

ICE Publishing

Shaping your future

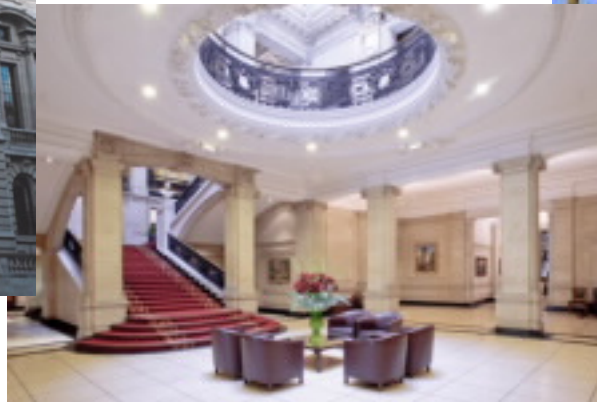
ice
Institution of Civil Engineers

publishing



Institution of Civil Engineers (ICE)

- * Westminster, London (UK)
- * ICE is...a qualifying body, a centre for the exchange of specialist knowledge, and a provider of resources to encourage innovation and excellence in the profession worldwide..
- * One of the largest Civil Engineering libraries in the World.
- * Not for profit – society publisher
- * Membership organisation



ICE Journal content 2014

- * ICE Specialist Engineering Journals (18 titles)
- * ICE Publishing Engineering Journals (11 titles)
- * New Science Journals (5 titles)
- * Ahead of Print program (AOP)
- * Indexed by Thomson Reuters Online
- * Access from 2003 – current

- * ICE virtual library www.icevirtuallibrary.com



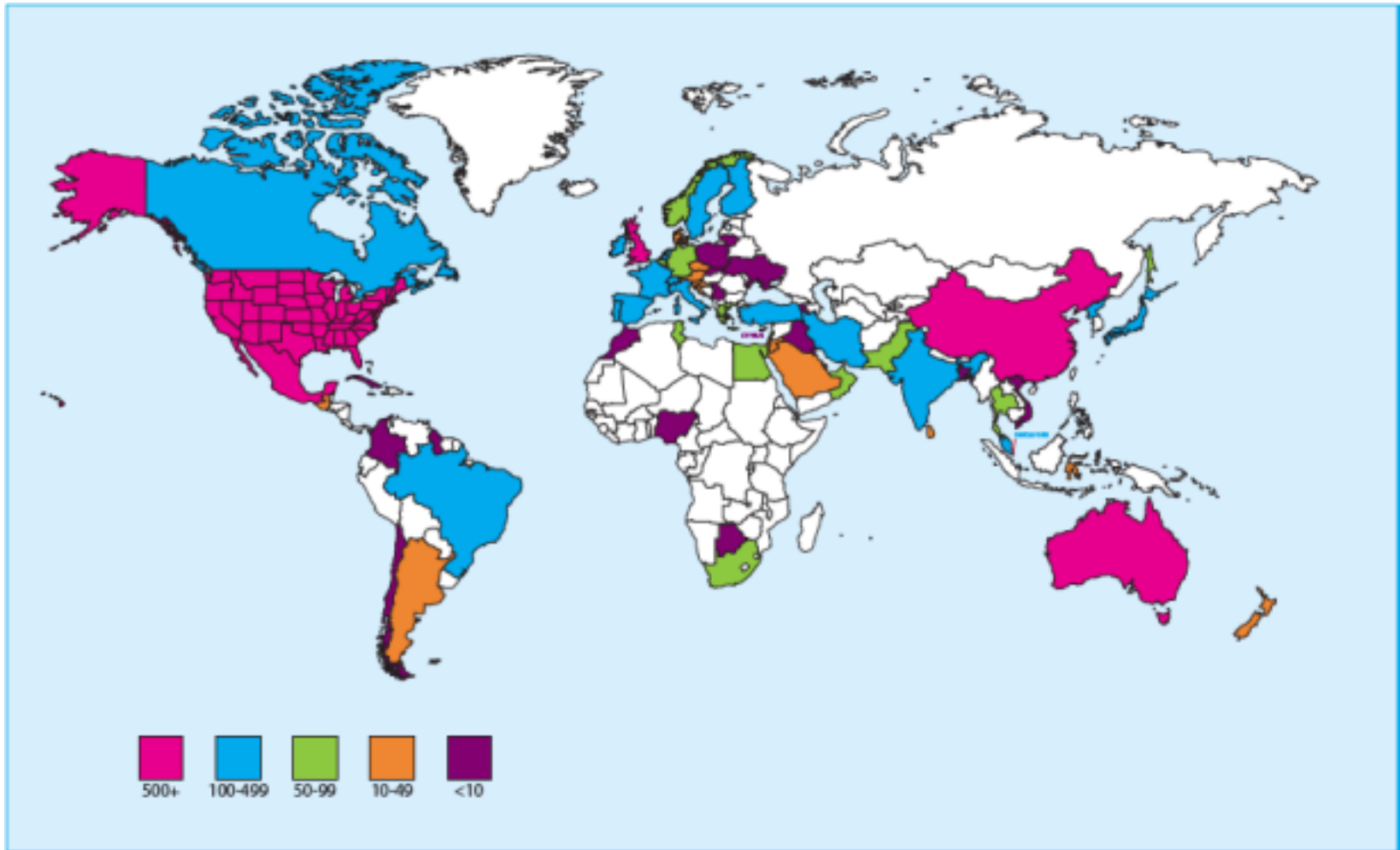
Content coverage – by subject

Research / Professional Interest Area	Related ICE Journal
Structural engineering	Structures & Buildings, Structural Concrete, Civil Engineering, Bridge Engineering
Geotechnical engineering	Geotechnical Engineering, Ground Improvement, Geosynthetics International, Geotechnique, International Journal of Physical Modelling in Geotechnics, Geotechnique Letters, Environmental Geotechnics, Geotechnical Research
Construction process & management	Management, Procurement & Law, Civil Engineering, Infrastructure Asset Management
Built environment	Urban Design & Planning, Municipal Engineer
Water, hydrology, & coastal engineering	Water Management, Dams & Reservoirs, Maritime Engineering, Engineering & Computational Mechanics
Construction materials	Construction Materials, Advances in Cement Research, Geosynthetics International, Magazine of Concrete Research
Environment	Energy, Waste & Resource Management, Engineering Sustainability, Water Management, Journal of Environmental Engineering and Science, Environmental Geotechnics
Transportation	Transport, Urban Design & Planning, Municipal Engineer
History	Engineering History & Heritage

ICE Publishing Journals

- * ICE journals are unique in deliberately covering both research and practice, bringing together these two communities for the good of society (applied-research)
- * ICE Publishing now offers 8 journals in the Geotechnical field, establishing itself as the 'home' of geotechnical engineering
- * ICE Virtual Library presents research from authors originating in 67 countries across five continents (January 2008 – April 2011 analysis), making ICE Publishing a truly international publisher

International impact: Journal papers published



Global Customers include...

* USA / CANADA

- MIT, Stanford University, University of California, University of Texas, Texas A&M University, Columbia University, University of Toronto

* EUROPE

- Imperial College, University of Cambridge, UCL, TIBUB (Germany), ETH Zurich, KIT (Germany), EPFL

* ASIA

- National University of Singapore, Hong Kong University of Science and Technology, University of Hong Kong, Kyoto University (Japan), National Taiwan University, Indian Institute of Technology, KAIST (South Korea)

* ANZ

- University of Queensland, University of Melbourne, University of Canterbury, Monash University, University of Auckland

* Companies

- Atkins, Arup, Mott Macdonald, KBR, Mitsubishi

Key Titles - Geotechnique



- * Established for 46 years
- * The World's premier geotechnics journal publishing research at the highest level.
- * Rock and soil mechanics, engineering geology and environmental geotechnics

Key ICE Journal titles – Impact



Advances in Cement Research
Impact Factor: 1.08



Géotechnique
Impact Factor: 1.46

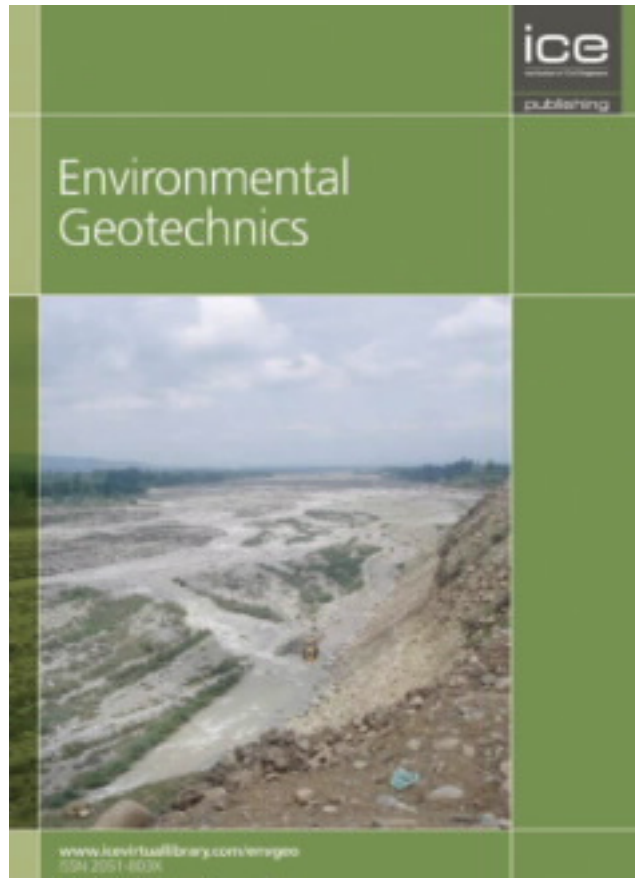


Magazine of Concrete Research
Impact Factor: 0.50



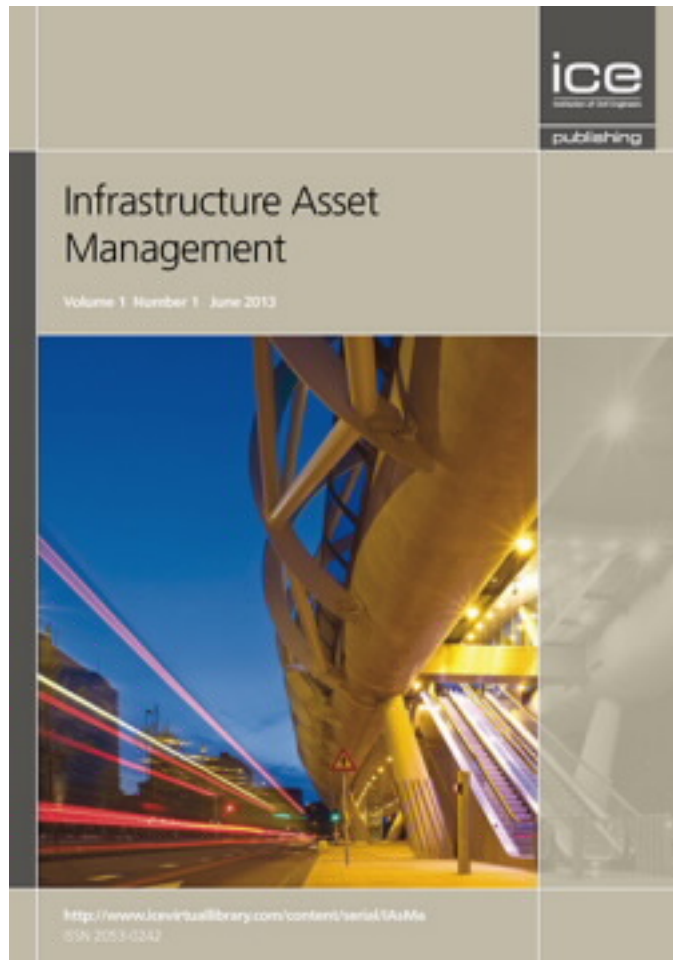
Geosynthetics International
Impact Factor: 1.08

New for 2014



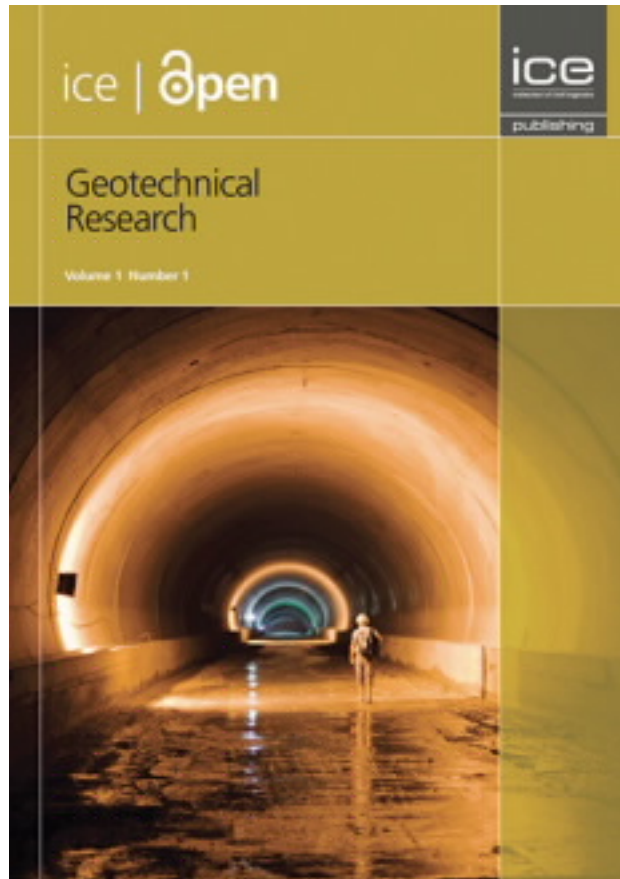
- * ***Environmental Geotechnics***
- * Geoenvironmental engineering
- * Full papers, short communications and reviews
- * Geochemistry, rock physics, soil and water conservation, electromagnetics, sensor developments, impact of climatic change

New for 2014



- * ***Infrastructure Asset Management***
- * Multidisciplinary
- * Papers, case studies, editorial
- * Planning, risk, management, standards, BIM, GIS

New for 2014



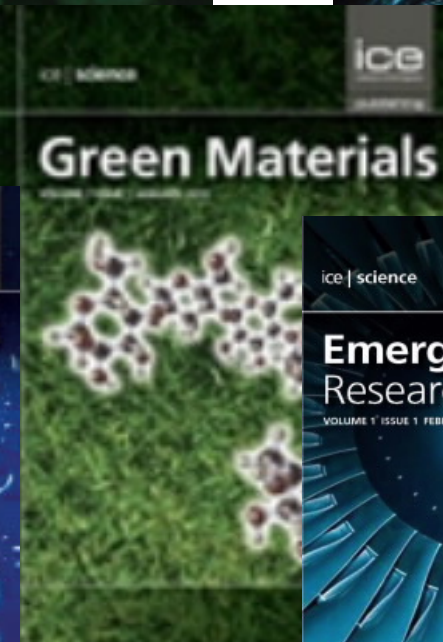
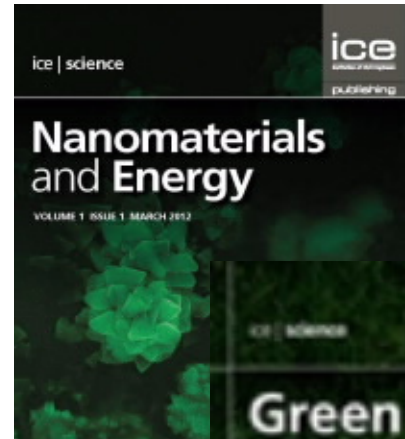
- * ***Geotechnical Research***
- * New Open Access journal from ICE Publishing
- * Wide subject scope in Geotechnical engineering

New! ICE Science Journals

ice
Institution of Civil Engineers

publishing

- * 3 journals launched in 2012, plus 2 in 2013
- * Contemporary topics
- * International focus
- * Full colour



- *ICE Complete Engineering Journals Archive 1836 – 2002
- *ICE Specialist Engineering Journals Archive 1836 - 2002
- *Geotechnique Archive 1948 – 2002
- *Magazine of Concrete Research 1949 – 2002
- ***Added for 2013:**
 - Advances in Cement Research 1987 - 2002



ICE Journal Packages

- * ICE Complete Engineering Journals Collection (previously ICE Complete Journals Collection)
 - All current ICE engineering journals and archives 1836 - current

- * ICE Current Engineering Journals Collection (previously ICE Current Journals Collection)
 - All current ICE engineering journals (from 2003)

- * ICE Specialist Engineering Journals Collection (previously ICE Proceedings Current Journals Collection)
 - All Proceedings journals from 2003

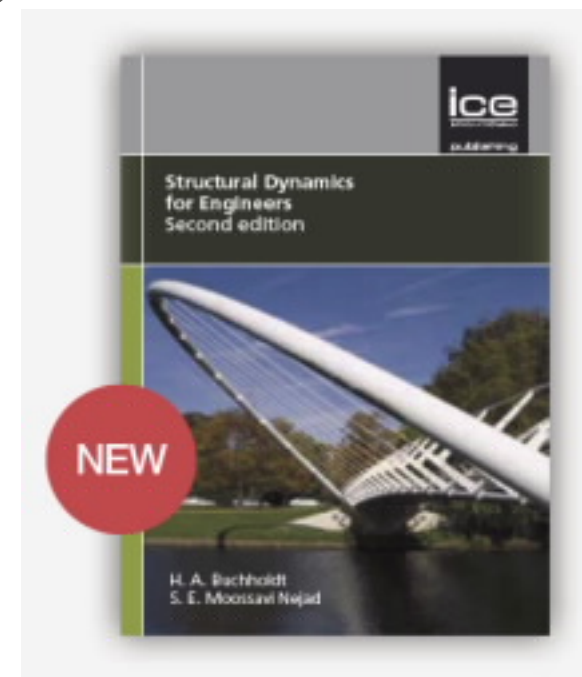
- * ICE Science Journals Collection (launched 2012)

- * One package option gives easy access to all ICE content:
 - All ICE Archives from 1836
 - All ICE engineering journals
 - All ICE science journals
 - All ICE ebooks

The Complete Solution.

eBooks from ICE Publishing

- * The largest civil engineering ebook collection in the world
- * Over 1400 titles spanning more than 100 years
- * Available in collections: complete, subject, customised
- * Flexible purchasing models to suit your budgets
- * **No user number restrictions**
- * Access online www.icevirtuallibrary.com

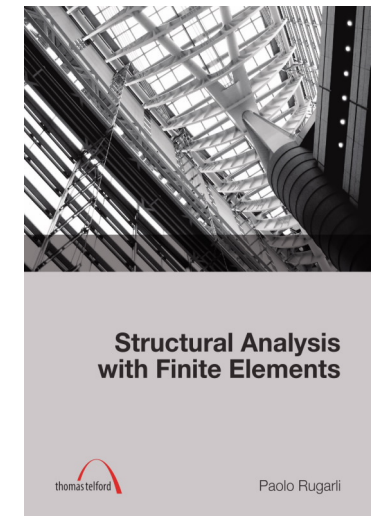
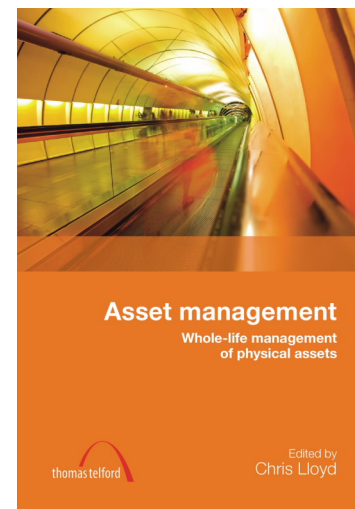
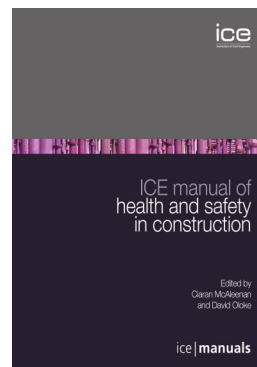
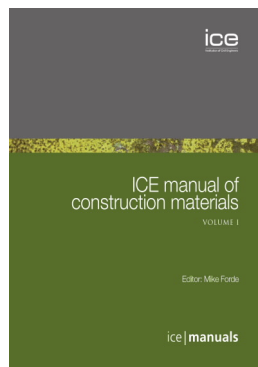
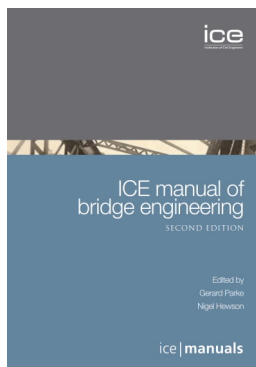
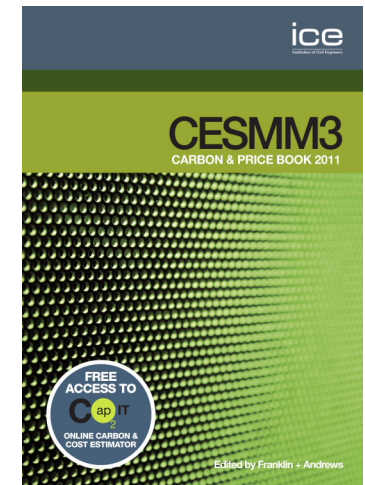


eBook Coverage

ice
Institution of Civil Engineers

publishing

- * Conference Proceedings
- * Reference books
- * Technical guides
- * ICE Manuals series
- * Conditions of contract
- * Technical specifications
- * Textbooks – **NEW in 2014!**



ICE Virtual Library

The screenshot shows a web browser window with the URL <http://www.icevirtuallibrary.com/>. The browser's address bar and menu bar (File, Edit, View, Favorites, Tools, Help) are visible. The website header features the ICE logo and the text "ice | virtual library" with the tagline "essential engineering knowledge". A search bar is present with a "Search" button. Below the header is a navigation menu with links for "Journals", "Books", "All titles (A to Z)", "Collections", "Subjects", and "About".

The main content area features a large banner titled "Best of Research and Practice" with the text "The most innovative papers from leading journals FREE to read and delivered to your inbox". To the right of the banner is a laptop displaying the ICE logo and the text "Unique e-alert service Sign-up today >". Below the banner is a welcome message: "Welcome to the ICE Virtual Library from ICE Publishing, the most comprehensive online civil engineering resource in the world. Here you can explore our archives back to 1836, browse ICE Publishing's internationally renowned journals and access over 1,500 print and ebooks to find the information you need."

On the right side of the page, there are sections for "Sign-in" (with a link to "Sign-in via Athens / your institution"), "Register" (with a link to "Register to personalise this site"), and "Share" (with icons for various social media and sharing options). Below these is a "Key:" section with a legend: "DA Open access content", "S Subscribed content", "F Free content", and "T Trial content".

At the bottom of the page, there are two columns: "Latest News" and "Resources". The "Latest News" column lists several articles, including "Buried nuclear waste: will it burst?", "How fast are pedestrians?", "Fossil fuel: accounting for hidden emissions", "Civil engineers: preparing the next generation", "Improving flood prediction", "Dutch civils go natural", "Keeping mattresses simple", "Harvesting pavement power", "Danger: old prestressed concrete beams", and "How to keep wind turbines upright". A link is provided to "Click here to access all the news from ICE Publishing." The "Resources" column lists "For authors", "For librarians", and "For ICE members", each with a brief description of the resource.

At the bottom right, there is a vertical banner for "The Story of British Civil Engineering Contractors" featuring the ICE logo and a book cover image.

Shopping cart | Help | Contact us

ice | virtual library

essential engineering knowledge

Advanced Search

Search



Journals

Books

All titles (A to Z)

Collections

Subjects

About

Submit your article online to an ICE Publishing journal >> Advanced search

Advanced search

Enter one or more search criteria below.

Boolean AND, OR and NOT are supported (e.g. pitt AND flooding).

Use quotation marks (" ") to find an exact phrase (e.g. "mortar spalling").

Use asterisks to match partial words in fields (e.g. atkins*).

Search for:

 All of these words

With this title:

With this author:

With this ISSN / ISBN or DOI:

But don't search for:

Search within

This publication type:

 All

This subject:

 All Subjects

Search between these dates:

From

 All Years

to

Sort results by:

Sort results by:

 Relevance

Sign-in

Sign-in via Athens / your institution

Register

Register to personalise this site

Share:



Key:

- Open access content
- Subscribed content
- Free content
- Trial content

ice | science

Meet the Editors

of our unique journal series in Materials Science



Shopping cart | Help | Contact us

ice | virtual library
essential engineering knowledge

Search



Home | Journals | Books | All titles (A to Z) | Collections | Subjects | About

Submit your article online to an ICE Publishing journal >> Search Results

Search Results

1-10 of 7,593 results, from All Fields (excluding fulltext) contains 'concrete'. Modify this search >

Filter by subject:

- Construction Materials [2375]
- Innovation Research [2318]
- Innovation and Research [2318]
- Concrete & Conc. Reinforcement [1591]
- Conference Proceedings [1471]
- Structures and Buildings [1051]
- Sitework [593]
- Struct., Analysis and Struct. Design [535]
- Emerging Materials Research [409]
- Energy [409]
- See more...

Filter by content type:

- Article [4385]
- Chapter [2533]
- Book [157]
- Ahead of Print Article [65]
- Conference Proceedings [58]
- [2]

Filter by author:

- UNKNOWN [50]
- R. K. Dhir [38]

Sort by: Relevance | **Newest first** | Oldest first Show / Hide descriptions

Performance of large reinforced concrete columns under axial compression loads

Authors: Tai-Kuang Lee, Cheng-Cheng Chen, Ken Hwa, Austin D. E. Pan
Source: Proceedings of the ICE - Structures and Buildings, Volume 167, Issue 5 May 2014, pages 300 - 311

Type: Article
- Hide Description

Six sets of large-scale, square, reinforced concrete columns are tested under monotonically static axial compression loads. The primary variables are type of cross-tie engagement, cross-tie placement offset and type of hoop. The tests confirm that the cross-tie hook engaging the hoop or engaging both the hoop and the longitudinal steel bars is better than just engaging the longitudinal steel bar. It is observed that the effect of not altering end for end along the longitudinal reinforcement is not significant to the efficiency of the cross-ties. Hoops composed of two overlapped L-shape ties, with a 135° hook at each end, in reinforced concrete columns gave acceptable performance, and it is convenient to facilitate the fabrication of reinforcing cages using that set-up. However, the effectiveness under cyclic loading needs further study.

★ Add to favorites

Static mechanical properties of polyvinyl alcohol fibre reinforced concrete (PVA-FRC)

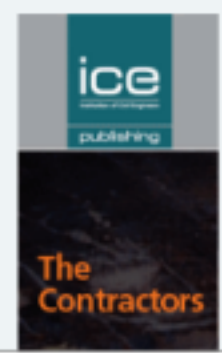
Sign-in
Sign-in via Athens / your institution

Register
Register to personalise this site

- Tools
- View search History
 - Save search
 - Create search alert
 - + Cite this

Share:

- Key:
- OA Open access content
 - S Subscribed content
 - F Free content
 - T Trial content



For Librarians

- * Counter compliant usage statistics for books and journals
- * Marc records supplied free with e-books
- * Library Branding available
- * email alerts for new content
- * Access via Shibboleth or athens
- * All journal content archived in Portico
- * Librarians section on Virtual Library
- * Indexed in the following:
 - Scopus, Inspec, EI Compendex, EBSCO Discovery services, Google Scholar
 - Crossref,
 - Coming soon – Primo, Web of Science, Summon
- * Perpetual access to paid-for content

- * <http://www.icevirtuallibrary.com/subscribedtitles>

Thank you

Lesley Maw

Sales Manager
ICE Publishing

lesley.maw@icepublishing.com