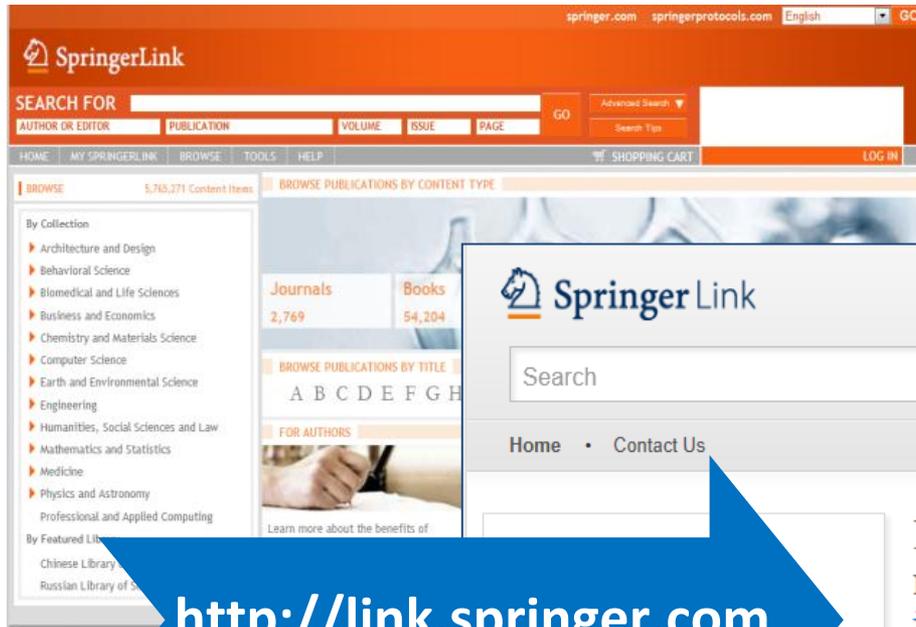




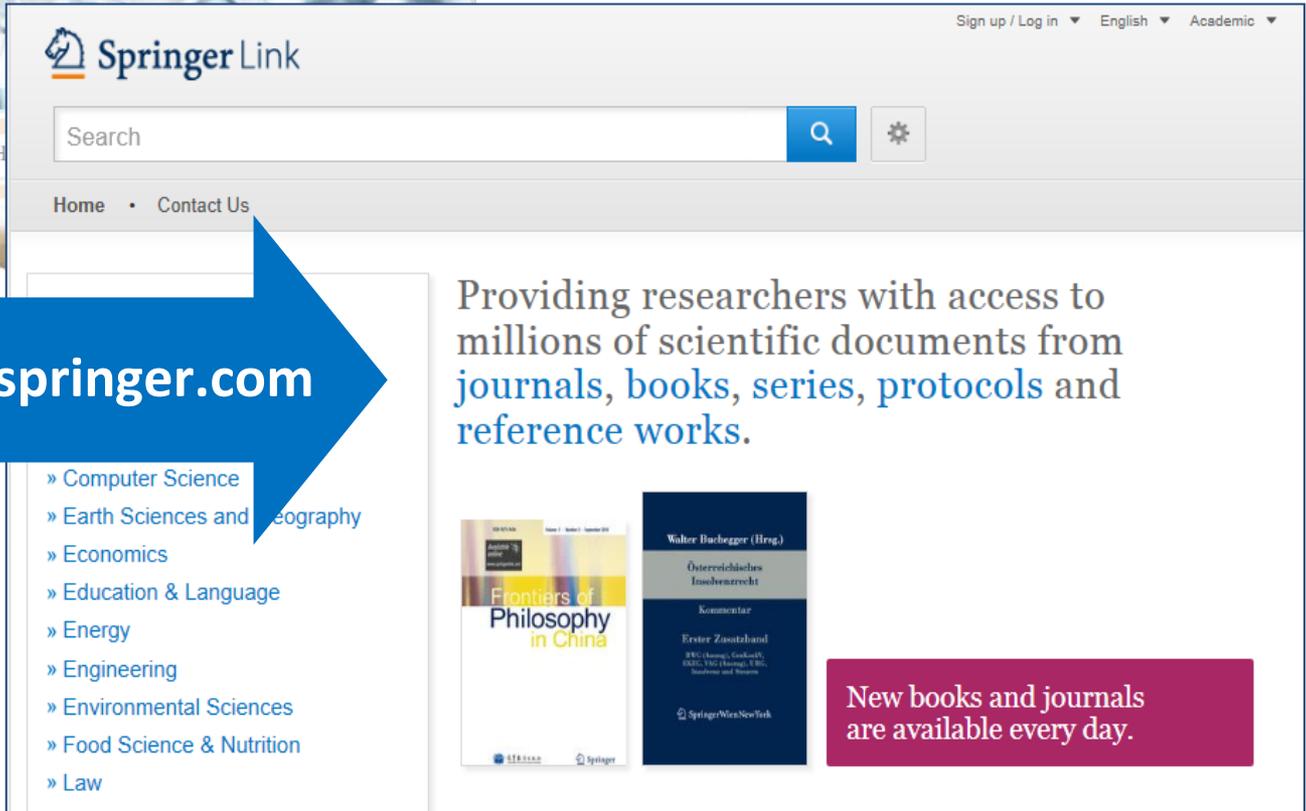
SpringerLink Manual

Springer Korea Limited

SpringerLink



<http://link.springer.com>



SpringerLink interface showing a search bar, navigation links (Home, Contact Us), and a list of disciplines:

- » Computer Science
- » Earth Sciences and Geography
- » Economics
- » Education & Language
- » Energy
- » Engineering
- » Environmental Sciences
- » Food Science & Nutrition
- » Law

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

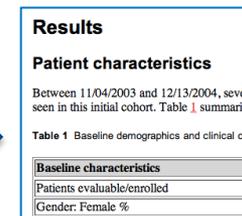
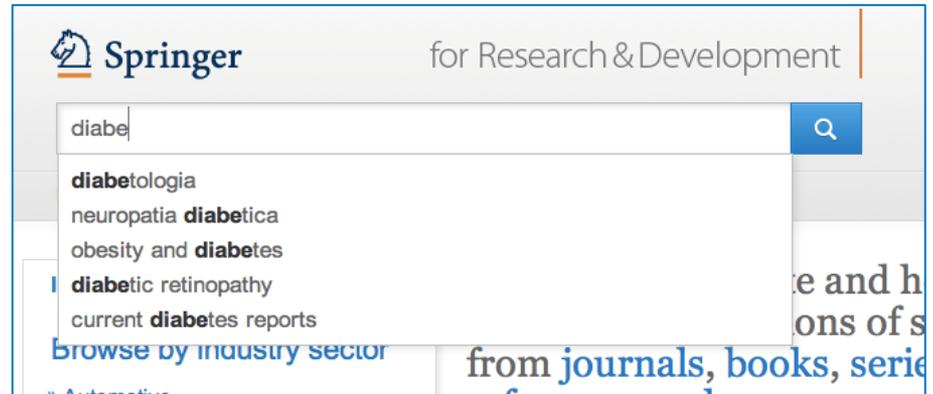
Frontiers of Philosophy in China

Walter Buchegger (Hrsg.)
Österreichisches Insolvenzrecht
Kommentar
Erster Zusatzband
Hrsg. von: Grottel, Grottel, Grottel, Grottel, Grottel, Grottel
SpringerWiesbaden

New books and journals are available every day.

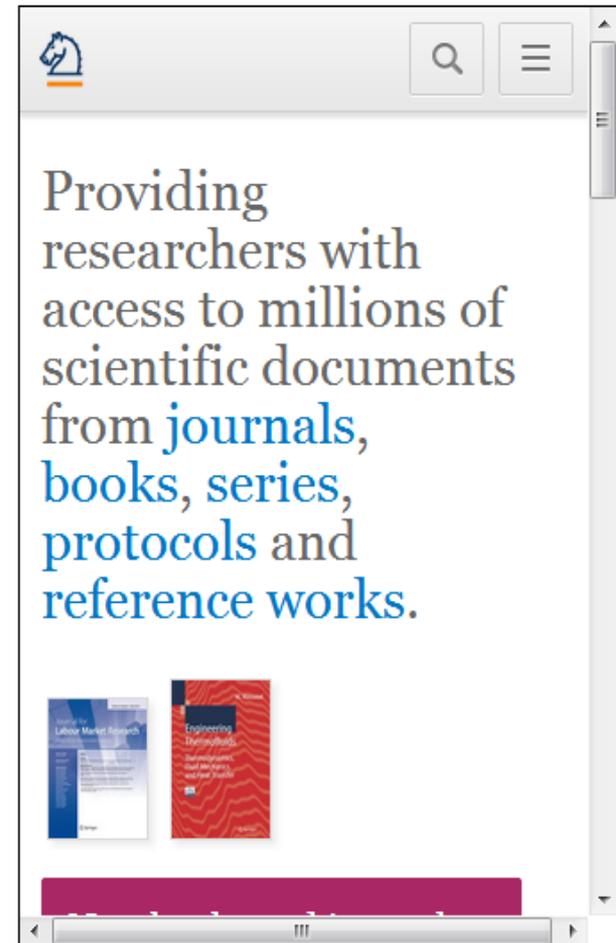
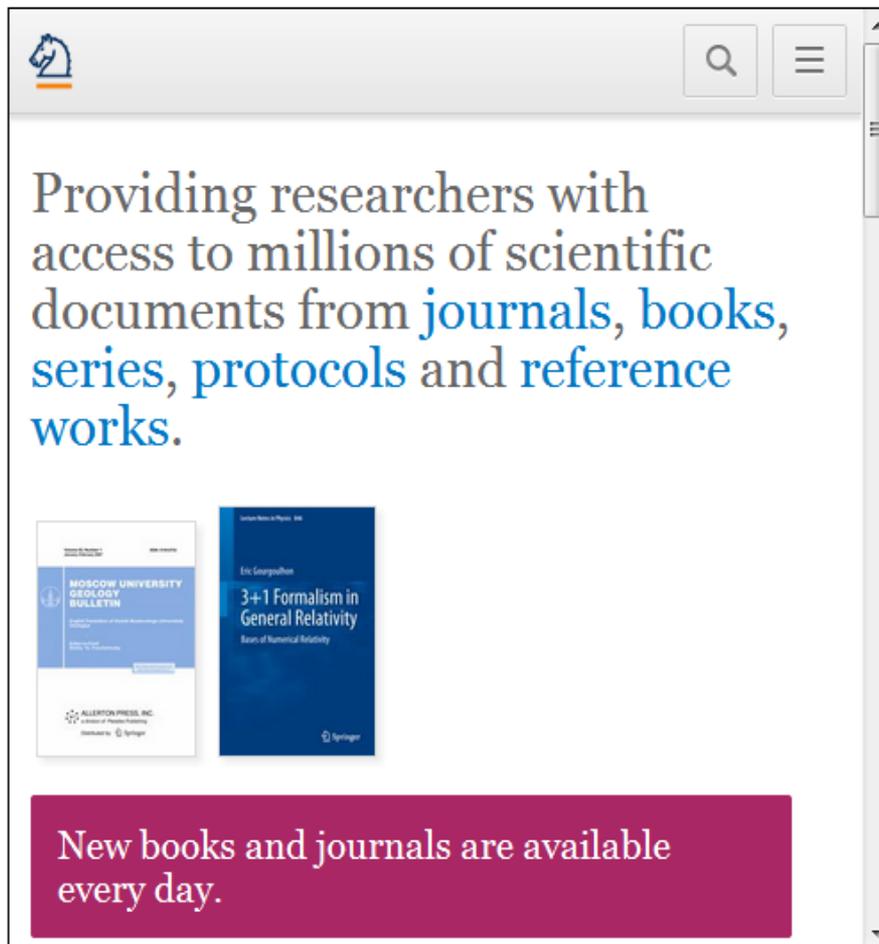
새로운 SpringerLink의 특징

- 2배 빨라진 다운로드 속도
- 이전 12개 주제구분 → 24개 상세 주제구분으로 확대
- 검색결과 정렬 기능 강화
- 자동 검색어 추천 기능 제공: Google Logic 이용
- 이용가능 콘텐츠만 검색 되도록 검색결과 제한 가능
- 각 섹션 별 HTML 제공: 필요한 콘텐츠 접근성 상승



새로운 SpringerLink의 특징

향상된 디자인 : PC, 태블릿 PC, 핸드폰 기기에 따라 최적화된 화면 제공



홈페이지 구성

Springer Link

Sign up / Log in English Academic

Search

검색창

Home • Contact Us

1. 검색창
2. 브라우징 영역
3. 콘텐츠 영역

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

브라우징

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

콘텐츠

New books and journals are available every day.

Recent Activity

What's being read within your organisation

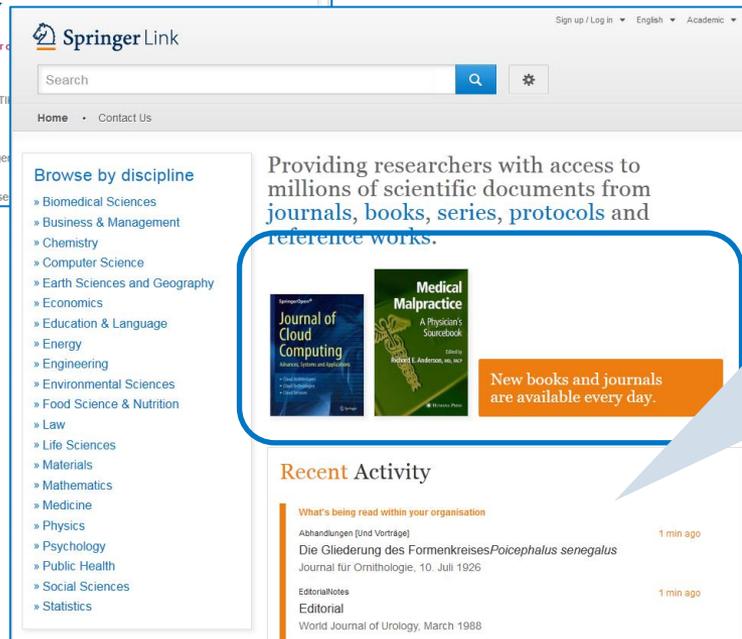
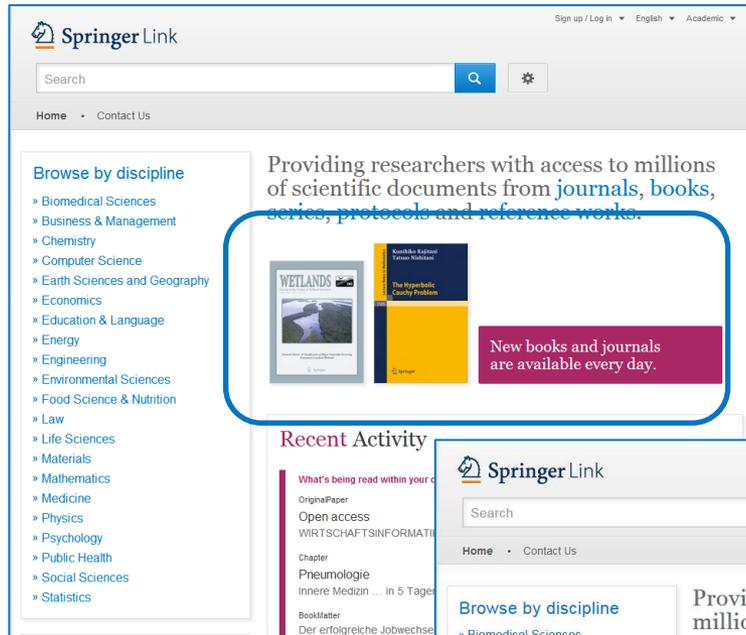
OriginalPaper	10 mins ago
Open access	WIRTSCHAFTSINFORMATIK, December 2007
Chapter	10 mins ago
Pneumologie	Innere Medizin ... in 5 Tagen, 2009
BookMatter	30 mins ago
Der erfolgreiche Jobwechsel, 2011	

콘텐츠 영역

중앙에 위치한 박스 색을 통해 이용자 권한 인식여부 파악 가능

자주색 – 권한 인식된 기관 이용자

오렌지색 – 권한 인식 되지 않은 이용자



Recent Activity

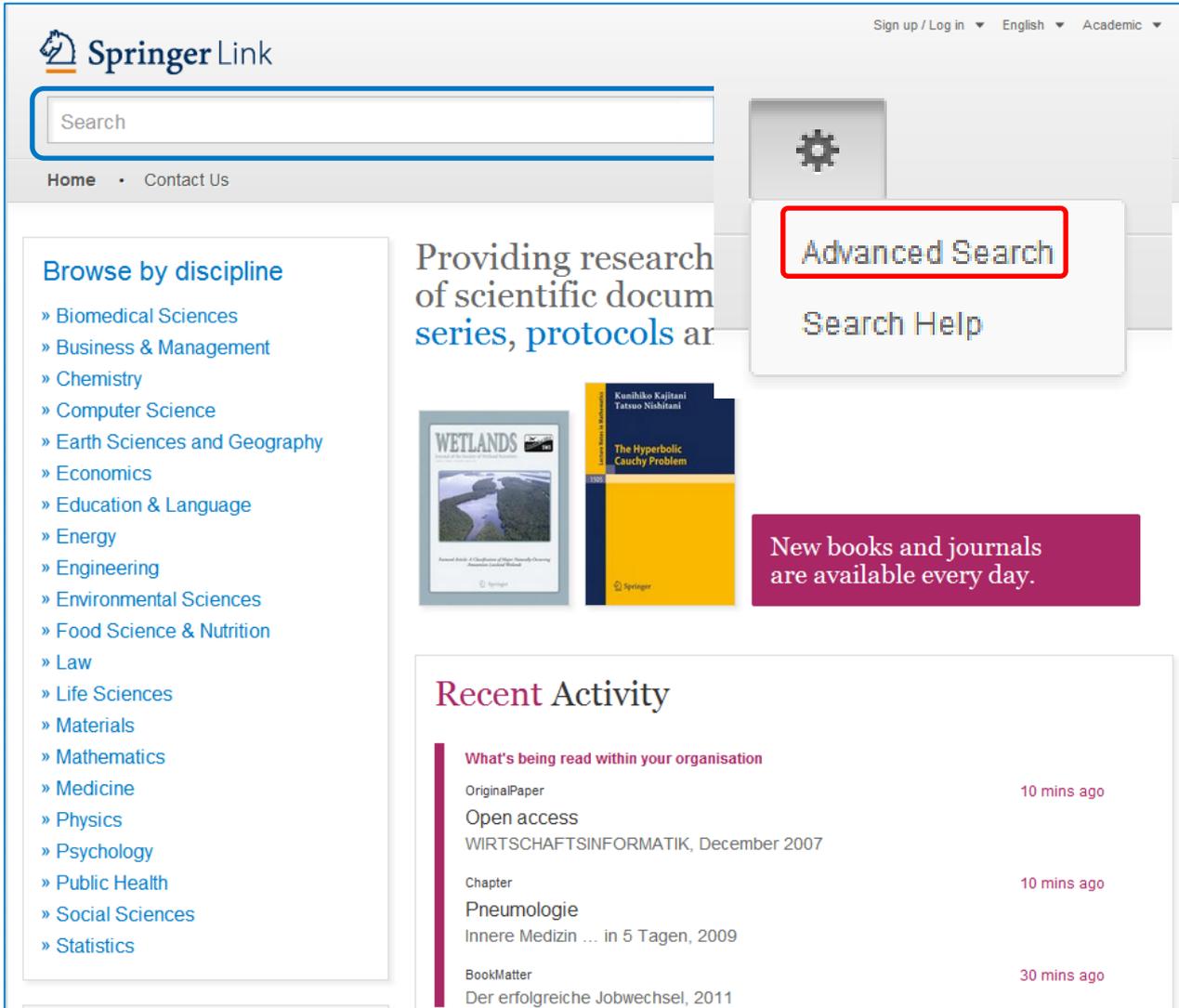
• 기관 이용자

기관 내 다운로드 자료 중 가장 최근 자료 리스트 제공

• 권한 미 인식된 이용자

전체 다운로드 자료 중 가장 최근 자료 리스트 제공

검색



The screenshot shows the Springer Link website. At the top right, there are links for 'Sign up / Log in', 'English', and 'Academic'. The main header features the Springer Link logo and a search bar with the placeholder text 'Search'. Below the search bar, there are links for 'Home' and 'Contact Us'. A gear icon for settings is visible, with a red box highlighting the 'Advanced Search' option in a dropdown menu, and 'Search Help' is also visible below it. On the left side, there is a 'Browse by discipline' section with a list of categories: 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. In the center, there is a promotional banner for 'Providing research of scientific documents, series, protocols and...' with images of book covers for 'WETLANDS' and 'The Hyperbolic Cauchy Problem'. Below this is a purple box with the text 'New books and journals are available every day.' At the bottom, there is a 'Recent Activity' section with a list of items: 'OriginalPaper' (10 mins ago), 'Open access' (WIRTSCHAFTSINFORMATIK, December 2007), 'Chapter' (10 mins ago), 'Pneumologie' (Innere Medizin ... in 5 Tagen, 2009), and 'BookMatter' (Der erfolgreiche Jobwechsel, 2011) (30 mins ago).

- 기본 검색

검색 창

- 고급 검색 & 검색 팁

검색 창 옆 톱니바퀴 모양 클릭 후
Advanced Search를
통해 고급 검색 이용

검색

Advanced Search

Find Resources

with all of the words

with the exact phrase

with at least one of the words

without the words

where the title contains

e.g., "Cassini at Saturn" or Saturn

where the author / editor is

e.g., "H.G. Kennedy" or Elvis Morrison

Show documents published

between and

Include preview-only content

고급 검색

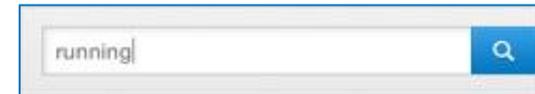
- 키워드 검색
- 특정 구 검색
- 필수어 및 제외어 설정
- 타이틀 포함어 제한하여 검색
- 저자 / 편자 검색
- 출판 년도 검색
- Preview-only 콘텐츠 포함 설정

검색 팁

- 언어 및 스테밍

선택된 인터페이스 언어를 기반으로, 검색 키워드의 스테밍 언어 포함 결과

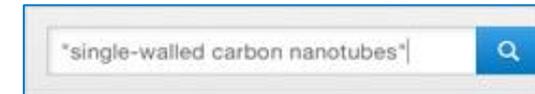
예를 들어, 언어가 영어로 설정되어 있고, “running” 을 검색할 경우, 결과에 “runner” , “run” , “ran” 이 포함되어 제공



- Phrase match

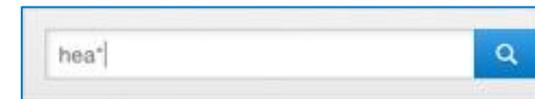
복합 키워드인 경우, 큰 따옴표 기호 (“ ”)로 묶어 입력 시 해당 구로 제한된 결과

또는 동일한 순서로 스테밍 결과 제공



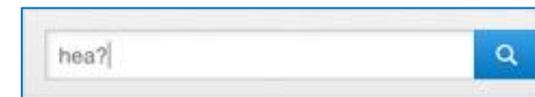
- * 와일드 카드 : 임의의 수의 문자를 포함한 검색 결과 제공

Hea* 검색 시 "head", "heats", "health", "heated", "heating" 와 같은 검색결과를 모두 도출



- ? 와일드 카드 : 임의의 단일 문자를 포함한 검색결과를 제공

“hea? 검색 시 "head", "heat", "heal” 와 같이 임의의 한글자를 포함한 검색결과를 제공



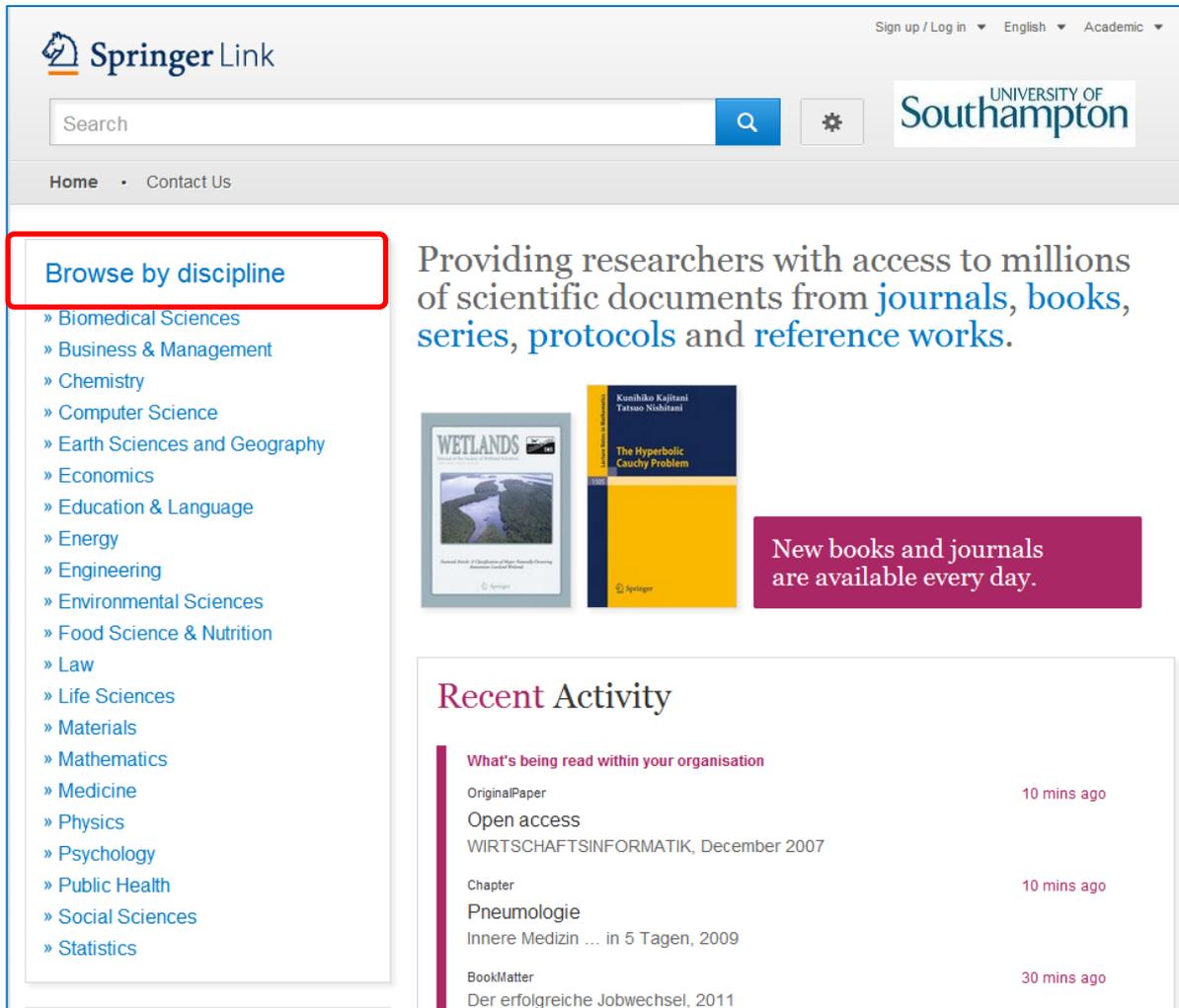
블리언 검색

- AND 연산자 : Wheat AND maize (Wheat와 maize 포함 결과 제공)
AND 연산자는 디폴트 값으로 제공되므로 연산자 없이 “Wheat maize” 입력 시 동일한 결과 제공
- OR 연산자 : Wheat OR maize (wheat 나 maize를 포함하는 결과 제공)
- NOT 연산자 : Wheat NOT maize (wheat 포함하나 maize를 제외한 결과 제공)
- NEAR 연산자 : System NEAR testing (단어 “testing” 10자내 위치한 “system”)
- ORNEAR 연산자 : 각 검색어가 두 검색어가 순서대로 존재하는 결과 제공

- 연산자 다중 적용 시 우선순위 : NOT, OR, AND
공백에는 디폴트 값으로 AND 연산자가 적용되므로, 정확한 결과를 위해서는 “ ” 기호로 구분
- *plastic bottles OR water pollution*
- *= plastic AND (bottles OR water) AND pollution*
- *≠ "plastic bottles" OR "water pollution "*

브라우징

1. 주제별 브라우징



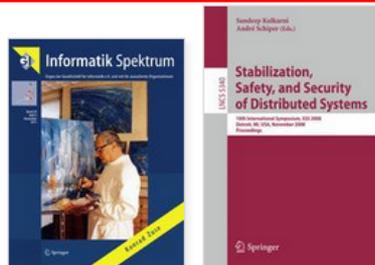
The screenshot shows the Springer Link website interface. At the top, there is a search bar with the text "Search" and a magnifying glass icon. To the right of the search bar are links for "Sign up / Log in", "English", and "Academic". Below the search bar, there are links for "Home" and "Contact Us". On the left side, there is a navigation menu titled "Browse by discipline" which is highlighted with a red box. The menu lists various disciplines: 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. In the center, there is a promotional banner for "New books and journals are available every day." featuring two book covers: "WETLANDS" and "The Hyperbolic Cauchy Problem". Below the banner, there is a section titled "Recent Activity" which lists recent reads within the organization, including "OriginalPaper" (10 mins ago), "Open access" (10 mins ago), and "BookMatter" (30 mins ago).

- 24개 주제 구분
- 결과 내 소주제 정렬 가능

브라우징

2. 콘텐츠 유형별 브라우징

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



New books and journals are available every day.

하이퍼링크 텍스트

- Journals
- Books
- Series
- Protocols
- Reference works

- » 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

주제 구분 하단 콘텐츠 유형 제시

- Articles
- Chapters
- References Work Entries
- Protocols

검색 결과 페이지

The screenshot shows the Springer Link search results page for the query "methods of tapping solar energy". The search bar is highlighted with a blue box. On the left, the "Include preview only content" filter is highlighted with a red box. The main results area is outlined in green and contains three items:

- Article:** "Electrochemical ways of tapping solar energy: an appraisal" by A K Shukla, R Manoharan, K V Ramesh in *Bulletin of Materials Science* (1983). Includes a "Download PDF" link (1624 KB).
- Article:** "The potential for increasing rubber production by matching tapping intensity to leaf area index" by Ciro Abbud Righi, Marcos Silveira Bernardes in *Agroforestry Systems* (2008). Includes "Download PDF" (347 KB) and "View Article" links.
- Chapter:** "Reconstruction of the global-scale three-dimensional solar corona" by M. D. Altschuler in *Image Reconstruction from Projections* (1979). Includes "Look Inside" and "Get Access" links.

On the far left, a sidebar shows filters for Content Type, Discipline, Subdiscipline, and Published In.

검색결과

디폴트 값으로 라이선스 콘텐츠와 Preview-only 콘텐츠 모두 제시

라이선스 콘텐츠만 확인

Preview-only 콘텐츠를 제외한 검색 결과 확인을 원할 때, 오른쪽 사이드바의 노란색 박스 체크를 해 제하면 라이선스 콘텐츠만 검색결과로 제시

Preview-only 결과는 자물쇠 모양과 함께 노란색으로 표시

검색 결과 페이지

Chapter (1)

Solar Energy (2)

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...

Roberto Barile in *Sustainable Development and Environmental Management (2008)* (4)

» [Download PDF](#) (1005 KB) (5)

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

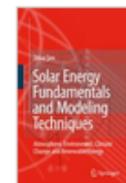


Book

Solar Energy Fundamentals and Modeling Techniques

Atmosphere, Environment, Climate Change and Renewable Energy

Zekai Şen (2008)



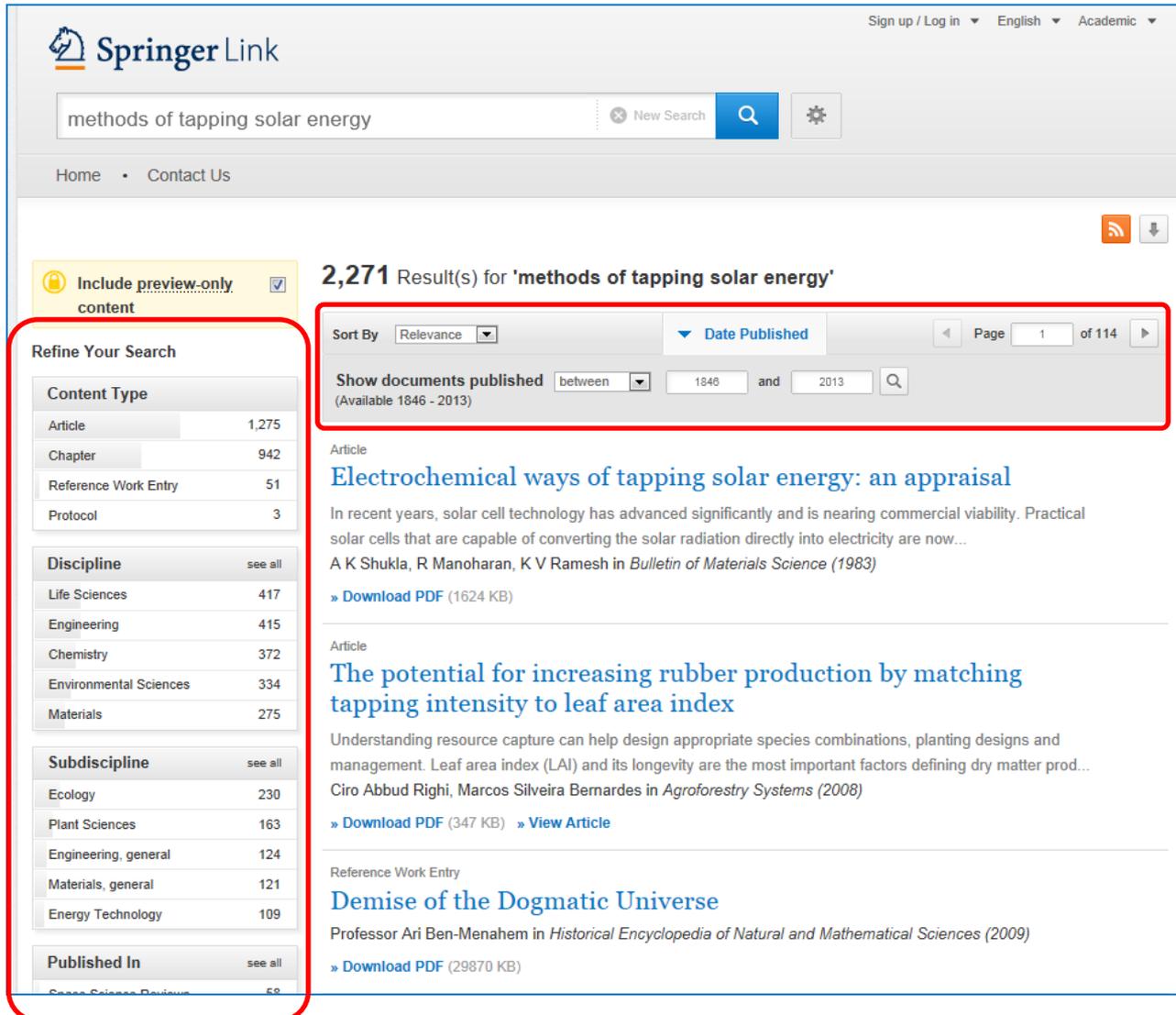
검색 결과 페이지 구조

- (1) 콘텐츠 유형
- (2) 타이틀
- (3) 설명
- (4) 저자 & 타이틀
- (5) 원문 PDF 다운로드

콘텐츠 유형 구분

- 대구분
 - Series / Book / Journal / Reference Work
- 소구분
 - Chapter / Protocol / Article / Reference Work Entry

검색 결과 페이지



The screenshot shows the Springer Link search results page for the query "methods of tapping solar energy". The page displays 2,271 results. A red box highlights the search filters and sorting options. The filters include "Include preview-only content" (checked), "Refine Your Search" (with sub-sections for Content Type, Discipline, Subdiscipline, and Published In), and "Show documents published between 1846 and 2013". The sorting options are "Relevance" and "Date Published". The first result is an article titled "Electrochemical ways of tapping solar energy: an appraisal" by A K Shukla, R Manoharan, and K V Ramesh, published in *Bulletin of Materials Science* (1983). The second result is a reference work entry titled "Demise of the Dogmatic Universe" by Professor Ari Ben-Menahem, published in *Historical Encyclopedia of Natural and Mathematical Sciences* (2009).

Refine Your Search

Content Type

Article	1,275
Chapter	942
Reference Work Entry	51
Protocol	3

Discipline [see all](#)

Life Sciences	417
Engineering	415
Chemistry	372
Environmental Sciences	334
Materials	275

Subdiscipline [see all](#)

Ecology	230
Plant Sciences	163
Engineering, general	124
Materials, general	121
Energy Technology	109

Published In [see all](#)

Springer Science+Business Media	58
---------------------------------	----

2,271 Result(s) for 'methods of tapping solar energy'

Sort By: [Relevance](#) | [Date Published](#) | Page 1 of 114

Show documents published between 1846 and 2013

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)
[» Download PDF](#) (1624 KB)

Article
The potential for increasing rubber production by matching tapping intensity to leaf area index
 Understanding resource capture can help design appropriate species combinations, 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)
[» Download PDF](#) (347 KB) [» View Article](#)

Reference Work Entry
Demise of the Dogmatic Universe
 Professor Ari Ben-Menahem in *Historical Encyclopedia of Natural and Mathematical Sciences* (2009)
[» Download PDF](#) (29870 KB)

검색결과 정렬

- 관련성/ 최신순/ 오름 및 내림 차순 정렬
- 출판년도 설정

필터링

- 왼쪽 사이드 바에서 필터링 옵션 제공
- 옵션 선택하여 검색 결과 정렬 가능

필터링 옵션

- 콘텐츠 유형
- 주제
- 소주제
- 타이틀 구분
- 언어

콘텐츠 페이지

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

Description
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

Latest Articles
Direct Conversion of Solar Energy to Electric Energy
[Output 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)

파란색 막대바

항상 위에 위치

콘텐츠 유형에 따라 다양한 기능 제공

예) Journal – Browse Volumes & Issues

예) Book chapter – Download PDF/ View Chapter

Look Inside

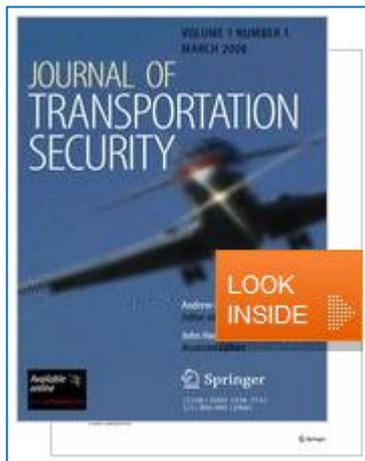
미리 내용을 browsing 할 수 있는 옵션

- 기관 이용자

원문 전체 브라우징 가능

- 권한 미 인식된 이용자

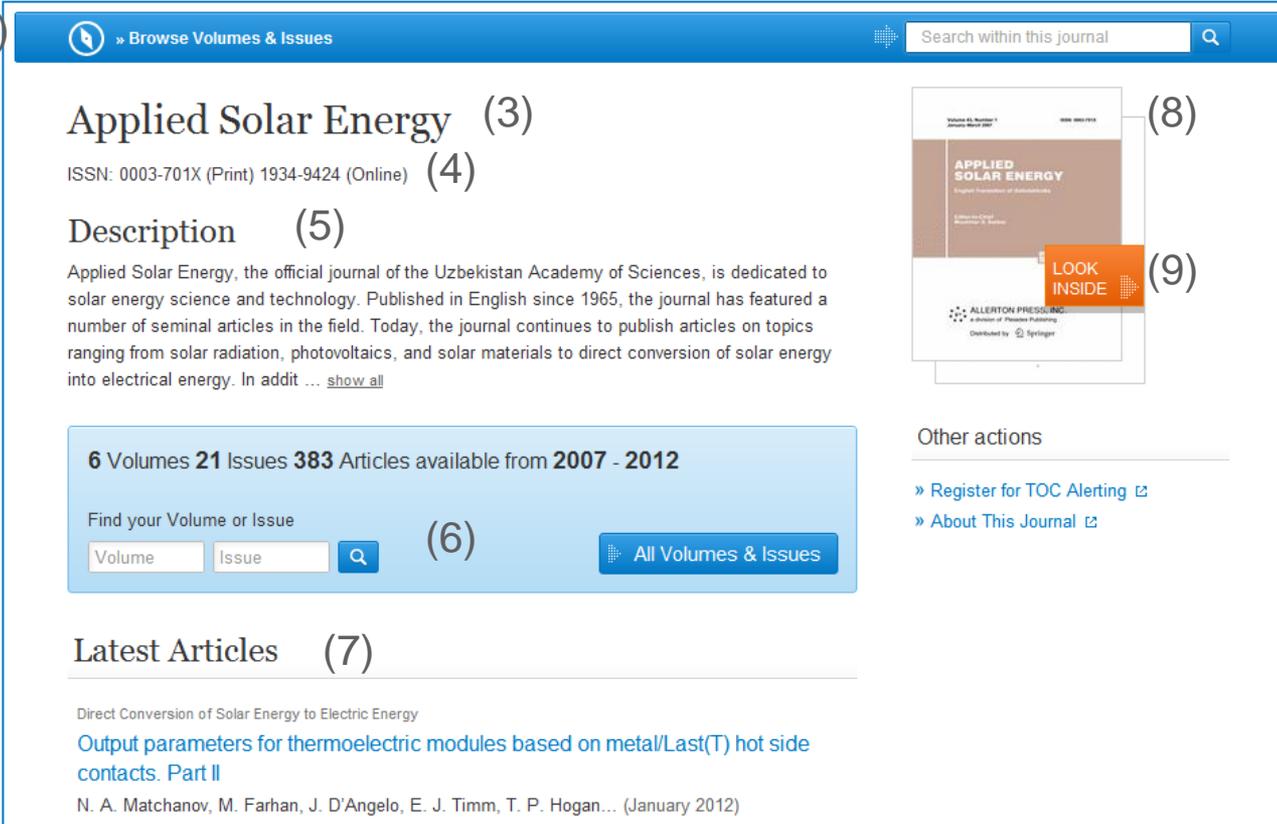
첫 2페이지 확인 가능



저널 페이지 구성

(1)

(2)



(1) Browse Volumes & Issues
 (2) Search within this journal
 (3) Applied Solar Energy
 (4) ISSN: 0003-701X (Print) 1934-9424 (Online)
 (5) Description
 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) Find your Volume or Issue
 Volume Issue [All Volumes & Issues](#)
 (7) Latest Articles
 Direct Conversion of Solar Energy to Electric Energy
[Output 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) Applied Solar Energy journal cover
 (9) LOOK INSIDE button

저널 페이지 기능

- (1) 권 & 호 browsing
- (2) 저널 내 검색
- (3) 저널 타이틀
- (4) 저널 ISSN
- (5) 저널 설명
- (6) 권 및 호 navigation
- (7) 최근 아티클 목록
- (8) 저널 표지
- (9) 원문보기

저널 페이지



» Browse Volumes & Issues

Applied Solar Energy

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

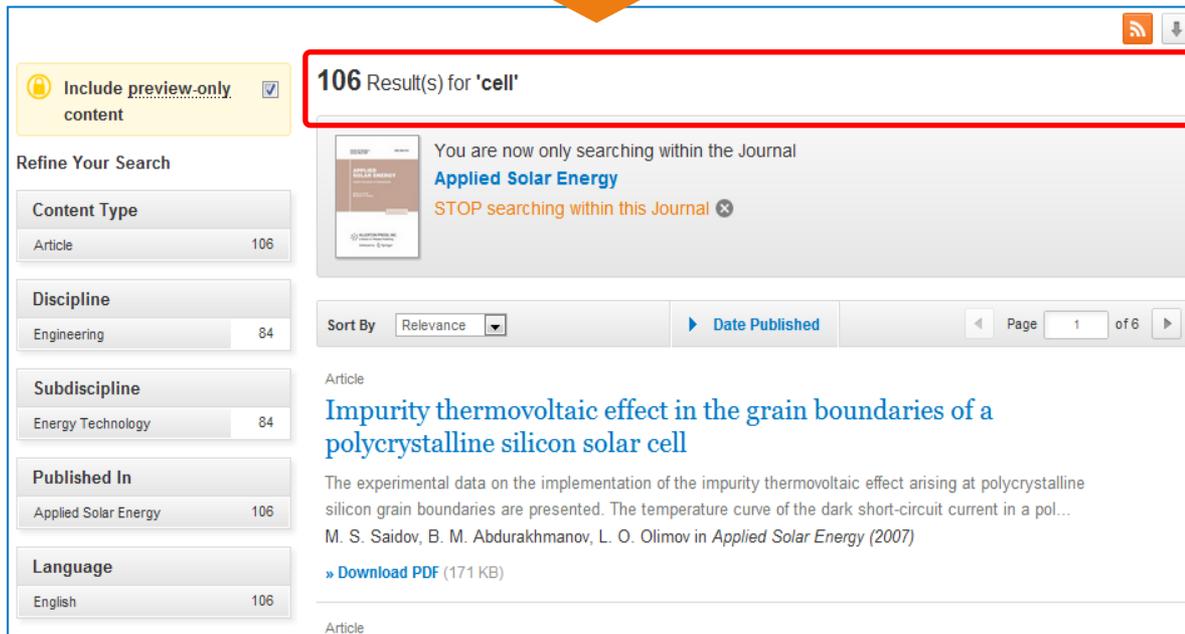
Description

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](#)

LOOK INSIDE

저널 내 검색

상단 파란 막대바에 포함된 검색창을 통해 저널 내에서 검색 가능

Include preview only content

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 thermovoltaic effect arising at polycrystalline silicon grain boundaries are presented. The temperature curve of the dark short-circuit current in a pol...

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Journal of Pest Science
March 2012, Volume 85, Issue 1, pp 17-21 (3)

Feasibility of solar tents for inactivating weedy plant propagative material (4)

James J. Stapleton (5)

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Abstract

Solar tents, which are safe, inexpensive, and easy to construct, can be used to inactivate unwanted weed plant propagative materials, onsite. During two field trials in the San Joaquin Valley of California, from Sept 2 to 7, 2010, solar tents produced diurnal temperature maxima within closed sample bags of 63.5–76.7°C. The mean maximum temperatures within the sample bags were 32.9–42.1°C higher than those of ambient air, and temperatures ≥60°C were maintained for 3.2–6.0 h each afternoon during the field trials. Rhizome segments, excavated and excised from a local infestation of the important weed pest *Sorghum halepense* (johnsongrass), were used to evaluate effects of the treatment on weedy plant tissues with vegetative propagation capability. The rhizomes were completely destroyed following confinement within tents for 3 days. Construction suggestions for building onsite solar tents are presented, with emphasis on use of locally available materials. In sufficiently warm climatic areas and weather conditions, solar tents can provide a useful alternative for inactivating weed propagative materials. Potential uses include destruction of quarantined, propagative materials following regulatory roguing interventions in remote locations, or routine roguing of limited scale areas to remove invasive weeds.

• Communicated by M. Traugott.

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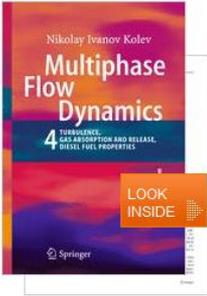
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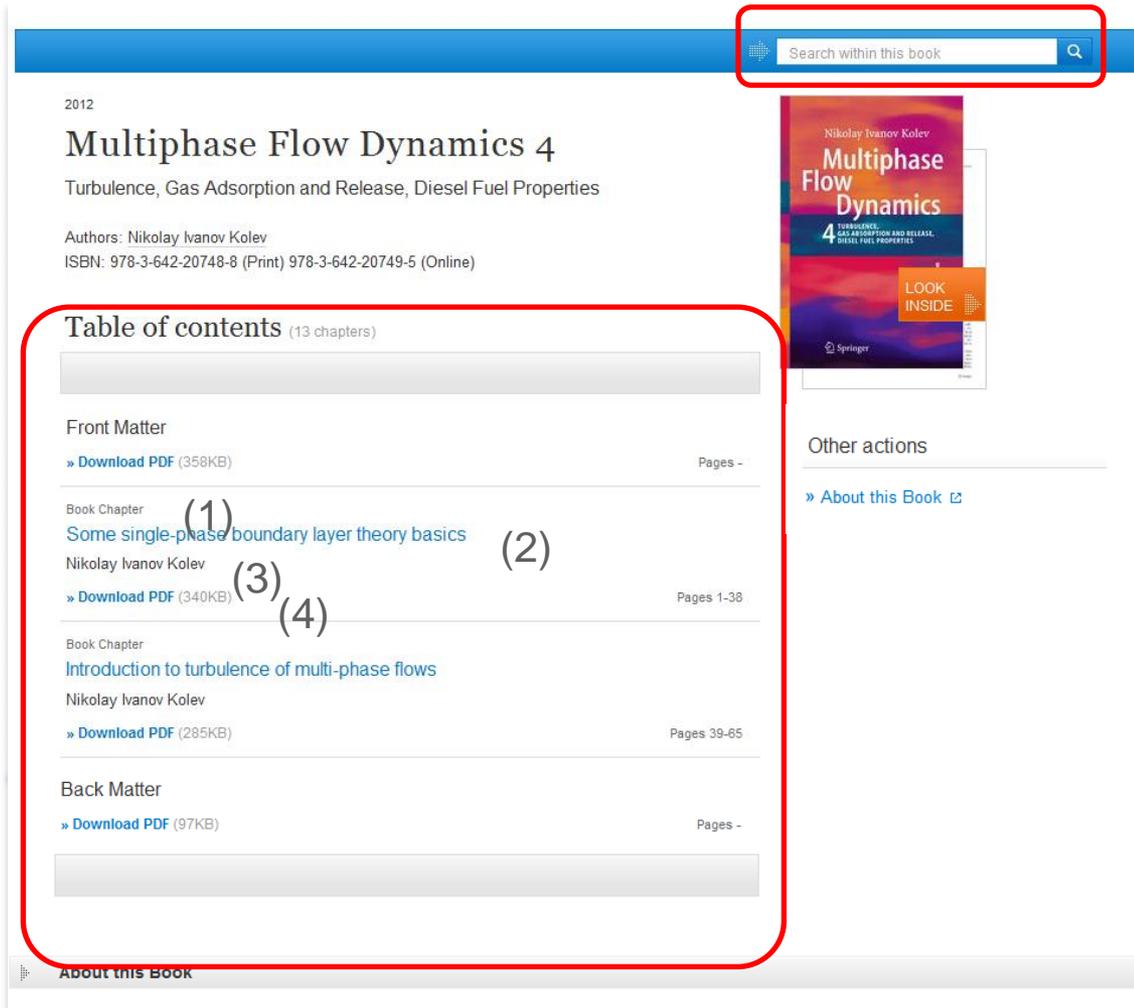
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New Horizons of Parallel and Distributed Computing
2005, pp 3-19

Flexible Message Passing Interface for A Heterogenous Computing Environment

Yuichi Tsujita, Toshiyuki Imamura, Nobuhiro Yamagishi, Hiroshi Takemiya

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(3) **Abstract**

A flexible MPI library, Stampi, has been developed to enable MPI operations on a heterogeneous computing environment. APIs are based on the MPI-1 and the MPI-2 standards. Users can call these functions without awareness of underlying communication mechanism. In message transfer, a vendor-supplied MPI library and TCP/IP socket are used selectively among MPI processes. Introducing its own router process mechanism hides a complex network configuration in inter-machine data transfer. In addition, the MPI-2 extensions, functionalities of dynamic process creation and MPI-I/O, are also implemented. MPI-I/O on the Stampi library realizes both local and remote I/O operations due to the request of user applications. We have evaluated performance of primitive MPI functions in Stampi and sufficient performance has been achieved and effectiveness of our flexible implementation has been confirmed.



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Recent Developments in Vector Optimization
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(1) Vector Optimization Problems and Their Solution Concepts

Gabriele Eichfelder, Johannes Jahn

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Abstract

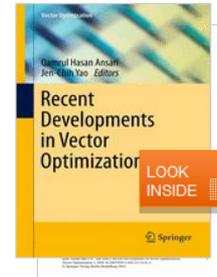
In vector optimization one investigates optimal elements of a set in a pre-ordered space. The problem of determining these optimal elements, if they exist at all, is called a vector optimization problem. Problems of this type can be found not only in mathematics but also in engineering and economics. There, these problems are also called multiobjective (or multi criteria or Pareto) optimization problems or one speaks of multi criteria decision making. Vector optimization problems arise, for example, in functional analysis (the Hahn–Banach theorem, the lemma of Bishop–Phelps, Ekeland’s variational principle), multiobjective programming, multi-criteria decision making, statistics (Bayes solutions, theory of tests, minimal covariance matrices), approximation theory (location theory, simultaneous approximation, solution of boundary value problems) and cooperative game theory (cooperative n player differential games and, as a special case, optimal control problems). In the last decades vector optimization has been extended to problems with set-valued maps. This field, called set optimization, has important applications to variational inequalities and optimization problems with multivalued data.

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