oct 13, 2023  
**Linear Methods for Estimating Schedule Time Earned: Theory and Application**

Technical Papers | Oct 11, 2023  
**Smart Safety: Big Data-Enabled System for Analysis and Management of Unsafe Behavior by Construction Workers**

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**Current Issue**  
**Issue In Progress**  
**Volume 40 | Issue 1 | January 2024**

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Editor: Young Hoon Kwak, Ph.D., M.ASCE  
ISSN (print): 0742-597X  
ISSN (online): 1943-5479  
Frequency: Bimonthly  
Sponsored by: Committee on Developing Leaders (CDL)

**About this Journal**  
[Meet the Editor](#)  
[Aims & Scope and Editorial Board](#)

最新文章、阅读最多、  
被引最多的文章

了解期刊收录范  
围和编辑团队

Smart Safety: Big Data-Enabled System for Analysis and Management of Unsafe Behavior by Construction Workers

[VIEW MORE >](#)



## ANNOUNCEMENTS

Editor's Choice | 1 September 2023

### Automated Identification of Active Players for International Construction Market Entry Using Natural Language Processing

Studies on the international construction market have been limited to expanding the scope of academics and practices because of data accessibility and timeliness.

[READ MORE](#)



## SPECIAL COLLECTIONS

Management in Engineering | 18 May 2023

### Leadership and Employee Well-Being in the Architecture, Engineering, and Construction (AEC) Industry

[READ MORE](#)



### About this Journal

- Meet the Editor
- Aims & Scope and Editorial Board
- Special Collections
- Editor's Choice Collection
- Call for Papers**
- Best Paper Awards
- Associate Editor Awards
- Outstanding Reviewers

### Personalize

- Add to Favorites
- Email Alerts

### Metrics

Impact Factor: **7.4**  
Impact Factor (5yr): **7.4**  
Cite Score: **10.4**

### STAY CONNECTED

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-  Twitter
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Assistant City Engineer - City of Saginaw,  
Michigan  
Saginaw, Michigan  
Employer: City of Saginaw

Department Head  
Blacksburg, Virginia  
Employer: Virginia Tech



征稿信息

JCR 影响因子

编辑精  
选文章

主题  
文集

# 浏览模式

## B. 期刊文章页面

Home / Journal of Management in Engineering / Archive / Vol. 36, No. 6

选择文章的  
各部分浏览

PDF格式互动界面

作者单位信息  
和联系方式

文章/作者信息  
被引统计  
图表  
参考文献  
分享链接



Technical Papers | Sep 8, 2020

[PREVIOUS ARTICLE](#) [NEXT ARTICLE](#)

Check for updates

### Modular Construction: Determining Decision-Making Factors and Future Research Needs

Authors: Mohamad Abdul Nabi, S.M.ASCE and Islam H. El-adaway, F.ASCE | [AUTHOR AFFILIATIONS](#)

Publication: Journal of Management in Engineering • Volume 36, Issue 6 • [https://doi.org/10.1061/\(ASCE\)ME.1943-5479.0000859](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000859)

3,317 / 46

PDF

#### Abstract

With a compound annual growth rate of 10.5%, the modular construction market is forecasted to increase to a market value of \$154.8 million by the end of 2023. Traditional stick-built construction and modular construction differ in many aspects including design, engineering, collaboration requirements, logistics, and others. Available research efforts tried to study and model the complex modular construction processes. However, they seemed to fall short in investigating modular construction processes in a comprehensive and holistic manner. In effect, the currently used decision-making models and processes for modular construction do not necessarily reflect the diverse and multiple interconnected and associated factors. This paper presents a systematic literature review and analysis of modular construction research from 2010 and 2019, (2) highlighted the broad factors affecting decision-making for modular construction, (3) utilized social network analysis (SNA) to quantitatively identify the most influential factors, and (4) provided a roadmap for the factors that need further investigation. This paper identifies various modular construction operations in the construction industry that are some understudied decision factors, including those related to design, engineering, and construction waste management, green practices, as well as construction safety. It is shown that there is an explicit absence of the decision models and frameworks that simultaneously incorporate

**Journal of Management in Engineering**  
Volume 36, Issue 6  
November 2020

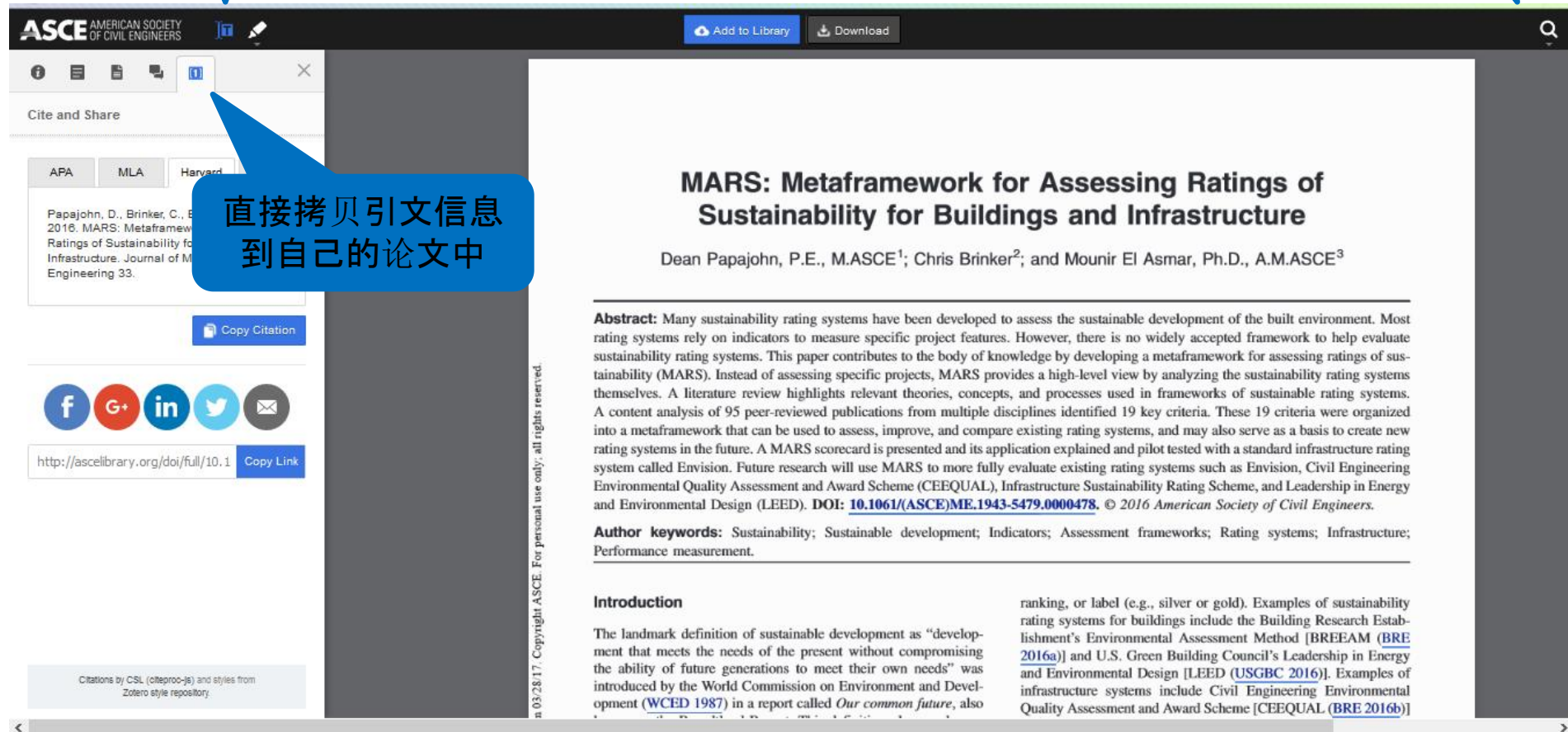
- Abstract
- Introduction
- Research Motivation
- Research Goal, Scope, and Outcomes
- Background Information
- Research Methodology
- Results and Analysis
- Discussion
- Recommendations for Future Modular Construction Research
- Research Contribution and Limitations

Article/Author Information, Citation Statistics, Charts, References, Share Links

标记和添加  
批注的工具

导入账号  
的收藏夹

在文中检  
索



The screenshot shows the ASCE website interface. On the left, a 'Cite and Share' sidebar is open, displaying citation information for a paper. A blue callout bubble points to the citation text, stating '直接拷贝引文信息到自己的论文中' (Directly copy citation information to your own paper). The main content area displays the title 'MARS: Metaframework for Assessing Ratings of Sustainability for Buildings and Infrastructure' by Dean Papajohn, P.E., M.ASCE<sup>1</sup>; Chris Brinker<sup>2</sup>; and Mounir El Asmar, Ph.D., A.M.ASCE<sup>3</sup>. Below the title is an abstract and author keywords. A search bar is visible in the top right corner of the page.

**ASCE** AMERICAN SOCIETY OF CIVIL ENGINEERS

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APA MLA Harvard

Papajohn, D., Brinker, C., E. 2016. MARS: Metaframework Ratings of Sustainability for Infrastructure. *Journal of Management Engineering* 33.

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http://ascelibrary.org/doi/full/10.1 Copy Link

Citations by CSL (citeproc-js) and styles from Zotero style repository.

**MARS: Metaframework for Assessing Ratings of Sustainability for Buildings and Infrastructure**

Dean Papajohn, P.E., M.ASCE<sup>1</sup>; Chris Brinker<sup>2</sup>; and Mounir El Asmar, Ph.D., A.M.ASCE<sup>3</sup>

**Abstract:** Many sustainability rating systems have been developed to assess the sustainable development of the built environment. Most rating systems rely on indicators to measure specific project features. However, there is no widely accepted framework to help evaluate sustainability rating systems. This paper contributes to the body of knowledge by developing a metaframework for assessing ratings of sustainability (MARS). Instead of assessing specific projects, MARS provides a high-level view by analyzing the sustainability rating systems themselves. A literature review highlights relevant theories, concepts, and processes used in frameworks of sustainable rating systems. A content analysis of 95 peer-reviewed publications from multiple disciplines identified 19 key criteria. These 19 criteria were organized into a metaframework that can be used to assess, improve, and compare existing rating systems, and may also serve as a basis to create new rating systems in the future. A MARS scorecard is presented and its application explained and pilot tested with a standard infrastructure rating system called Envision. Future research will use MARS to more fully evaluate existing rating systems such as Envision, Civil Engineering Environmental Quality Assessment and Award Scheme (CEEQUAL), Infrastructure Sustainability Rating Scheme, and Leadership in Energy and Environmental Design (LEED). DOI: [10.1061/\(ASCE\)ME.1943-5479.0000478](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000478). © 2016 American Society of Civil Engineers.

**Author keywords:** Sustainability; Sustainable development; Indicators; Assessment frameworks; Rating systems; Infrastructure; Performance measurement.

**Introduction**

The landmark definition of sustainable development as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs” was introduced by the World Commission on Environment and Development (WCED 1987) in a report called *Our common future*, also ranking, or label (e.g., silver or gold). Examples of sustainability rating systems for buildings include the Building Research Establishment’s Environmental Assessment Method [BREEAM (BRE 2016a)] and U.S. Green Building Council’s Leadership in Energy and Environmental Design [LEED (USGBC 2016)]. Examples of infrastructure systems include Civil Engineering Environmental Quality Assessment and Award Scheme [CEEQUAL (BRE 2016b)]

直接拷贝引文信息  
到自己的论文中

## 推荐的相关文章

### Recommended

Journal of Construction Engineering and Management | Article | March 1993

#### Knowledge-Based Approach to Modular Construction Decision Support

Chapter | May 2022

#### Identifying Interconnectivities between Modular Construction Decision-Making Factors Using Clustering and Network Analysis

Journal of Construction Engineering and Management | Article | September 2015

#### Synthesis of Decision-Making Research in Construction

Journal of Computing in Civil Engineering | Article | April 1994

#### Neuromodex—Neural Network System for Modular Construction Decision Making

Journal of Management in Engineering | Article | September 2017

#### Understanding the Dynamics of Construction Decision Making and the Impact on Work Health and Safety

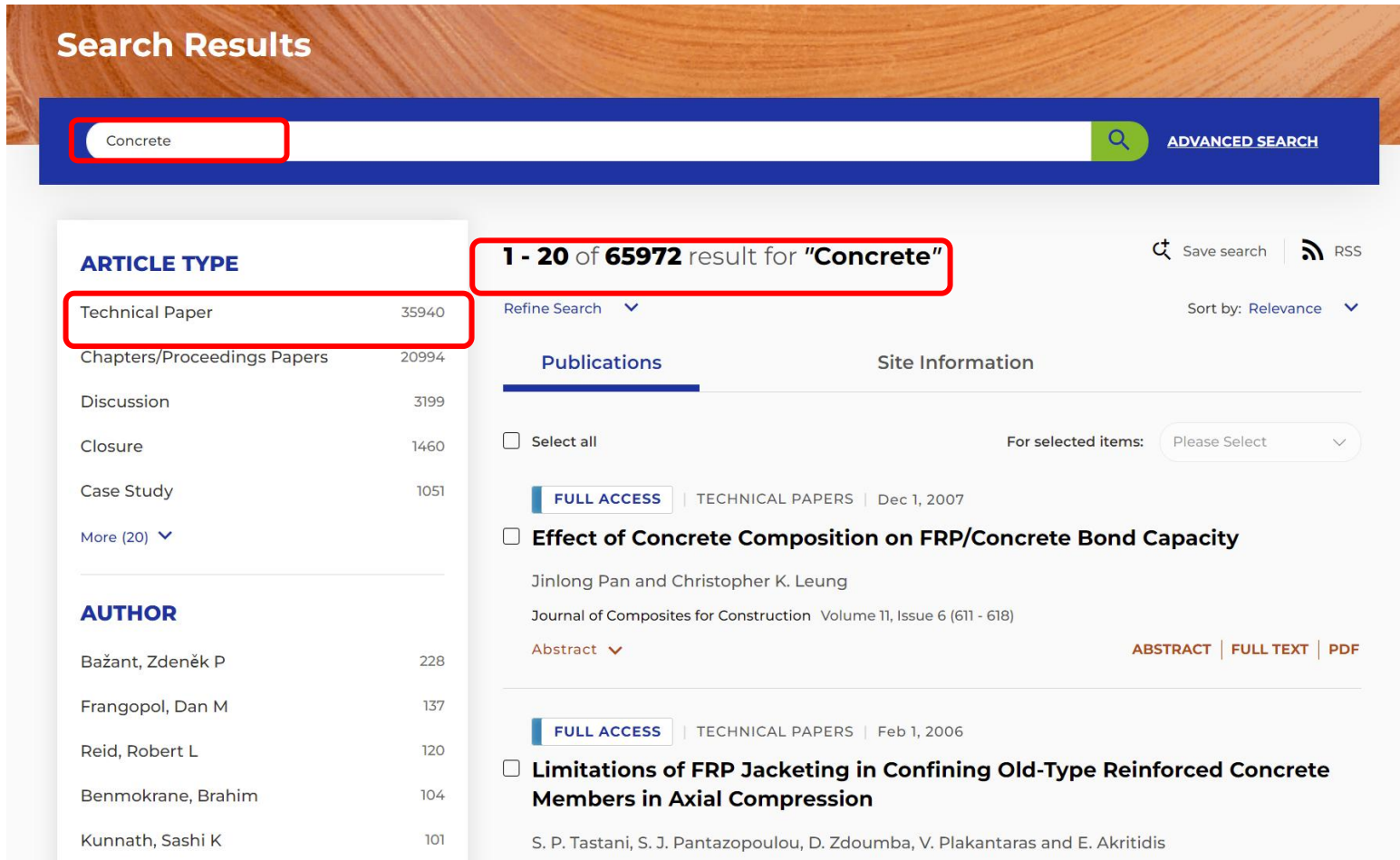
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格式文章



# ASCE数据库检索技巧

# 1.快速检索-关键词



**Search Results**

Concrete ADVANCED SEARCH

**1 - 20 of 65972 result for "Concrete"**

Save search | RSS

Sort by: Relevance

ARTICLE TYPE

Technical Paper	35940
Chapters/Proceedings Papers	20994
Discussion	3199
Closure	1460
Case Study	1051
More (20)	

AUTHOR

Bažant, Zdeněk P	228
Frangopol, Dan M	137
Reid, Robert L	120
Benmokrane, Brahim	104
Kunnath, Sashi K	101

Refine Search

Publications | Site Information

Select all | For selected items: Please Select

**FULL ACCESS** | TECHNICAL PAPERS | Dec 1, 2007

**Effect of Concrete Composition on FRP/Concrete Bond Capacity**

Jinlong Pan and Christopher K. Leung  
Journal of Composites for Construction Volume 11, Issue 6 (611 - 618)

Abstract | **ABSTRACT** | FULL TEXT | PDF

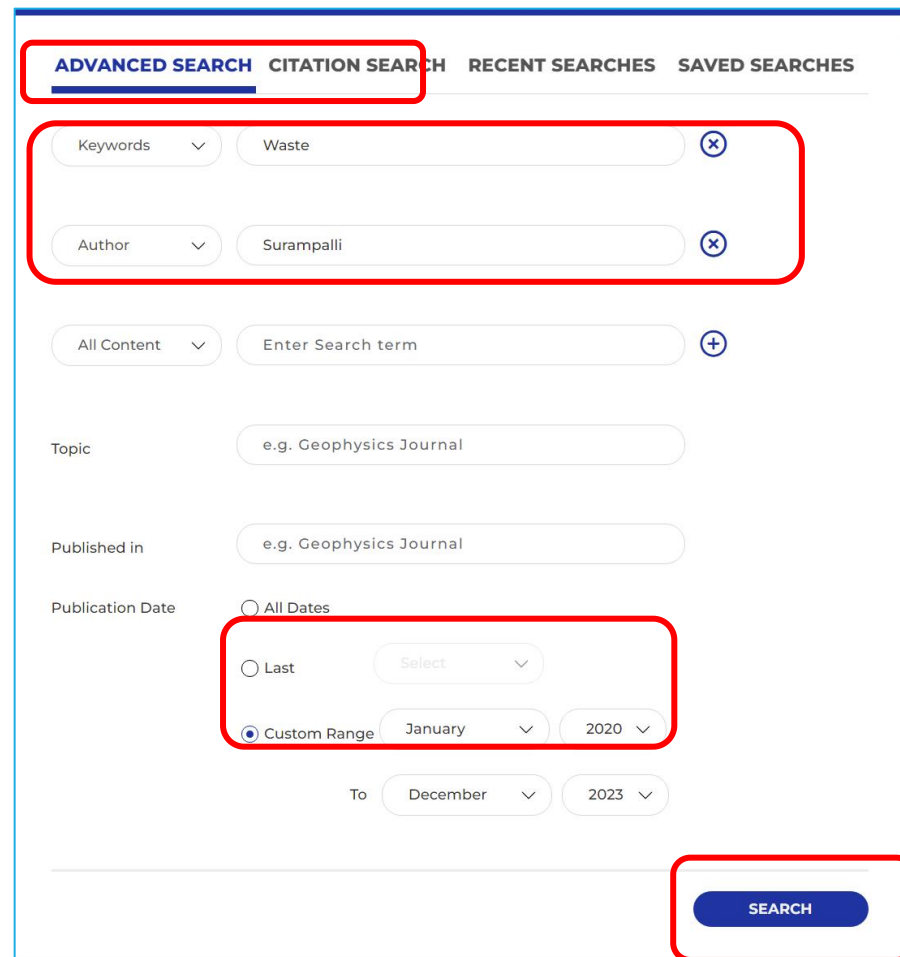
**FULL ACCESS** | TECHNICAL PAPERS | Feb 1, 2006

**Limitations of FRP Jacketing in Confining Old-Type Reinforced Concrete Members in Axial Compression**

S. P. Tastani, S. J. Pantazopoulou, D. Zdoumba, V. Plakantaras and E. Akritidis

## 2.高级检索

同时输入多个  
限定条件

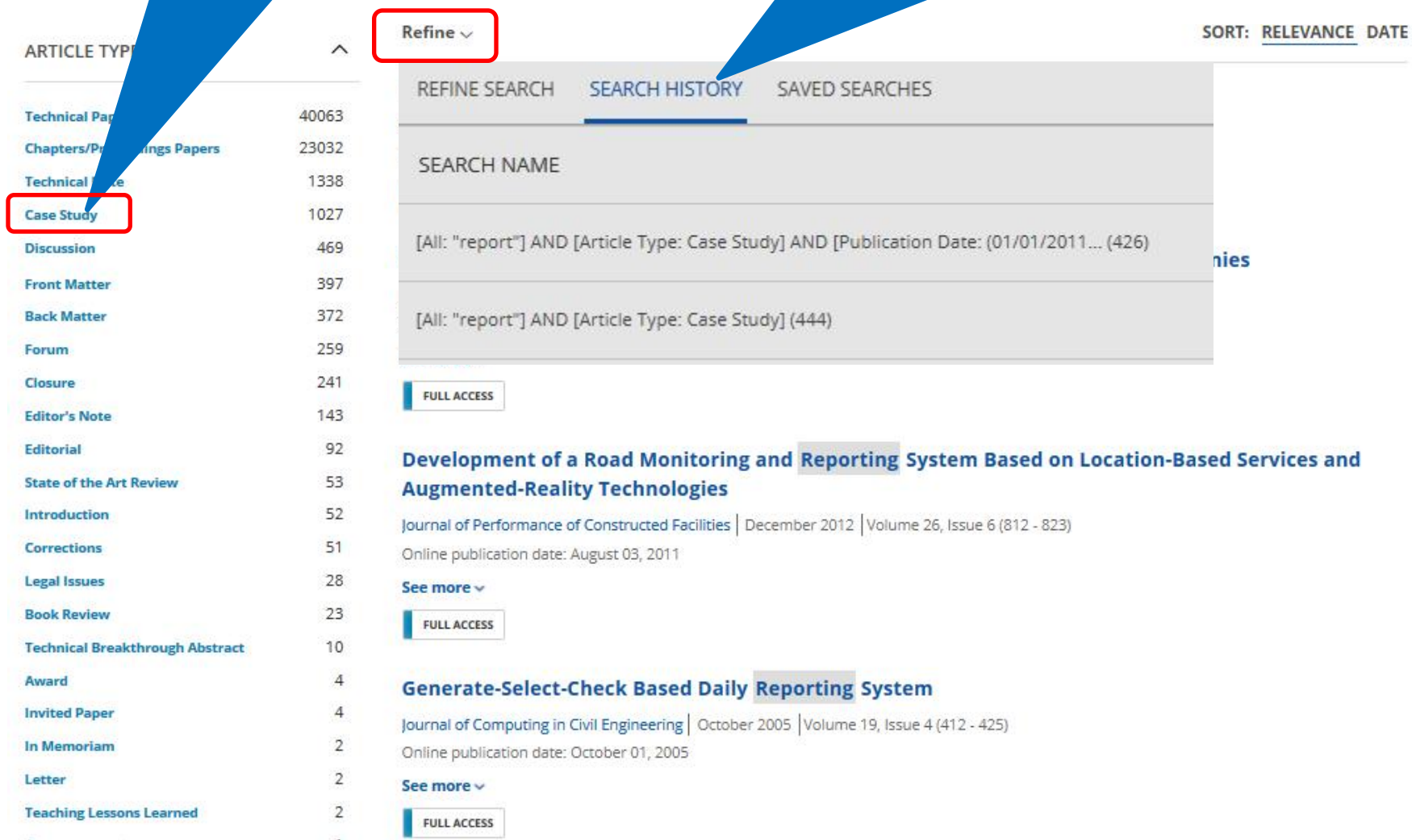


The screenshot shows an advanced search interface with the following elements:

- Navigation:** ADVANCED SEARCH (highlighted), CITATION SEARCH, RECENT SEARCHES, SAVED SEARCHES.
- Keywords:** A search box containing "Waste" with a dropdown menu set to "Keywords" and a clear button (X).
- Author:** A search box containing "Surampalli" with a dropdown menu set to "Author" and a clear button (X).
- Additional Search:** A search box with "Enter Search term" and a dropdown menu set to "All Content", with a plus button (+).
- Topic:** A search box with the placeholder "e.g. Geophysics Journal".
- Published in:** A search box with the placeholder "e.g. Geophysics Journal".
- Publication Date:** Radio buttons for "All Dates", "Last", and "Custom Range" (selected). The "Custom Range" section includes a "Select" dropdown, a month dropdown (January), a year dropdown (2020), and a "To" section with a month dropdown (December) and a year dropdown (2023).
- Search Button:** A blue button labeled "SEARCH" (highlighted).

在一次检索结果中筛选体裁

点击Refine, 可找到用过的检索式



ARTICLE TYPE ^

Technical Paper	40063
Chapters/Proceedings Papers	23032
Technical Note	1338
<b>Case Study</b>	1027
Discussion	469
Front Matter	397
Back Matter	372
Forum	259
Closure	241
Editor's Note	143
Editorial	92
State of the Art Review	53
Introduction	52
Corrections	51
Legal Issues	28
Book Review	23
Technical Breakthrough Abstract	10
Award	4
Invited Paper	4
In Memoriam	2
Letter	2
Teaching Lessons Learned	2

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Developing countries	41
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More (20) ▾

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Asia	81
China	41
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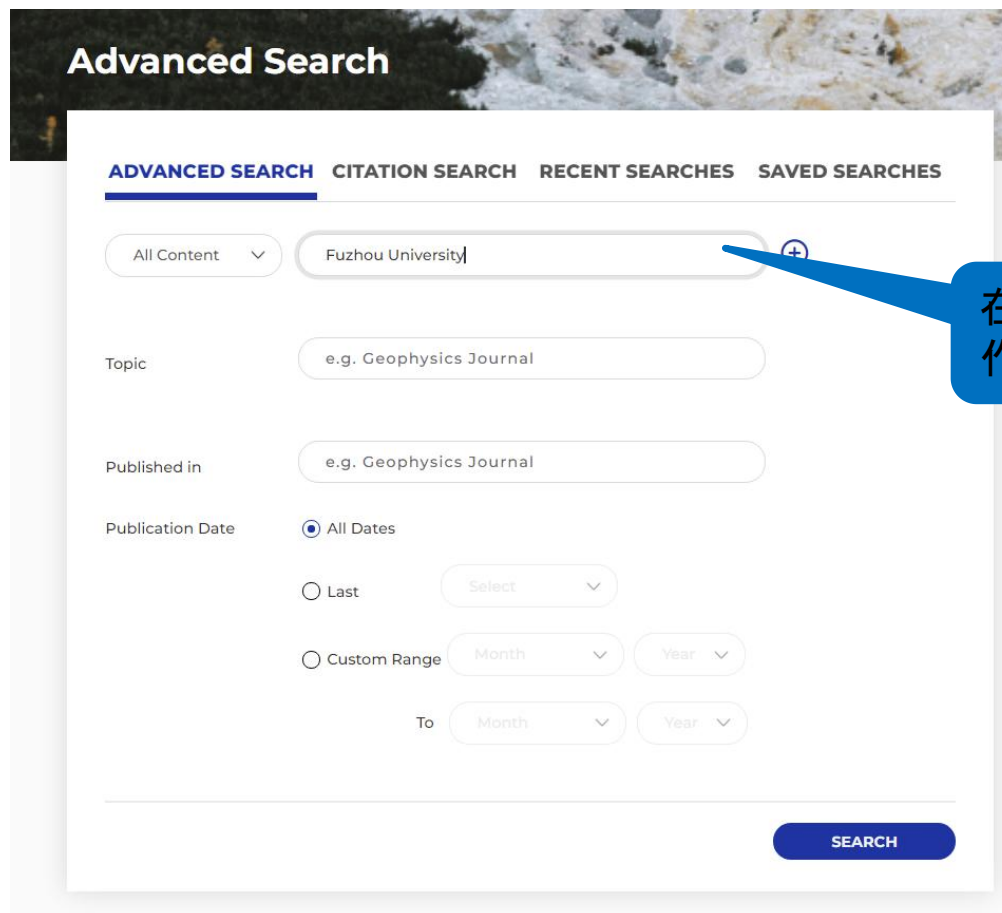
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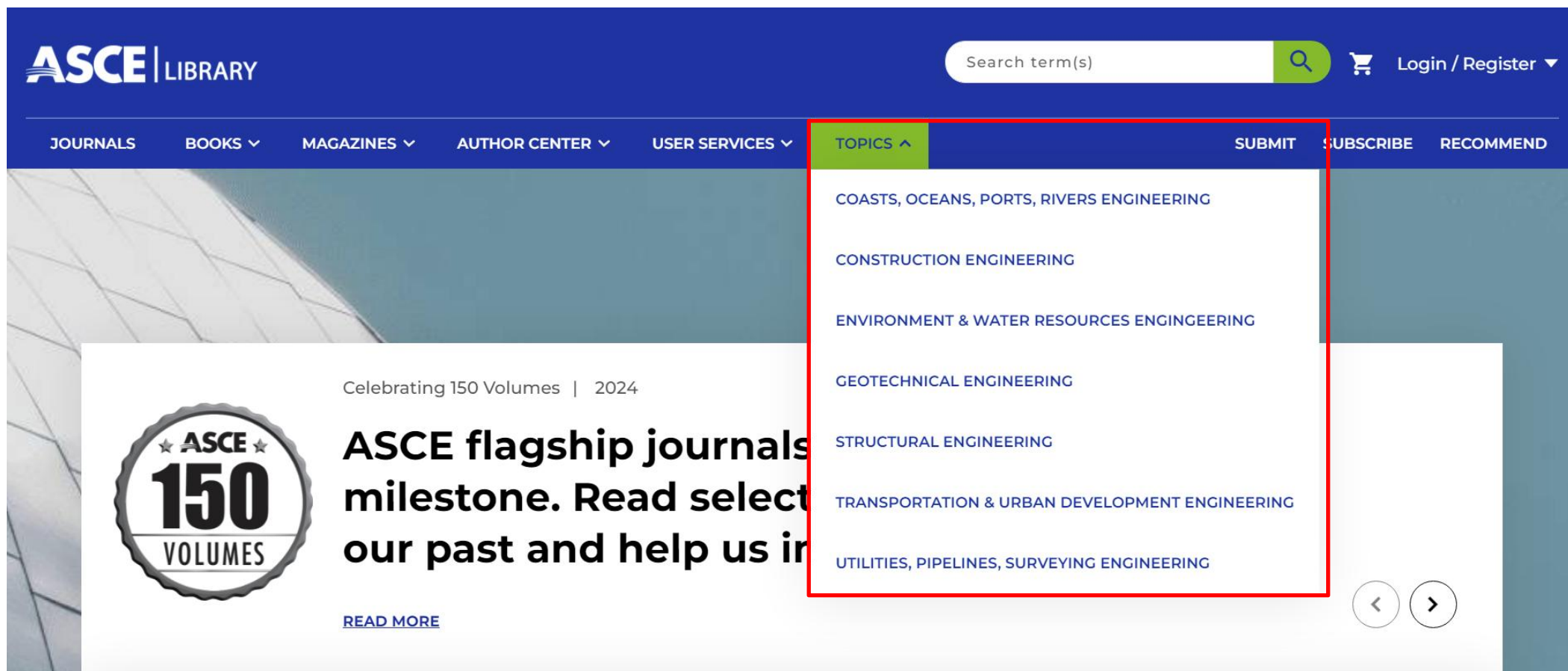
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 50    

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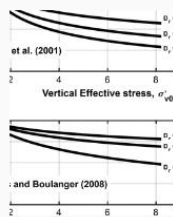
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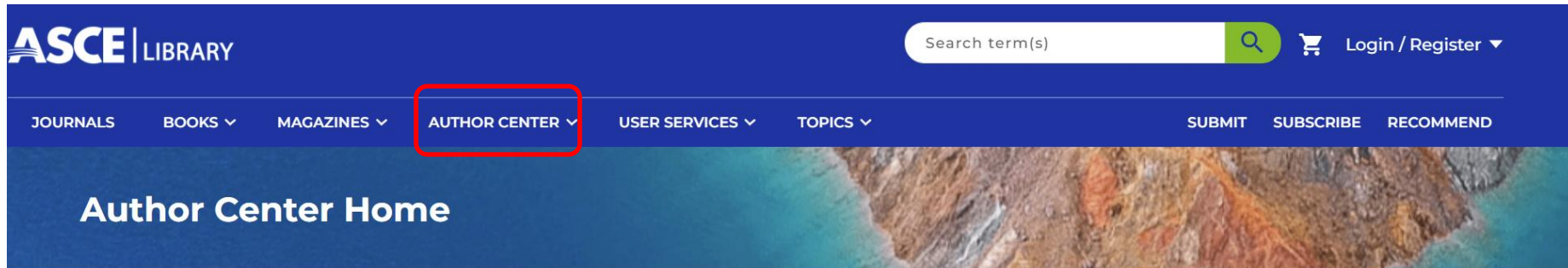
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