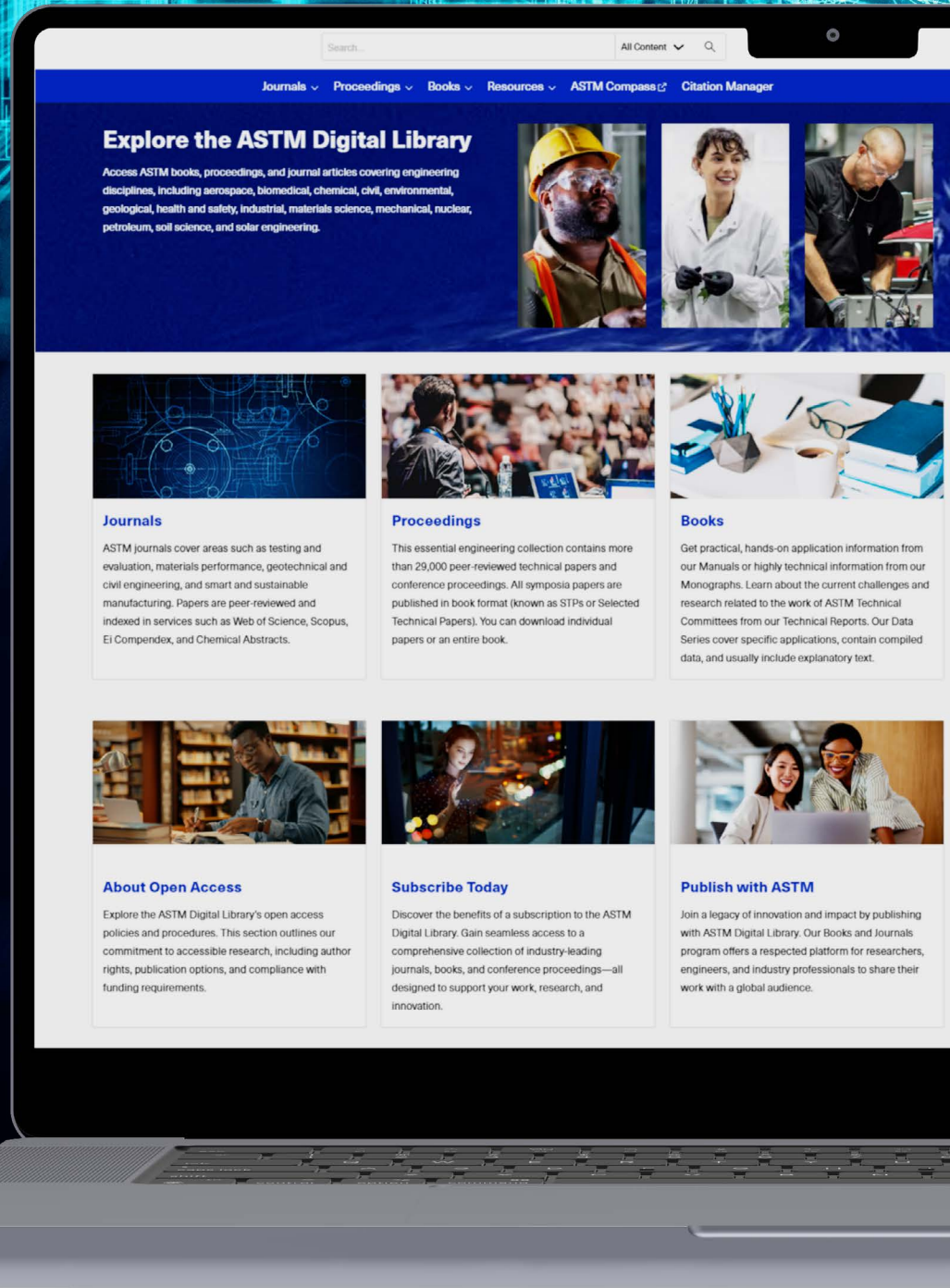




DIGITAL LIBRARY

QUICK REFERENCE GUIDE

# ASTM Digital Library on Silverchair



## Explore the ASTM Digital Library

Access ASTM books, proceedings, and journal articles covering engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science, and solar engineering.



### Journals

ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compendex, and Chemical Abstracts.



### Proceedings

This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.



### Books

Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Learn about the current challenges and research related to the work of ASTM Technical Committees from our Technical Reports. Our Data Series cover specific applications, contain compiled data, and usually include explanatory text.



### About Open Access

Explore the ASTM Digital Library's open access policies and procedures. This section outlines our commitment to accessible research, including author rights, publication options, and compliance with funding requirements.



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Join a legacy of innovation and impact by publishing with ASTM Digital Library. Our Books and Journals program offers a respected platform for researchers, engineers, and industry professionals to share their work with a global audience.



Introduction	<b>3</b>
Homepage Overview and Navigation	<b>4</b>
Search	<b>7</b>
Accessing and Using Content	<b>10</b>
Citation Tools	<b>13</b>
Personalization Tools	<b>16</b>
Saved Searches	<b>18</b>
Additional Resources	<b>19</b>



**Welcome to the ASTM Digital Library General User Guide.** This guide is designed to help users navigate the ASTM Digital Library on the Silverchair platform with confidence and ease.

Whether you're searching for journal articles, proceedings papers, technical books, or topic-specific collections, this resource will guide you through exploring, accessing, and managing content efficiently.

It also highlights platform tools such as advanced search refinements, citation management, personalization features, and navigation tips to maximize your research experience.

The **ASTM Digital Library** homepage serves as your central access point for exploring ASTM's extensive engineering and technical content.

### TOP NAVIGATION BAR

Located at the top of the page, the navigation menu offers quick access to:

- Journals
- Proceedings
- Books
- Resources (including support materials and tools)
- ASTM Compass (external link to the platform).
- Citation Manager (for saving and exporting references)

The screenshot shows the homepage layout. At the top, there is a search bar and a dropdown menu for 'All Content'. Below this is a navigation bar with links for Journals, Proceedings, Books, Resources, ASTM Compass, and Citation Manager. A red circle highlights this navigation bar. The main content area features a large blue banner with the heading 'Explore the ASTM Digital Library' and a sub-heading 'Access ASTM books, proceedings, and journal articles covering engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, life science, mechanical, nuclear, petroleum, soil science, and transportation.' To the right of the banner are three images: a construction worker in a hard hat, a woman in a lab coat, and a man working in a laboratory. Below the banner are three columns, each with a title and a description: 'Journals' (ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compendex, and Chemical Abstracts.), 'Proceedings' (This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.), and 'Books' (Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Learn about the current challenges and research related to the work of ASTM Technical Committees from our Technical Reports. Our Data Series cover specific applications, contain compiled data, and usually include explanatory text.). At the bottom of the page, there are three more images: a man reading in a library, a woman looking at a tablet, and two women looking at a laptop.

**Tip:** if you have a subscription to ASTM Compass and access the platform via IP authentication, you will be automatically signed in. However, if your institution uses Single Sign-On (SSO), you will be prompted to log in using your institutional credentials.



In addition, each tile on this homepage is a gateway to a key content area or resource:

## JOURNALS

Access scholarly, peer-reviewed technical articles

## PROCEEDINGS

Find over 1,500 published Proceedings (Selected Technical Papers)

## BOOKS

Get practical, committee-driven manuals, monographs, data series, and technical reports.

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### Journals

ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compendex, and Chemical Abstracts.



### Proceedings

This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.



### Books

Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Learn about the current challenges and research related to the work of ASTM Technical Committees from our Technical Reports. Our Data Series cover specific applications, contain compiled data, and usually include explanatory text.



### About Open Access

Explore the ASTM Digital Library's open access policies and procedures. This section outlines our commitment to accessible research, including author rights, publication options, and compliance with funding requirements.



### Subscribe Today

Discover the benefits of a subscription to the ASTM Digital Library. Gain seamless access to a comprehensive collection of industry-leading journals, books, and conference proceedings—all designed to support your work, research, and innovation.



### Publish with ASTM

Join a legacy of innovation and impact by publishing with ASTM Digital Library. Our Books and Journals program offers a respected platform for researchers, engineers, and industry professionals to share their work with a global audience.

The ASTM Digital Library provides two flexible ways to search for content:

1

### Search Bar with Type-Ahead

Located at the top of every page, the search bar features a type-ahead function that automatically suggests relevant terms as you type, enabling you to quickly find topics, terms, and documents across all content types.

2

### Search Refinement Menu

For more targeted results, users can use search refinements on the search results landing page to refine their query by DOI, ISBN, Format, Journal, Article Type, Book Series, and much more. This tool is perfect for users who know exactly what they want or wish to filter results using specific criteria. We'll walk through the search in more detail in the sections that follow.

The screenshot displays the top section of the ASTM Digital Library homepage. At the top right, there is a search bar with the text 'petr' entered. A dropdown menu is open, showing suggestions: 'petroleum', 'petroleum products', 'petrography', 'petroleum coke', 'petroleum hydrocarbons', and 'petrochemicals'. To the left of the search bar is a navigation menu with 'Journals' selected. Below the search bar is a large blue banner with the text 'Explore the ASTM Digital Library' and a sub-header 'Access ASTM books, proceedings, and journal articles covering engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science, and solar engineering.' To the right of the banner are three images: a man in a hard hat and safety glasses, a woman in a lab coat, and a man working with equipment. Below the banner are three content cards: 'Journals' with a blue circuit background, 'Proceedings' with a photo of a speaker at a podium, and 'Books' with a photo of a desk with books and a coffee cup. At the bottom of the page are three more images: a man reading in a library, a woman looking at a tablet, and two women looking at a laptop.

### SEARCH BAR

The search bar located at the top of the page offers a dynamic type-ahead search function to help users quickly find relevant content:

- For example, begin typing a keyword (e.g., "Petr") into the search bar at the top of the page.
- As you type, a drop-down list of suggested terms will automatically appear. These suggestions are based on commonly searched or indexed terms in the Digital Library.
- The list updates with each keystroke, refining suggestions to better match your input.
- Click on any suggestion to instantly launch a search for that term across your selected content type.

### SEARCH REFINEMENT MENU

The **Refinements menu**, found on the left side of the search results page, allows you to refine your query by targeting specific fields within the metadata. This assists users in locating relevant content more precisely, particularly when searching for known items or specific attributes.

The **Filter dropdown** at the top of the refinement menu offers a wide range of targeted search options, allowing users to narrow results by specific fields such as Title, Author, Author Affiliations, Full Text, Abstract, Keyword, DOI, ISBN, ISSN, Volume, Issue, and References, among others. This helps refine search precision and improves content discovery.

The screenshot shows the search results page for the keyword "petr". At the top, there is a search bar with "petr" entered and a dropdown menu for "All Content". Below the search bar is a navigation menu with options: Journals, Proceedings, Books, Resources, ASTM Compass, and Citation Manager. The main content area displays "1-20 of 143" search results for "petr". On the left side, there is an "Update Search" section with a search bar containing "petr" and a "Filter All" dropdown menu. The filter menu is open, showing options: All, Title, Author, Author Affiliations, Full Text, Abstract, Keyword, DOI, ISBN, EISBN, ISSN, EISSN, Issue, Volume, and References. Below the filter menu is a list of refinement options with checkboxes: Journal of ASTM International (3), Advances in Civil Engineering Materials (2), Materials Performance and Characterization (2), Cement, Concrete, and Aggregates (1), and Journal of Composites Technology & Research (1). The main search results are listed under "Search Results for petr" and are sorted by "Relevancy". The first result is a journal article titled "Fracture Toughness Measurement for B<sub>4</sub>C Composites with Hierarchical Microstructures: Comparison of Micro-indentation and Four-Point Bending Methods" by Jingyao Dai, Jogender Singh, and Namiko Yamamoto. The second result is "Effect of Metakaolin Content and Water/Binder Ratio on Strength and Durability Properties of Modified Cement Mortar" by Jing Wei, Jiasheng Liu, Tongtong Zhang, Bowen Feng, Yaohua Chen, Yidi Zhang, Wanwan Fu, Xiaoming Tan, and others. The third result is another article with the same title as the second one, also by Jing Wei, Jiasheng Liu, Tongtong Zhang, Bowen Feng, Yaohua Chen, Yidi Zhang, Wanwan Fu, Xiaoming Tan, and others. Each result includes a brief description, author information, journal name, article type, and publication details. Action buttons for "Abstract", "View article", "PDF", and "Add to Citation Manager" are provided for each result.

### ADDITIONAL REFINEMENT RESULTS INCLUDE

#### Refine results by content format

- **Journal Articles:** peer-reviewed scholarly articles.
- **Book:** entire books or monographs.
- **Book Chapter:** individual chapters from books.
- **Images:** standalone visual or graphic content.

#### Limit results to specific ASTM journals

**TIP:** You can check multiple boxes to include several journals.

#### Filter by type of publication

- **Research Article:** original research findings.
- **Technical Papers:** focused engineering or scientific studies.
- **Review Articles:** summaries of existing research.
- **Technical Notes:** brief reports or case studies.

All Content ▼ 🔍

Journals ▼
Proceedings ▼
Books ▼
Resources ▼
ASTM Compass [↗](#)
Citation Manager

**Update Search**

petr

**Filter All** ▼

- All
- Title
- Author
- Author Affiliations
- Full Text
- Abstract
- Keyword
- DOI
- ISBN
- EISBN
- ISSN
- EISSN
- Issue
- Volume
- References
- Journal (17)

- Journal of ASTM International (3)
- Advances in Civil Engineering Materials (2)
- Materials Performance and Characterization (2)
- Cement, Concrete, and Aggregates (1)
- Journal of Composites Technology & Research (1)

**Article Type**

- Research Article (25)
- Technical Notes (11)
- Technical Papers (9)
- Letters To The Editor (2)

**Book Series**

1-20 of 143

**Search Results for petr**

Save search
Sort by Relevancy ▼

---

JOURNAL ARTICLES

**Fracture Toughness Measurement for B<sub>4</sub>C Composites with Hierarchical Microstructures: Comparison of Micro-indentation and Four-Point Bending Methods** ✔

Jingyao Dai, Jogender Singh, Namiko Yamamoto  
Journal: Journal of Testing and Evaluation  
Article Type: Technical Papers  
J. Test. Eval. (September 2024) 52 (5): 2967-2981.  
<https://doi.org/10.1520/JTE20240089>  
Published: 01 September 2024

... Yao, and Prof. Xin Ning from the Department of Aerospace Engineering (The Pennsylvania State University [PSU]), Kevin Busko and Petr Kolonin from the Applied Research Lab (PSU), Julie Anderson, Ke Wang, Haiying Wang, Jenny Gray, Manuel Villalpando, Tim Tighe, and Nichole Wonderling from Materials...

Abstract ▼
View article
📄 PDF
Add to Citation Manager

---

JOURNAL ARTICLES

**Effect of Metakaolin Content and Water/Binder Ratio on Strength and Durability Properties of Modified Cement Mortar** ✔

Jing Wei, Jiasheng Liu, Tongtong Zhang, Bowen Feng, Yaohua Chen, Yidi Zhang, Wanwan Fu, Xiaoming Tan  
Journal: Journal of Testing and Evaluation  
Article Type: Technical Notes  
J. Test. Eval. (March 2023) 51 (2): 1166-1180.  
<https://doi.org/10.1520/JTE20220217>  
Published: 01 March 2023

... , no. 6 (June 2021 ): 665 , <https://doi.org/10.3390/cryst11060665> Robu I., Petre I., and Saca N., " Behavior of Cement with Metakaolin Addition in Mortars and Concretes," Revista Romana De Materiale-Romanian Journal of Materials 42...

Abstract ▼
View article
📄 PDF
Add to Citation Manager

---

JOURNAL ARTICLES

**Effect of Metakaolin Content and Water/Binder Ratio on Strength and Durability Properties of Modified Cement Mortar** ✔

Jing Wei, Jiasheng Liu, Tongtong Zhang, Bowen Feng, Yaohua Chen, Yidi Zhang, Wanwan Fu, Xiaoming Tan  
Journal: Journal of Testing and Evaluation  
Article Type: Technical Notes  
J. Test. Eval. (March 2023) 51 (2): 1166-1180.

**Book Series: Narrow your results to a specific ASTM book series:**

- **Conference Proceedings/Selected Technical Papers (STPs):** peer-reviewed symposium papers.
- **Manuals:** practical application guides
- **Monographs:** in-depth, single-topic study
- **Data Series:** compiled technical data
- **Technical Reports**

**Issue Section: Refine by how content is grouped within a publication:**

- **Research Papers:** comprehensive studies.
- **Technical Manuscript:** detailed technical documentation.
- **Technical Papers, Review Articles, Technical Notes, and more.**

**Date: Control the time range of your results:**

- **Date Range:** Enter a start and end date to search within a specific time period.
- **Single Date:** Find items published on a specific day.

The screenshot shows the ASTM Digital Library search interface. At the top, there is a search bar with the text 'petr' and a dropdown menu for 'All Content'. Below the search bar is a navigation menu with options: Journals, Proceedings, Books, Resources, ASTM Compass, and Citation Manager. The main content area displays search results for 'petr', showing 1-20 of 143 results. The first result is a journal article titled 'Fracture Toughness Microstructures: Correlation with Fracturing Methods' by Jingyao Dai, Jogender Singh, and others. The second result is 'Effect of Metakaolin Content and Water/Binder Ratio on Strength and Durability Properties of Modified Cement Mortar' by Jing Wei, Jiasheng Liu, Tongtong Zhang, Bowen Feng, Yaohua Chen, Yidi Zhang, Wanwan Fu, Xiaoming Tan, and others. The third result is another article with the same title as the second. On the left side, there is an 'Update Search' section with a search bar containing 'petr' and a list of filters including Title, Author, Author Affiliations, Full Text, Abstract, Keyword, DOI, ISBN, EISBN, ISSN, EISSN, Issue, Volume, and References. Below the filters, there are checkboxes for various journal titles and article types. A blue callout box with a checkmark icon is overlaid on the search results, containing the following text:

**Tips for Using Filters**

1. Combine multiple filters (e.g., Journal + Date + Format) for the most precise results.
2. Uncheck filters to broaden your results.
3. After selecting your options, click Update to refresh the search results.

## EXPLORING ASTM DIGITAL LIBRARY CONTENT BY TYPE AND TOPIC

The ASTM Digital Library provides multiple ways to explore and interact with a wide range of authoritative content. In addition to search, users can browse dedicated landing pages and curated topic collections tailored to specific industries and research needs.

## EXPLORE BY CONTENT TYPE

You can access content across several primary formats:

### Journals

View a complete list of ASTM's active peer-reviewed journals. Each journal has its own homepage, featuring the latest issues, most-read or cited content, Open Access information, and author submission details.

### Conference Proceedings (STPs)

Explore Proceedings (STPs) coming from ASTM Symposia.

### Books

Browse ASTM's authoritative book series, including:

- Manuals
- Monographs
- Data Series
- Technical Reports

### Topic Collections

Discover curated content grouped by key industries such as:

- Consumer Goods
- Petroleum
- Metals
- Construction


[Browse All Journals](#) | [Collections](#) | [Authors](#) | [About](#) | [Citation Manager](#)


## Journals

### ASTM Journals


ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compindex, and Chemical Abstracts.

Browse All Journals







**Journal of Testing and Evaluation**




**Geotechnical Testing Journal**




**Advances in Civil Engineering Materials**



**Materials Performance and Characterization**




**Smart and Sustainable Manufacturing Systems**




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## CONTENT LANDING PAGES

Each journal issue and article, book and book chapters, or proceeding and proceedings papers include a dedicated landing page that provides:

- Easy navigation by issue, volume, or chapter
- Access to the most recent, most-read, and most-cited publications
- Introductory or editorial content related to the publication

These homepages help streamline access to related content and support deeper engagement with the publication or series.

## SHARED TOOLS ACROSS ALL CONTENT TYPES

Whether you're reading a journal article, book chapter, or conference paper, the ASTM Digital Library provides a consistent set of tools and features:

### Citation Tools

Export references in multiple formats (APA, MLA, Chicago, RIS, BibTeX, etc.) and send to popular reference managers like EndNote, RefWorks, and Mendeley.

### Download PDF

Access content offline via secure, watermarked PDF downloads.

### Split-Screen View

Read the main content alongside figures or references.

### Share Options

Email or share content on social media.


**Books**

[Manuals](#) | [Monographs](#) | [Technical Reports](#) | [Data Series](#) | [Collections](#) | [Resources](#)


## Manuals, Monographs, Technical Reports, and Data Series

Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Discover the current challenges and research related to the work of ASTM Technical Committees through our Technical Reports. Our Data Series covers specific applications, contains compiled data, and usually includes explanatory text.


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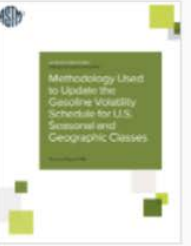
### Featured Books




**Fuels and Lubricants Handbook: Technology, Properties, Performance, and Testing**




**Rolling Bearing Steel: Design, Technology, Testing and Measurements**





**Methodology Used to Update the Gasoline Volatility Schedule for U.S. Seasonal and Geographic Classes**



**Guidelines for the Selection and Training of Sensory Panel Members**







### Author Profiles

Click on any author's name to view their affiliation, ORCID (if available), other publications in the ASTM Digital Library, and external research profiles (e.g., PubMed, Google Scholar).

### Related Content

Discover similar articles, papers, or chapters for extended research.

### Email Alerts

Subscribe to be notified when new issues, volumes, or relevant items are added to a journal, book series, or proceedings.

## CONSISTENT, INTUITIVE EXPERIENCE

Regardless of the type of content you're viewing, the platform's layout remains familiar and easy to use. Once you understand how to interact with journal articles, you'll find the same experience applied to:

- Book chapters
- Proceedings papers
- Topic collection items

This design consistency makes it easy to navigate across formats and ensures that essential tools, such as citation export, download, and sharing, are always accessible.

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## Proceedings

### Selected Technical Papers

This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.

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Pesticide Formulation and Delivery Systems: 42nd Volume

Pesticide Formulation and Delivery Systems: 42nd Volume, Building the Future of Agrochemicals for 2030 and Beyond

Roofing Research and Standards Development: 10th Volume

Roofing Research and Standards Development: 10th Volume

Bearing and Transmission Steels Technology

Bearing and Transmission Steels Technology

Radiation Embrittlement Trend Curves and Equations and Their Use for RPV Integrity Evaluations

Radiation Embrittlement Trend Curves and Equations and Their Use for RPV Integrity Evaluations

## HOW TO USE THE CITATION TOOLS ON THE ASTM DIGITAL LIBRARY

We know that for scholarly publishers and researchers, citation tools are not just conveniences—they are critical components of responsible, efficient, and impactful research.

The ASTM Digital Library offers two powerful tools to help streamline citation management during your research: the **CITE tool** and the **Citation Manager**.

1

### CITE Tool

Located directly beneath the title on any relevant content pages, the CITE tool enables two key actions:

### View Citation

Instantly view a formatted citation including all authors, title, publication details, and DOI.

### Download Citation File

Choose from a variety of formats compatible with reference managers:

- RIS (Zotero)
- Reference Manager
- EasyBib
- Bookends
- Mendeley
- Papers
- EndNote
- RefWorks
- BibTeX

The screenshot shows the article page for "Investigating the Effects of Partial Fly Ash Replacement with Limestone Powder in Concrete" in the journal "Advances in Civil Engineering Materials". The page includes a navigation bar with "Advances in Civil Engineering Materials", "Issues", "First Look Papers", "Collections", "Submit", "Resources", and "Citation Manager". The article title is prominently displayed, along with the authors "Meghana Yeluri, Mohammed A. Tarabishi, Srinivas Allena" and the journal information "Adv. Civ. Eng. Matls. (February 2025) 14 (1): 73-89". A toolbar offers options for "Split-Screen", "PDF", "Share", "Tools", and "Cite". The abstract text is visible, starting with "Fly ash has traditionally served as a supplementary cementitious material...". On the right side, there are sections for "View Metrics", "Email Alerts" (with options for Journal Article Activity Alert, Continuous Publishing Alert, and Latest Articles Alert), "Cited By" (listing Google Scholar), and a table of "Latest", "Most Read", and "Most Cited" articles.

2

**Citation Manager Tool**

In addition to the CITE tool, you can click **Add to Citation Manager** on relevant content. This sends the citation to the Citation Manager, accessible from the top navigation bar on any page.

**How to Use the Citation Manager:**

**01**

While reading or browsing content, click the CITE button.



**02**

In the citation window, click **Add to Citation Manager**.

**03**

Navigate to the **Citation Manager** via the top menu to view your collected list.

**04**

Select the citations using checkboxes, then click **Download Selected** to export.

**05**

**Important:** Be sure to download your citations before ending your session—the list is not saved once your browser window is closed.

Journals ▾ Proceedings ▾ Books ▾ Resources ▾ [ASTM Compass](#) [Citation Manager](#)

## Citation Manager

The contents of the Citation Manager are not saved from session to session. Before exiting the session, select the citations to download and click Download Selected.

**Select All / None**
Remove Selected
Download Selected

**Steel Forgings**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160006

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**Introduction to Comparing World Steel Standards**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160001

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**Structural Steel Plates**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160003

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**U.S. Reformulated Spark-Ignition Engine Fuel and the U.S. Renewable Fuel Standard**  
 Publisher: ASTM International Published: 2019

ISBN (print): 978-0-8031-7116-9  
 ISBN (electronic): 978-0-8031-7117-6  
 10.1520/MONO12-4TH-EB

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**Guidelines for the Selection and Training of Sensory Panel Members**  
 Lisa Christina Beck; Terese Tamminen

Publisher: ASTM International Published: 2023  
 ISBN (print): 978-0-8031-7159-6  
 ISBN (electronic): 978-0-8031-7160-2  
 10.1520/MNL90-2ND-EB

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**Evaluation of Different Shrinkage Control Methods on High-Performance Concrete**  
 Yifeng Ling; Yanbing Sun; Kejin Wang; Gilson R. Lomboy

*Advances in Civil Engineering Materials* (May 2025) 14 (1): 90–110.  
 10.1520/ACEM20240086

**Select All / None**
Remove Selected
Download Selected

**Tip:** anywhere you see an **Add to Citation Manager** button—whether on a journal issue, proceedings volume, or book table of contents—you can click it to instantly add that item to your Citation Manager list

## KEY FEATURES AND FUNCTIONALITY OF CITATION MANAGER

### Citation List

Displays each saved item with:

- Title (linked to article)
- Authors
- Publication name and date
- DOI or ISBN

### Select & Manage Citations

- Use checkboxes to select items individually or all at once.
- Select All/None options are available for bulk actions.
- Remove Selected to delete items.
- Download Selected to export in your chosen format.

### Citation Export

Supports export to popular formats, including:

- EndNote
- Zotero (RIS)
- Mendeley
- BibTeX
- RefWorks

### WHY USE IT?

- Conveniently compiles references across multiple articles during a session.
- Reduces the risk of missing important sources.
- Easily exports all your selected citations to your preferred reference tool.

Journals ▾ Proceedings ▾ Books ▾ Resources ▾ [ASTM Compass](#) [Citation Manager](#)

## Citation Manager

The contents of the Citation Manager are not saved from session to session. Before exiting the session, select the citations to download and click Download Selected.

**Select All / None**
Remove Selected
Download Selected

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**Steel Forgings**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160006

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**Introduction to Comparing World Steel Standards**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160001

---

**Structural Steel Plates**

2016. Handbook of Comparative World Steel Standards, John E. Bringas  
10.1520/MNLDS67D20160003

---

**U.S. Reformulated Spark-Ignition Engine Fuel and the U.S. Renewable Fuel Standard**

Publisher: ASTM International Published: 2019

ISBN (print): 978-0-8031-7116-9  
ISBN (electronic): 978-0-8031-7117-6  
10.1520/MONO12-4TH-EB

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**Guidelines for the Selection and Training of Sensory Panel Members**

Lisa Christina Beck; Terese Tamminen

Publisher: ASTM International Published: 2023  
ISBN (print): 978-0-8031-7159-6  
ISBN (electronic): 978-0-8031-7160-2  
10.1520/MNL90-2ND-EB

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**Evaluation of Different Shrinkage Control Methods on High-Performance Concrete**

Yifeng Ling; Yanbing Sun; Kejin Wang; Gilson R. Lomboy

*Advances in Civil Engineering Materials* (May 2025) 14 (1): 90-110.  
10.1520/ACEM20240086

---

**Select All / None**
Remove Selected
Download Selected

**Tip:** citations are not saved between sessions. Download before closing your browser.

## USING PERSONALIZATION TOOLS ON THE SILVERCHAIR PLATFORM

The Silverchair platform includes Personalization Tools designed to help users customize their research experience and streamline access to relevant content.

**TIP:** Even if you access the ASTM Digital Library through an institutional subscription, you'll need to create and log into a personal account to set up email alerts and save preferences. Use the **Sign In** or **Register for Account** option located in the top right-hand corner of the screen.

## KEY PERSONALIZATION FEATURES

### How to Set Up Email Alerts on the Silverchair Platform

The Email Alerts feature on the Silverchair platform keeps you up to date with the latest content, including new journal issues, articles, or books relevant to your research interests. Alerts are easy to subscribe to and help ensure you never miss important updates.

### Setting Up Email Alerts

01

#### Locate the Email Alerts Section

While viewing a journal issue or journal article page, book page, look to the right-hand sidebar for a box labeled Email Alerts.

#### You'll see options like:

- Latest Issue Alert
- New Book Alert
- Activity Alert (on article pages)

The screenshot displays the journal article page for 'Microcrack Propagation of Basalt Fiber Reinforced Pavement Concrete under Wheel Load and Freeze-Thaw Cycles Coupling'. The page includes a navigation bar at the top with links for 'Issues', 'First Look Papers', 'Collections', 'Submit', 'Resources', and 'Citation Manager'. The article title is prominently displayed, along with the authors' names: Zhennan Li, Aiqin Shen, Xiaoqian Dai, Xiushan Wang, and Panfei Zheng. Below the title, there are options to view the article information, the full text (PDF), and to share or cite the article. The abstract section provides a detailed summary of the research, discussing the crack resistance effect of basalt fiber in pavement concrete under specific conditions. On the right-hand side, there is a sidebar with sections for 'View Metrics', 'Email Alerts' (with options for 'Journal Article Activity Alert' and 'Latest Issue Alert'), 'Cited By' (listing 'Google Scholar'), and a list of related articles under 'Latest', 'Most Read', and 'Most Cited' categories.

02

**Click on the Alert Type**

- Click the alert link (e.g., Latest Issue Alert or New Books Alert).

03

**Confirm Your Preferences**

- After clicking, your alert preferences will be saved to your profile.
- You may be directed to a settings page where you can manage alert frequency or unsubscribe at any time.

**MANAGING YOUR ALERTS**

**To view or update your email alert settings:**

01

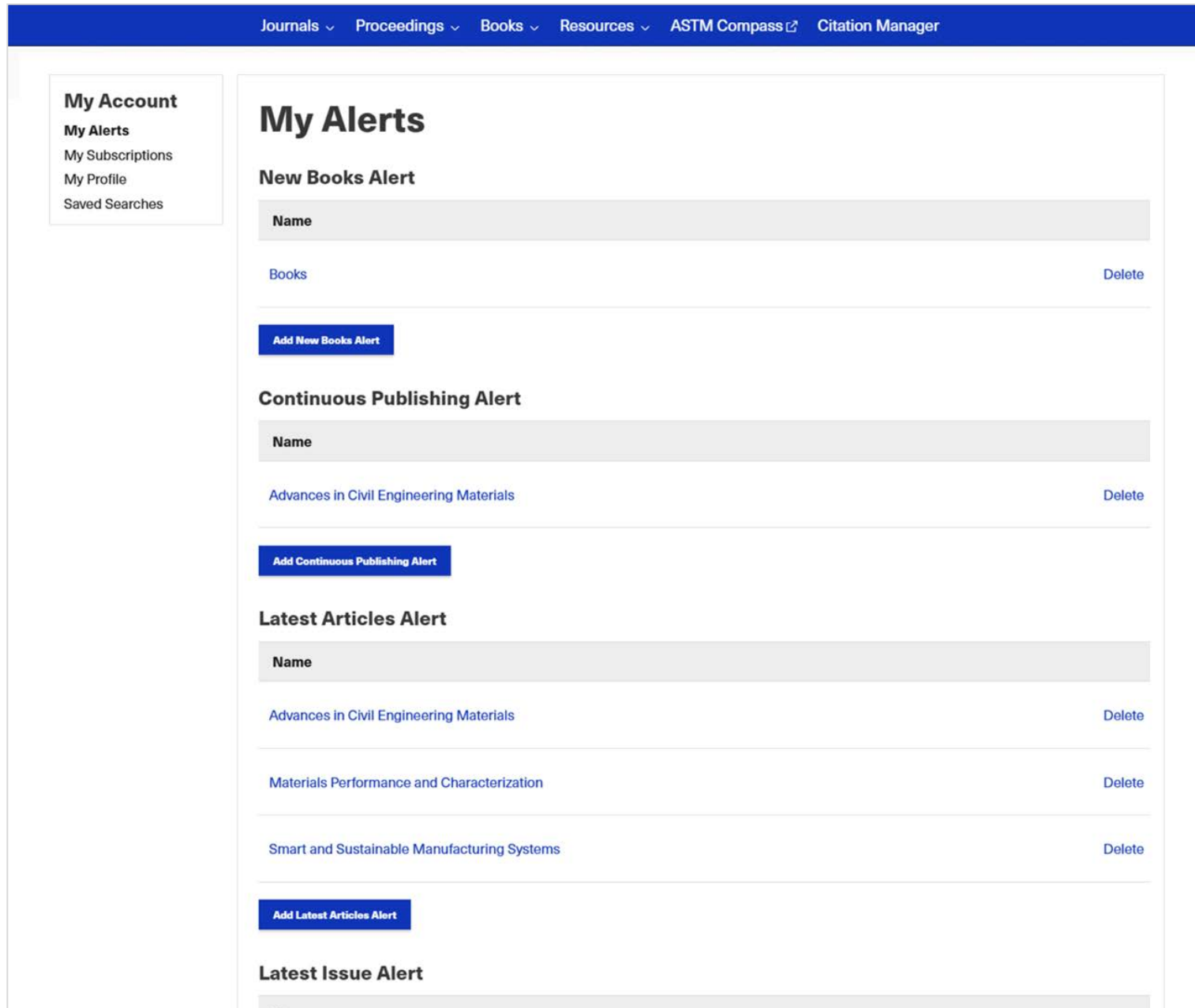
Sign in and navigate to your account, located in the **top right-hand corner**.

02

Navigate to **My Alerts**.

03

Modify, add, or remove alerts as needed.



The screenshot shows the 'My Alerts' page with a blue navigation bar at the top containing links for Journals, Proceedings, Books, Resources, ASTM Compass, and Citation Manager. On the left, a 'My Account' sidebar lists 'My Alerts', 'My Subscriptions', 'My Profile', and 'Saved Searches'. The main content area is titled 'My Alerts' and features three sections: 'New Books Alert', 'Continuous Publishing Alert', and 'Latest Articles Alert'. Each section has a 'Name' input field, a list of alerts with 'Delete' links, and an 'Add' button. The 'New Books Alert' section shows one alert named 'Books'. The 'Continuous Publishing Alert' section shows one alert named 'Advances in Civil Engineering Materials'. The 'Latest Articles Alert' section shows three alerts: 'Advances in Civil Engineering Materials', 'Materials Performance and Characterization', and 'Smart and Sustainable Manufacturing Systems'.

The **Saved Search** feature on the Silverchair platform lets you store search queries so you can easily run them again later—perfect for tracking ongoing topics or monitoring new publications in your area of interest.

**STEPS TO SAVE A SEARCH:**

**Perform a Search**

Use the search bar at the top of any page to enter your keywords or phrases..

**Refine Your Results**

Continue refining your results on the search results page by applying filters or sorting options to find the most relevant content.

**Click “Save Search”**

At the top of the search results page, look for the **Save Search** button.

**Name Your Search**

Give your saved search a name that helps you identify it later (e.g., **Additive Manufacturing Standards** or **Sustainable Concrete Research**).

**Follow This Search**

Select **Yes** if you’d like to receive alerts when new content matching your search is added to the site.

**Access Your Saved Searches**

After saving, you can view and rerun your saved searches by navigating to the My Account or Dashboard area and selecting **Saved Searches**.

[Journals](#) ▾ [Proceedings](#) ▾ [Books](#) ▾ [Resources](#) ▾ [ASTM Compass](#) [Citation Manager](#)

**My Account**

- [My Alerts](#)
- [My Subscriptions](#)
- [My Profile](#)
- Saved Searches**

## Saved searches

Name	Date Created	Site	Email Alert	
A20	Rename 03 Jun 2025	ASTM International	<input checked="" type="checkbox"/>	Delete
A36 steel	Rename 05 Jun 2025	ASTM International	<input type="checkbox"/>	Delete
additive manufacturing	Rename 05 Jun 2025	ASTM International	<input type="checkbox"/>	Delete
ASTM D86 – Standard Test Method for Distillation of Petroleum Products	Rename 05 Jun 2025	ASTM International	<input type="checkbox"/>	Delete
Environment & Sustainability	Rename 05 Jun 2025	ASTM International	<input type="checkbox"/>	Delete
Petroleum	Rename 03 Jun 2025	ASTM International	<input type="checkbox"/>	Delete
Smart and Sustainable Manufacturing Systems				Delete

[Add Latest Articles Alert](#)

### Latest Issue Alert

## ACCESSING ADDITIONAL RESOURCES FROM THE NAVIGATION BAR

The ASTM Digital Library offers a range of support resources to help users maximize their experience. These can be easily accessed through the top navigation bar under the “Resources” dropdown menu.

### Where to Find It

On any page within the ASTM Digital Library, look to the top of the screen. The navigation bar includes links for:

- Journals
- Proceedings
- Books
- Citation Manager
- ASTM Compass
- And a dropdown labeled Resources

### What You’ll Find Under “Resources”

**About:** Learn more about the scope and mission of the ASTM Digital Library and how it supports researchers, engineers, and standards developers across industries.

**Authors:** Find resources for current and prospective authors, including submission guidelines, author rights, and publishing opportunities with ASTM.

**Librarians:** Access tools and information specifically designed for librarians, including subscription support, usage statistics information, authentication setup, and promotional materials.

All Content ▼ 🔍

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## Explore the ASTM Digital Library

Access ASTM books, proceedings, and journal articles covering engineering disciplines, including aerospace, chemical, civil, environmental, geological, health and safety, mechanical, nuclear, petroleum, soil...

✓

**Tip:** if you have a subscription to ASTM Compass and access the platform via IP authentication, you will be automatically signed in. However, if your institution uses Single Sign-On (SSO), you will be prompted to log in using your credentials.

### Journals

ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compendex, and Chemical Abstracts.

### Proceedings

This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.

### Books

Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Learn about the current challenges and research related to the work of ASTM Technical Committees from our Technical Reports. Our Data Series cover specific applications, contain compiled data, and usually include explanatory text.

**Users:** Explore user-focused help materials, including navigation tips, platform tools, personalization options, and feature guides for readers and researchers.

**FAQs:** A helpful self-service section covering common questions about searching, downloading, accessing content, managing citations, and more.

**ASTM.org:** A direct link to the main ASTM International website for broader information about membership, standards development, and global activities.

**Contact us:** Need help? Contact [ASTM support](#) or sales for personalized assistance.

Search... All Content

Journals Proceedings Books Resources ASTM Compass Citation Manager

## Explore the ASTM Digital Library

Access ASTM books, proceedings, and journal articles covering engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, petroleum, soil science, and solar engineering.

**Tip:** hover over **Resources** at the top of any page to quickly access these support links without interrupting your workflow.

### Journals

ASTM journals cover areas such as testing and evaluation, materials performance, geotechnical and civil engineering, and smart and sustainable manufacturing. Papers are peer-reviewed and indexed in services such as Web of Science, Scopus, Ei Compendex, and Chemical Abstracts.

### Proceedings

This essential engineering collection contains more than 29,000 peer-reviewed technical papers and conference proceedings. All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers or an entire book.

### Books

Get practical, hands-on application information from our Manuals or highly technical information from our Monographs. Learn about the current challenges and research related to the work of ASTM Technical Committees from our Technical Reports. Our Data Series cover specific applications, contain compiled data, and usually include explanatory text.



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