




Springer

SpringerLink


Training guide for the new SpringerLink


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 Springer Link

Sign up / Log in ▾ English ▾ Academic ▾





Search

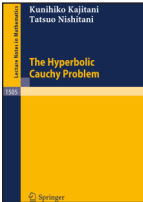

Home ▸ Contact Us

Browse by discipline

- » Biomedical Sciences
- » Business & Management
- » Chemistry
- » Computer Science
- » Earth Sciences and Geography
- » Economics
- » Education & language
- » Energy
- » Engineering
- » Environmental Sciences
- » Food Science & Nutrition
- » Law
- » Life Sciences
- » Materials
- » Mathematics
- » Medicine
- » Physics
- » Psychology
- » Public Health
- » Social Sciences
- » Statistics

Browse

Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference work.



Content

New books and journals are available every day.

Recent Activity

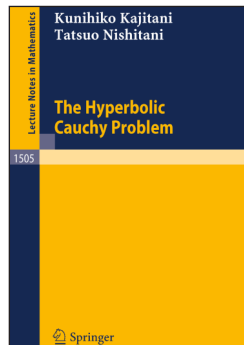
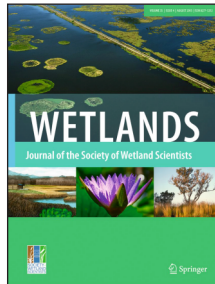
What's being read within your organisation

OriginalPaper	10 mins ago
Open access	
WIRTSCHAFTSINFORMATIK, December 2007	
Chapter	10 mins ago
Pneumologie	
Innere Medizin... in 5 Tagen, 2009	
BookMatter	30 mins ago
Der erfolgreiche Jobwechsel 2011	

Homepage

Divided into 3 parts:

- **Search** functionality
- **Browse** functionality
- **Content** offered according to your profile



New books and journals
are available every day.

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10 mins ago

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WIRTSCHAFTSINFORMATIK, December 2007

Chapter

10 mins ago

Pneumologie

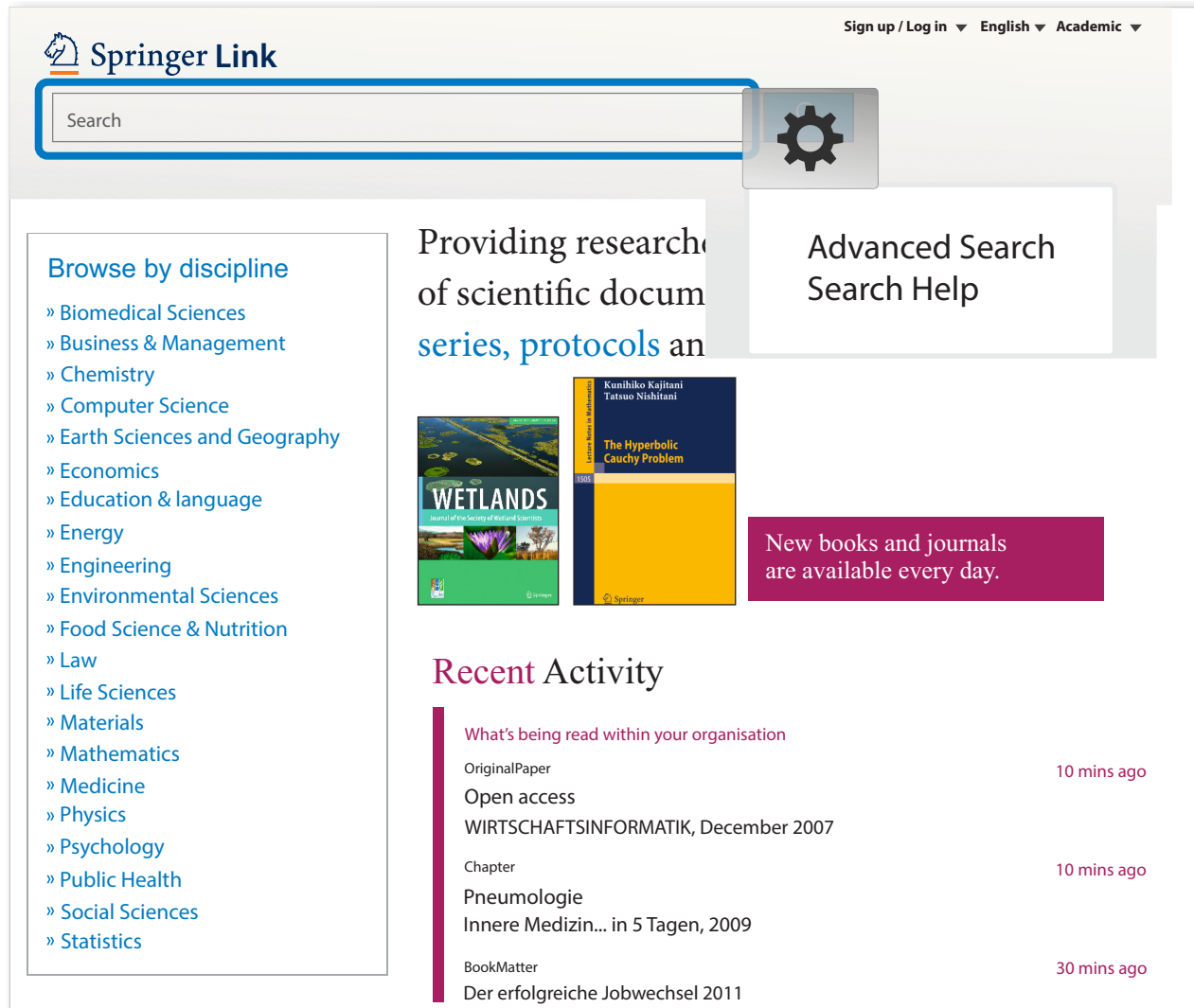
Innere Medizin... in 5 Tagen, 2009

BookMatter

30 mins ago

Der erfolgreiche Jobwechsel 2011

In this area you get the **most recent downloads**
within you organization listed.



The screenshot shows the Springer Link homepage. At the top, there's a navigation bar with the Springer Link logo, a search bar, and links for 'Sign up / Log in', 'English', and 'Academic'. Below the search bar is a 'Browse by discipline' section with a list of fields: Biomedical Sciences, Business & Management, Chemistry, Computer Science, Earth Sciences and Geography, Economics, Education & language, Energy, Engineering, Environmental Sciences, Food Science & Nutrition, Law, Life Sciences, Materials, Mathematics, Medicine, Physics, Psychology, Public Health, Social Sciences, and Statistics. To the right of the search bar is a 'Settings' gear icon. Below the search bar, there's a section titled 'Providing research of scientific documents, series, protocols and...' with a link to 'Advanced Search' and 'Search Help'. Below this, there are two book covers: 'WETLANDS' and 'The Hyperbolic Cauchy Problem'. To the right of the book covers is a purple box with the text 'New books and journals are available every day.' Below the book covers is a 'Recent Activity' section with a list of items: 'What's being read within your organisation', 'OriginalPaper', 'Open access', 'WIRTSCHAFTSINFORMATIK, December 2007', 'Chapter', 'Pneumologie', 'Innere Medizin... in 5 Tagen, 2009', 'BookMatter', and 'Der erfolgreiche Jobwechsel 2011'. Each item has a timestamp: '10 mins ago' for the first three, '10 mins ago' for the next two, and '30 mins ago' for the last two.

Springer Link

Sign up / Log in ▾ English ▾ Academic ▾

Search

Settings

Browse by discipline

- » Biomedical Sciences
- » Business & Management
- » Chemistry
- » Computer Science
- » Earth Sciences and Geography
- » Economics
- » Education & language
- » Energy
- » Engineering
- » Environmental Sciences
- » Food Science & Nutrition
- » Law
- » Life Sciences
- » Materials
- » Mathematics
- » Medicine
- » Physics
- » Psychology
- » Public Health
- » Social Sciences
- » Statistics

Providing research of scientific documents, series, protocols and...

Advanced Search
Search Help

New books and journals
are available every day.

Recent Activity


What's being read within your organisation	
OriginalPaper	10 mins ago
Open access	
WIRTSCHAFTSINFORMATIK, December 2007	
Chapter	10 mins ago
Pneumologie	
Innere Medizin... in 5 Tagen, 2009	
BookMatter	30 mins ago
Der erfolgreiche Jobwechsel 2011	

Search



Most users access our content through the **search** functionality.


Therefore the search is the biggest and most prominent element on the page.

Advanced search and help functionality can be accessed by clicking the 'settings wheel'

 Springer Link

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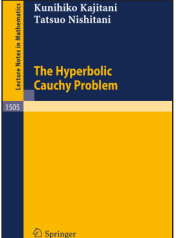


[Home](#) ▸ [Contact Us](#)

Browse by discipline

- » Biomedical Sciences
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- » Economics
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- » Engineering
- » Environmental Sciences
- » Food Science & Nutrition
- » Law
- » Life Sciences
- » Materials
- » Mathematics
- » Medicine
- » Physics
- » Psychology
- » Public Health
- » Social Sciences
- » Statistics

Providing researchers with access to millions of scientific documents from **journals, books, series, protocols** and **reference work**.

New books and journals are available every day.

Recent Activity

What's being read within your organisation	
OriginalPaper	10 mins ago
Open access	
WIRTSCHAFTSINFORMATIK, December 2007	
Chapter	10 mins ago
Pneumologie	
Innere Medizin... in 5 Tagen, 2009	
BookMatter	30 mins ago
Der erfolgreiche Jobwechsel 2011	

Browse

You can also access our content through browsing. If you click on the topic of your choice you will end up on the search results page, showing all entries for this **scientific discipline**.

Sub disciplines can be chosen on the search results page as filter.

- » Physics
- » Psychology
- » Public Health
- » Social Sciences
- » Statistics

Browse 5,769,405 resources

Articles	4,316,203
Chapters	1,158,467
Reference Work Entries	266,078
Protocols	28,657

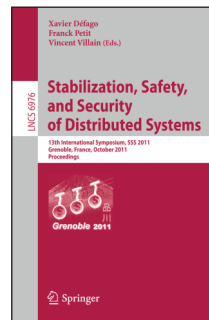
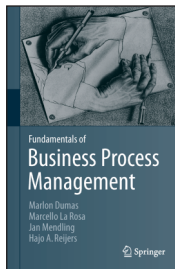
Browse by type of content (1)

Below the sector of industry navigation you find a list of **smallest content types**:

- (Journal) Articles
- (Book) Chapters
- References Work Entries
- Protocols

If you click into “Articles” you will end up on a search result list of all articles. You will find more filter options there.

Providing researchers with access to millions of scientific documents from **journals, books, series, protocols** and **reference work**.



New books and journals
are available every day.


Browse by type of content (2)

On top of the content area you find an introduction text with bigger content units listed.



- Journals
- Books
- Series
- Protocols
- Reference works



If you click into "Journals" you will end up on a **search result list** of all journals. You will find more **filter options** there.


Search Result Page

 Springer Link

Sign up / Log in ▾ English ▾ Academic ▾

Search  

 Include Preview-only content ☒

Refine Your Search

Content Type

Article	1,259
Chapter	925
Reference Work Entry	50
Protocol	3

Discipline

Life Sciences	414
Engineering	409
Chemistry	363
Environmental Sciences	332
Earth Sciences and Geography	268

Subdiscipline

Ecology	230
Plant Sciences	163
Engineering, general	121
Material, general	119
Energy Technology	108

Published In

see all

2,237 Result(s) for 'methods of tapping solar energy'

Sort By

Relevance ▾

Date Published

Page 1 of 112

Article

Electrochemical ways of tapping solar energy: an appraisal

In recent years, solar cell technology has advanced significantly and is nearing commercial viability. Practical solar cells that are capable of converting the solar radiation directly into electricity are now...

A K Shukla, R Manoharan, K V Ramesh in *Bulletin of Materials Science* (1983)

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Article

The potential for increasing rubber production by matching tapping intensity to leaf area index

Understanding resource capture can help design appropriate species combination, planting designs and management. leaf area index (LAI) and its longevity are the most important factors defining dry matter prod...

Ciro Abbud Righi, Marcos Silveira Bernardes in *Agroforestry Systems* (2008)

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Reference Work Entry

Demise of the Dogmatic Universe

Professor Ari Ben-Menahem in *Historical Encyclopedia of Natural and Mathematical Sciences* (2009)

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Article


Subject index

Search Results

To the right you get your search results listed.

By default you get **all results** displayed, i.e. content you have licensed and **preview-only** content.

Search Result Page

 Include Preview-only content ☐


Refine Your Search

Content Type	
Article	1,259
Chapter	925
Reference Work Entry	50
Protocol	3

Discipline	see all
Life Sciences	414
Engineering	409
Chemistry	363

2,102 Result(s) for 'methods of tapping solar energy'

Sort By Relevance Date Published Page 1 of 106

 Your Search also matched **135** preview-only results, e.g.
[Energy distribution and biological productivity in Korean pine plantation](#)
[» Include preview only content](#)

Article

Electrochemical ways of tapping solar energy: an appraisal

In recent years, Solar cell technology has advanced significantly and is nearing commercial viability. Practical solar cells that are capable of converting the solar radiation directly into electricity are now...

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Only see licensed content

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Then only search results you have full-text access to will be listed.

 Include Preview - only content

Refine Your Search

Content Type

Article	1,259
Chapter	925
Reference Work Entry	50
Protocol	3

Discipline

see all

Life Sciences	414
Engineering	409
Chemistry	363
Environmental Sciences	332
Earth Sciences and Geography	268

Discipline

see all

Ecology	230
---------	-----

2,237 Result(s) for 'methods of tapping solar energy'

Sort By

Relevance

Date Published

Page 2 of 112

 Article

A Fast Model for the Reconstruction of Spectral Solar Irradiance in the Near-and Mid-Ultraviolet

We present a model for the reconstruction of spectral solar irradiance between 200 and 400nm. This model is an extension of the total solar irradiance (TSI) model of Crouch et al. (Astrophys. J)

C Bolduc, P. Charbonneau, V. Dumoulin, M.S. Bourqui, A. D. Crouch in *Solar Physics* (2012)

[» Look Inside](#) [» Get Access](#)

 Article

Emerging technologies to power next generation mobile electronic devices using solar energy

Mobile electronic devices such as MP3, mobile phones, and wearable or implanted medical devices have already or will soon become a necessity in peoples live. However, the further development of these devices...

Dewei Jia Yubo Duan, Jing Lui in *Frontiers of Energy and power Engineering in China* (2009)

[» Look Inside](#) [» Get Access](#)

Preview-only content

Preview-only results are displayed with the color **yellow** in the background (1).

If you only want to see only results you have access to, uncheck the yellow box above the search filters (2).

9

- Chapter (1)
(2) **Solar Energy**
This paper is subdivided into three main paragraphs: basic principles of **solar** radiation, main applications, and (3)
a case... first paragraph will introduce the basic principles of **solar energy**, highlighting the ad...
(4) Roberto Barile in *Sustainable Development and Environmental Management* (2008) (5)
» [Download PDF](#) (1005 KB) (6)

Chapter

Solar Energy

Enthusiasts for **solar** power need to be reminded that through... Sun is already our primary source of renewable **energy**. Or to put it another way **solar** photons convert naturally into chemical fuel and... 1... Photo...

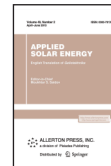
Claudio Vita-Finzi in *The Sun* (2008)

» [Download PDF](#) (602 KB) » [View Chapter](#)

Journal

Applied Solar Energy

Volume 43 / 2007 - Volume 48 / 2012

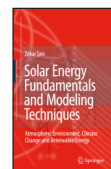


Book

Solar Energy Fundamentals and Modeling Techniques

Atmosphere, Environment, Climate Change and Renewable Energy

Zekai Sen (2008)



Structure of list items within a search result page

- Type of content (1)
- Title of list item (2)
- Description (3)
- Author of list item (4)
- Published in which product (5)
- Download (full-text) PDF (6)

Chapter (1)

Solar Energy

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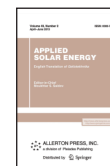
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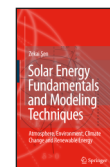


Book

Solar Energy Fundamentals and Modeling Techniques

Atmosphere, Environment, Climate Change and Renewable Energy

Zekai Sen (2008)



Type of content

The following types of content may be listed in a search result (1):

Bigger Units

- Series (of books)
- Book (of chapters or protocols)
- Journal (of articles)
- Reference Work (of reference work entries)

Smallest Units

- Chapter
- Protocol
- Article
- Reference Work Entry

Search


Include Preview - only content ☒

Refine Your Search

Content Type

Article	1,259
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Discipline

 see all

Life Sciences	414
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Discipline

 see all

Ecology	230
Plant Sciences	163
Engineering, general	121
Material, general	119
Energy Technology	108

Published In

 see all

2,237 Result(s) for 'methods of tapping solar energy'

Sort By Relevance ▾

▶ Date Published

◀ Page 1 of 112 ▶

Article

Electrochemical ways of tapping solar energy: an appraisal

In recent years, solar cell technology has advanced significantly and is nearing commercial viability. Practical solar cells that are capable of converting the solar radiation directly into electricity are now...

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Article

The potential for increasing rubber production by matching tapping intensity to leaf area index

Understanding resource capture can help design appropriate species combination, planting designs and management. Leaf area index (LAI) and its longevity are the most important factors defining dry matter prod...

Ciro Abbud Righi, Marcos Silveira Bernardes in *Agroforestry Systems* (2008)

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Reference Work Entry

Demise of the Dogmatic Universe

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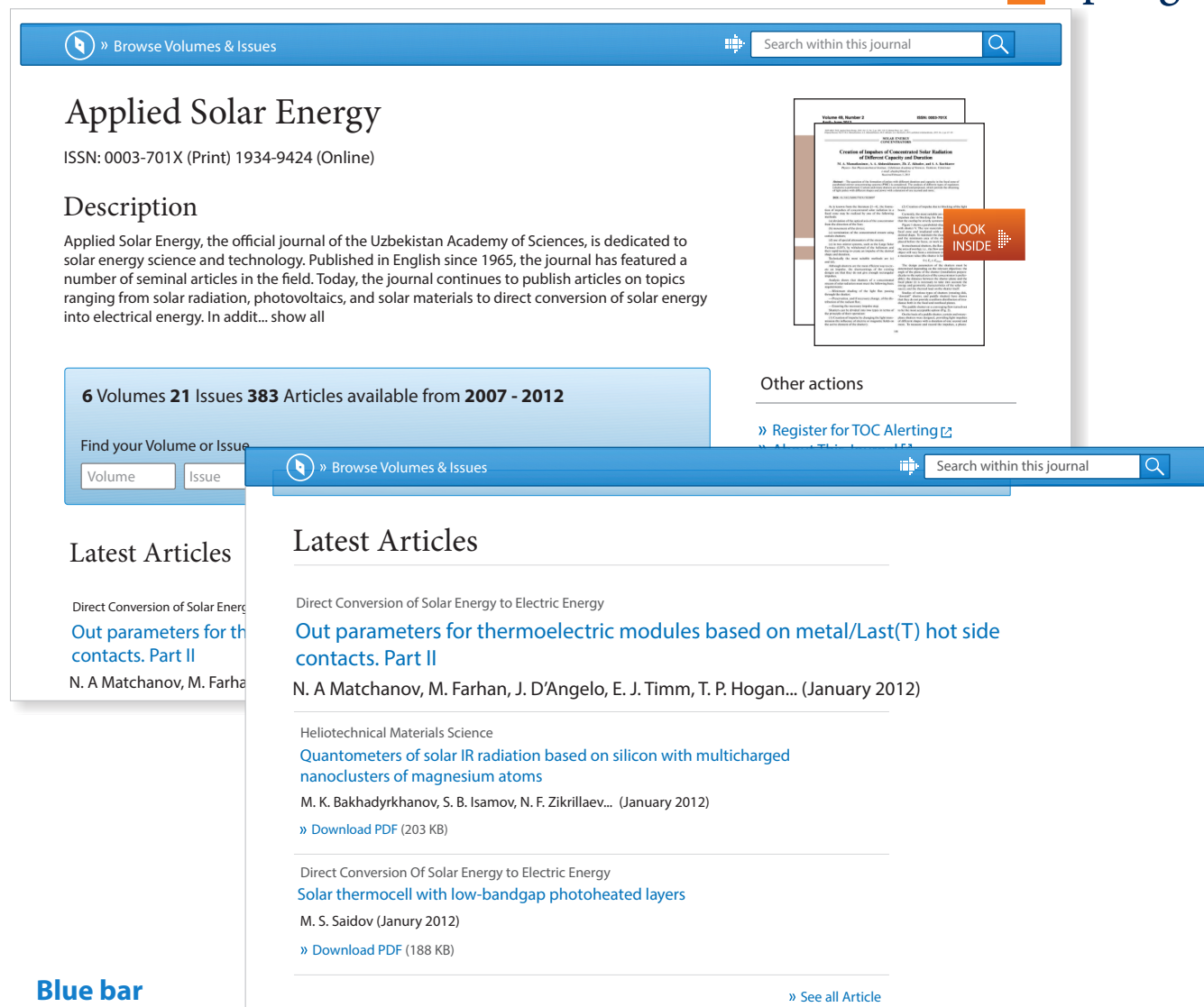
Subject index

Filter Options

To the left you will find **predefined filter options** that help you to optimize your search result.

The following filter options are available:

- Content type
- Discipline
- Sub discipline
- Published in
- Language



The screenshot displays the journal's product page. At the top, a blue navigation bar contains a home icon, the text '» Browse Volumes & Issues', a search icon, and a search box labeled 'Search within this journal'. Below the bar, the journal title 'Applied Solar Energy' is prominently displayed, followed by its ISSN: 0003-701X (Print) 1934-9424 (Online). A 'Description' section explains that the journal is the official publication of the Uzbekistan Academy of Sciences, covering solar energy science and technology. To the right, a thumbnail of a journal cover is shown with a 'LOOK INSIDE' button. Below the description, a light blue box states '6 Volumes 21 Issues 383 Articles available from 2007 - 2012'. Further down, there are search boxes for 'Volume' and 'Issue'. The 'Latest Articles' section lists recent publications, including 'Out parameters for thermoelectric modules based on metal/Last(T) hot side contacts. Part II' by N. A. Matchanov et al. (January 2012) and 'Quantometers of solar IR radiation based on silicon with multicharged nanoclusters of magnesium atoms' by M. K. Bakhadyrkhanov et al. (January 2012). Each article entry includes a 'Download PDF' link with the file size. A '» See all Article' link is located at the bottom right of the article list.

Blue bar

On top of every product page there is a blue bar which will **always be visible** even if you scroll down.

The functionality offered in this bar differs from page type to page type.

ISSN 1574-7741
VOLUME 8 NUMBER 3
JUNE 2010

J Trans Secur (2010) 3:179–195
DOI 10.1007/s12198-010-0046-z

Assessing security measures reducing terrorist risk: inverse ex post cost-benefit and cost-effectiveness analyses of Norwegian airports and seaports

Juned Akhtar · Torkel Bjørnskau · Knut Veisten

Received: 25 May 2010 / Accepted: 4 June 2010 / Published online: 27 June 2010
© Springer Science+Business Media, LLC 2010

Abstract When the risks of unwanted events and the impacts of countermeasures are well-known, an economic assessment would compare the costs of the measures with the benefits of reduced risk. For evaluating countermeasures against terrorist attacks this is, however, not straight-forward. Both the baseline risk of terrorist attacks and the possible risk-reducing impacts of the security measures adopted are largely unknown. A possible approach to the economic assessment in such cases is to adopt inverse *ex post* economic analyses. Inverse *ex post* analysis in our case will be an assessment of already implemented security measures at Norwegian airports/seaports, trying to inversely estimate implicit benefits for estimated terror risks and risk changes due to the implemented measures. Such implicit benefits might be measured as implicit costs of lives saved or, more generally, as an implicit value of what is paid in seaports. Our analysis indicates that for justifying the cost of security measures, it implies huge cost per life saved and a great deal of what the measure protect. A low estimated baseline risk and to a large degree these findings. Nevertheless, even if false societal cost of terrorist attacks, there are other potential costs so that to a large degree have been disregarded in our analysis. It seems could be included, the would justify a higher level of cost, necessarily the levels that our estimates indicate.

Keywords Airport security · Simulations · Seaport security · Terrorism

Introduction

The vast increase in public (and private) expenditures on security measures over the later years must be understood as an intended response to the new risks imposed by

J. Akhtar (✉) · T. Bjørnskau · K. Veisten
Institute of Transport Economics (TØI), Gunnarshovd, 31, 1304 Oslo, Norway
e-mail: j.akhtar@toi.no

LOOK
INSIDE

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J Trans Secur (2010) 3:179–195
DOI 10.1007/s12198-010-0046-z

Assessing security measures reducing terrorist risk: inverse ex post cost-benefit and cost-effectiveness analyses of Norwegian airports and seaports

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Look Inside

On every product page there is the option to browse the product with the so-called Look Inside function.

Recognized users can browse through the complete document.

Anonymous users will see the first 2 pages of the document.

(2)

(1)

» Browse Volumes & Issues



Search within this journal



Applied Solar Energy (3)

ISSN: 0003-701X (Print) 1934-9424 (Online) (4)

Description

(5)

Applied Solar Energy, the official journal of the Uzbekistan Academy of Sciences, is dedicated to solar energy science and technology. Published in English since 1965, the journal has featured a number of seminal articles in the field. Today, the journal continues to publish articles on topics ranging from solar radiation, photovoltaics, and solar materials to direct conversion of solar energy into electrical energy. In addit... show all

6 Volumes 21 Issues 383 Articles available from 2007 - 2012

Find your Volume or Issue

Volume

Issue



(6)

All Volumes & Issues

Latest Articles

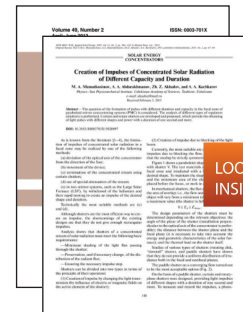
Direct Conversion of Solar Energy to Electric Energy

(7)

[Out parameters for thermoelectric modules based on metal/last\(T\) hot side contacts. Part II](#)

N. A Matchanov, M. Farhan, J. D'Angelo, E. J. Timm, T. P. Hogan... (January 2012)

(8)



LOOK
INSIDE


(9)

Other actions

» [Register for TOC Alerting](#) » [About This Journal](#)

Functionality Overview

- Browse Volumes & Issues (1)
- Search within this journal (2)
- Journal Title (3)
- Journal ISSN (4)
- Journal description (5)
- Volumes & Issues Navigation (6)
- List of latest articles (7)
- Journal Cover (8)
- Look Inside (9)

 » Browse Volumes & Issues

 Search within this journal 

Applied Solar Energy

ISSN: 0003-701X (Print) 1934-9424 (Online)

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Find your Volume or Issue

Volume

Issue



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Latest Articles

Direct Conversion of Solar Energy to Electric Energy

[Out parameters for thermoelectric modules based on metal/last\(T\) hot side contacts. Part II](#)

N. A Matchanov, M. Farhan, J. D'Angelo, E. J. Timm, T. P. Hogan... (January 2012)





Other actions


» [Register for TOC Alerting](#) 
» [About This Journal](#) 

Search within this journal content

To find relevant journal articles you may enter a search term to start a search within the content of a journal.

The results will be displayed in a search result list. You leave the environment of the journal product page.



 Include Preview-only content ☒

Refine Your Search

Content Type
Article 106

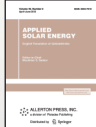
Discipline
Engineering 84


Subdiscipline
Energy Technology 84

Published In
Applied Solar Energy 106


Language
English 106



106 Result(s) for 'cell'



You are now only searching within the Journal
Applied Solar Energy
STOP searching within this Journal 

Sort By Relevance

 Date Published

Page 1 of 6  

Article

Impurity thermovoltaic effect in the grain boundaries of a polycrystalline silicon solar cell

The experimental data on the implementation of the impurity themovoltaic effect arising at polycrystalline silicon grain boundaries are presented. the temperature curve of the dark Short-circuit current in a pol...

M. S. Saidov, B. M. Abdurakhmanov, L. O. Olimov in Applied Solar Energy (2007)

[» Download PDF \(171KB\)](#)

Article

Search result page of a keyword search within a journal

On top of the search result list you get the search term listed and the journal name.

17

(3)



» Browse Volumes & Issues



Search within this journal



Applied Solar Energy

ISSN: 0003-701X (Print) 1934-9424 (Online)

Description

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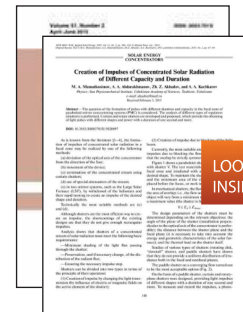
Find your Volume or Issue

Volume

Issue



All Volumes & Issues



LOOK
INSIDE

Other actions

» Register for TOC Alerting

» About This Journal

(1)

(2)

Latest Articles

Direct Conversion of Solar Energy to Electric Energy

[Out parameters for thermoelectric modules based on metal/last\(T\) hot side contacts. Part II](#)

N. A Matchanov, M. Farhan, J. D'Angelo, E. J. Timm, T. P. Hogan... (January 2012)

Volumes & Issues Nav

On the journal homepage below the journal description you find a blue box that allows you to navigate to individual volumes and issues (1).

If you like to have an overview on all volumes and issues press the "All Volumes and Issues" button within that blue box (2).

You can also use the link "Browse Volumes & Issues" within the blue bar on top of the page (3).

Journal of Cancer Education

All Volumes & Issues

Volume 22 / 2007 - Volume 26 / 2011

Online First Articles

Articles awaiting print Publication

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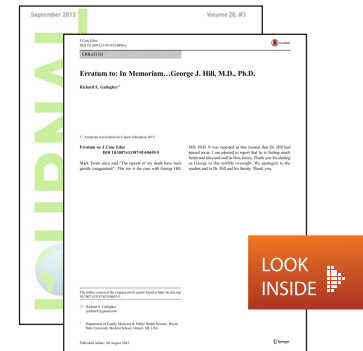
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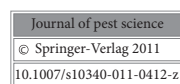
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James J. Stapleton[✉]

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✉ James J. Stapleton
Email: jim@uckac.edu

Received: 21 July 2011 Accepted: 19 December 2011 Published online: 3 January 2012

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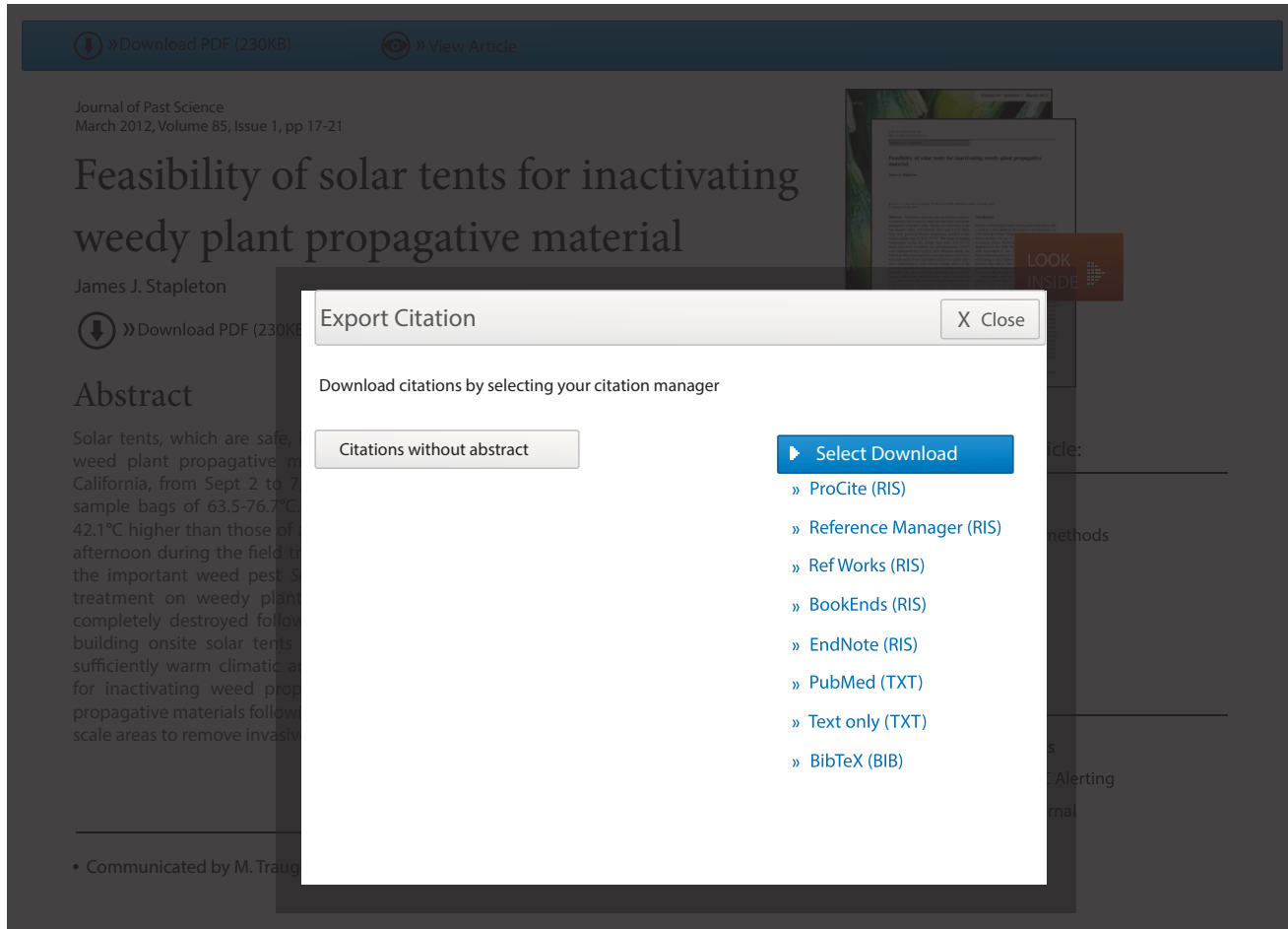
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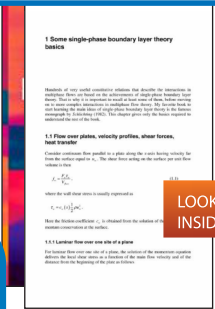
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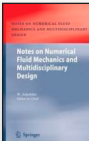
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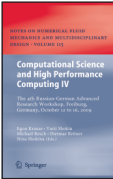


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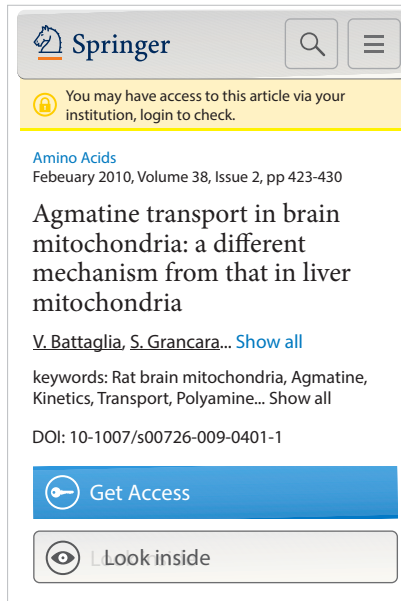
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Abstract

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