



長榮大學 2017.06.05

Ofey Hung

- 全世界將近有 15,000位員工
- 涵蓋大部份STM的學科
- 每年出版超過3,000種期刊和9,000圖書 (英文和德文)
- 大部份都是以數位化出版
- 全世界最大的 Open Access出版社:

SpringerOpen : www.springeropen.com

BioMed Central: www.biomedcentral.com

Chemistry Central: www.chemistrycentral.com

Springer is dedicated towards Innovations



Online journals



Online peer review

XML production

```
1 <?xml version="1.0" encoding="UTF-8" ?>
2
3 <ROWSET>
4   <ROW>
5     <ISBN13>978-0-0-45...
6     <TITLE>Yeast Biote...
7     <SUBJECTCODE>C000...
8     <PUBDATE>...
```

Open Choice



AuthorMapper



Protocols

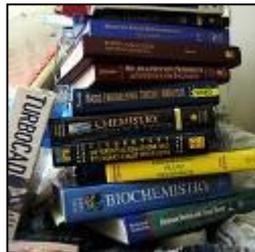


1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009

Online marketing



Print on demand



Online Journal Archive



Blogs eBooks



SpringerMaterials

Springer Images

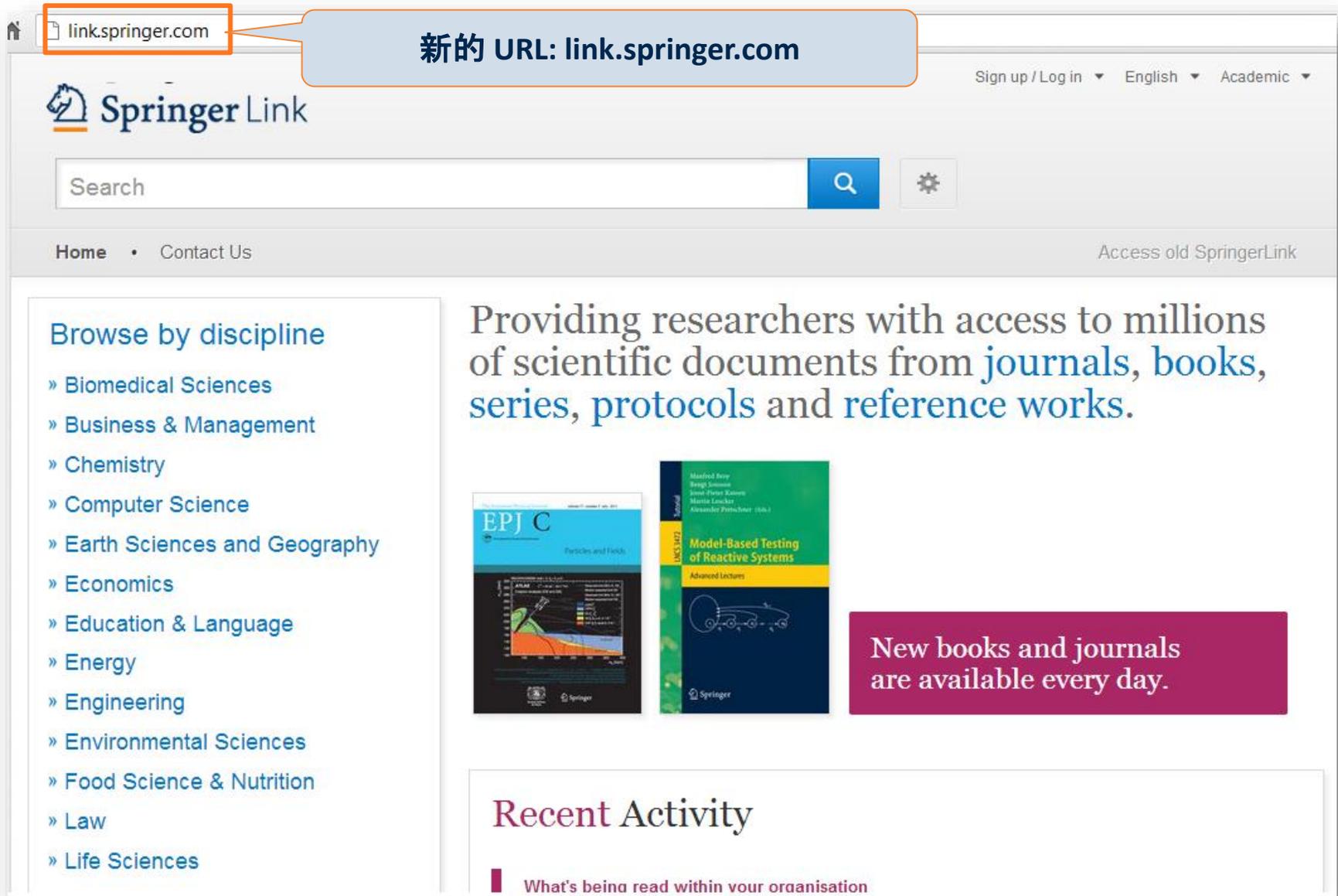


SpringerLink Relaunch



SpringerLink新平臺

2012年10月



link.springer.com

新的 URL: link.springer.com

Springer Link

Sign up / Log in English Academic

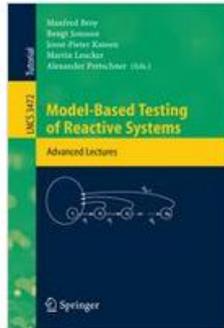
Search

Home • Contact Us Access old SpringerLink

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

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New books and journals are available every day.

Recent Activity

What's being read within your organisation

新平臺速度更快



Avg. Page Load Time (sec)	Pageviews	Page Load Sample	Bounce Rate
10.04 Site Avg: 10.04 (0.00%)	51,261,199 % of Total: 100.00% (51,261,199)	275,878 % of Total: 100.00% (275,878)	61.38% Site Avg: 61.38% (0.00%)

頁面平均下載時間



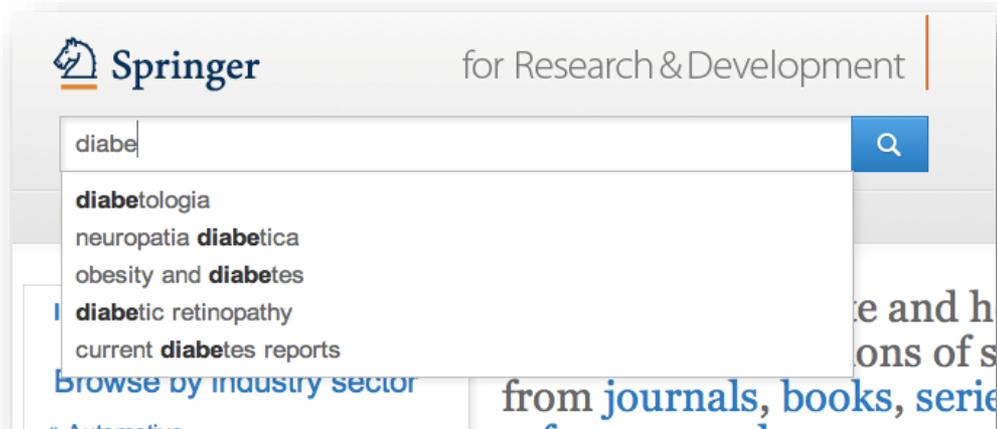
Brian Bishop ▾ English ▾ Academic ▾

Avg. Page Load Time (sec)	Pageviews	Page Load Sample	Bounce Rate
5.15 Site Avg: 5.15 (0.00%)	309,919 % of Total: 100.00% (309,919)	1,653 % of Total: 100.00% (1,653)	58.90% Site Avg: 58.90% (0.00%)

頁面平均下載時間

新平臺添加了更多新功能:

搜索時自動建議功能（以Google關鍵字數據為準）



每個檔可以預覽
兩頁（不
僅限於瀏覽圖書
章節）

僅顯示有訪問權的查詢結果

 **Include preview-only content**

756 Result(s) for 'biorefinery'

更多新功能:

直接連結到HTML部分

Within this Article:

- » [Introduction](#)
- » [Patients and methods](#)
- » [Results](#)
- » [Discussion](#)
- » [References](#)



Results

Patient characteristics

Between 11/04/2003 and 12/13/2004, seven patients were seen in this initial cohort. Table 1 summarizes the characteristics of these patients.

Table 1 Baseline demographics and clinical characteristics

Baseline characteristics
Patients evaluable/enrolled
Gender: Female %

改進後的 HTML

European Biophysics Journal with Biophysics Letters
© The Author(s) 2012
10.1007/s00249-012-0820-x

Review

Validation of macro

Michal Hammel¹ ✉

(1) Lawrence Berkeley National Laboratory,

✉ Michal Hammel
Email: mhammel@lbl.gov

Received: 4 March 2012 Revised: 22 April 2012

Abstract

The dynamics of macromolecular conformations are critical to the action of cellular processes. In this review, we combine solution-scattering data with high-resolution techniques such as, for example, minimal ensemble search (MES), enhance our understanding of the knowledge gained from ensemble X-ray crystallography, NMR, and computational techniques used for conformational sampling.

Keywords Small-angle X-ray scattering (SAXS)

Special Issue: Scattering techniques in biological systems

Home • Contact Us

European Biophysics Journal
with Biophysics Letters
© The Author(s) 2012
10.1007/s00249-012-0820-x

Review

Validation of macromolecular flexibility in solution by small-angle X-ray scattering (SAXS)

Michal Hammel¹ ✉

(1) Lawrence Berkeley National Laboratory, Physical Biosciences Division, Berkeley, CA, USA

✉ Michal Hammel
Email: mhammel@lbl.gov

Received: 4 March 2012

Revised: 22 April 2012

Accepted: 5 May 2012

Published online: 26 May 2012

Abstract

The dynamics of macromolecular conformations are critical to the action of cellular processes. In this review, we combine solution-scattering data with high-resolution techniques such as, for example, minimal ensemble search (MES), enhance our understanding of the knowledge gained from ensemble X-ray crystallography, NMR, and computational techniques used for conformational sampling. This review addresses theoretical and practical concepts, concerns, and considerations in conjunction with computational methods to productively combine solution-scattering data with high-resolution structures. I discuss the principal means of direct identification of macromolecular conformations from SAXS data followed by critical concerns about the methods used to calculate macromolecular conformations from high-resolution structures. The SAXS profile is a direct interrogation of the macromolecular conformation and techniques such as, for example, minimal ensemble search (MES), enhance our understanding of the knowledge gained from ensemble analysis of SAXS experiments by describing the SAXS profiles as population-weighted thermodynamic ensembles. Recent developments in computational techniques used for conformational sampling provide a basis for assessing the level of the flexibility within a sample. These approaches sacrifice atomic detail, the knowledge gained from ensemble analysis of SAXS data, for developing hypotheses and guiding biochemical experiments. Examples of the use of these techniques are provided.

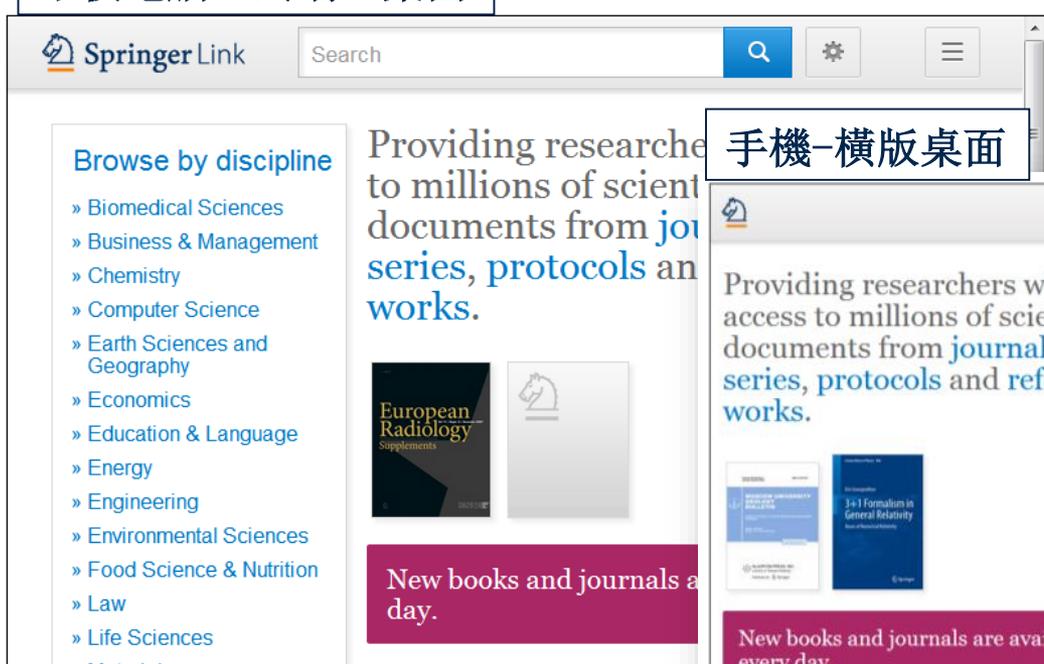
新平臺對應各種移動載具、智慧手機

- 網路回應設計讓所有移動設備具有最佳視覺效果

普通電腦桌面



平板電腦（終端）桌面



手機-橫版桌面



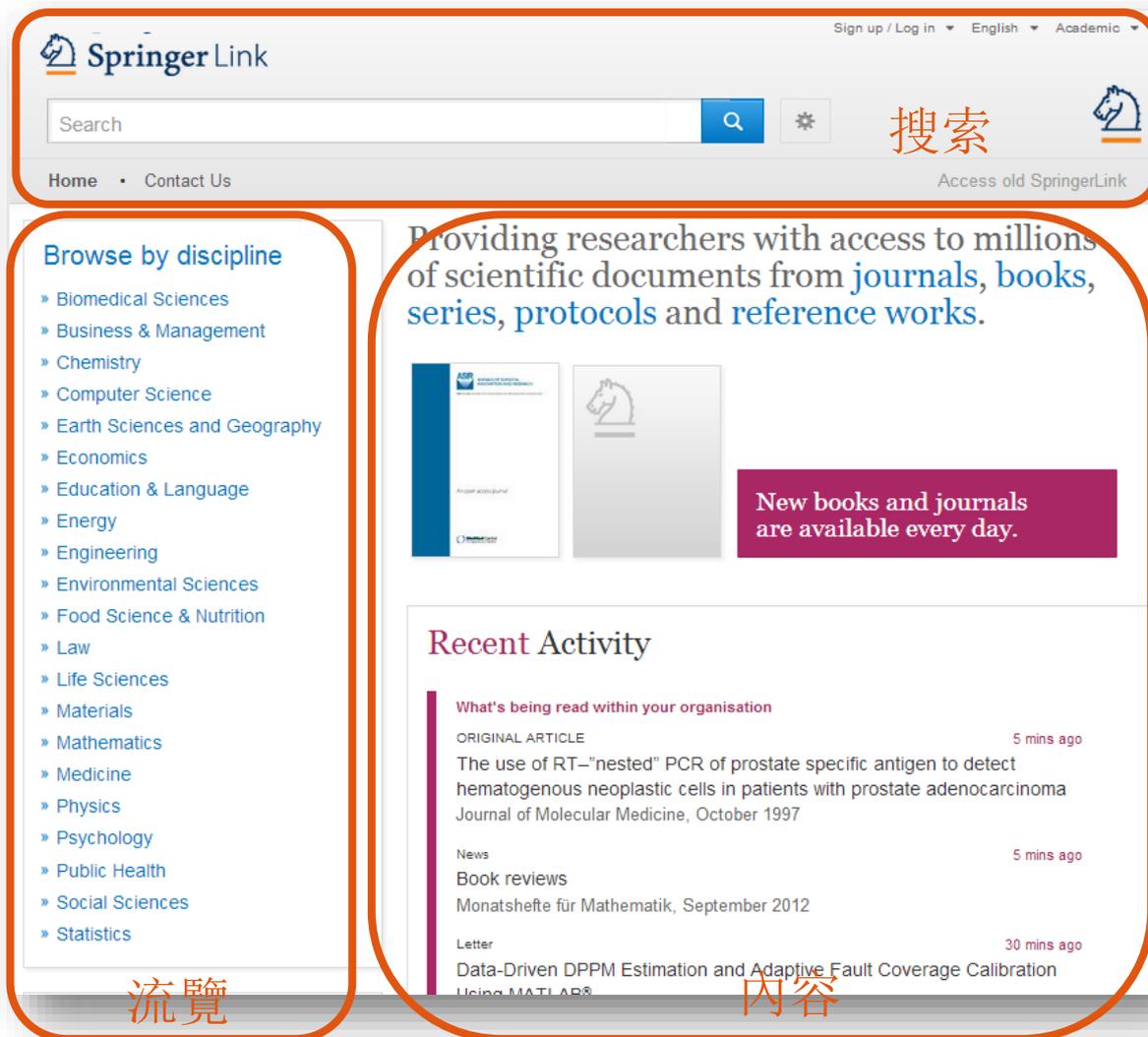
手機-豎版桌面



首頁

- 3個部分：搜索-瀏覽-內容

首頁



The screenshot shows the SpringerLink homepage with several key elements highlighted by orange rounded rectangles:

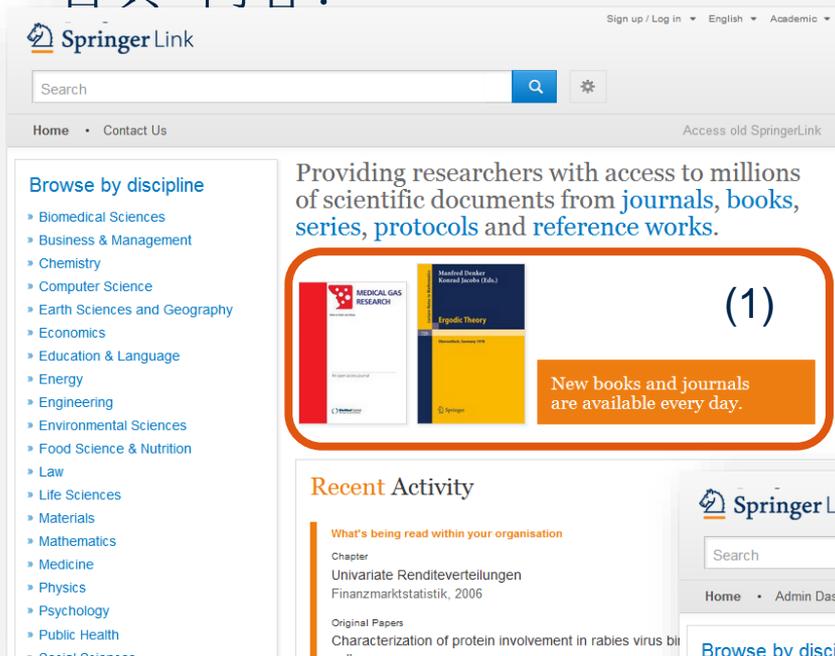
- Search Bar:** Located at the top, it includes a search input field with the placeholder text "Search", a magnifying glass icon, a settings gear icon, and the Chinese characters "搜索" (Search). To the right of the search bar are links for "Sign up / Log in", "English", and "Academic".
- Navigation:** Below the search bar, there are links for "Home" and "Contact Us", and a link for "Access old SpringerLink".
- Browse by discipline:** A vertical list of subject categories on the left side, including 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.
- Main Banner:** A large central banner with the text "Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works." Below this text are two book covers and a purple box that says "New books and journals are available every day."
- Recent Activity:** A section titled "Recent Activity" showing a list of items read within the organization, such as "ORIGINAL ARTICLE: The use of RT-'nested' PCR of prostate specific antigen to detect hematogenous neoplastic cells in patients with prostate adenocarcinoma" and "News: Book reviews Monatshefte für Mathematik, September 2012".

Two large Chinese characters are overlaid on the bottom of the screenshot: "流覽" (Browse) on the left and "內容" (Content) on the right.

首頁分成三個部分：

- 搜索功能
- 瀏覽功能
- 根據您的個人資料提供的相關內容

首頁-內容:



Springer Link

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

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(1)

New books and journals are available every day.

Recent Activity

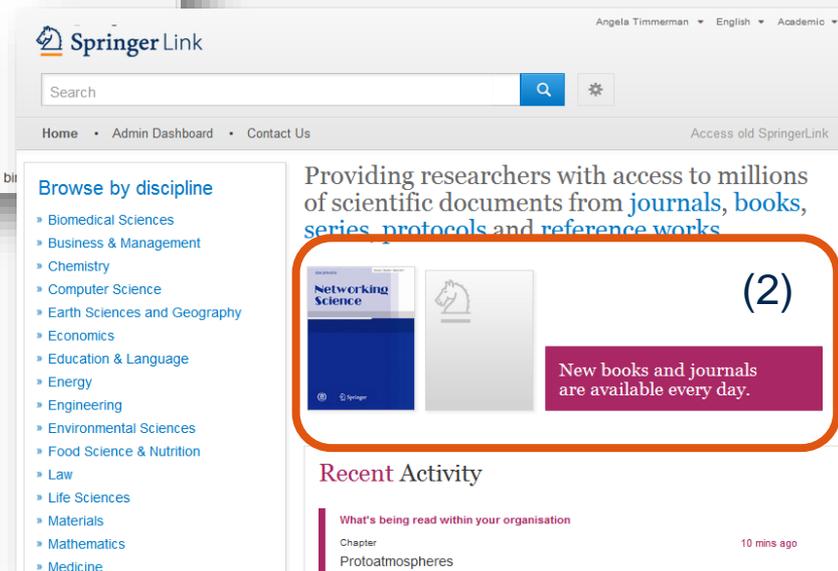
What's being read within your organisation

- Chapter: Univariate Renditeverteilungen, Finanzmarktstatistik, 2006
- Original Papers: Characterization of protein involvement in rabies virus bio...

內容區域

在內容區域內會按顏色識別客戶類別:

1. 橙色代表匿名使用者
2. 紫色代表可識別客戶



Springer Link

Search

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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

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

(2)

New books and journals are available every day.

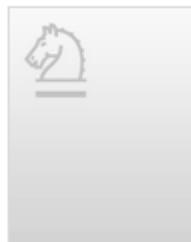
Recent Activity

What's being read within your organisation

- Chapter: Protoatmospheres, 10 mins ago

首頁-匿名使用者

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.

匿名使用者:

如果您匿名登入，“活動” (Activity) 將顯示為橙色

在該區域中，您將獲得所有最近期的下載列表

Recent Activity

What's being read within your organisation

OriginalPaper 1 min ago

Development of a Mesoamerican intra-genepool genetic map for quantitative trait loci detection in a drought tolerant × susceptible common bean (*Phaseolus vulgaris* L.) cross
Molecular Breeding, January 2012

BookMatter 1 min ago

Developing International Strategies, 2012

OriginalPaper 1 min ago

The Relation of Story Structure Properties to Recall of Television Stories in Young Children with Attention-Deficit Hyperactivity Disorder and Nonreferred Peers
Journal of Abnormal Child Psychology, August 1999

首頁 - 可識別的機構用戶

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



Recent Activity

What's being read within your organisation

ORIGINAL ARTICLE 5 mins ago

Degradation activity of *Clostridium* species DC-1 in the *cis*-1,2-dichloroethylene contaminated site in the presence of indigenous microorganisms and *Escherichia coli*
Journal of Material Cycles and Waste Management, September 2012

OriginalPaper 5 mins ago

On the origin of *Solanum nigrum*: can networks help?
Molecular Biology Reports, February 2011

Original Article—Alimentary Tract 5 mins ago

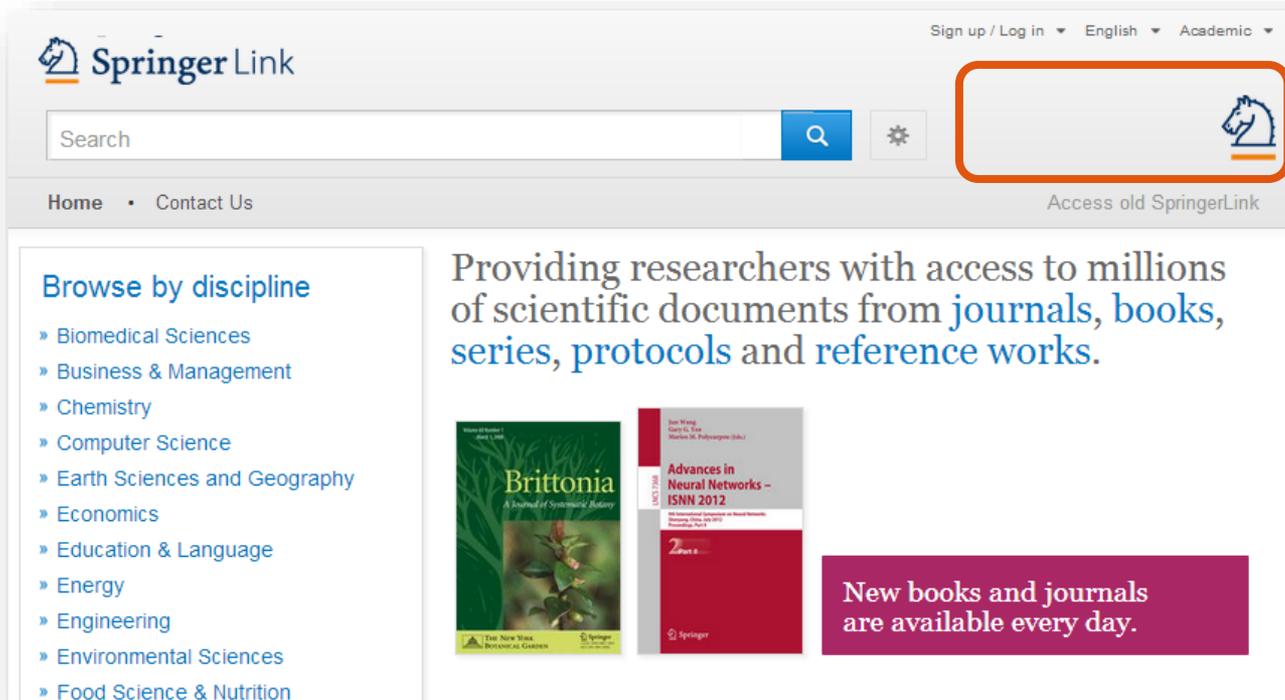
Amelioration of 2,4,6-trinitrobenzene sulfonic acid-induced colitis in mice by immunoregulatory dendritic cells
Journal of Gastroenterology, December 2011

機構用戶：

如果您以機構名義登入，“活動”（Activity）將顯示為粉紅色

在該區域內，您將會看到您所在機構最近期的下載列表

機構標識



Sign up / Log in English Academic

Springer Link

Search

Home • Contact Us

Access old SpringerLink

Browse by discipline

- » Biomedical Sciences
- » Business & Management
- » Chemistry
- » Computer Science
- » Earth Sciences and Geography
- » Economics
- » Education & Language
- » Energy
- » Engineering
- » Environmental Sciences
- » Food Science & Nutrition

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

Brittonia
A Journal of Systematic Botany

Advances in Neural Networks - ISNN 2012

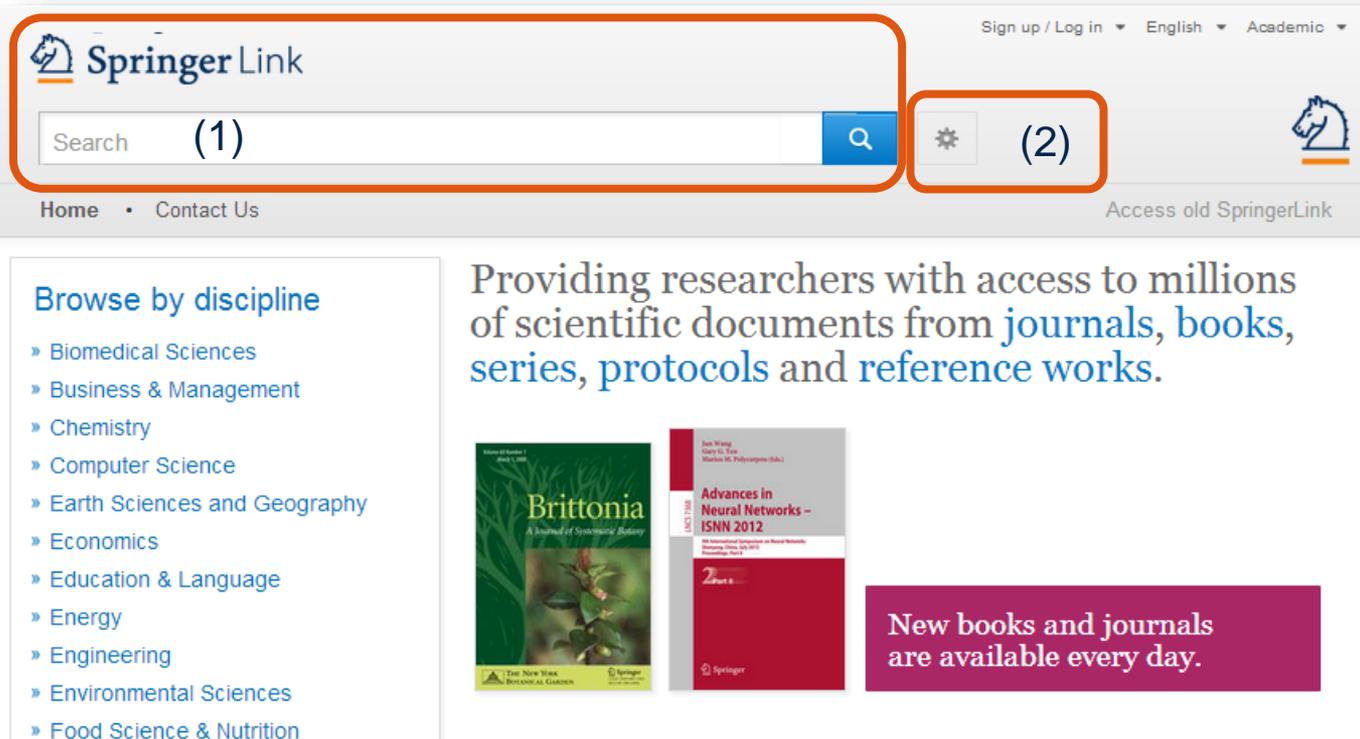
New books and journals are available every day.

機構標識

對於公司使用者，您可以將該公司的標識加入到Springer網站首頁

SpringerLink資料庫管理員可以進行此操作

首頁: 搜索

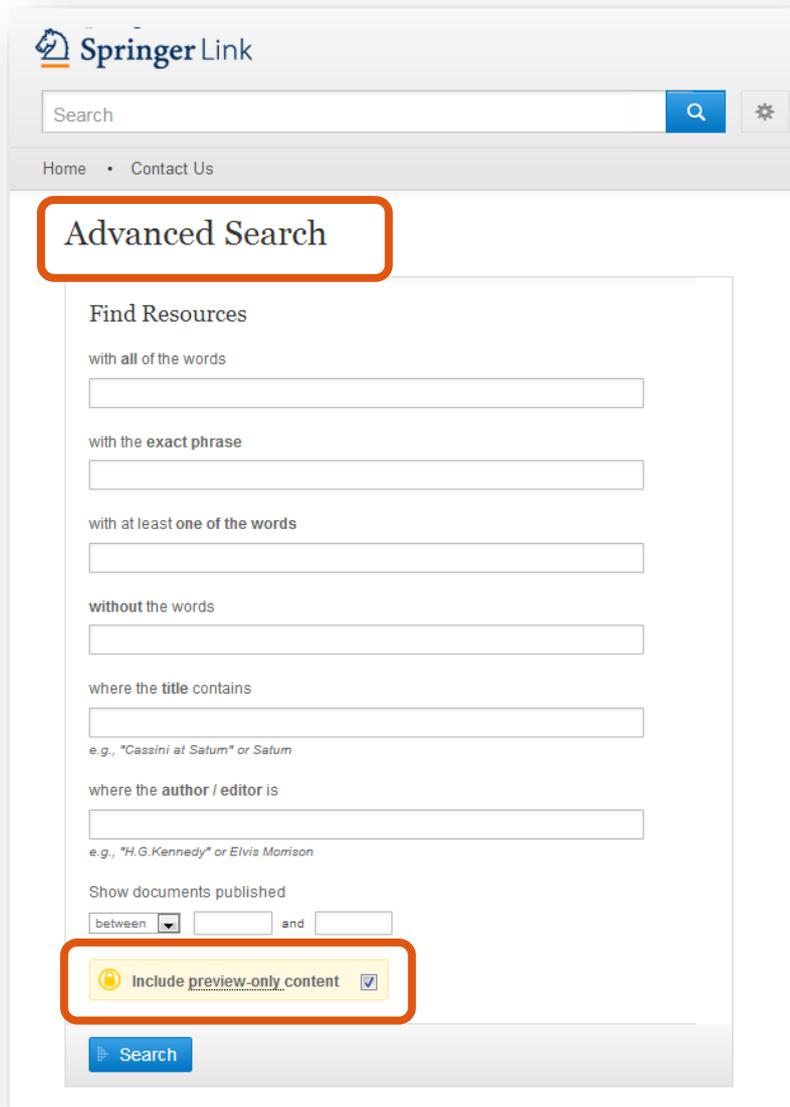


The screenshot shows the SpringerLink homepage. At the top left, the SpringerLink logo is displayed. Below it is a search bar with the text "Search" and a magnifying glass icon, labeled with a red circle and the number "1". To the right of the search bar is a settings gear icon, also labeled with a red circle and the number "2". The top right corner contains links for "Sign up / Log in", "English", and "Academic". Below the search bar, there are navigation links for "Home" and "Contact Us", and a link for "Access old SpringerLink". The main content area features a large heading: "Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works." Below this heading are two book covers: "Brittonia: A Journal of Systematic Botany" and "Advances in Neural Networks - ISNN 2012". A purple box at the bottom right of the main content area contains the text: "New books and journals are available every day."

搜索:

1. 大多數使用者通過搜索功能瀏覽我們的內容，因此在首頁上搜索功能是最明顯和最突出的
2. 同時首頁還提供進階搜索和幫助搜索

進階搜索選項



The screenshot shows the SpringerLink Advanced Search interface. At the top, there is a search bar with the text "Search" and a magnifying glass icon. Below the search bar, there are navigation links for "Home" and "Contact Us". The main section is titled "Advanced Search" and contains several search filters:

- Find Resources**
 - with all of the words: [input field]
 - with the exact phrase: [input field]
 - with at least one of the words: [input field]
 - without the words: [input field]
 - where the title contains: [input field]
e.g., "Cassini at Saturn" or Saturn
 - where the author / editor is: [input field]
e.g., "H.G.Kennedy" or Elvis Morrison
- Show documents published: between [input field] and [input field]
- Include preview-only content:

At the bottom, there is a blue "Search" button.

使用者可以通過使用進階搜索選項進一步縮小搜索範圍

用戶也可以限定在該機構的存取權限內搜索

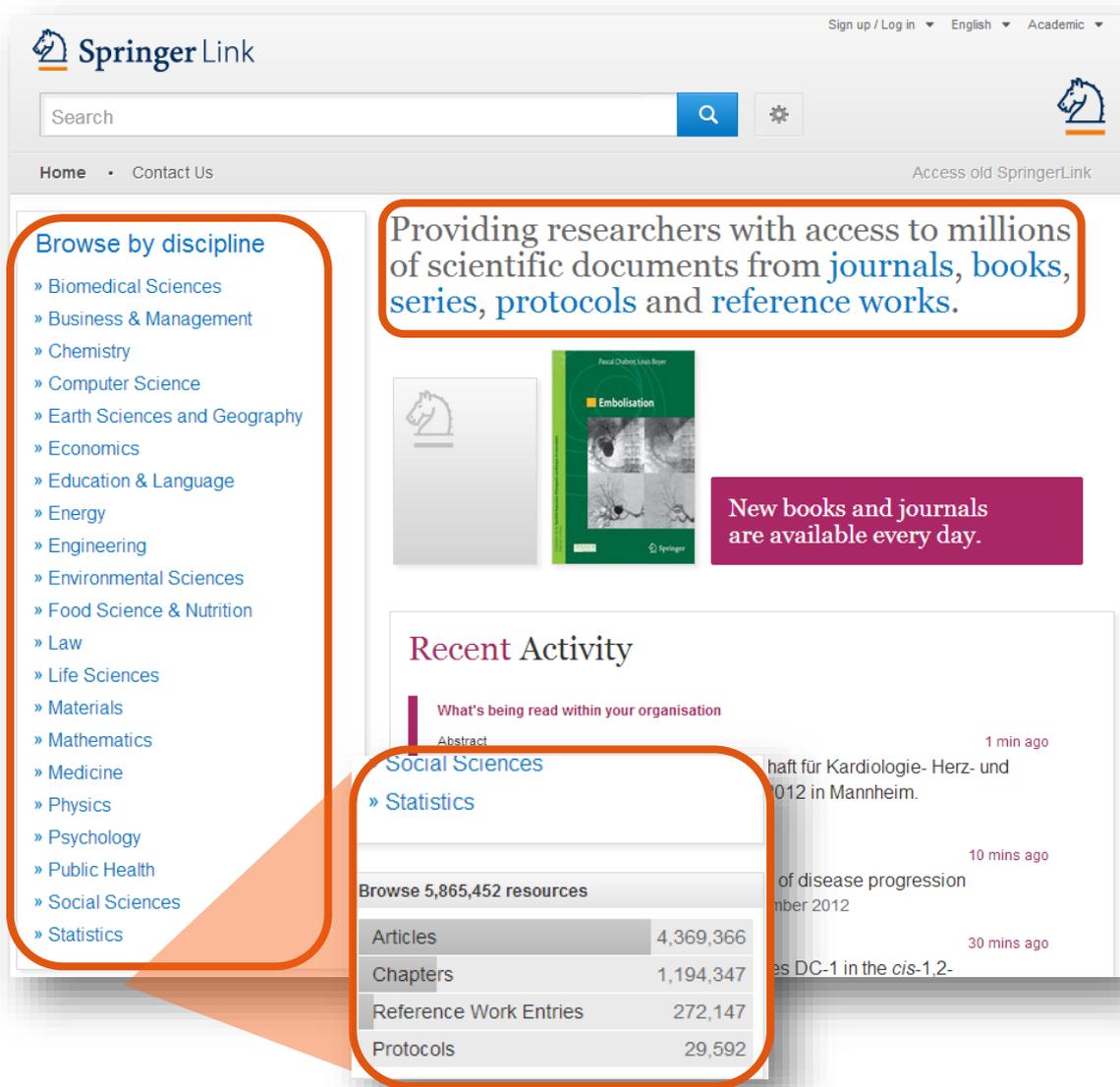
如何找到符合自己需求的文獻資料

- 善用布林邏輯組合: And / Not / Or/"**Phrase match**"

<http://libteach.lins.fju.edu.tw/class/retrieve.html>

- 過濾功能
- 分類功能

首頁：瀏覽



Springer Link

Search

Home • Contact Us

Access old SpringerLink

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

New books and journals are available every day.

Recent Activity

What's being read within your organisation

Abstract

Social Sciences

» Statistics

Browse 5,865,452 resources

Articles	4,369,366
Chapters	1,194,347
Reference Work Entries	272,147
Protocols	29,592

瀏覽：

在頁面左方的框中，瀏覽功能按學科分類

如果您點擊某個學科，您將會進入到該學科的新頁面

您也可以按內容的類型來瀏覽

在學科導航框的下方，您可以找到詳細的內容類別：

- (期刊) 文章
- 參考文獻
- (圖書) 章節
- 實驗室指南

搜索結果頁面

(2)

Include preview-only content

11.275 Result(s) for 'pediatric cardiology'

Sort By: Relevance | Date Published | Page 1 of 564

Content Type	Count
Article	9.880
Chapter	1.338
Reference Work Entry	32
Protocol	16
Book	8
Journal	1

Discipline	Count
Medicine	8.301
Biomedical Sciences	581
Life Sciences	101
Chemistry	79
Engineering	77

Subdiscipline	Count
Cardiology & Angiology	4.939
Surgery	2.991
Pediatrics	2.329
Internal Medicine	1.905

Article No Access
Upcoming Events in Pediatric Cardiology
Pediatric Cardiology (2002)
» Free Preview » Get Access (1)

Article
Pediatric cardiology reviewer acknowledgments
Pediatric Cardiology (1992)
» Download PDF (85 KB)

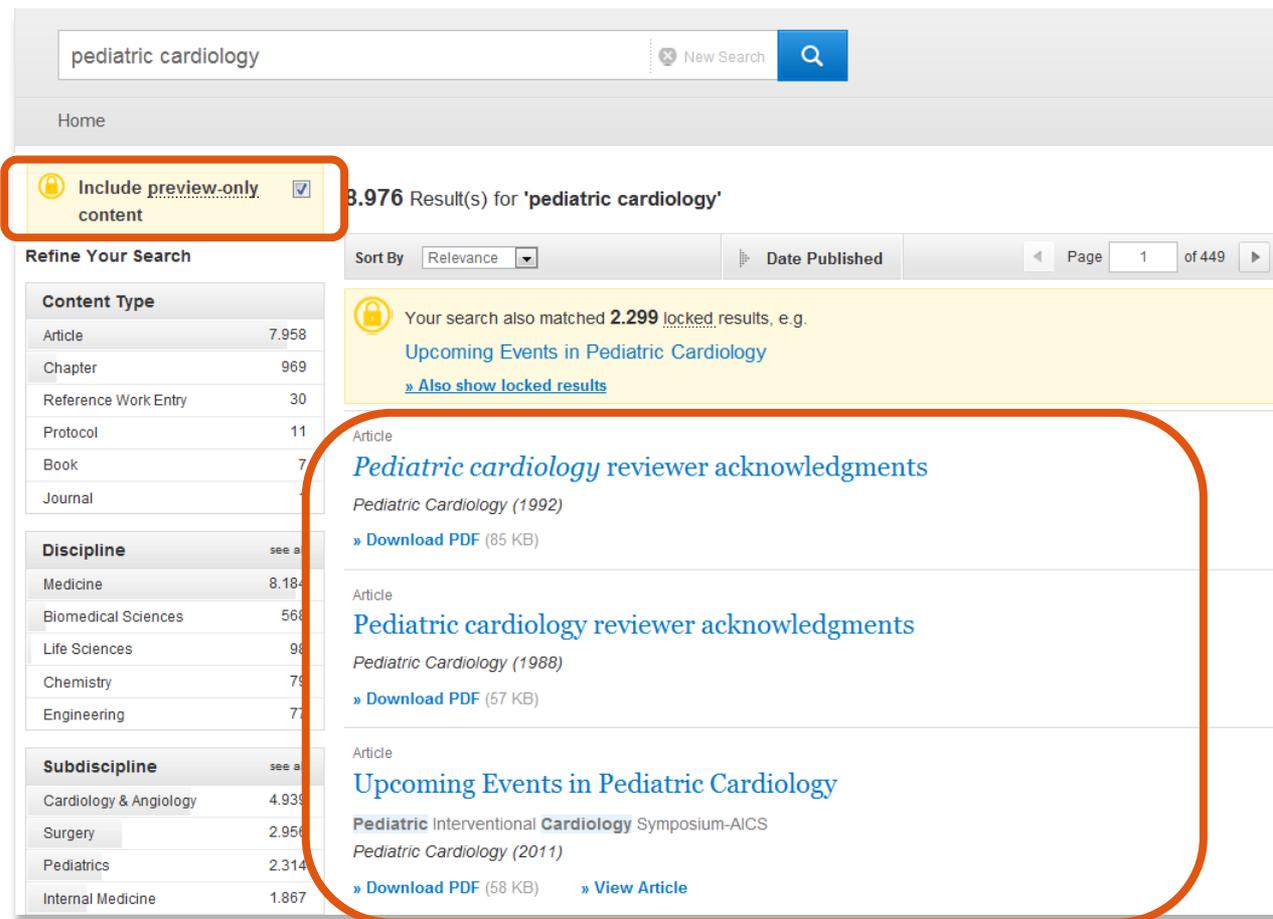
Article No Access
Upcoming Events in Pediatric Cardiology
Pediatric Cardiology (2003)
» Free Preview » Get Access

Article
Pediatric cardiology reviewer acknowledgments
Pediatric Cardiology (1988)
» Download PDF (57 KB)

搜索結果（僅限預覽）：

1. 預覽結果將以黃色背景顯示
2. 如果您只想看到許可權範圍內的搜索結果，取消黃色框上的勾選

搜索結果頁面



The screenshot shows the Springer search results page for the query "pediatric cardiology". The search bar at the top contains the query and a "New Search" button. Below the search bar, there is a "Home" link and a "Refine Your Search" section. The "Refine Your Search" section includes a "Content Type" filter with a dropdown menu set to "Relevance" and a "Date Published" filter. The "Content Type" filter is highlighted with a red box and contains the following options:

Content Type	Count
Article	7,958
Chapter	969
Reference Work Entry	30
Protocol	11
Book	7
Journal	7

The "Discipline" filter is also visible, with options like Medicine (8,184), Biomedical Sciences (568), Life Sciences (98), Chemistry (75), and Engineering (7). The "Subdiscipline" filter is also visible, with options like Cardiology & Angiology (4,938), Surgery (2,956), Pediatrics (2,314), and Internal Medicine (1,867). The search results section shows 3,976 results for "pediatric cardiology". A yellow banner indicates that the search also matched 2,299 locked results, with a link to "Also show locked results". The first three results are highlighted with a red box:

- Article: [Pediatric cardiology reviewer acknowledgments](#) (1992) - Download PDF (85 KB)
- Article: [Pediatric cardiology reviewer acknowledgments](#) (1988) - Download PDF (57 KB)
- Article: [Upcoming Events in Pediatric Cardiology](#) (2011) - Download PDF (58 KB) - View Article

搜索結果：

您可以在頁面右下角找到搜索結果列表

在預設情況下，將只顯示許可權範圍內的搜索結果

如果您想看許可權以外的搜索結果，您可以勾選黃色區域內的過濾選項，被鎖住的內容也會被列出來

搜索結果頁面

Article (1)

DOE Bioenergy Center Special Issue: The Great Lakes Bioenergy Research Center (GLBRC) (2)

This issue of **BioEnergy Research**...is the second of three special issues to feature work from the US Department of Energy **Bioenergy** Centers. This special issue is focused on **research** supported by the Great Lakes (3)

Michael D. Casler in *BioEnergy Research* (2010) (5)

» [Download PDF](#) (60 KB) » [View Article](#) (6)

Article

The DOE BioEnergy Science Center—a U.S. Department of Energy Bioenergy Research Center

The **BioEnergy** Science Center, a nationally and internationally peer ... as a U.S. Department of Energy **Bioenergy Research** Center. This Oak Ridge National Laboratory-led ... for its significant contributions in th... Russ Miller, Martin Keller in *In Vitro Cellular & Developmental Biology - Plant* (2009)

» [Download PDF](#) (308 KB) » [View Article](#)

Article

The US Department of Energy Great Lakes Bioenergy Research Center: Midwestern Biomass as a Resource for Renewable Fuels

The Great Lakes **Bioenergy Research** Center is one of three **Bioenergy Research** Centers establish by the US Department of ... of liquid fuels derived from biomass. The **research** is focused on converting plant biomass...

Steven Slater, Kenneth Keegstra, Timothy J. Donohue in *BioEnergy Research* (2010)

» [Download PDF](#) (87 KB) » [View Article](#)

搜索結果頁面的清單結構:

1. 內容類別
2. 內容標題
3. 內容描述
4. 所列內容的作者
5. 在何處以何種產品形式出版
6. 全文下載PDF或以HTML格式瀏覽

搜索結果頁面

Chapter (1)

MRSA in der Phlebologie

Chronische Ulzera mit den Problemen der Superinfektion sind in der Phlebologie ein altbekanntes und hinreichend gewürdigtes Problem. Mit der zunehmenden Verbreitung multiresistenter Keime hat dieses Problem...

Dr. med. H. Nüllen, Dr. med. U. Kamphausen... in *Diagnostik und Therapie der Varikose* (2010)

» [Download PDF](#) (118 KB)

Article

Appearance of Methicillin-Resistant *Staphylococcus Aureus* (MRSA) Sensitive to Gentamicin in a Hospital with a Previous Endemic Distinct MRSA

Fei Gao, David Machin in *European Journal of Epidemiology* (2004)

» [Download PDF](#) (57 KB)

Chapter

Community-Acquired MRSA (CA-MRSA)

Lexikon der Infektionskrankheiten des Menschen (2009)

» [Download PDF](#) (85 KB)

Book

Methicillin-Resistant *Staphylococcus aureus* (MRSA) Protocols

Yinduo Ji in *Methods in Molecular Biology* (2007)



內容類別

搜索結果將會有以下類型 (1) :

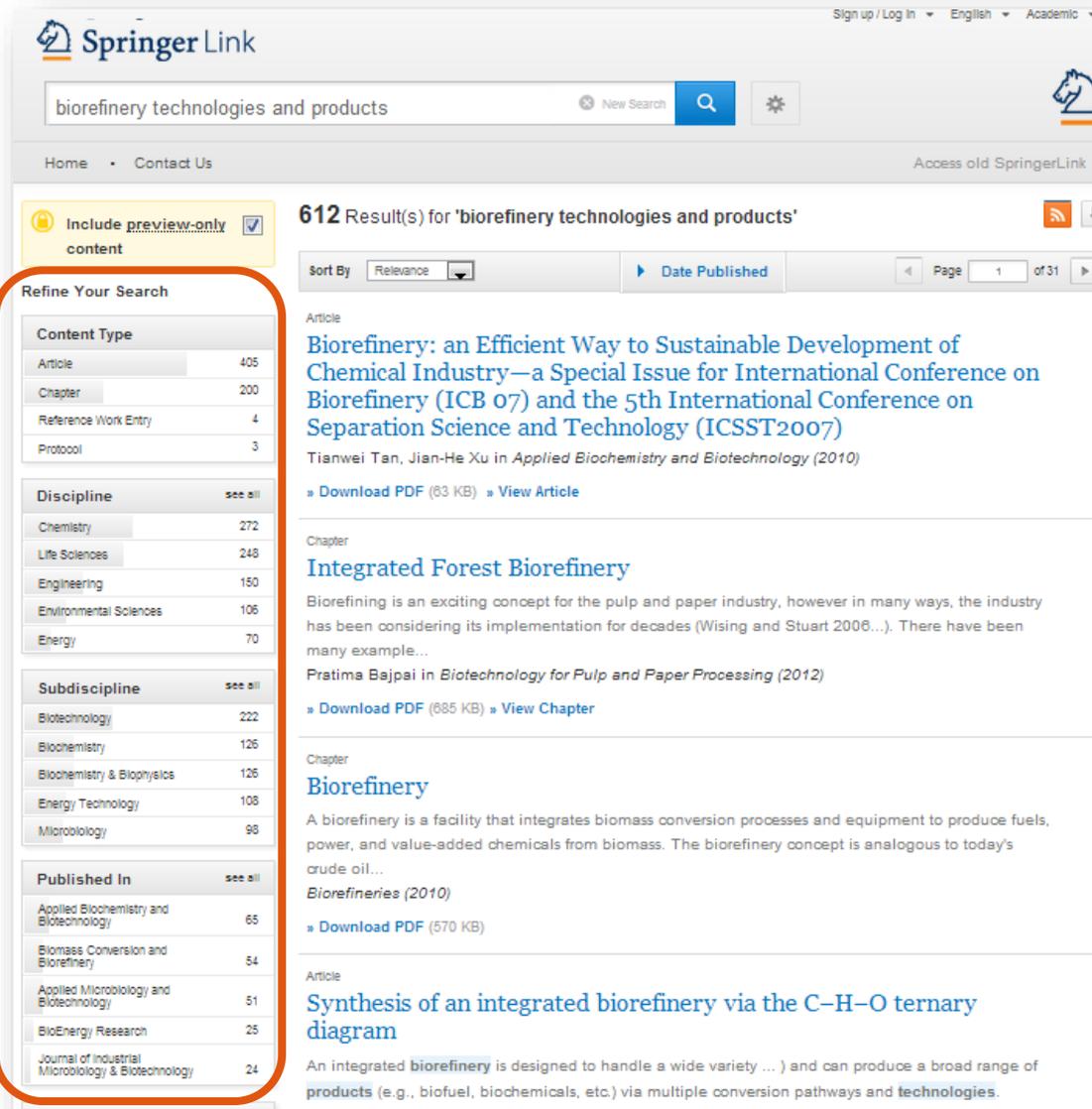
較大的分類:

- 叢書 (圖書)
- 圖書 (章節或指南)
- 期刊 (文章)
- 參考工具書

細分:

- 章節
- 指南
- 文章
- 參考工具書條目

搜索結果頁面



Springer Link

biorefinery technologies and products

Home · Contact Us

612 Result(s) for 'biorefinery technologies and products'

Sort By: Relevance | Date Published

Page 1 of 31

Include preview-only content

Refine Your Search

Content Type

Article	405
Chapter	200
Reference Work Entry	4
Protocol	3

Discipline [see all](#)

Chemistry	272
Life Sciences	248
Engineering	150
Environmental Sciences	106
Energy	70

Subdiscipline [see all](#)

Biotechnology	222
Biochemistry	126
Biochemistry & Biophysics	126
Energy Technology	108
Microbiology	98

Published In [see all](#)

Applied Biochemistry and Biotechnology	65
Biomass Conversion and Biorefinery	54
Applied Microbiology and Biotechnology	51
BioEnergy Research	25
Journal of Industrial Microbiology & Biotechnology	24

Article

Biorefinery: an Efficient Way to Sustainable Development of Chemical Industry—a Special Issue for International Conference on Biorefinery (ICB 07) and the 5th International Conference on Separation Science and Technology (ICSST2007)

Tianwei Tan, Jian-He Xu in *Applied Biochemistry and Biotechnology* (2010)

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Chapter

Integrated Forest Biorefinery

Biorefining is an exciting concept for the pulp and paper industry, however in many ways, the industry has been considering its implementation for decades (Wising and Stuart 2006...). There have been many example...

Pratima Bajpai in *Biotechnology for Pulp and Paper Processing* (2012)

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Biorefinery

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Biorefineries (2010)

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Synthesis of an integrated biorefinery via the C–H–O ternary diagram

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M. Aapro in *Cancer du sein* (2007)

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K. Münstedt in *Der Gynäkologe* (2002)

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dr. E.E. Stobberingh in *Vademecum permanente nascholing huisartsen (2006)*
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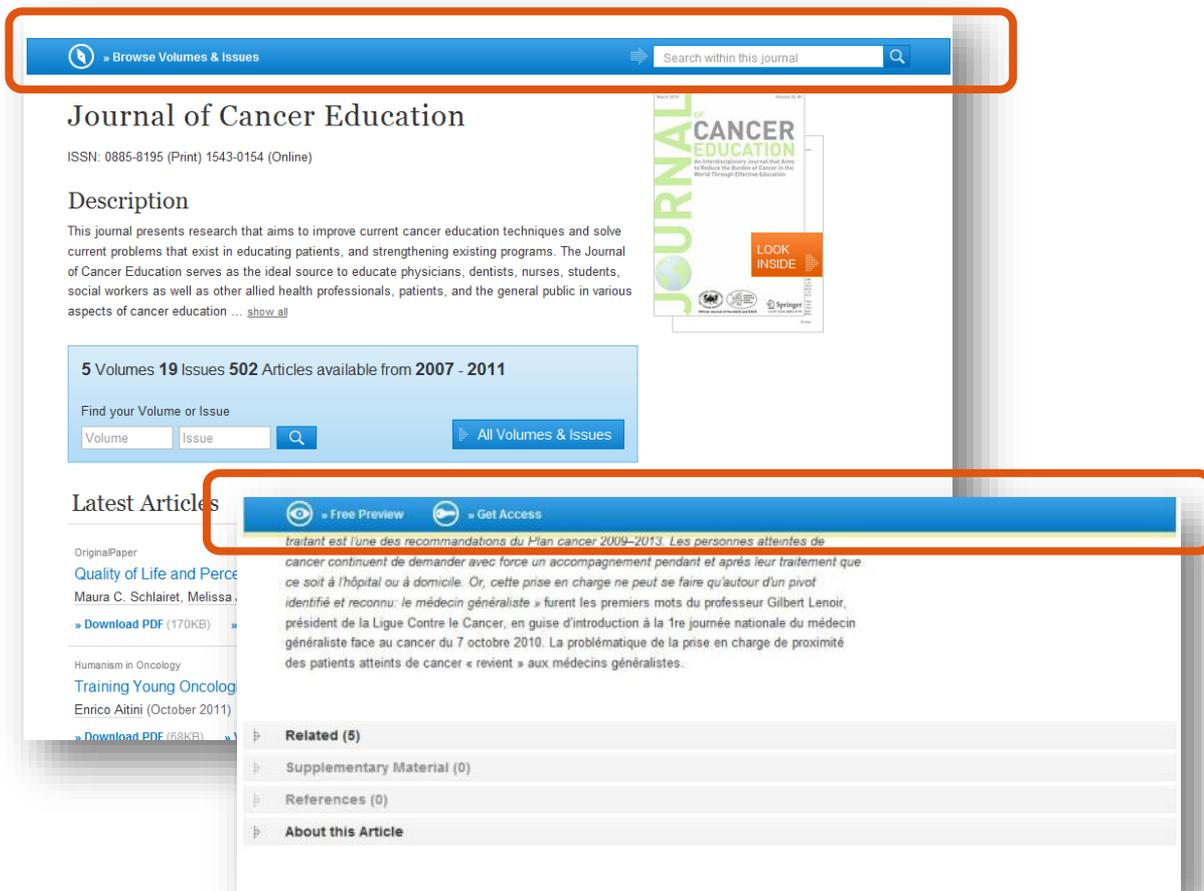
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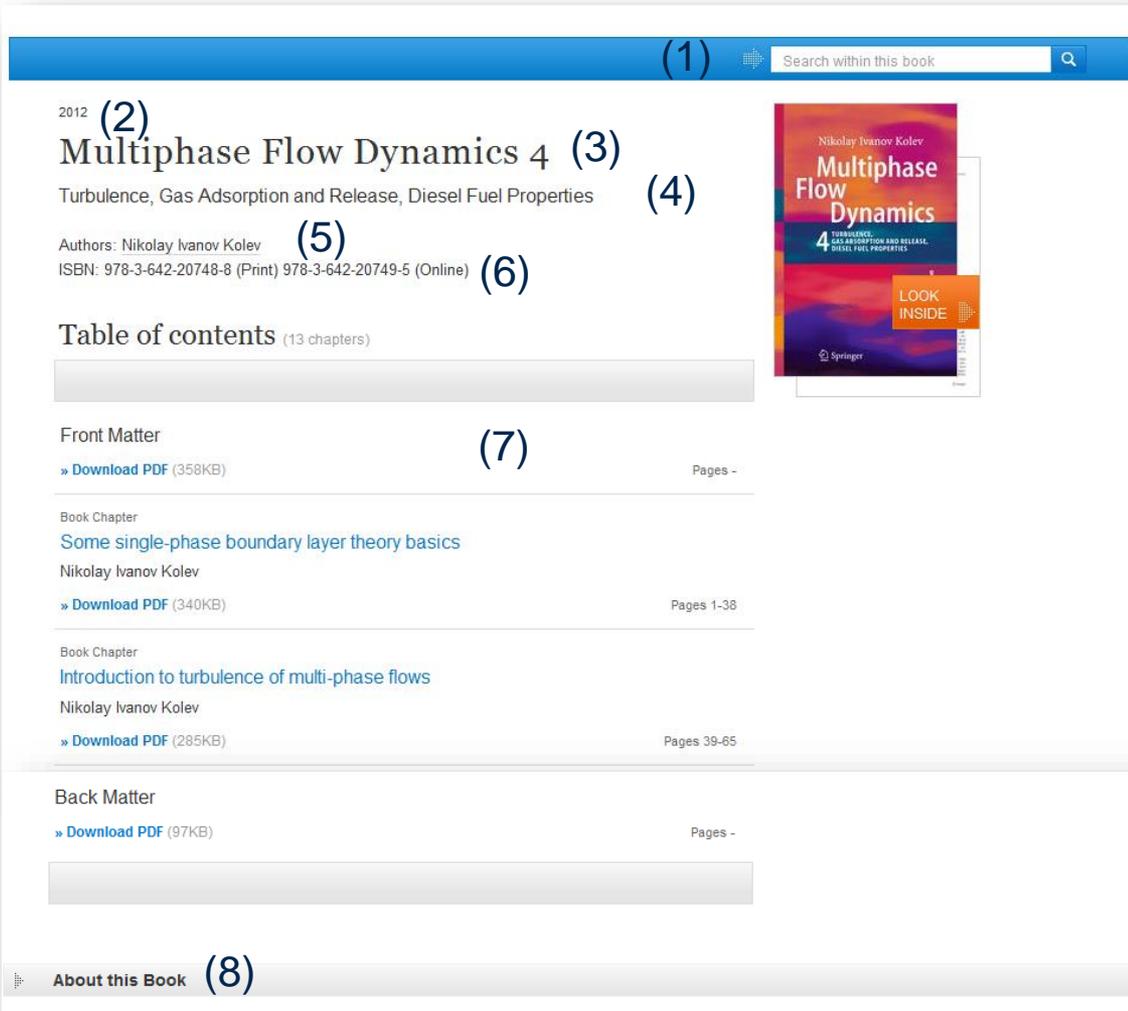
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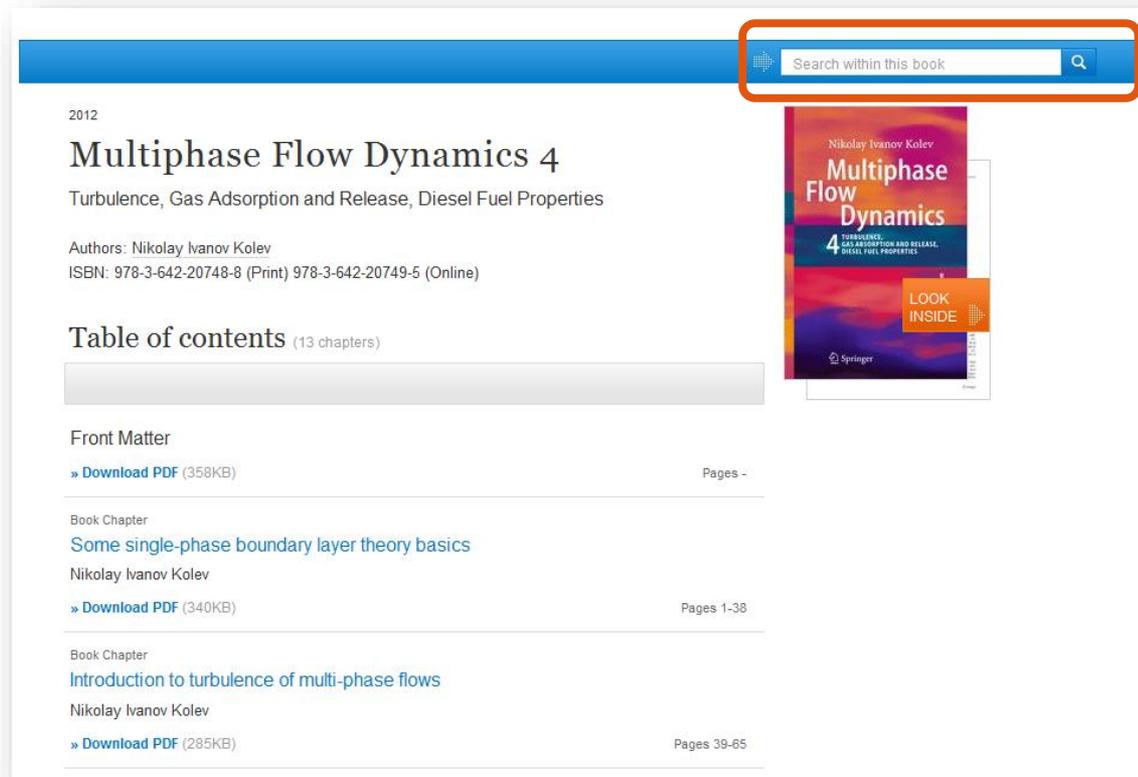
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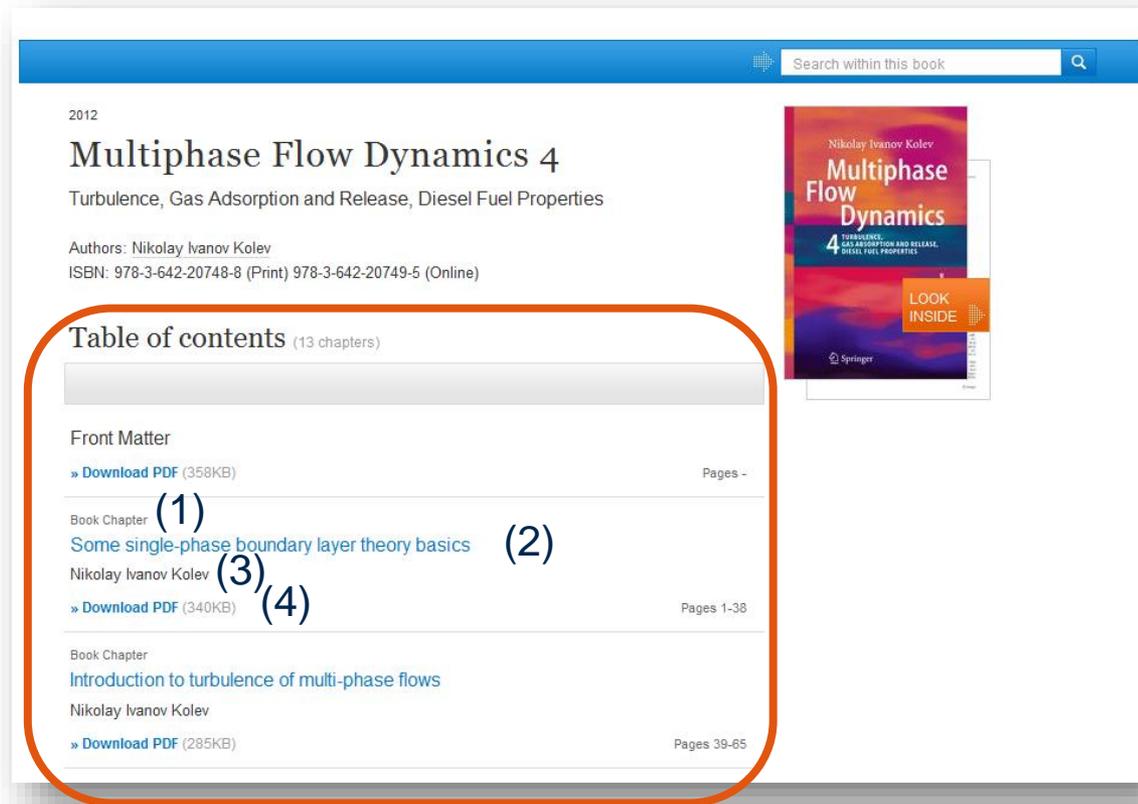
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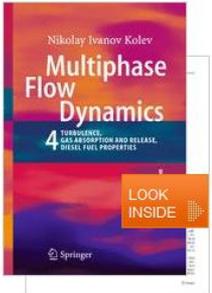
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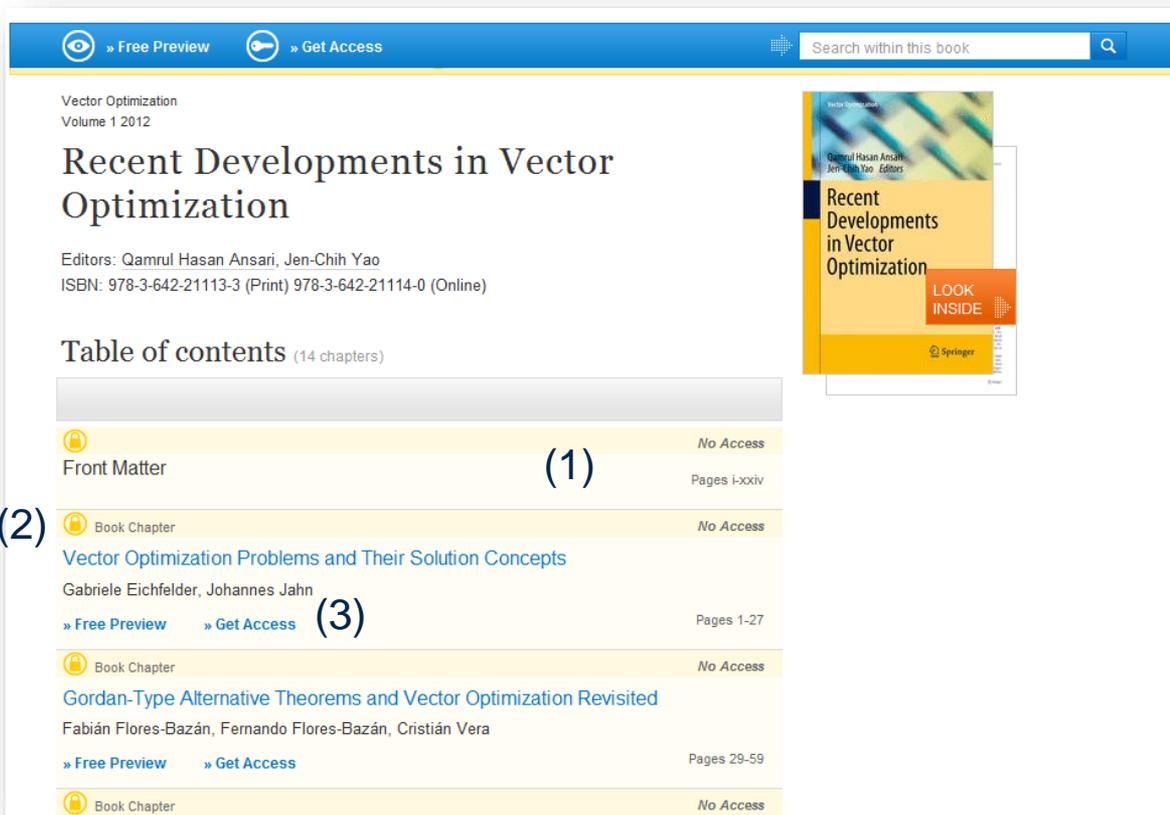
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Editors: Qamrul Hasan Ansari, Jen-Chih Yao
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Fabio Alessi, Mariangiola Dezani-Ciancaglini, Furio Honsell

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Recent Developments in Vector Optimization
Vector Optimization Volume 1, 2012, pp 1-27

Vector Optimization Problems and Their Solution Concepts

Gabriele Eichfelder, Johannes Jahn

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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.

(3)



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