

CRCnetBASE

จิรวัดน์ พรหมพร

jirawat@book.co.th

แผนกสนับสนุนทรัพยากร

อิเล็กทรอนิกส์ทางการศึกษา

บริษัท บুক โปรโมชัน แอนด์ เซอร์วิส จำกัด

ปรับปรุงล่าสุด 03/03/53

Introduction

CRC Press เป็นหนึ่งในสำนักพิมพ์ของ
กลุ่ม Taylor & Francis ซึ่งเป็นสำนักพิมพ์ชั้นนำ
แถวหน้าของโลก CRC Press ให้บริการหนังสือ
อิเล็กทรอนิกส์ทางสาขาวิทยาศาสตร์และ
เทคโนโลยี รวมถึงสาขาบริหารจัดการมากกว่า
6,000 ชื่อ ภายใต้ชื่อ CRCnetBASE

- Agriculture
- Biological Science
- Business
- Chemistry
- Civil Engineering
- Clean Technology
- Computer Science
- Economics
- Electrical Engineering
- Engineering
- Environmental Science
- Ergonomics
- Food Science
- Forensics
- Geological Science
- Industrial Science
- Information Security
- Information Technology
- Materials Science
- Mathematics

- Mechanical Engineering
- Military Science
- Nanoscience &
Nanotechnology
- Neuroscience
- Nutritional Science
- Occupational Health &
Safety
- Pharmaceutical
- Physics
- Plant Science
- Polymers
- Project Management
- Public Administration
- Science & Technology
- Statistics
- Telecommunications
- Textiles
- Toxicology
- Tribology
- Water Science

Browse Content

Subject

- ▼ All Subjects (6718)
 - ▶ Biomedical Science (504)
 - ▶ Business & Management (669)
 - ▶ Chemical Engineering (151)
 - ▶ Chemistry (743)
 - ▶ Clean Tech (146)
 - ▶ Computer Science & Engineering (260)
 - ▶ Economics (673)
 - ▼ **Engineering - Civil (336)** 1
 - Civil Engineering (42)
 - Coastal, Waterway & Ocean Engineering (42)
 - Construction Engineering (63)
 - Dams & Hydraulic Engineering (8)
 - Earthquake Engineering (15)
 - Estimating & Cost Engineering (6)
 - General (26)
 - Geotechnical Engineering (89)
 - Structural Engineering (141)
 - Transportation Engineering (31)
 - ▶ Engineering - Electrical (695)
 - ▶ Engineering - General (117)

Title

All Titles Starts with 0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

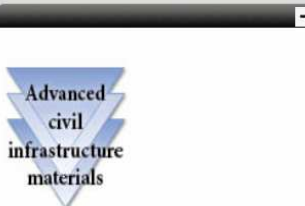
Showing: 1-20 of 336

1 2 3 4 5 6 7 8 9 10 11

- 10th Symposium Construction Innovation and Global Competitiveness
- 11th US/North American Mine Ventilation Symposium 2006
- 4D CAD and Visualization in Construction
- A New Approach to Sediment Transport in the 2 and Operation of Irrigation Canals
- Acoustic Emission and Critical Phenomena
- Acoustic Emission/Microseismic Activity
- Acoustic Fish Reconnaissance
- Advanced civil infrastructure materials
- Advanced Testing and Characterization of Bituminous Materials
- Advances in Deep Foundations
- Advances in Engineering Series
- Advances in Transportation Geotechnics
- Advances in Urban Flood Management
- Aluminium Design and Construction

1. คลิกเลือกสาขาวิชาที่ต้องการ

2. เลือกชื่อหนังสือเล่มที่ต้องการ



Recommend Title

Search

Simple Search Advanced Search

All books
 This book


Advanced civil infrastructure materials

Citation Information
 Advanced civil infrastructure materials
 Science, mechanics and applications
 Edited by Hwai Chung Wu
 CRC Press 2006
 Print ISBN: 978-0-8493-3477-1
 eBook ISBN: 978-1-4398-2375-0

Table of Contents

<input type="checkbox"/>	Access	Page	Title
<input type="checkbox"/>	Free		Front Matter
		Abstract	Hi-Res PDF (98 KB) PDF w/links (99 KB)
<input checked="" type="checkbox"/>			Chapter 1. Advanced concrete for use in civil engineering S. Mindess
		Abstract	Hi-Res PDF (196 KB) PDF w/links (197 KB)
<input checked="" type="checkbox"/>			Chapter 2. Advanced steel for use in civil engineering M. Nakashima, C. W. Roeder
		Abstract	Hi-Res PDF (738 KB) PDF w/links (312 KB)
<input checked="" type="checkbox"/>			Chapter 3. Advanced cement composites for use in civil engineering H. C. Wu
		Abstract	Hi-Res PDF (348 KB) PDF w/links (349 KB)

เลือกแสดงสารสังเขปหรือเอกสารฉบับเต็มแบบ PDF



Recommend Title

Search

Simple Search Advanced Search

All books
 This book

Search

Abstract

Advanced civil infrastructure materials

Previous Chapter | Next Chapter | 1 Add to Bookshelf | Email | Download to Citation Mgr

Table of Contents

Chapter 2. Advanced steel for use in civil engineering

M. Nakashima and C. W. Roeder

Citation Information
 Advanced civil infrastructure materials
 Science, mechanics and applications
 Edited by Hwai Chung Wu
 CRC Press 2006
 Print ISBN: 978-0-8493-3477-1
 eBook ISBN: 978-1-4398-2375-0
 DOI: 10.1201/9781439823750.ch2


2

Advanced steel for use in civil engineering

C W ROEDER, University of Washington, USA and
M NAKASHIMA, Kyoto University, Japan

1. คลิกที่ Add to Bookshelf เพื่อจัดเก็บหนังสือไว้ในชั้นหนังสือส่วนตัว หรือ คลิกที่ Email เพื่อส่งอีเมล URL ของหนังสือ หรือ คลิกที่ Download to Citation Mgr เพื่อถ่ายโอนข้อมูลบรรณานุกรม

2. พิมพ์คำค้น เพื่อสืบค้นภายในเอกสารนี้ หรือ สืบค้นจากทุกเอกสาร



Recommend Title

Search

Simple Search Advanced Search

All books
 This book

Search

Full Text PDF

Advanced civil infrastructure materials

Previous Chapter | Next Chapter | Add to Bookshelf | Email | Download to Citation Mgr

Table of Contents

Chapter 1. Advanced concrete for use in civil engineering

Citation Information
 Advanced civil infrastructure materials
 Science, mechanics and applications
 Edited by Hwai Chung Wu
 CRC Press 2006
 Print ISBN: 978-0-8493-3477-1
 eBook ISBN: 978-1-4398-2375-0
 DOI: 10.1201/9781439823750.ch1

Abstract PDF w/links (197.3 KB) Permalink

เลือกสั่งพิมพ์หรือบันทึกเอกสารฉบับเต็มของหนังสือ

1

Advanced concrete for use in civil engineering

British Columbia, Canada

1.1 Introduction

Cementitious materials are certainly the oldest manufactured materials of...

1.1 Introduction

Cementitious materials are certainly the oldest manufactured materials of floor discovered in Israel (Mannowski and Garmkei 1991; Bentur 2002). Similar lime mortars, prepared by calcining limestone, were used throughout the Middle East. Gypsum-based mortars were later used in Egypt, for example in the construction of the Pyramid of Cheops (~3000 B.C.); these were prepared by calcining impure gypsum. However, neither of these cementing materials is hydraulic; that is, they will not harden under water.

Later, the Greeks and the Romans were able to produce hydraulic lime mortars, mixed with finely ground volcanic ash. In particular, the Romans used a material called *pozzolana*, found in the vicinity of the village of Pozzuoli, near Mt Vesuvius. This material is described by Vitruvius* writing in about 27 B.C.:

There is also a kind of powder which from natural causes produces astonishing results. It is found in the neighborhood of Baiia and in the country belonging to the towns round about Mt Vesuvius. This substance, when mixed with lime and rubble, not only lends strength to buildings of other kinds, but even when piers of it are constructed in the sea, they set hard under water.

... other kinds, but even when piers of it are constructed in the sea, they set hard under water.

*Vitruvius, *The Ten Books of Architecture*, Bk II, Ch. VI (New York, Dover, 1960), pp. 46-7.

1

© Woodhead Publishing Limited, 2006

WELCOME TO CRCnetBASE

SITE ALERT: CRCnetBASE will be undergoing routine site maintenance, Friday 3PM PST - Friday 7PM PST

CRCnetBASE offers instant access to the world's premier scientific and technical references with added support for libraries. Our subject collections are designed to meet the individualized needs of any sized library or institution.

Need help getting started? Visit our Getting Started page to view helpful tutorials on how to browse, search and view our content as well as set up a personal account, purchase e-books and chapters, or manage your institutions subscription.

Looking for CHEMnetBASE?

CHEMnetBASE continues to be hosted at chemnetbase.com.

The e-books from CHEMLIBnetBASE can be found here on the new crcnetbase.com

Looking for POLYMERSnetBASE?

POLYMERSnetBASE continues to be hosted at

1. พิมพ์คำหรือวลี
2. คลิก ✓ Search Full Access Content Only เพื่อสืบค้นเฉพาะเอกสารที่
ได้สิทธิ์ในการเข้าดูเนื้อหา
3. คลิก Go เพื่อสืบค้น

Advanced Search

Search Criteria

General Search:

Full text

Book/Chapter Title

Author (by Chapter)

ISBN/DOI

Search Full Access Content Only

Publication Dates
Between: 1960 and 2012

Subjects (by Chapter)

- [Select All](#) [Clear All](#)
- | | |
|--|---|
| <input type="checkbox"/> Biomedical Science | <input type="checkbox"/> Healthcare |
| <input type="checkbox"/> Business & Management | <input type="checkbox"/> Homeland Security |
| <input type="checkbox"/> Chemical Engineering | <input type="checkbox"/> Industrial Engineering & Manufacturing |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Information Technology |
| <input type="checkbox"/> Clean Tech | <input type="checkbox"/> Life Science |
| <input type="checkbox"/> Computer Science & Engineering | <input type="checkbox"/> Material Science |
| <input type="checkbox"/> Economics | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Engineering - Civil | <input type="checkbox"/> Nanoscience & Technology |
| <input type="checkbox"/> Engineering - Electrical | <input type="checkbox"/> Occupational Health & Safety |
| <input type="checkbox"/> Engineering - General | <input type="checkbox"/> Pharmaceutical Science & Regulation |
| <input type="checkbox"/> Engineering - Mechanical | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Engineering - Mining | <input type="checkbox"/> Public Administration & Public Policy |
| <input type="checkbox"/> Environmental Science & Engineering | <input type="checkbox"/> Social Sciences |
| <input type="checkbox"/> Ergonomics & Human Factors | <input type="checkbox"/> Statistics |
| <input type="checkbox"/> Food & Nutrition | <input type="checkbox"/> Water Science & Engineering |
| <input type="checkbox"/> Forensics & Criminal Justice | |
| <input type="checkbox"/> Geoscience | |

Search Tips

Tips for Using Advanced Search

To search content to which you subscribe to, make sure you have checked the full access content only box.

Boolean Operators

Within the search fields, the Boolean Operators AND (also + or &), OR, and NOT (also -) allow you to perform searches that specify logical relationships between terms. By default, i.e. if you do not use an operator, an AND-relationship between the terms you enter is established in the full text field.

Wildcards

Wildcards allow you to construct a query with approximate search terms. Use a question mark (?) in a search term to represent any one character and use an asterisk (*) to represent zero or more characters. There are two limitations of wildcards: You cannot use a wildcard at the beginning of a search term or in a phrase enclosed in quotation marks.

Phrases

To search for documents containing an exact phrase, enclose the phrase in quotation marks. Phrase searches will not treat AND, OR, and NOT as Boolean Operators and will not strip out stop words.

Stop words

Stop words are such words as articles, pronouns, and other frequently used terms that don't normally add value to a search. These words are stripped out of a search query if they are not part of an exact phrase.

1. พิมพ์คำหรือวลีในเขตข้อมูลที่ต้องการสืบค้น
2. คลิก ✓ Search Full Access Content Only เพื่อสืบค้นเฉพาะเอกสารที่
ได้สิทธิ์ในการเข้าดูเนื้อหา
3. ระบุช่วงเวลาตีพิมพ์
4. คลิกเลือกค้นเฉพาะสาขาวิชาที่สนใจ
5. คลิก Search เพื่อสืบค้น

Advanced Search

Search Criteria [Search] [Clear]

General Search

Full text: And

Book/Chapter Title: "global warming" And

Author (by Chapter): And

ISBN/DOI:

Search Full Access Content Only

Publication Dates

Between: 1960 and 2012

Subjects (by Chapter)

[Select All](#) [Clear All](#)

Biomedical Science Healthcare

Business & Management Homeland Security

Chemical Engineering Industrial Engineering & Manufacturing

Chemistry Information Technology

Clean Tech Life Science

Search Results Sort by Relevancy Results Per Page 20

Chapters Book Titles

Showing: 1-6 of 6

View Abstracts Add to Bookshelf Email Download to Citation Mgr **2**

Select All Results

Global Warming?*
Operational Performance Measurement
Increasing Total Productivity
Abstract Hi-Res PDF (458 KB) PDF w/links (291 KB)

Chapter 17. Global Warming **1**
Corporate Environmental Management
Abstract Hi-Res PDF (483 KB) PDF w/links (483 KB)

Chapter 3. European Global Warming Policy
David Howard Davis
Handbook of Globalization and the Environment
Abstract Hi-Res PDF (253 KB) PDF w/links (254 KB)

1. เลือกเอกสารที่ต้องการ

2. เลือกจัดการเอกสารได้จาก Add to Bookshelf, Email หรือ Download to Citation Mgr

Register [1] Register [Log In]

Search Go

Search Full Access Content Only

Access Provided By: Mahidol

[Home](#) [Browse Content](#) [Advanced Search](#) [About CRCnetBASE](#) [Subject Collections](#) [How to Subscribe](#) [Librarian Resources](#) [News & Events](#) [Free Trial](#)

Register

First Name:

Last Name:

Email Address:

Email Address Confirmation:

Password:

Password Confirmation:

Send me information about updates and new products and services.

If you have been issued with a Promo Code, please enter it here:

Promo Code:

By clicking the Register button below, I agree to the [Terms and Conditions](#) of Taylor and Francis Group, LLC.

Register

Log In

Email Address:

Password:

Remember me on this computer.

[Forgot password?](#)

Log In [3]

Institutional Login

Benefits of Registration

Registered users can benefit from various additional functions:

- Save and Manage Searches
- Add chapters and book content to personal bookshelf
- Purchase single chapters

การสร้าง account เหมาะสำหรับผู้ใช้งานที่ต้องการจัดเก็บหนังสือไว้ในชั้นหนังสือส่วนตัว หรือ บันทึกคำค้น

1. คลิก Register

2. พิมพ์ข้อมูลสำหรับการลงทะเบียน

3. หรือ สำหรับผู้ใช้งานที่มี account อยู่แล้ว ให้ระบุ Email และ Password และคลิก Log In เพื่อเข้าใช้งาน

Browse your favorite chapters below. You may sort your favorites by:

Chapter title Book title Date of publication

Favorite Chapters

[Email](#) | [View Abstracts](#) | [Download to Citation Mgr](#)

To select/unselect all items click here

Access Indicator: Free=Free Full=Full No Access

- Chapter 3. Advanced cement composites for use in civil engineering**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 1. Advanced concrete for use in civil engineering**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 6. Advanced engineered wood composites for use in civil engineering**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 4. Advanced fiber-reinforced polymer (FRP) structural composites for use in civil engineering**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 2. Advanced steel for use in civil engineering**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 5. Rehabilitation of civil structures using advanced polymer composites**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)
- Chapter 7. Sustainable materials for the built environment**
Advanced civil infrastructure materials
[Abstract](#) | [Remove](#)

