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# 美国土木工程学会数据库使用指南



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## 目 录

- 出版社介绍
- 数据库内容和品质
- 数据库平台
- 检索技巧



# 美国土木工程学会介绍

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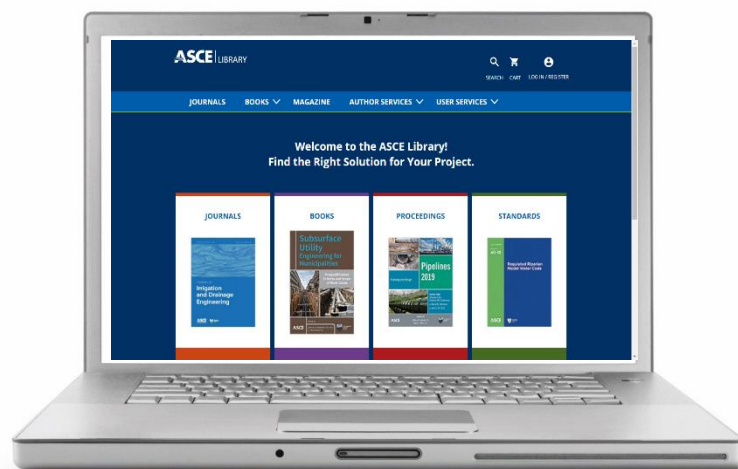
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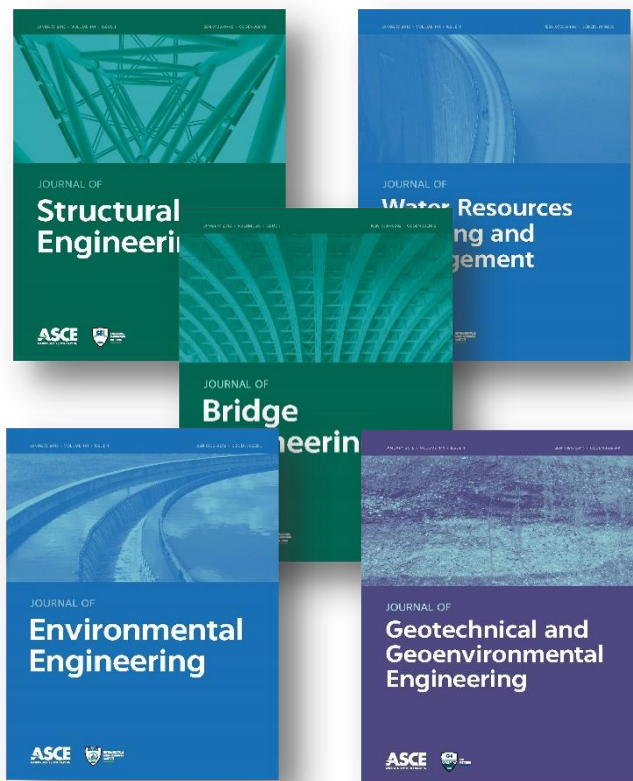
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International Journal of Geomechanics	《国际地质力学期刊》	月刊
Journal of Geotechnical and Geoenvironmental Engineering	《土工技术与地质环境工程期刊》	月刊

## ● 工程力学

Journal of Engineering Mechanics	《工程力学期刊》	月刊
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## ● 海岸、海洋、港口、河流和水道

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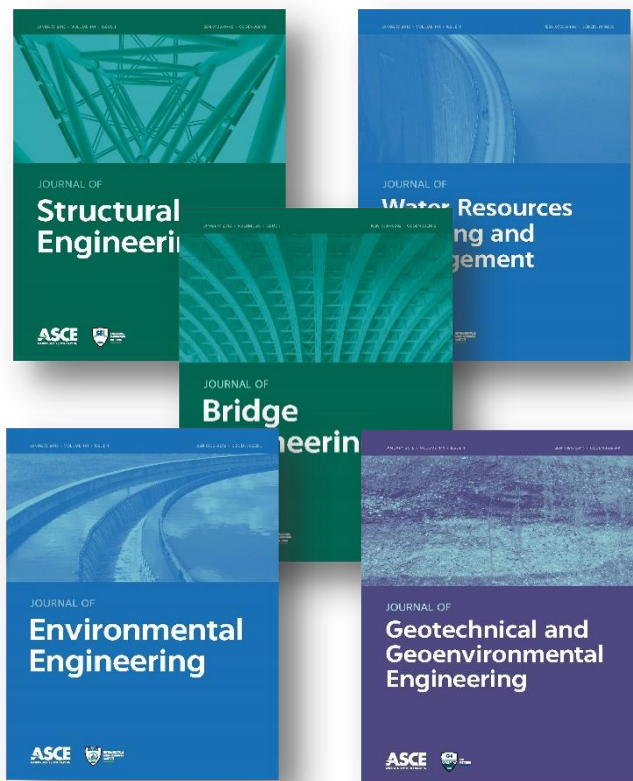
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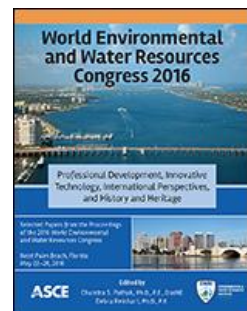
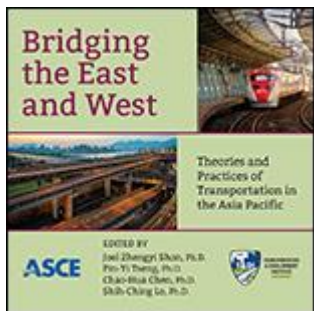
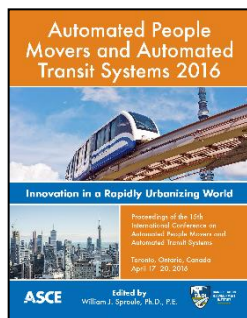
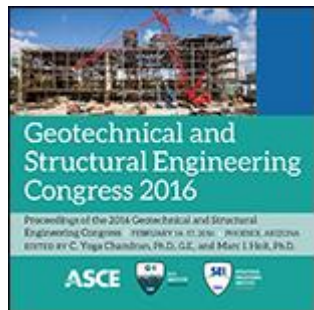
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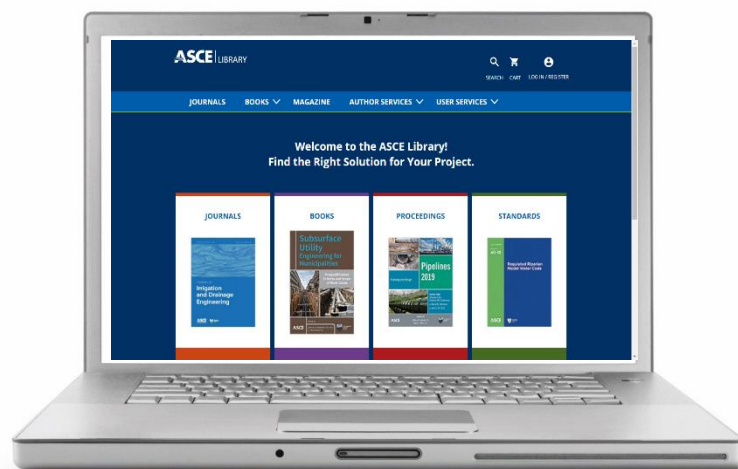


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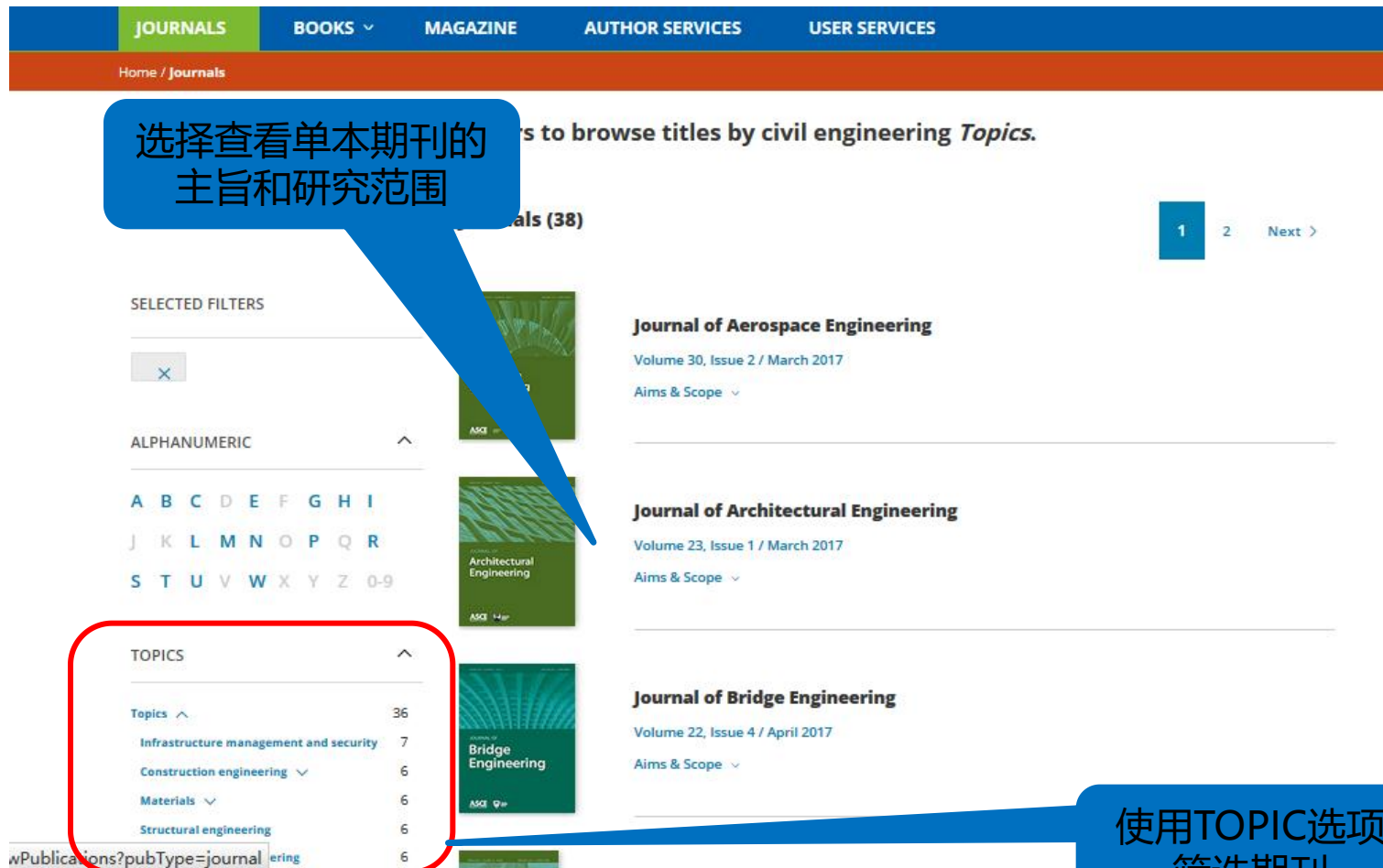
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  - Infrastructure management and security: 7
  - Construction engineering: 6
  - Materials: 6
  - Structural engineering: 6

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Volume 30, Issue 2 / March 2017  
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- Journal of Architectural Engineering**  
Volume 23, Issue 1 / March 2017  
Aims & Scope
- Journal of Bridge Engineering**  
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Esther Paik et al. | MAR 2017

主题文集

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#### EDITOR'S CHOICE

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

Many sustainability rating systems have been developed to assess the sustainable development of the built environment.  
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Dean Papajohn, P.E., M.ASCE; Chris Brinker; and Mounir El Asmar, Ph.D., A.M.ASCE

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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 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 novel view by analyzing the sustainability rating systems themselves. A literature review highlights relevant theories, concepts, and processes used in the development of sustainable rating systems. A content analysis of 95 peer-reviewed articles identified 19 key criteria. These 19 criteria are used to develop a framework that can be used to assess, improve, and validate existing rating systems, and may also serve as a basis to create new rating systems. A MARS scorecard is presented and its application

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DOI: [http://dx.doi.org/10.1061/\(ASCE\)ME.1943-5479.0000478](http://dx.doi.org/10.1061/(ASCE)ME.1943-5479.0000478)

Received: November 25, 2015

Accepted: May 18, 2016

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RESEARCH METHOD

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PILOT TEST

CONCLUSION

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Many sustainability rating systems have been developed for the built environment to help evaluate sustainability of knowledge by developing sustainability (MARS). In this paper, a high-level view by analyzing literature review highlights frameworks of sustainability

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

## MARS: Metaframework for Assessing Rating Systems for Sustainability for Buildings and Infrastructure

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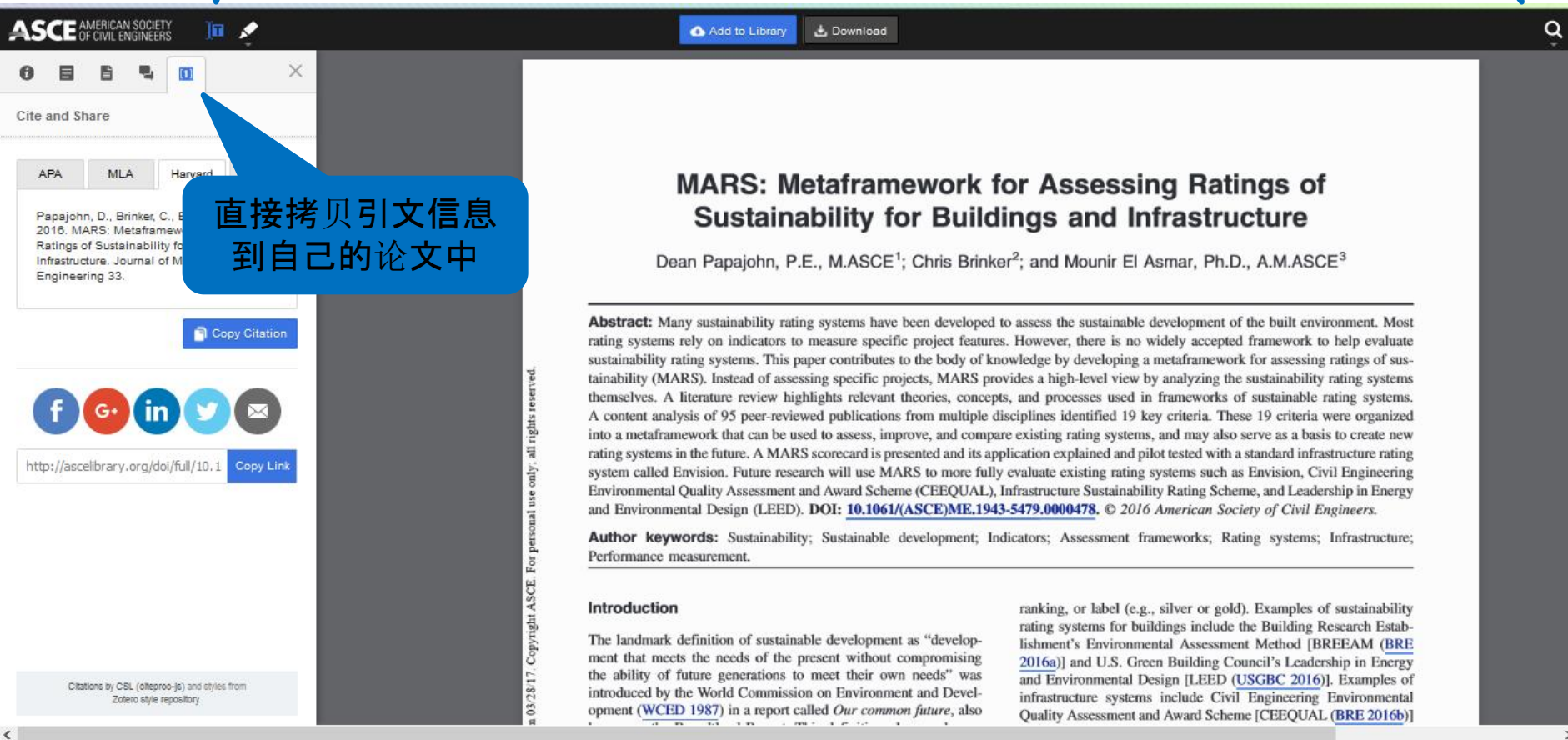
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## MARS: Metaframework for Assessing Ratings of Sustainability for Buildings and Infrastructure

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)]

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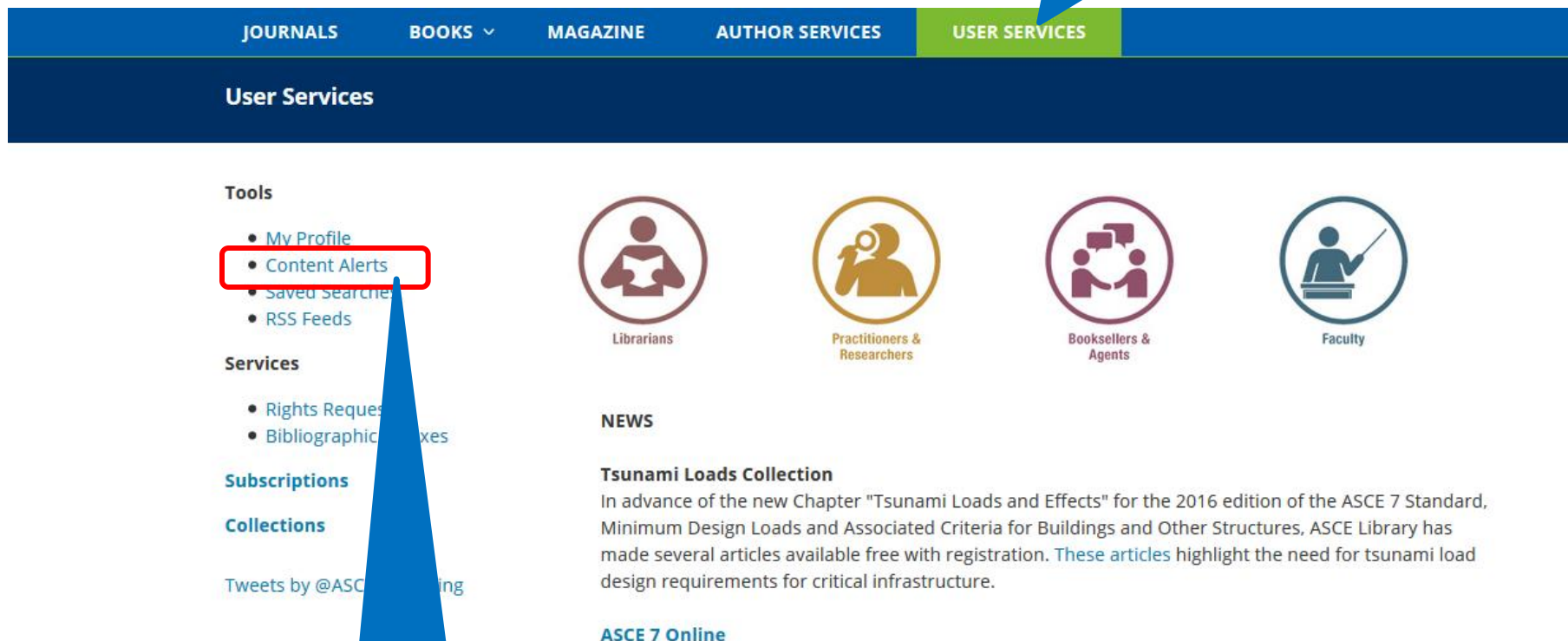


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**Booksellers & Agents**

**Faculty**

**NEWS**

**Tsunami Loads Collection**

In advance of the new Chapter "Tsunami Loads and Effects" for the 2016 edition of the ASCE 7 Standard, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, ASCE Library has made several articles available free with registration. [These articles](#) highlight the need for tsunami load design requirements for critical infrastructure.

[ASCE 7 Online](#)

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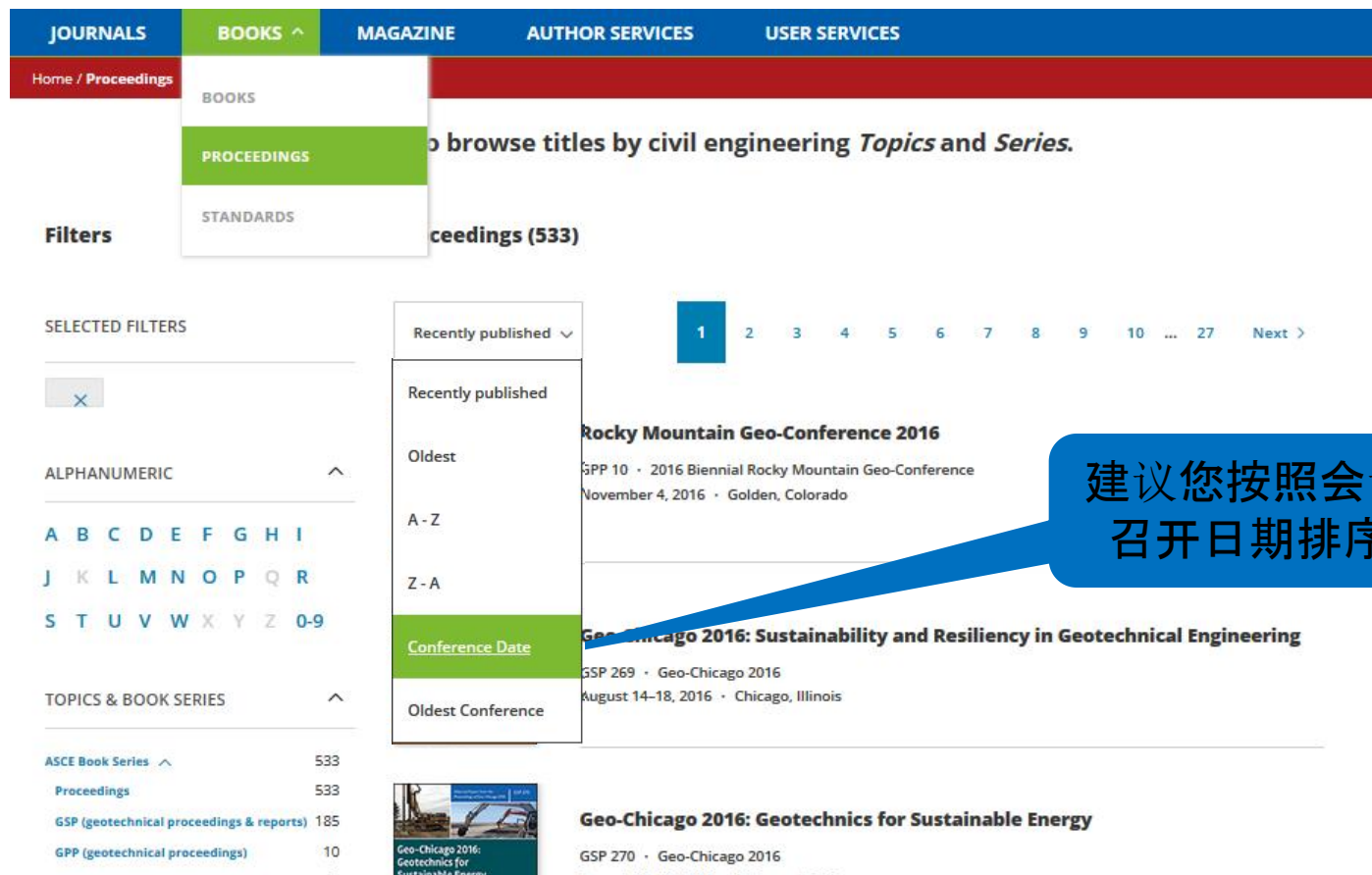
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# 使用技巧

## B. 会议录的浏览技巧



The screenshot shows the ASCE Library website interface. The top navigation bar includes links for JOURNALS, BOOKS, MAGAZINE, AUTHOR SERVICES, and USER SERVICES. The 'BOOKS' menu is expanded, showing options for BOOKS, PROCEEDINGS, and STANDARDS. The 'PROCEEDINGS' option is highlighted. Below the navigation bar, there is a section for 'Filters' and 'SELECTED FILTERS'. The 'SELECTED FILTERS' section shows a list of filters: ALPHANUMERIC, TOPICS & BOOK SERIES, and ASCE Book Series. The 'TOPICS & BOOK SERIES' section shows a list of topics: ASCE Book Series, Proceedings, GSP (geotechnical proceedings & reports), and GPP (geotechnical proceedings). The 'ASCE Book Series' section shows a list of series: ASCE Book Series, Proceedings, GSP (geotechnical proceedings & reports), and GPP (geotechnical proceedings). The search results section displays a list of conference proceedings, including 'Rocky Mountain Geo-Conference 2016', 'Geo-Chicago 2016: Sustainability and Resiliency in Geotechnical Engineering', and 'Geo-Chicago 2016: Geotechnics for Sustainable Energy'. A blue callout box points to the 'Conference Date' filter option in the 'SELECTED FILTERS' section, with the text '建议您按照会议召开日期排序' (We recommend sorting by conference date).

## B. 会议录的浏览技巧

Water and water resources ^	63
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Geotechnics v	7
Sustainable development	7
Urban planning and development	6
Computing in civil engineering	4
Pipelines	3
Risk management	3
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Aerospace engineering	1
Bridges	1
Civil engineering profession v	1
Coastal engineering	1
Cold regions	1



### World Environmental and Water Resources Congress 2016: Hydraulics and Waterways and Hydro-Climate/Climate Change

World Environmental and Water Resources Congress 2016  
May 22-26, 2016 · West Palm Beach, Florida



### World Environmental and Water Resources Congress 2016: Water, Wastewater, and Stormwater and Urban Watershed Symposium

World Environmental and Water Resources Congress 2016  
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### World Environmental and Water Resources Congress 2016

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May 22-26, 2016 · West Palm Beach, Florida

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World Environmental and Water Resources Congress 2016: Professional Development, Innovative Technology, International Perspectives, and History and Heritage  
World Environmental and Water Resources Congress 2016: Water, Wastewater, and Stormwater and Urban Watershed Symposium

按TOPIC筛选会议录

同一次会议的会议录按议程主题编成若干卷, 可在红色标记下看见总目录



## 使用技巧

### C. 如何缩小检索范围?

在快速检索栏中输入文体标记词，例如survey、review、report或study。

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Chapters/Proceedings Papers

Technical Note

Case Study

Discussion

Front Matter

Back Matter

Forum

Closure

Editor's Note

Editorial

State of the Art Review

Introduction

Corrections

Legal Issues

Book Review

Technical Breakthrough Abstract

Award

Invited Paper

In Memoriam

Letter

Teaching Lessons Learned

40063

23032

1338

1027

469

397

372

259

241

143

92

53

52

51

28

23

10

4

4

2

2

2

Refine

REFINE SEARCH

SEARCH HISTORY

SAVED SEARCHES

SEARCH NAME

[All: "report"] AND [Article Type: Case Study] AND [Publication Date: (01/01/2011... (426)

[All: "report"] AND [Article Type: Case Study] (444)

FULL ACCESS

Development of a Road Monitoring and Reporting System Based on Location-Based Services and Augmented-Reality Technologies

Journal of Performance of Constructed Facilities | December 2012 | Volume 26, Issue 6 (812 - 823)

Online publication date: August 03, 2011

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Generate-Select-Check Based Daily Reporting System

Journal of Computing in Civil Engineering | October 2005 | Volume 19, Issue 4 (412 - 425)

Online publication date: October 01, 2005

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SORT: RELEVANCE DATE

## ASCE的常见期刊文章体裁有哪些？

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Primary Opinion	原始观点
Case Report	案例报告
Brief Report	快报
Book Review	书评
Discussion	会议或讨论的结果
Chapter	会议录和电子书
Prelim	序言或目录的检索结果
Editorial	编者的话（介绍某期刊新一年发展方向和新编委成员）



2011

2017

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India

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Journal of Professional Issues in Engineering Education and Practice | January 2016 | Volume 142,  
Online publication date: May 26, 2015

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### Calculation of Greenhouse Gas Emissions for Highway Construction Operations by Using a Hybrid Life-Cycle Assessment Approach: Case Study for Pavement Operations

Journal of Construction Engineering and Management | November 2011 | Volume 137, Issue 11 (1015 - 1025)

Online publication date: January 08, 2011

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### Interpreting OPUS-Static Results Accurately

Journal of Surveying Engineering | November 2016 | Volume 142, Issue 4

Online publication date: March 29, 2016

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### Developing Methods for Grading the Accessibility of a Community's Infrastructure

Journal of Urban Planning and Development | September 2012 | Volume 138, Issue 3 (270 - 276)

Online publication date: February 03, 2012

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## 使用技巧

### C. 如何检索作者单位?

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Published in

Publication Date ☒ All dates

☐ Last:

☐ Custom range:  To:

Search

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z.B: Xidian=西安电子科技大学



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或检索学校的邮政编码  
z.B: 211167=南京工程学院

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Hua Zang ; Yong-ming Tu ; Kui-hua Mei ; and Wei Zhang

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**Hua Zang**

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The experimental setup for electrocoagulation montage used is given in Fig. 1. The influence of the various parameters on the denitrification process was achieved using synthetic water (distilled water +  $\text{NaNO}_3$  salt +  $\text{NaHCO}_3$ ) in a batch reactor shown in Fig. 1. The nitrate solutions (100–300 mg/L as  $\text{NO}_3^-$ ) were prepared by mixing sodium nitrate in deionized water samples. Solutions of 1 M sodium hydroxide were added for pH adjustment. Nitrate concentration was determined using a UV spectrophotometer. Acidification with 1 M HCl is designed

AWWA (American Water Works Association). (1998). "Standard methods for the examination of water and wastewater." Water Environment Federation, Washington, DC.

Bas, D., and Boyacı, İ. H. (2007). "Modeling and optimization. I: Usability of response surface

谢 谢！