

13.1.3 ASCE / ASME Journals



ASCE Journals Online (<http://www.pubs.asce.org/journals/jrns.html>)

American Society of Civil Engineers (ASCE) represents more than 137,500 members of the civil engineering profession worldwide, and is America's oldest national engineering society. It publishes 30 journals, periodicals and transactions that cover a comprehensive range of the civil engineering profession. ASCE journals are highly cited and are most relevant to the civil engineers for exchanging technical and professional knowledge. Information published in the journals of ASCE forms archival records not only of the technical advances of the ASCE but of the civil engineering profession as a whole.

Accessible to: IITs, IISc, NITs, ISM, SLIET, NERIST, AICTE-supported institutions (14) and self-supported institutions (21).



ASME Journals Online (<http://www.asme.org/pubs/journals/>)

American Society of Mechanical Engineers, (ASME) is a 120,000-member professional organization focused on technical, educational and research issues of the engineering and technology community. It facilitates the development, dissemination and application of engineering knowledge through its publication of 20 journals. It conducts one of the world's largest technical publishing operations, holds numerous technical conferences worldwide, and offers hundreds of professional development courses each year.

Accessible to: IITs, IISc, NITs, ISM, SLIET, NERIST, AICTE-supported institutions (14) and self-supported institutions (30).

Both ASCE and ASME journals are available on a platform called 'Scitation' at www.scitation.org.

Accessing ASCE and ASME Journals

ASCE and ASME are hosted on an online e-journal platform called "Scitation" (<http://www.scitation.org>). Scitation is a re-launch of an earlier e-journal hosting platform called 'Online Journal Publishing Service (OJPS)'.

Browse

- logon to <http://www.scitation.org/>, the interface would display all the journals hosted on the Scitation website, as shown below:

Scitation

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- Either scroll down to ASCE / ASME or sort the journals by publisher. Click at “Browse by Publisher” given at the top of the page and select “ASCE” or “ASME” from “Publisher” drop down menu selection bar as shown in the figure given below:

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[To add titles to MyPublications, check the box and click the "Add Selected" button (you must be [signed in](#) to Scitation to use this feature).]

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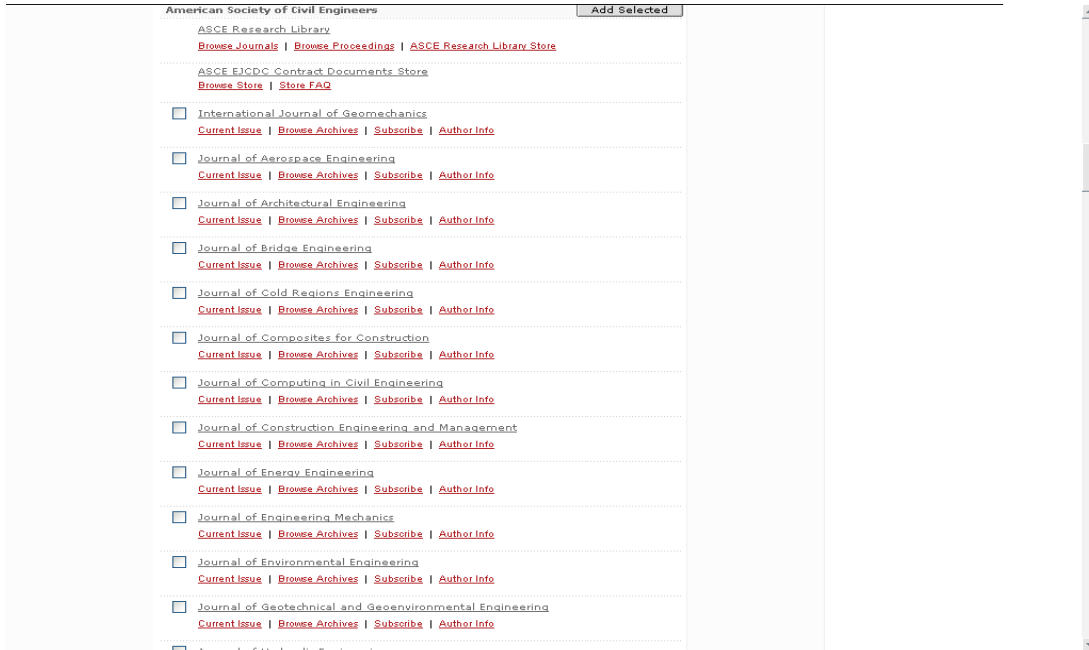
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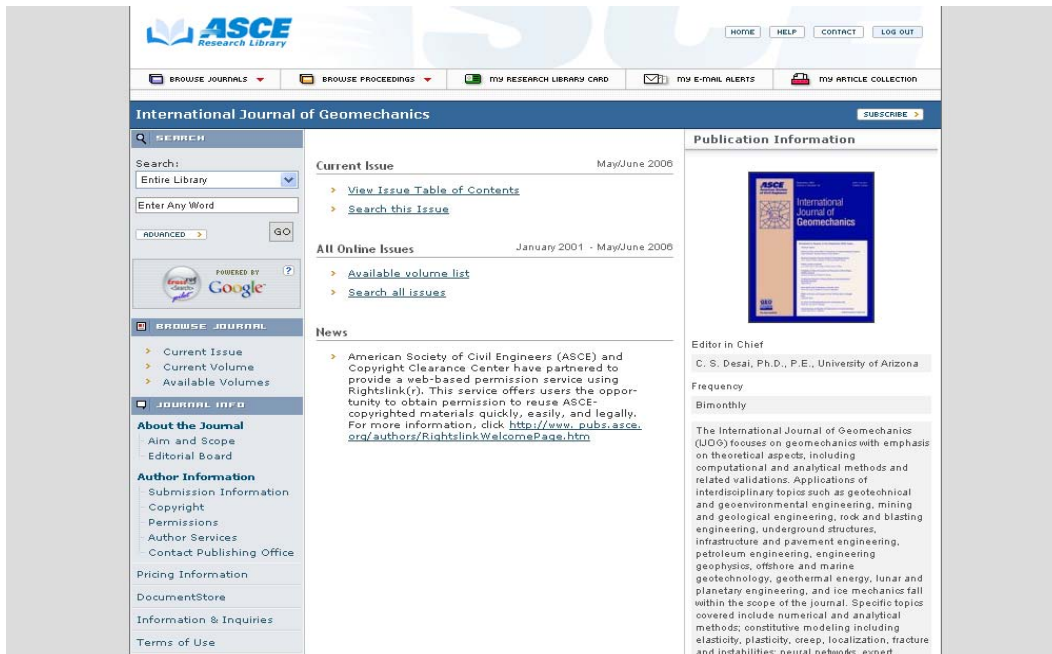
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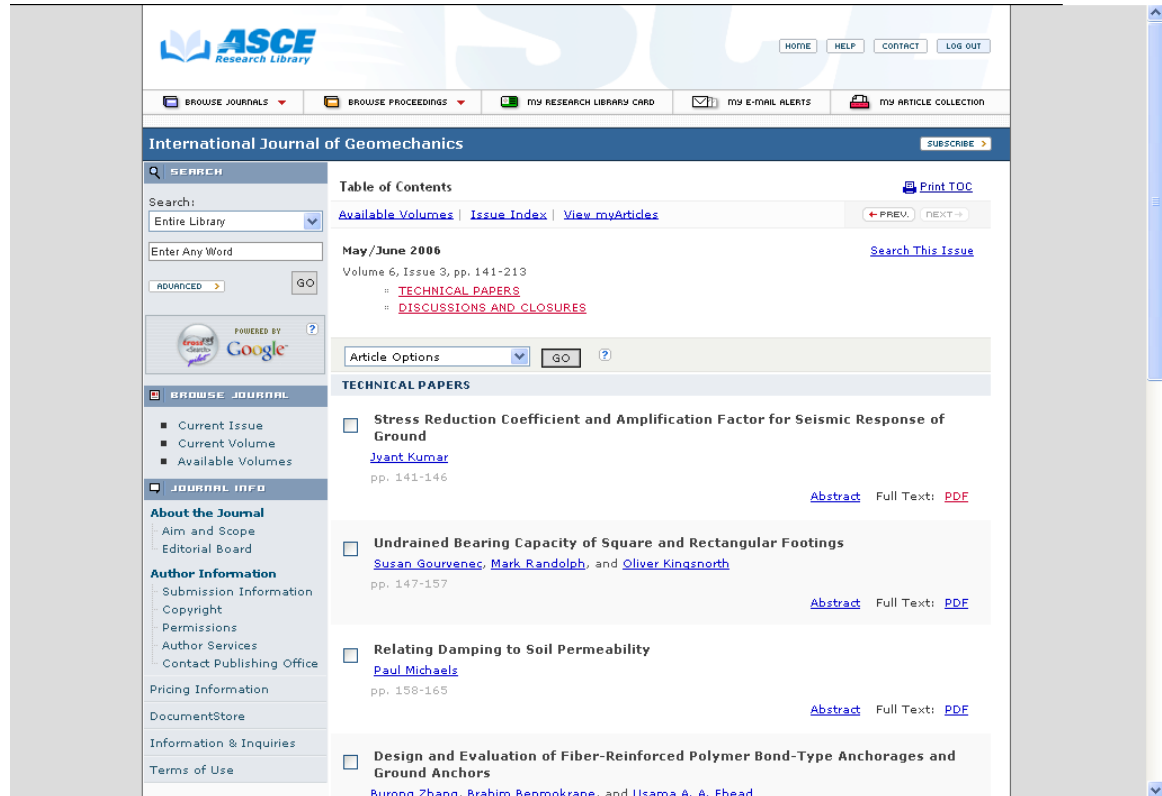
- Select “ASCE” or “ASME” to list all journals published online by these societies through Scitation. Selecting “ASCE” will lead you to the screen given below. Click at the journal you wish to browse.



- Clicking at ‘International Journal of Geomechanics’ will take you to the homepage of the journal as shown below:



- You can view “table of contents” of the current issue or list all available volumes / issues from the homepage of journal. Clicking at “table of contents” for the current issue will lead to the screen shown below:



The screenshot displays the ASCE Research Library interface for the International Journal of Geomechanics. The page features a navigation menu with options like 'BROWSE JOURNALS', 'BROWSE PROCEEDINGS', and 'MY RESEARCH LIBRARY CARD'. The main content area is titled 'Table of Contents' and includes a search bar, a 'Print TOC' button, and navigation links for 'Available Volumes', 'Issue Index', and 'View myArticles'. The current issue is identified as 'May/June 2006', Volume 6, Issue 3, pp. 141-213. Below this, there are sections for 'TECHNICAL PAPERS' and 'DISCUSSIONS AND CLOSURES'. The 'TECHNICAL PAPERS' section lists three articles with their titles, authors, and page numbers, each accompanied by an 'Abstract' and 'Full Text: PDF' link.

Simple Search

- logon to <http://www.scitation.org/>. Select “ASCE” or “ASME” as shown in figure for “Browse by Publisher”. Select any journal and from the homepage of the journal click at “Search”. You would get a multiple search query boxes (all of which have an associated pull-down *options* menu containing the most frequently searched zones), separated by a pull-down operator menu (which allows the user to specify a limited number of *boolean and proximity operators*) as shown in screenshot given below:

P.S.: You may also choose “Search” option from the Scitation homepage. However, search conducted through Scitation platform would bring results from all journals hosted by Scitation platform where as search conducted in the process referred above would restrict the search results to ASCE / ASME Journals as per your choice.

The screenshot shows the Scitation search interface. At the top, there are navigation links: Home, MyScitation, Browse, Search, Purchase Articles, and Usage Reports. The search bar is set to "Advanced" mode. Below the search bar, there are options to search in "Scitation", "SPIN", or "BOTH". There are three input fields for search terms, each with a dropdown menu for the search field (Full Bibliographic Record, Abstract/Title/Keywords, Author). The search is performed by Verity. There are also options for "Hitlist Sorting Options" (Show Most Recent First), "Records Per Page" (25), and "Threshold" (All). A section titled "The following options may be used to enhance your search query & results list." includes "Publication Date Range" (Month, Day, Year through Month, Day, Year) and "Volume/Issue Range" (From: Vol. [], Iss. [] To: Vol. [], Iss. []). A "Reset" button is available. Below the search options, there is a "TIPS & EXAMPLES" table:

TIPS & EXAMPLES	
Searching for . . .	Returns records containing:
perturbation	any word for which <i>perturb</i> is the stem, such as "perturbs", "perturbing", "perturbation", etc.
Muller	<i>Muller</i> or <i>Müller</i> but not <i>Mueller</i> (use Mu*ller for all three)

➤ Enter your keyword and choose your search preferences, i.e. full bibliographic records, title, author, affiliation, abstract, section head, etc and click on search icon. A search on “elasticity” and “Construction materials” provides three search results as shown below:

The screenshot shows the Scitation search results page. At the top, there are navigation links: Home, MyScitation, Browse, Search, Purchase Articles, and Usage Reports. The search bar is set to "Advanced" mode. Below the search bar, there are options to search in "Scitation", "SPIN", or "BOTH". There are three input fields for search terms, each with a dropdown menu for the search field (Full Bibliographic Record, Abstract/Title/Keywords, Author). The search is performed by Verity. There are also options for "Hitlist Sorting Options" (Show Most Recent First), "Records Per Page" (25), and "Threshold" (All). A section titled "The following options may be used to enhance your search query & results list." includes "Publication Date Range" (Month, Day, Year through Month, Day, Year) and "Volume/Issue Range" (From: Vol. [], Iss. [] To: Vol. [], Iss. []). A "Reset" button is available. Below the search options, there is a "TIPS & EXAMPLES" table:

TIPS & EXAMPLES	
Searching for . . .	Returns records containing:
perturbation	any word for which <i>perturb</i> is the stem, such as "perturbs", "perturbing", "perturbation", etc.
Muller	<i>Muller</i> or <i>Müller</i> but not <i>Mueller</i> (use Mu*ller for all three)

Scitation Search Results

[Back to Search Query | Start New Search | Searching Hints]

You were searching for: ((elasticity) <and> (construction material <IN> abstract <OR> construction material <IN> title <OR> construction material <IN> keywords))
 You found 3 out of 1171621 (3 returned) Documents 1 - 3 listed on this page

Options for selected Articles: [View MyArticles](#)

Check Article(s) then ... ?

Select up to 20 articles at a time.

- Ultrasonic Study on Hysteresis in Modulus of Elasticity in Norway Spruce as a Function of Year Ring**
 Edward Hæggröm, Tiina Koponen, Timo Karppinen, Pekka Saranpää, and Ritva Serimaa
 AIP Conf. Proc. **820**, 1366 (2006) Full Text: [PDF (238 kB) GZipped PS]
 Order Document
- Behavior of Strip Footings Resting on Sand Reinforced with Tire-Chips**
 F. M. Abdrabbo, H. M. Abouseeda, K. E. Gaaver, and M. A. El-Marassi
 ASCE Conf. Proc. **166**, 6 (2005) Full Text: [PDF (298 kB) GZipped PS]
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- Development of a Geomaterial from Dredged Bay Mud**
 Takashi Tsuchida, Ali Porbaha, and Nobuyuki Yamane
 J. Mat. in Civ. Engrg. **13**, 152 (2001) Full Text: [PDF (522 kB) GZipped PS]
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[Back to Search Query | Start New Search | Searching Hints]

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- To view/download the full-text article of your choice, click at the pdf /zipped PS links.

Tips & Examples	
Searching for . . .	Returns records containing:
perturbation	any word for which perturb is the stem, such as "perturbs", "perturbing", "perturbation", etc.
Muller	Muller or Müller but not Mueller (use Mu*ller for all three)
de Vega, Hector J	any single or multi-part last name preceding the comma
"68.65.+g"	exactly the quoted string.
((symmetry or quantum) and electro*)	the specified Boolean combination.
If you're looking for . . .	Enter:
names or terms containing accented characters like "Schrödinger" or "Houzé" . . .	the names or terms using the unaccented version of the character, i.e., "Schrodinger" or "Houze." (Do not cut and paste accented characters directly from HTML or your computer's character mapping tool.)

Advanced Search

1. Follow the procedure given above for simple search and click on “advanced search”. You will be taken to advanced search page as shown below:

The screenshot shows the Scitation website's advanced search interface. At the top, there are navigation links like 'Home', 'MyScitation', 'Browse', 'Search', 'Purchase Articles', and 'Usage Reports'. The search bar is set to 'Advanced' mode. Below the search bar, there are radio buttons for 'Scitation', 'SPIN', and 'ALL'. A section titled 'The following options may be used to enhance your search query & results list.' contains several filters: 'Hitlist Sorting Options' (Show Most Recent First), 'Records Per Page' (25), 'Threshold' (All), 'Publication Date Range' (Month, Day, Year through Month, Day, Year), and 'Volume / Issue Range' (From: Vol. [] Iss. [] To: Vol. [] Iss. []). There is a 'by Verity' logo and a 'Reset' button. At the bottom, a table titled 'ADVANCED SEARCH DESCRIPTIONS & EXAMPLES' provides details on search syntax.

Descriptions	Valid Syntax	Examples
Searchable Zones:	Notes: spaces are required around all "<" and ">" symbols.	Notes: placing a word or phrase inside double quotes finds exact matches only, excluding stemmed variations such as plurals, -ed, -ing, etc.
Abstract/TiHa/Keywords	term <IN>	dynamic <IN> abstract <OR>

2. Advance search offers a single search query box, without any zone or operator menus with instructions to compose the search query or use the descriptions and examples given in the table reproduced below to. The advance search allows a user to perform wide range of advanced searches. However, a user is required to be thorough with techniques of conducting a search query. He / she is responsible for correct syntax and use of valid combinations of query words and operators for getting the best results.
3. Fill in the search box with keywords of your choice with logical operators / Boolean operators. Advanced search should be used by experienced users. Online help is available for advanced search. Select / fill options available on the page to enhance your search query. Then click the search icon.
4. You will get a search results page(s) as shown in basic search section. To view / download full-text articles, click at the HTML / pdf / zipped PS links.

DESCRIPTIONS	VALID SYNTAX	EXAMPLES
Searchable Zones:	Note: spaces are required around all "<" and ">" symbols.	Note: placing a word or phrase inside double quotes finds <i>exact</i> matches only, excluding stemmed variations such as plurals, -ed, -ing, etc.
Abstract/Title/Keywords (of article)	term <IN> abstract <OR> term <IN> title <OR> term <IN> keywords	dynamics <IN> abstract <OR> dynamics <IN> title <OR> dynamics <IN> keywords
Author (of article)	term <IN> author (<i>shortcut:</i> au)	jones <IN> author jones <IN> au
Author (cited)	term <IN> biauthor	jones <IN> biauthor
Affiliation (of author; generally location)	term <IN> affiliation (<i>shortcut:</i> af)	"max planck" <IN> affiliation "max planck" <IN> af
Abstract	term <IN> abstract	gluon <IN> abstract
Title	term <IN> title	Physics <IN> title
Keywords	term <IN> keywords	gluon <IN> keywords
Section Head	term <IN> sec1 (major heading) <OR> term <IN> sec2 (minor heading)	optics <IN> sec1 <OR> optics <IN> sec2
Country (of primary author)	term <IN> country	"united states" <IN> country
Subject (text of primary)	term <IN> subject	lattice dynamics <IN> subject

PACS code)	(<i>shortcut</i> : su)	lattice dynamics <IN> su
Journal (name of journal)	<i>term</i> <IN> journal (<i>shortcut</i> : jo)	chaos <IN> journal chaos <IN> jo
Coden (coden of journal)	<i>term</i> <IN> coden	APPLAB <IN> coden
Volume (of journal)	<i>term</i> <IN> volume	105 <IN> volume <i>Usage</i> : (jcpsa6 <IN> coden) <AND> (105 <IN> volume)
Issue (of volume)	<i>term</i> <IN> issue	24 <IN> issue <i>Usage</i> : (jcpsa6 <IN> coden) <AND> (105 <IN> volume) <AND> (24 <IN> issue)
Issue Date	<i>term</i> <IN> issuedate	December 22, 1996 <IN> issuedate <i>Usage</i> : (jcpsa6 <IN> coden) <AND> (December 22, 1996 <IN> issuedate)
Page (first page of abstract)	<i>term</i> <IN> fpage	2471 <IN> fpage <i>Usage</i> : (jcpsa6 <IN> coden) <AND> (105 <IN> volume) <AND> (2471 <IN> fpage)
PACS Codes (numerical entries)	<i>term</i> <IN> pacs	42.55.Gp <IN> pacs
PACS Text (text entries)	<i>term</i> <IN> pacstext	"excimer lasers" <IN> pacstext
PACS Year	<i>term</i> <IN> pacsyr	1996 <IN> pacsyr
Document Type or Kind	<i>term</i> <IN> type	experimental <IN> type (<i>Valid types are</i> : abstract, apparatus, brief report, book review, comments, communications, computing, data, experimental, letter, method, note, patent, popular, review, special, theoretical, unspecified journal)
<i>Boolean and Proximity Operators:</i>	Note: all operators except AND, OR, and NOT must be surrounded by "<" and ">" symbols.	
Find both terms	<i>term1</i> <AND> <i>term2</i>	proton <AND> electron
Find one or both terms	<i>term1</i> <OR> <i>term2</i>	smith <OR> jones
Find one or both terms	<i>term1</i> <ACCRUE>	smith <ACCRUE> jones

(both scores higher)	<i>term2</i>	
Find documents excluding a term	<i>term1</i> <NOT> <i>term2</i> <NOT> <i>term</i>	"lasers" <NOT> "excimer" <NOT> superconductivity
Find terms in close proximity	<i>term1</i> <NEAR> <i>term2</i>	air <NEAR> pollution
Find terms separated by <i>x</i> words	<i>term1</i> <NEAR/ <i>x</i> > <i>term2</i> (where <i>x</i> = # of words separating terms)	optical <NEAR/3> systems
Find nearby terms in a given order	<ORDER> <NEAR> (<i>term1 term2</i>)	<ORDER> <NEAR> ("thin film")
Wildcard Characters:		
Specify one and only one character (You can use a ? to specify the first letter of a word)	?	p?oton (<i>finds</i> proton, photon)
Specify zero or more characters (You cannot use a * to specify the first letter of a word)	*	neutr* (<i>finds</i> neutron, neutrino, ...)

Viewing Full-text of an Article

A user can access full-text of an article from ASCE / ASME in three formats, namely, HTML, PDF and Post Script through 'Table of Contents' on search results as mentioned below:

1. To view 'HTML' version, click at either HTML or Sectional HTML link from 'Table of Contents' or from search results.
2. To view a full-text PDF article, click at PDF link.
3. To view full-text Compressed PostScript article, click at Zipped PS link.



The screenshot shows a search results interface with the following elements and annotations:

- Options for selected Articles:** Includes a dropdown menu for "Check Article(s) then ..." and a "Go" button. A note below says "Select up to 20 articles at a time."
- RESEARCH PAPERS:** A section header for the search results.
- Article Title:** "Development of Elastic Forces for a Large Deformation Plate Element Based on the Absolute Nodal Coordinate Formulation" by Aki M. Mikkola and Marko K. Matikainen, pp. 103-108.
- Links:** "Abstract", "Full Text:", "HTML Sectional HTML", "PDF (168 kB)", "GZipped PS", and "Order".
- Annotations (Red boxes with arrows):**
 - "To view a fulltext PDF article from an HTML TOC" points to the "PDF (168 kB)" link.
 - "To view a full-text Compressed PostScript article from an HTML TOC" points to the "GZipped PS" link.
 - "To view HTML or Sectional HTML" points to the "HTML Sectional HTML" link.