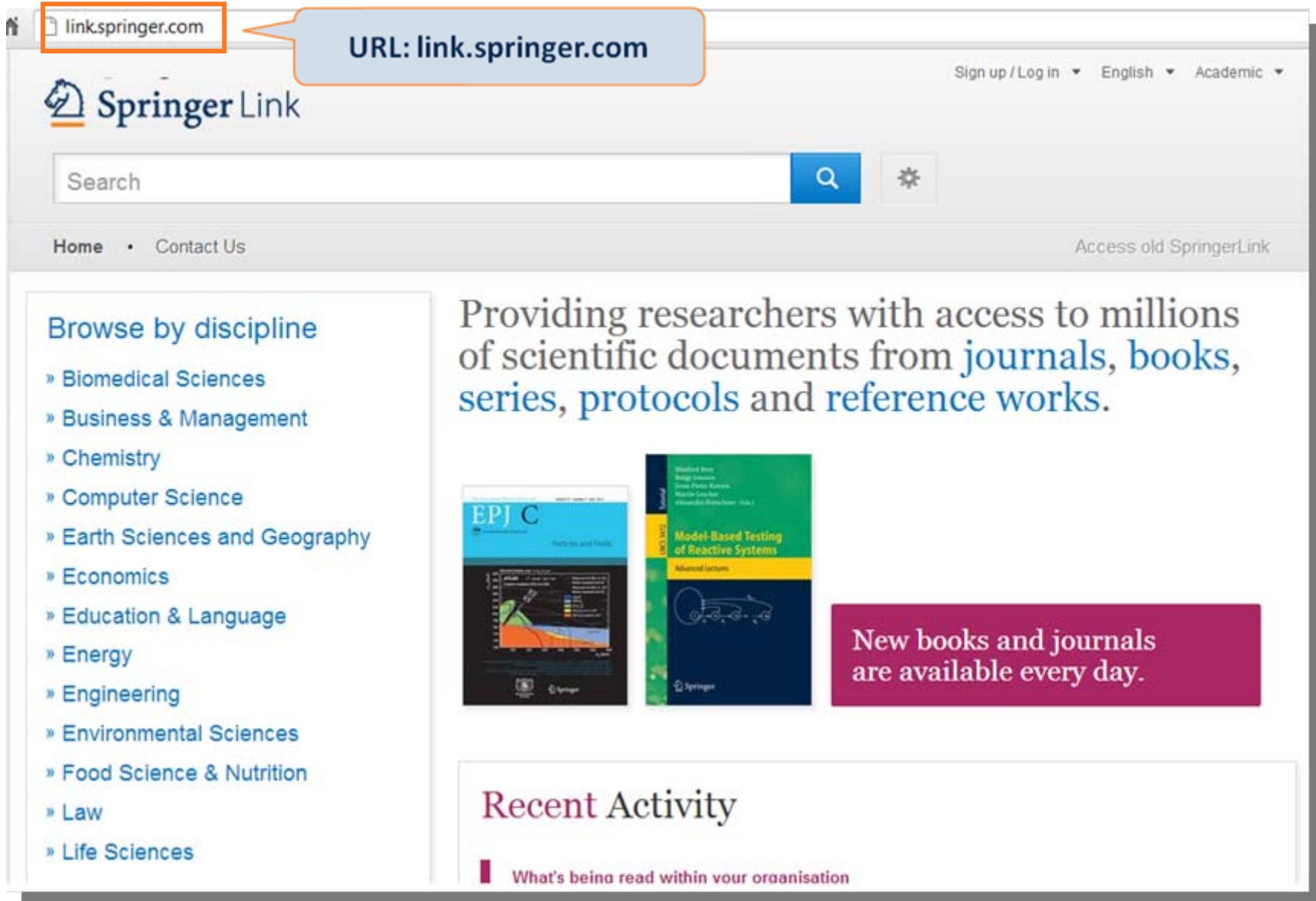




SpringerLink

Ran Schweitzer - March 2014



The screenshot shows the SpringerLink website. The browser's address bar displays 'link.springer.com', which is highlighted with an orange box. A blue callout bubble points to this box with the text 'URL: link.springer.com'. The website header features the SpringerLink logo, a search bar, and navigation links for 'Sign up / Log in', 'English', and 'Academic'. Below the header, there are links for 'Home' and 'Contact Us', and a link to 'Access old SpringerLink'. The main content area is divided into two sections. On the left, under the heading 'Browse by discipline', there is a list of academic fields: Biomedical Sciences, Business & Management, Chemistry, Computer Science, Earth Sciences and Geography, Economics, Education & Language, Energy, Engineering, Environmental Sciences, Food Science & Nutrition, Law, and Life Sciences. On the right, a large text block states: 'Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works.' Below this text are two book covers: 'EPJ C' and 'Model-Based Testing of Reactive Systems'. To the right of the book covers is a purple box with the text 'New books and journals are available every day.' At the bottom, there is a section titled 'Recent Activity' with the subtitle 'What's being read within your organisation'.

link.springer.com

URL: link.springer.com

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
- » Law
- » Life Sciences

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

EPJ C

Model-Based Testing of Reactive Systems

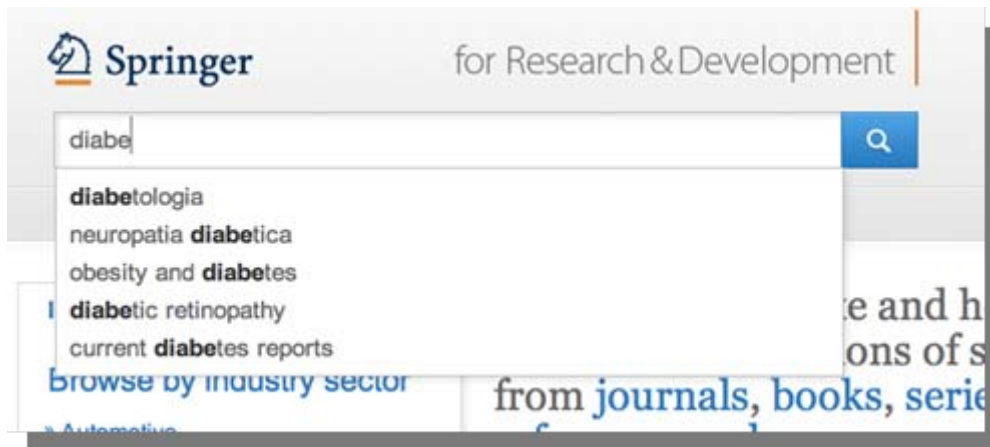
New books and journals are available every day.

Recent Activity

What's being read within your organisation

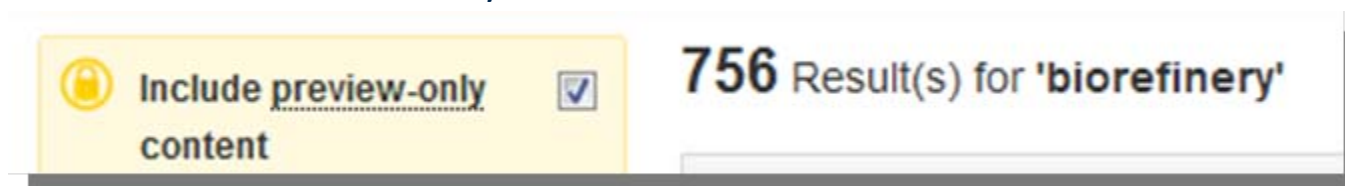
Highlighted features:

Auto-suggest in search (based on Google keyword data)



Two page
preview of
every
document

Limit search results to only accessible content



And more features

Links directly to sections of HTML

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 patient characteristics.

Table 1 Baseline demographics and clinical characteristics

Baseline characteristics
Patients evaluable/enrolled
Gender: Female %

Improved 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 as determined by nuclear magnetic resonance (NMR), strive to determine complete and accurate states of macromolecules. This review combines solution-scattering data with high-resolution structural methods used to calculate theoretical SAXS profiles. To enhance detail, the knowledge gained from ensemble methods, X-ray crystallography, NMR, and computational techniques is discussed.

Keywords Small-angle X-ray scattering (SAXS)

Special Issue: Scattering techniques in biology

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

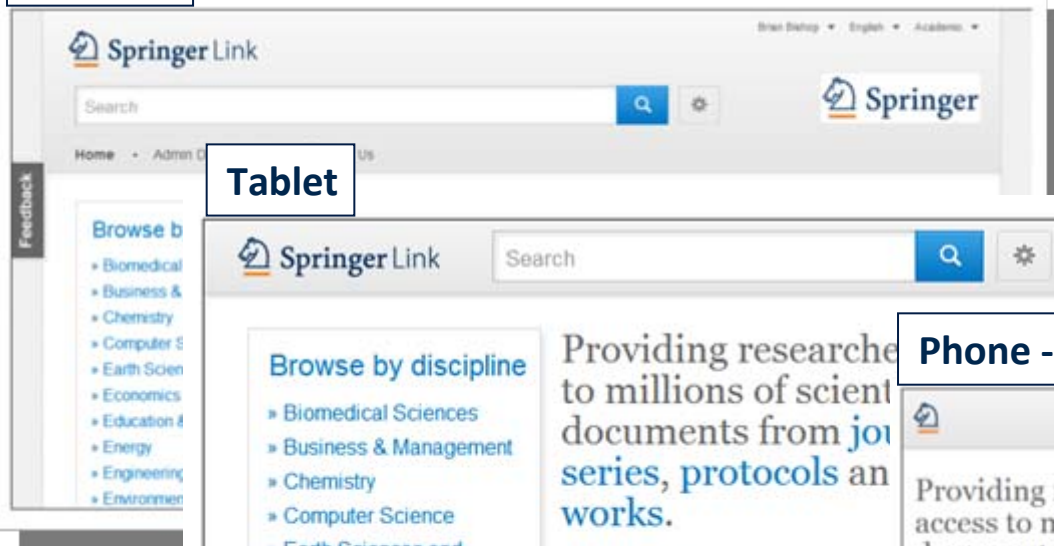
Abstract

The dynamics of macromolecular conformations are critical to the action of cellular processes. This review discusses the challenges of determining complete and accurate states of macromolecules. In combination with macromolecular X-ray crystallography (MX), nuclear magnetic resonance (NMR), strive to determine complete and accurate states of macromolecules. This review addresses theoretical and practical concepts, concerns, and considerations in the use of small-angle X-ray scattering (SAXS) in conjunction with computational methods to productively combine solution and 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 theoretical SAXS profiles. The SAXS profile is a direct interrogation of the macromolecular conformation and techniques such as, for example, minimal ensemble search (MES), enhance the power of SAXS experiments by describing the SAXS profiles as population-weighted thermodynamic ensembles. Recent developments in computational techniques used for conformational sampling and analysis provide a basis for assessing the level of the flexibility within a sample. These approaches sacrifice atomic detail, the knowledge gained from ensemble analysis, and the ability to develop hypotheses and guiding biochemical experiments. Examples of the use of SAXS in combination with computational methods to productively combine solution and high-resolution structures are discussed.

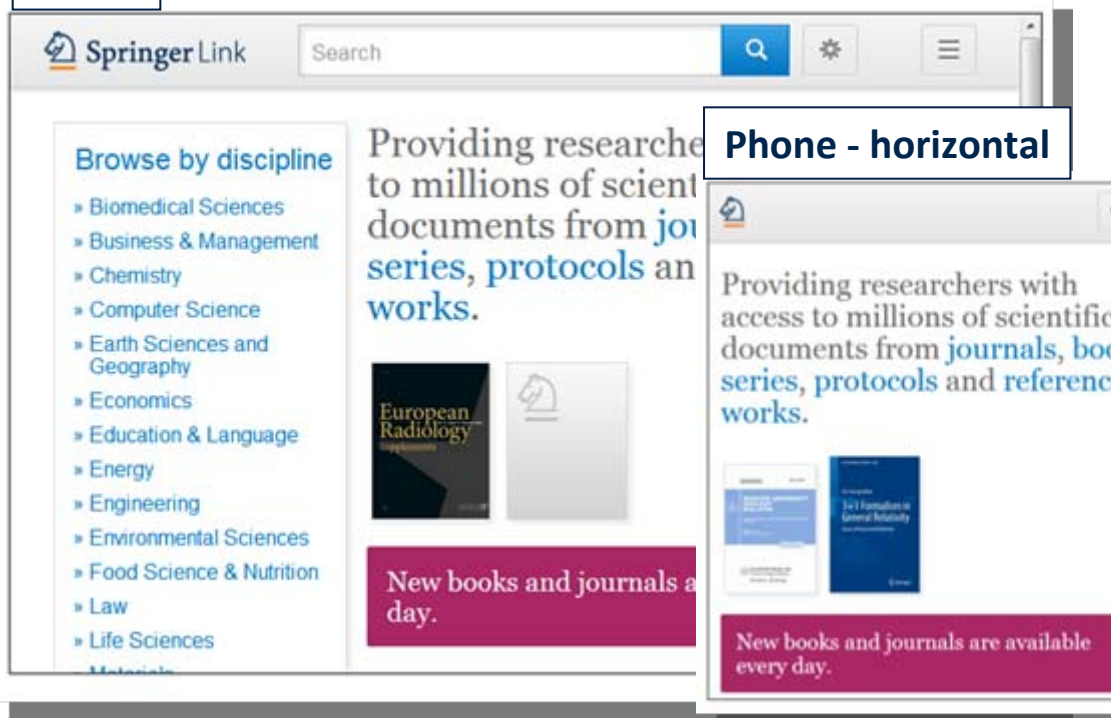
Our platform is mobile optimized

- Web responsive design allows for optimal viewing on all devices

Desktop



Tablet



Phone - horizontal



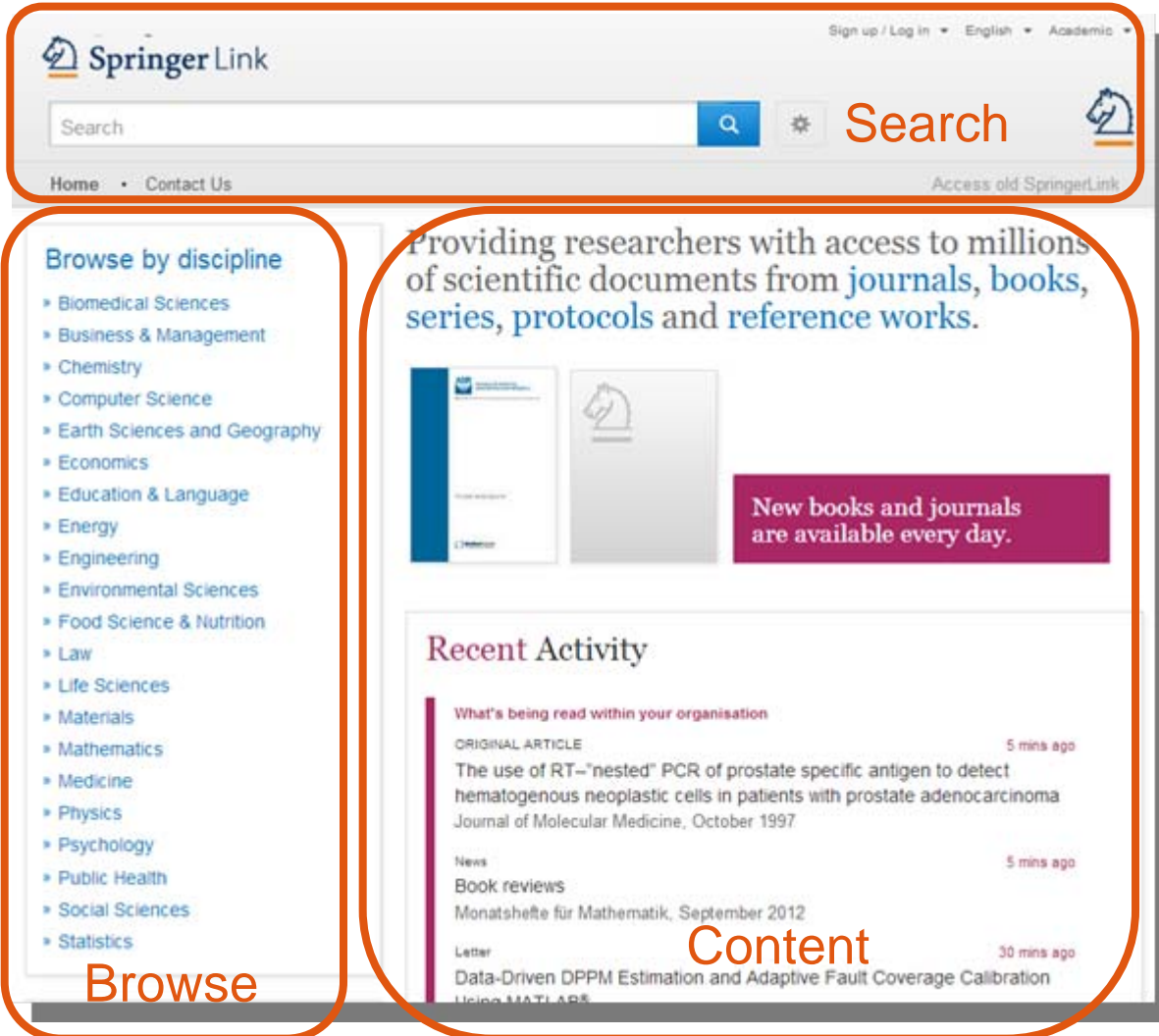
Phone - vertical



Homepage

- 3 Parts: Search – Browse – Content
- Color scheme for recognized or anonymous user
- Becoming recognized
- Anonymous User
- Company User
- Company Logo
- Search functionality
- Browse by sector of industry
- Browse by type of content

Homepage



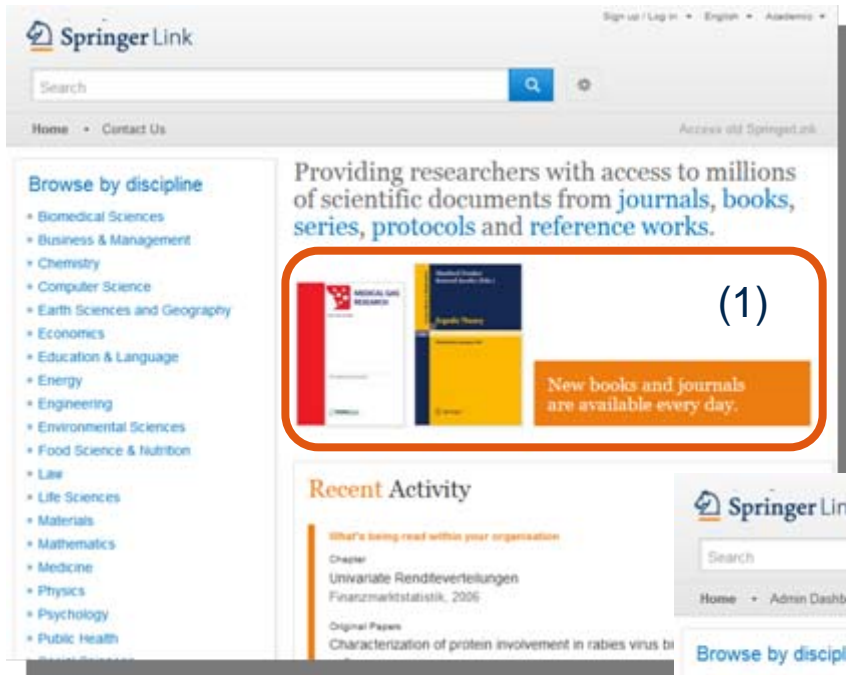
The screenshot shows the SpringerLink homepage. At the top, there is a navigation bar with the SpringerLink logo, a search bar, and links for Sign up / Log in, English, and Academic. Below the navigation bar, the homepage is divided into three main sections, each highlighted with an orange box:

- Search:** The top section, containing the search bar and the "Search" button.
- Browse:** The left sidebar, titled "Browse by discipline", listing various scientific fields such as 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.
- Content:** The main content area, featuring a large banner with the text "Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works." and a section titled "Recent Activity" listing various articles and books.

The homepage is divided into 3 parts:

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

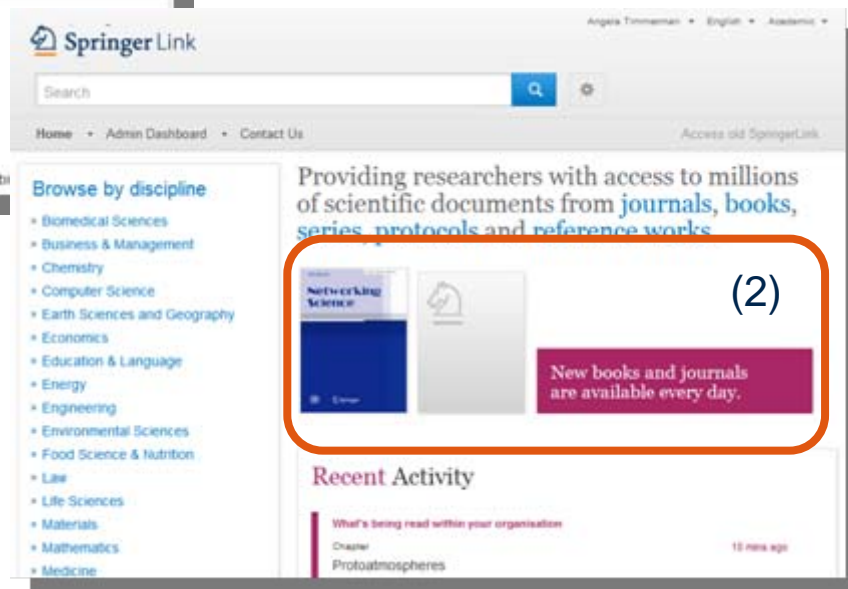
Homepage



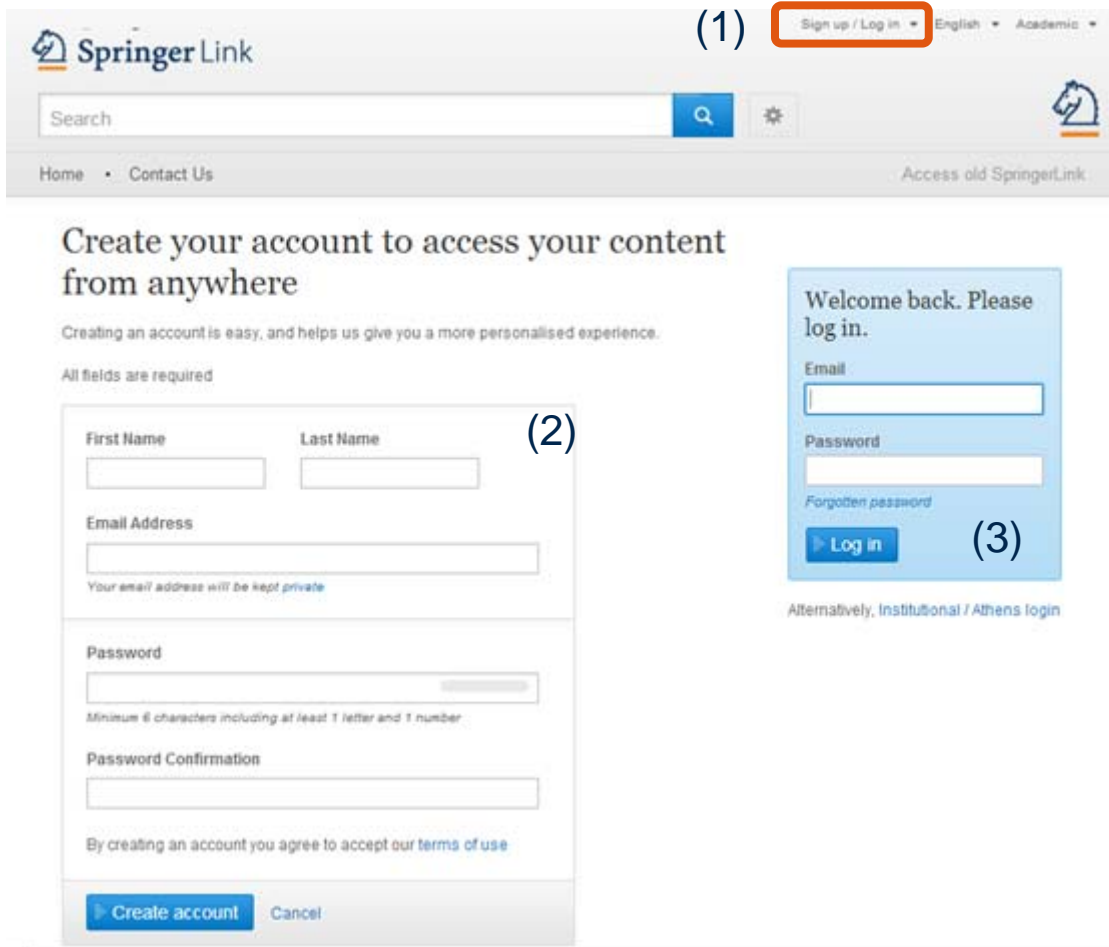
Content Area

Within the content area there is a **color scheme** to signalize if a user is recognized or not:

1. The **color orange** stands for an **anonymous user**.
2. The **color pink** stands for a **recognized user**.



Homepage: Recognized vs Anonymous User



The screenshot shows the SpringerLink homepage. At the top, there is a navigation bar with the SpringerLink logo, a search bar, and links for 'Sign up / Log in', 'English', and 'Academic'. Below the navigation bar, there is a main content area. On the left, there is a section titled 'Create your account to access your content from anywhere' with a subtext 'Creating an account is easy, and helps us give you a more personalised experience.' and a note 'All fields are required'. This section contains form fields for 'First Name', 'Last Name', 'Email Address', 'Password', and 'Password Confirmation'. On the right, there is a section titled 'Welcome back. Please log in.' with form fields for 'Email' and 'Password', a 'Log in' button, and a link for 'Forgotten password'. Below the login section, there is a link for 'Alternatively, Institutional / Athens login'.

(1) Sign up / Log in

(2) Create your account to access your content from anywhere

(3) Welcome back. Please log in.

Becoming Recognized

When a user visits <http://link.springer.com>

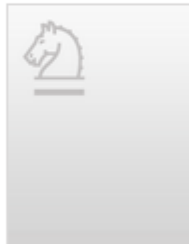
from a recognized IP range, they're automatically recognized as part of that institution.

Users can also be recognized by logging in with their email and password.

1. Click on Sign Up/Login
2. Sign up to create an account
3. Or log in to your collection from anywhere in the world.

Homepage –Anonymous user

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

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

Anonymous User:

If you enter the site as an anonymous user also the “**Activity**” box is colored in orange.

In that area you get the **most recent overall downloads** listed.

Homepage – Recognized institutional user

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



Institutional User:

If you enter the site as company user the “**Activity**” box is colored in pink.

In that area you see the **most recent downloads within your institution** listed.

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

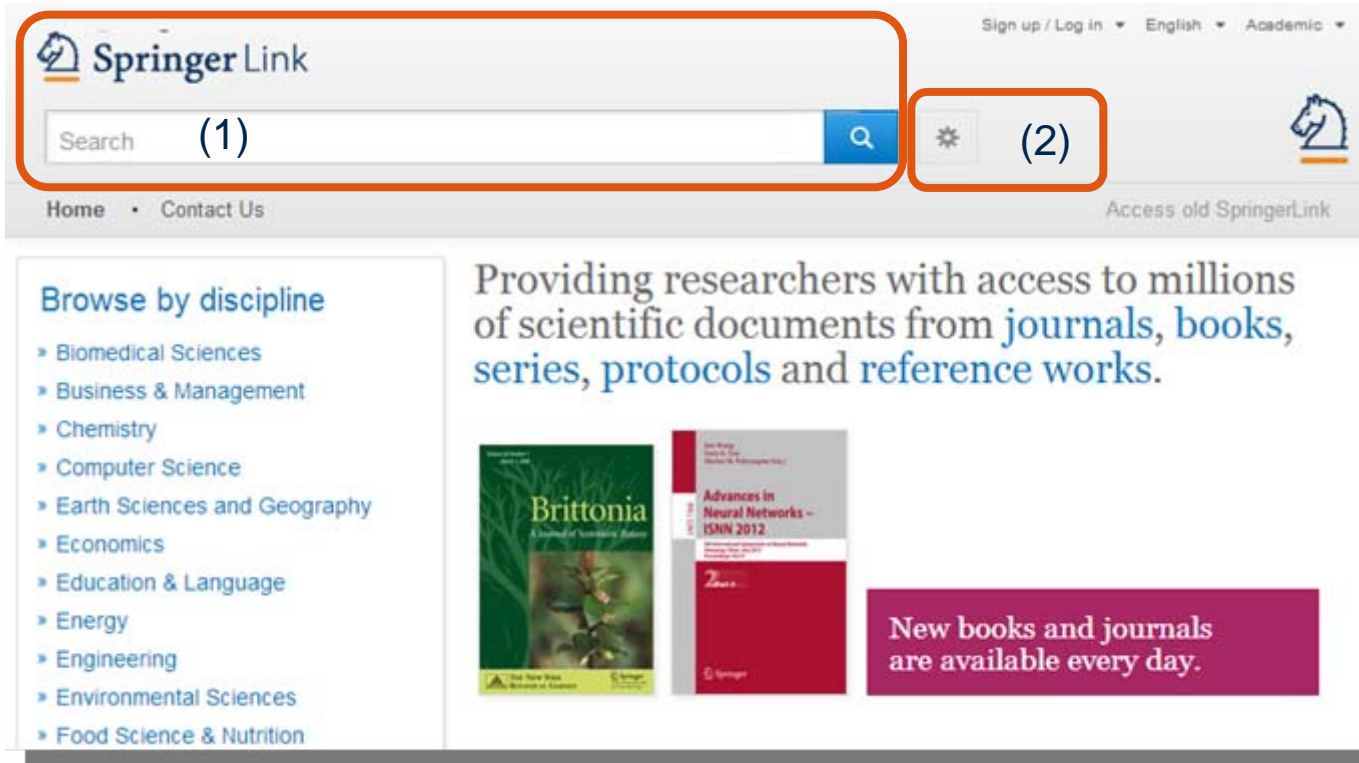
On the origin of *Solanum nigrum*: can networks help?
Molecular Biology Reports, February 2011

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

Search



The screenshot shows the SpringerLink website. At the top, there is a navigation bar with links for 'Sign up / Log in', 'English', and 'Academic'. Below this is a search bar labeled 'Springer Link' with a search icon and a settings icon. The search bar is highlighted with an orange box and labeled (1). The settings icon is also highlighted with an orange box and labeled (2). Below the search bar, there is a list of disciplines to browse, including Biomedical Sciences, Business & Management, Chemistry, Computer Science, Earth Sciences and Geography, Economics, Education & Language, Energy, Engineering, Environmental Sciences, and Food Science & Nutrition. The main content area features a large text block stating 'Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works.' Below this text are two book covers: 'Brittonia' and 'Advances in Neural Networks - ISSN 2012'. A purple box at the bottom right of the main content area states 'New books and journals are available every day.'

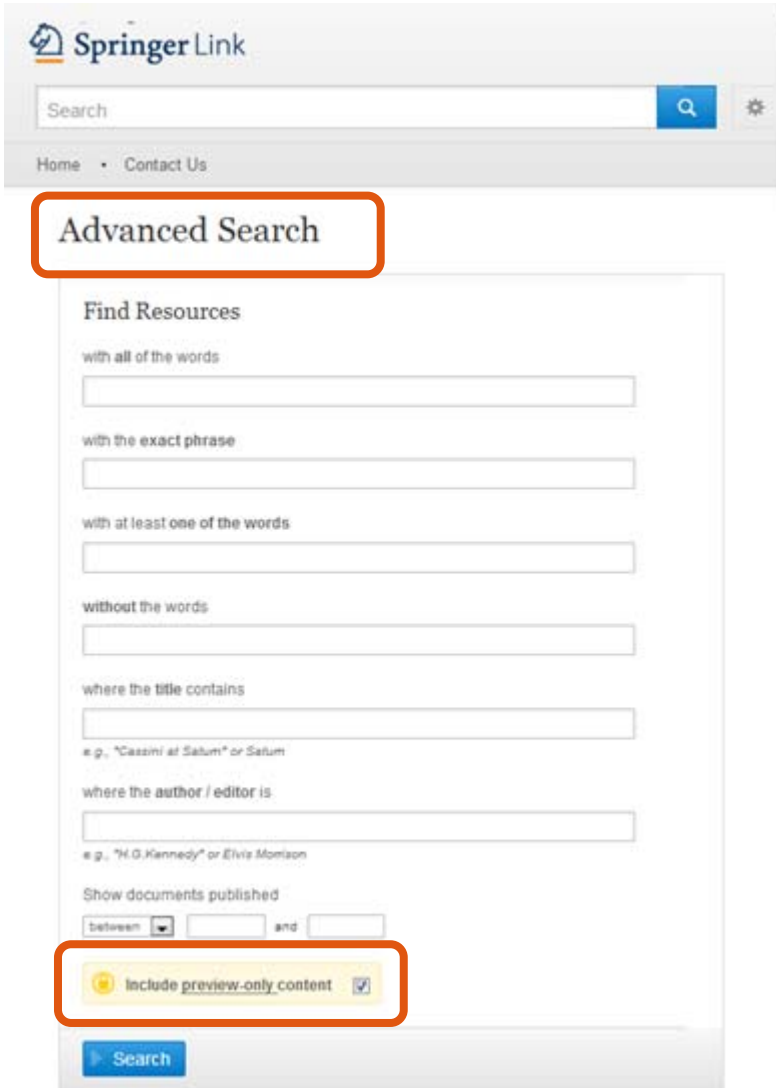
Search:

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

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

2. Advance search options & search help are available as well.

Advance search options



The screenshot shows the SpringerLink Advanced Search page. At the top, there is a search bar with a magnifying glass icon and a gear icon for settings. Below the search bar are links for "Home" and "Contact Us". The main section is titled "Advanced Search" and contains a "Find Resources" form. This form has several input fields for different search criteria: "with all of the words", "with the exact phrase", "with at least one of the words", "without the words", "where the title contains", and "where the author / editor is". Each field has a corresponding example below it. At the bottom of the form, there is a section for "Show documents published" with a dropdown menu set to "between" and two input fields for dates. A checkbox labeled "include preview-only content" is checked. A blue "Search" button is at the bottom right of the form.

Springer Link

Search

Home • Contact Us

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

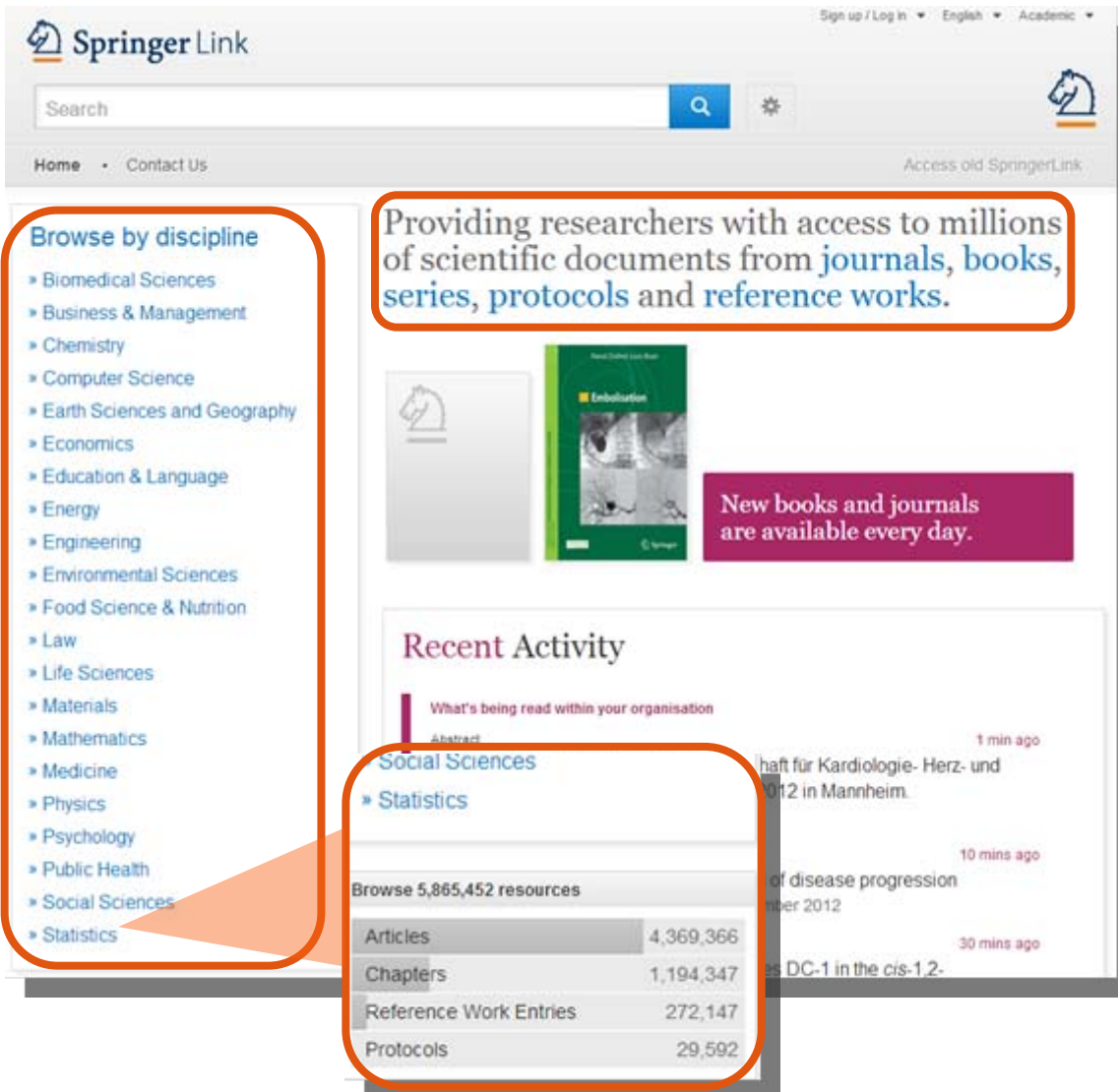
between and

☒ include preview-only content

Search

Further narrow searches by using the Advance Search options. Users can also limit their search to only content accessible to their institution.

Browse



The screenshot shows the SpringerLink Browse page. On the left, a sidebar titled "Browse by discipline" lists various fields of study. The main content area features a banner for "Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works." Below this is a "Recent Activity" section showing what's being read within the organization, with a list of content types and their counts. A callout box highlights the "Statistics" entry in the list.

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**.

Recent Activity

What's being read within your organisation

Social Sciences

- » **Statistics**

Browse 5,865,452 resources

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

Browse:

The browse functionality to the left is divided into **disciplines**.

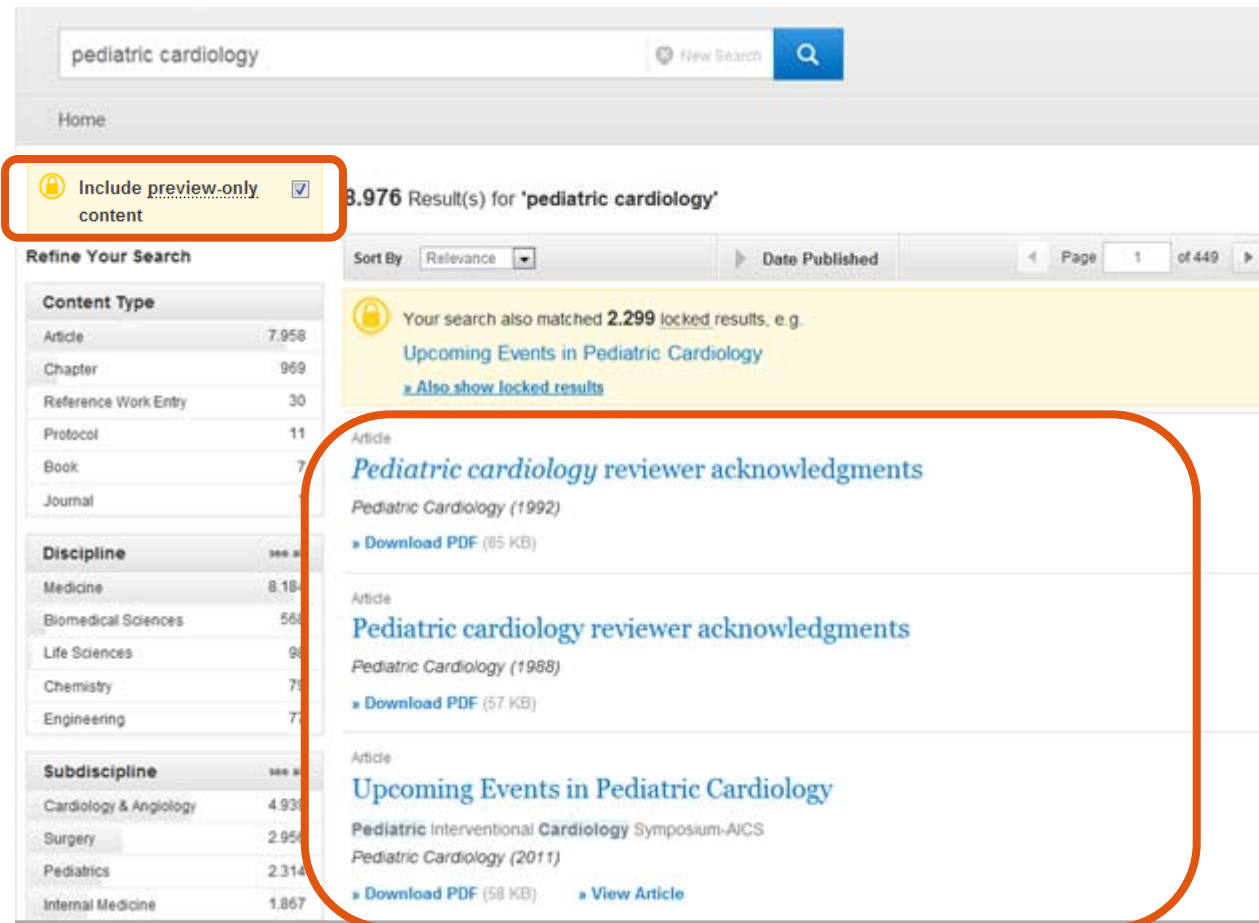
If you click on the topic of your choice you will end up on the entry page for your discipline.

You can also browse by content type.

Below the discipline navigation you find a list of smallest content types:

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

Search results page



pediatric cardiology

Home

Include preview-only content ☒

3,976 Result(s) for 'pediatric cardiology'

Sort By: Relevance Date Published Page 1 of 449

Your search also matched 2,299 locked results, e.g. Upcoming Events in Pediatric Cardiology. [Also show locked results](#)

Refine Your Search

Content Type

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

Discipline

Discipline	Count
Medicine	8,188
Biomedical Sciences	568
Life Sciences	98
Chemistry	75
Engineering	7

Subdiscipline

Subdiscipline	Count
Cardiology & Angiology	4,938
Surgery	2,958
Pediatrics	2,314
Internal Medicine	1,867

Article

Pediatric cardiology reviewer acknowledgments

Pediatric Cardiology (1992)

Download PDF (85 KB)

Article

Pediatric cardiology reviewer acknowledgments

Pediatric Cardiology (1988)

Download PDF (57 KB)

Article

Upcoming Events in Pediatric Cardiology

Pediatric Interventional Cardiology Symposium-AJCS

Pediatric Cardiology (2011)

Download PDF (58 KB) View Article

Search Results:

To the right you get your search results listed.


By default you only get results displayed that you have access to.

If you like to see also results you have no access to, you have to check the yellow box above the search result filter options to the right.

Then also locked results will be listed.

Search Results Page

(2)

 Include preview-only content ☒

Refine Your Search


Content Type	
Article	9,880
Chapter	1,338
Reference Work Entry	32
Protocol	15
Book	8
Journal	1

Discipline	see all	
Medicine		8,301
Biomedical Sciences		581
Life Sciences		101
Chemistry		79
Engineering		77

Subdiscipline	see all	
Cardiology & Angiology		4,939
Surgery		2,991
Pediatrics		2,329
Internal Medicine		1,905

11,275 Result(s) for 'pediatric cardiology'

Sort By Relevance Date Published Page 1 of 564

 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 \(57 KB\)](#)

Preview-only Results:

1. Preview-only results are displayed with the color yellow in the background.
2. If you only want to see only results you have access to uncheck the yellow box above the search filters.

Search results page

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

Structure of list items within a search result page:

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

Search results page

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)



Type of content

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

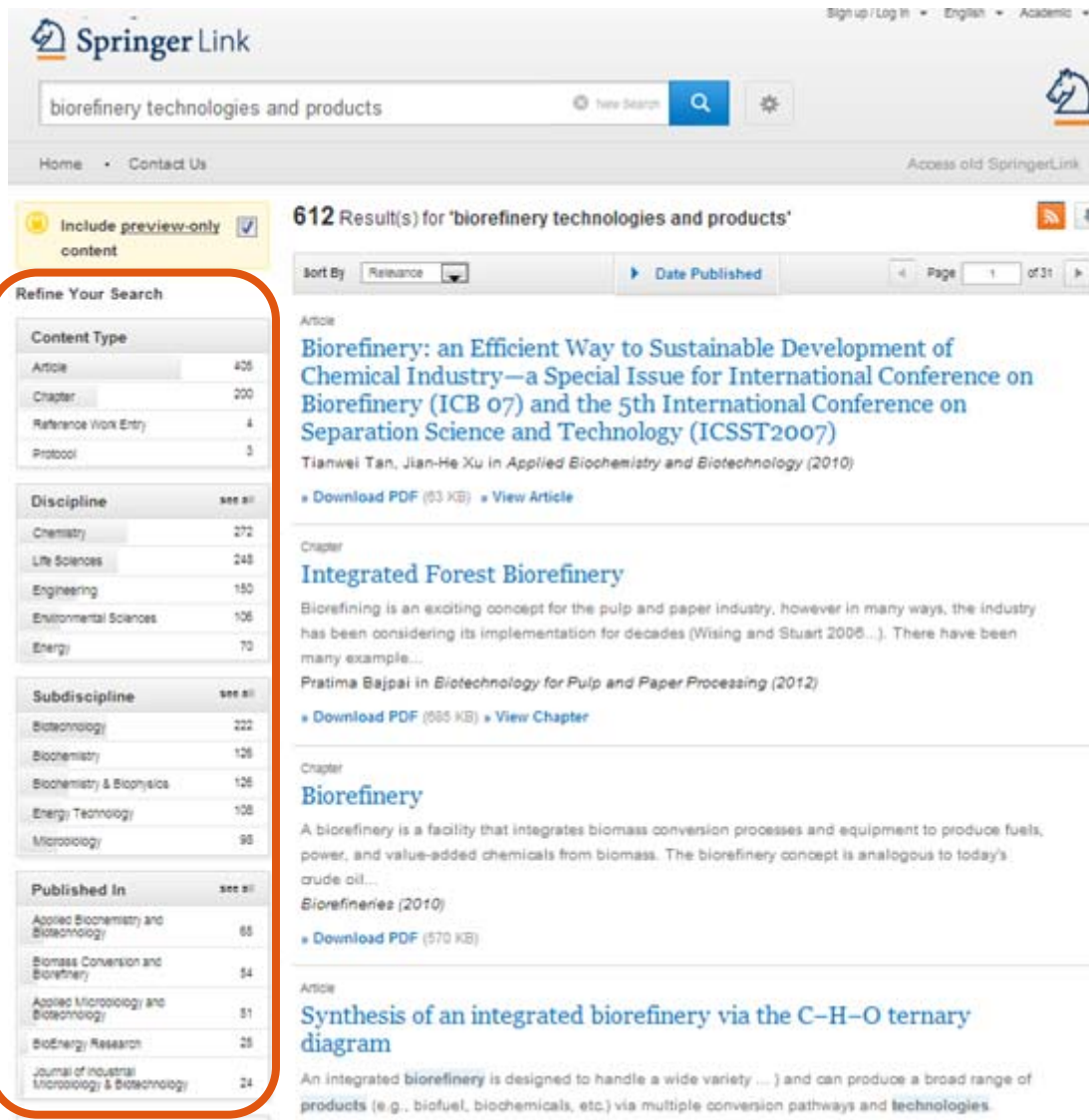
Bigger Units:

- 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 Results Page



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

Refine Your Search

Content Type

Article	406
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	128
Biochemistry & Biophysics	126
Energy Technology	108
Microbiology	98

Published In see all

Applied Biochemistry and Biotechnology	66
Biomass Conversion and Biorefinery	54
Applied Microbiology and Biotechnology	51
BioEnergy Research	28
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)

• Download PDF (63 KB) • View Article

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)

• Download PDF (685 KB) • View Chapter

Chapter

Biorefinery

A biorefinery is a facility that integrates biomass conversion processes and equipment to produce fuels, power, and value-added chemicals from biomass. The biorefinery concept is analogous to today's crude oil...

Biorefineries (2010)

• Download PDF (570 KB)

Article

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

An integrated biorefinery is designed to handle a wide variety ...) and can produce a broad range of products (e.g., biofuel, biochemicals, etc.) via multiple conversion pathways and technologies.

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
- Subdiscipline
- Published in
- Author
- Language

Search Results Page

253.840 Result(s) for 'oncology'



Sort By: Relevance (selected), Date Published, Page 1 of 12,692

Chapter: Comprendre le score gériatrique: recommandations de la « Task Force on CGA of the International Society of Geriatric Oncology (SIOG) »

Un quart des Européens aura plus de 65 ans d'ici 2030, et dans ce segment l'incidence des cancers augmente à 11 fois celle du sujet plus jeune. Pour mieux évaluer ces personnes sur le plan social et médical,...

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

» Download PDF (111 KB)

Article: European Society of Gynaecological Oncology (ESGO)

European Society of Gynaecological Oncology

K. Münstedt in *Der Gynäkologe* (2002)

» Free Preview » Get Access

Sortation

By default search results are sorted by **relevance**.

Further sortation options are:

- Newest First
- Oldest First

Search Result Page

(1) 3.349 Result(s) for 'mrsa'

Sort By Relevance Date Published

Show documents published between 1867 and 2012 (Available 1867 - 2012)

(2) Chapter

Hoe groot is de kans als huisarts besmet te raken met de MRSA-bacterie?

...op basis van de gevoeligheid voor meticilline in meticilline-gevoelige (MSSA) en meticilline-resistente (MRSA)
dr. E.E. Stobberingh in *Vademecum permanente nascholing huisartsen* (2006)

» Download PDF (50 KB) » View Chapter

Article No Access

Prävention von MRSA-Übertragungen: Standardhygiene statt Isolierung

1. Sortation by Pub. Year

(3)

There is a way to exactly define the publishing year(s) you are searching for.

2. Pagination

To navigate through the results you can jump into any page of the result by entering a number into the page field.

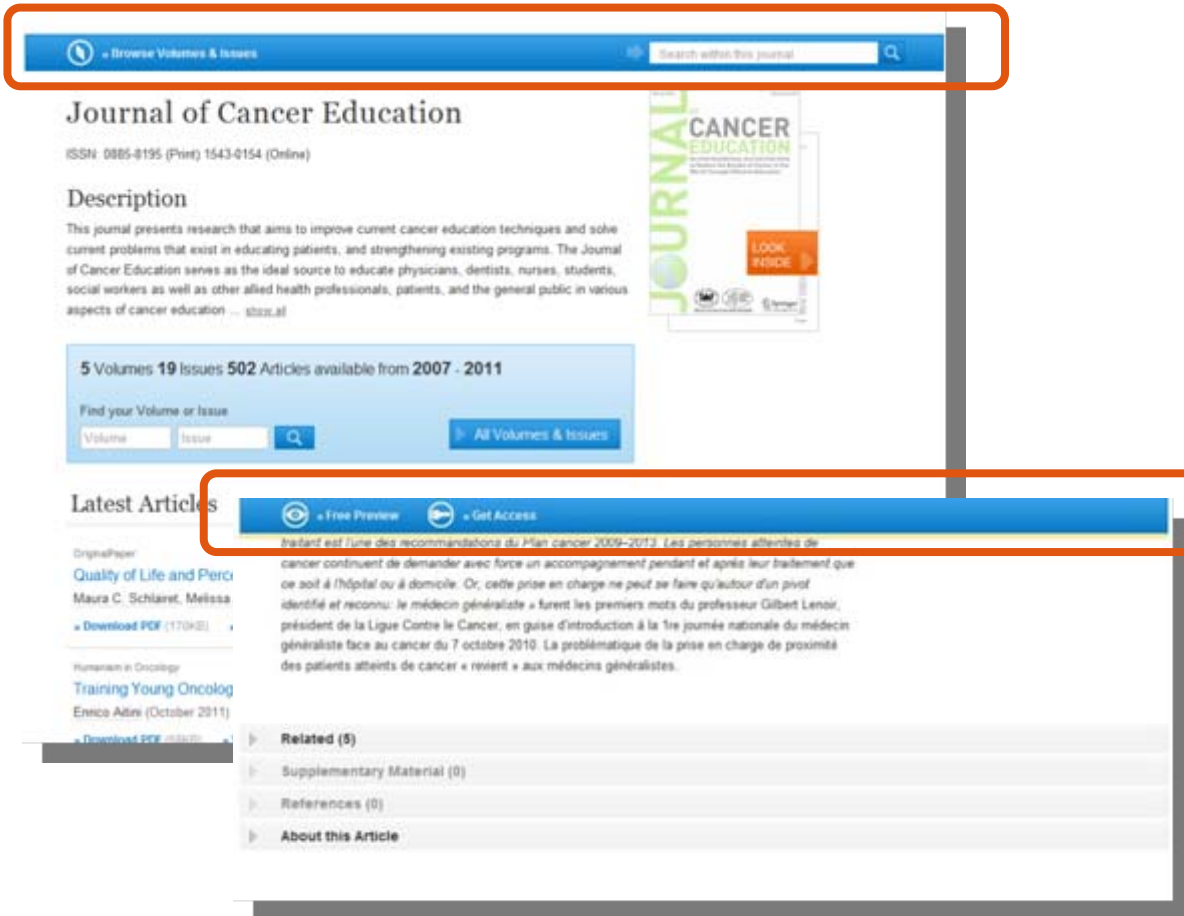
3. Download List:

Above the pagination there is an arrow displayed that allows you to download the search result as csv file.

Product Pages

- Product Pages - Blue Bar
- Open Access Indicators
- Journal
- Book
- Reference Work
- Series
- Protocols

Product Pages



The screenshot shows the product page for the Journal of Cancer Education. Two blue bars are highlighted with orange boxes:

- Top Blue Bar:** Contains a magnifying glass icon, a link to "Browse Volumes & Issues", a search input field with the placeholder "Search within this journal", and a search icon.
- Bottom Blue Bar:** Contains a magnifying glass icon, a link to "Free Preview", a link to "Get Access", and a search input field.

The page content includes the journal title "Journal of Cancer Education", ISSN 0885-0195 (Print) 1543-0154 (Online), a description of the journal's focus on cancer education, and a section for "Latest Articles" featuring a paper on "Quality of Life and Percutaneous Endovascular Treatment of Cervical Artery Dissection".

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.

Open Access Indicators

211 Result(s) for 'biology'

within Journal

Sort By Relevance Date Published Page 1 of 11

Journal

EURASIP Journal on Bioinformatics and Systems Biology

Volume 2011 / 2011 - Volume 2012 / 2012

Open Access

(1)

Open Access Indicators will show on:

1. Article/chapter page
2. Search results page
3. Journal / book homepage

Journal

Biology

Volume 1 / 2011

Open Access

(2)

Journal

Biology

Volume 1 / 2011

EURASIP Journal on
Systems Biology

ISSN: (Print) 1687-4153 (Online)

Description

The overall aim of EURASIP Journal on Bioinformatics and Systems Biology is to provide a common platform for processing, bioinformatics, statistics ... [show all](#)

Download PDF (1,002 KB)

View Article

This article is part of
Computational Systems Biology
EURASIP Journal on Bioinformatics and Systems Biology

June 2012, 2012:6,

Open Access

(3)

Phase computations and phase models for discrete molecular oscillators

Onder Suvak, Alper Demir

Download PDF (1,002 KB)

View Article

Abstract

Journal Homepage

- Functionality overview
- Search within this journal content
- Search result page of a keyword search within a journal
- Volumes and issues navigation
- **All** volumes and issues result page
- About this journal

Journal Homepage



(1) Browse Volumes & Issues

(2) Search within this journal

Journal of Cancer Education (3)

ISSN: 0885-8195 (Print) 1543-0154 (Online) (4)

Description (5)

This journal presents research that aims to improve current cancer education techniques and solve current problems that exist in educating patients, and strengthening existing programs. The Journal of Cancer Education serves as the ideal source to educate physicians, dentists, nurses, students, social workers as well as other allied health professionals, patients, and the general public in various aspects of cancer education ... [show all](#)

5 Volumes 19 Issues 502 Articles available from 2007 - 2011

Find your Volume or Issue (6)

Volume Issue

Latest Articles

OriginalPaper

Quality of Life and Perceived Educational Needs among Older Cancer Survivors
Maura C. Schiairet, Melissa J. Benton (October 2011)

[Download PDF \(170KB\)](#) [View Article](#) (7)

Humanism in Oncology

Training Young Oncologists in Doctor-Patient Relationships
Enrico Altini (October 2011)

[Download PDF \(68KB\)](#) [View Article](#)

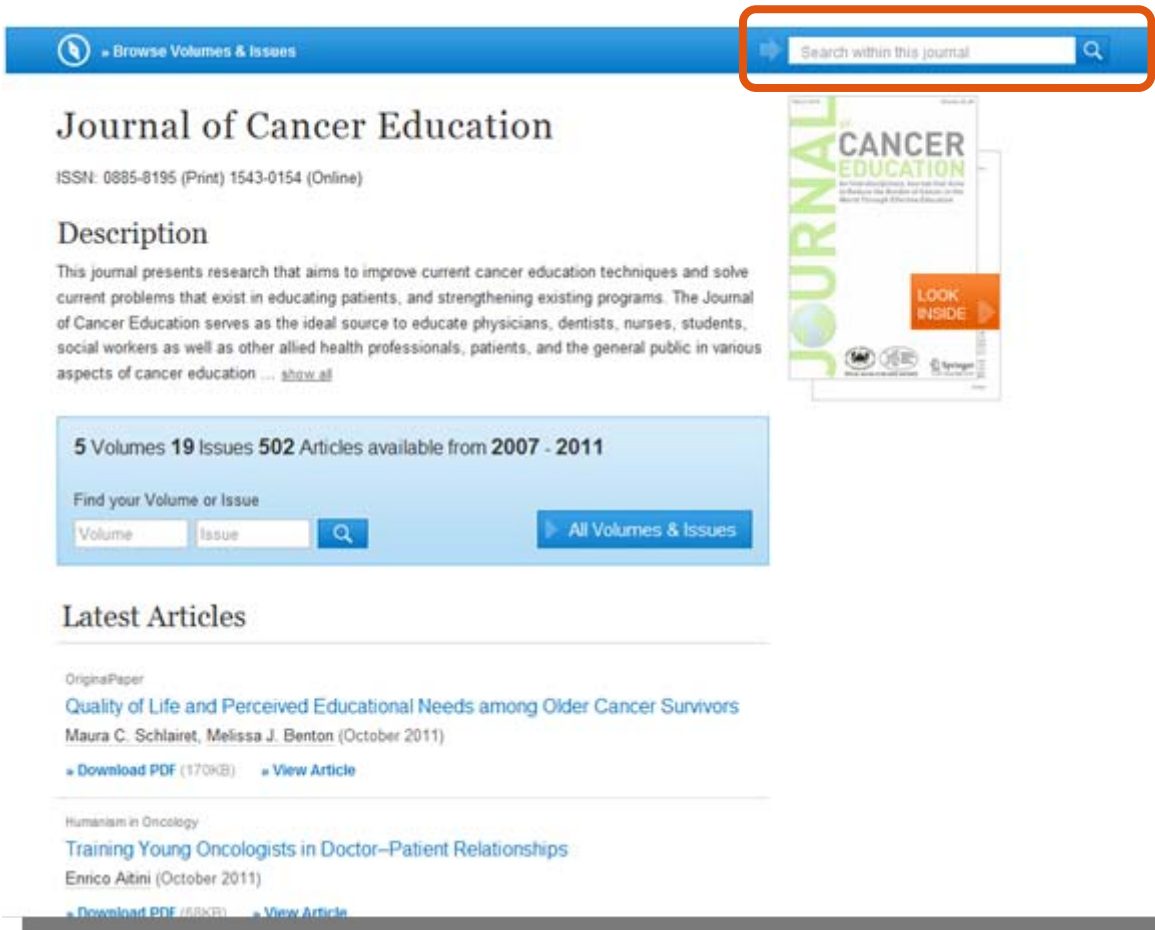
(8) Journal Cover

(9) Look Inside

Functionality Overview:

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

Journal Homepage – Search within this journal




The screenshot shows the homepage of the Journal of Cancer Education. At the top, there is a blue navigation bar with a magnifying glass icon and the text "Browse Volumes & Issues". To the right of this bar, a search bar is highlighted with an orange rectangle; it contains the placeholder text "Search within this journal" and a magnifying glass icon. Below the navigation bar, the journal title "Journal of Cancer Education" is displayed, followed by its ISSN: 0885-8195 (Print) 1543-0154 (Online). A "Description" section follows, stating the journal's purpose. To the right of the text is a cover image of the journal with a "LOOK INSIDE" button. Below the description, a blue box contains the text "5 Volumes 19 Issues 502 Articles available from 2007 - 2011". Underneath this box is a search area with the text "Find your Volume or Issue", two input fields labeled "Volume" and "Issue", a magnifying glass icon, and a button labeled "All Volumes & Issues". At the bottom, a "Latest Articles" section lists two articles with their titles, authors, and dates, each with links to "Download PDF" and "View Article".

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.

Search Result Page

 Include preview-only content ☒

Refine Your Search

Content Type

Article	793
---------	-----

Discipline

Biomedical Sciences	708
Medicine	708

Subdiscipline

Endocrinology & Metabolism	708
Human Physiology	708
Internal Medicine	708

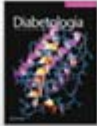
Published In

Diabetologia	793
--------------	-----

Language

English	793
---------	-----

793 Result(s) for 'polypeptide'

 You are now only searching within the Journal **Diabetologia**
STOP searching within this Journal ✕

Sort By: Relevance ▾ ▶ Date Published

Page 1 of 40

Article

Observation(s) A novel mutation in islet amyloid polypeptide (IAPP) gene promoter is associated with Type II diabetes mellitus
Diabetologia (2001)
» Download PDF (42 KB)


Article

Islet amyloid polypeptide (amylin) and insulin are differentially expressed in chronic diabetes induced by streptozotocin in rats
H. Mulder, B. Ahrén, F. Sundler in *Diabetologia* (1996)
» Download PDF (91 KB)

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.

Journal Homepage

(3)  Browse Volumes & Issues

Journal of Cancer Education


ISSN: 0885-8195 (Print) 1543-0154 (Online)


Description

This journal presents research that aims to improve current cancer education techniques and solve current problems that exist in educating patients, and strengthening existing programs. The Journal of Cancer Education serves as the ideal source to educate physicians, dentists, nurses, students, social workers as well as other allied health professionals, patients, and the general public in various aspects of cancer education ... [show all](#)

5 Volumes 19 Issues 502 Articles available from 2007 - 2011

Find your Volume or Issue

Volume Issue 

 (2)

Latest Articles

OriginalPaper

Quality of Life and Perceived Educational Needs among Older Cancer Survivors
Maura C. Schlairet, Melissa J. Benton (October 2011)
[Download PDF \(170KB\)](#) [View Article](#)

Humanism in Oncology

Training Young Oncologists in Doctor–Patient Relationships
Enrico Aitini (October 2011)
[Download PDF \(88KB\)](#) [View Article](#)

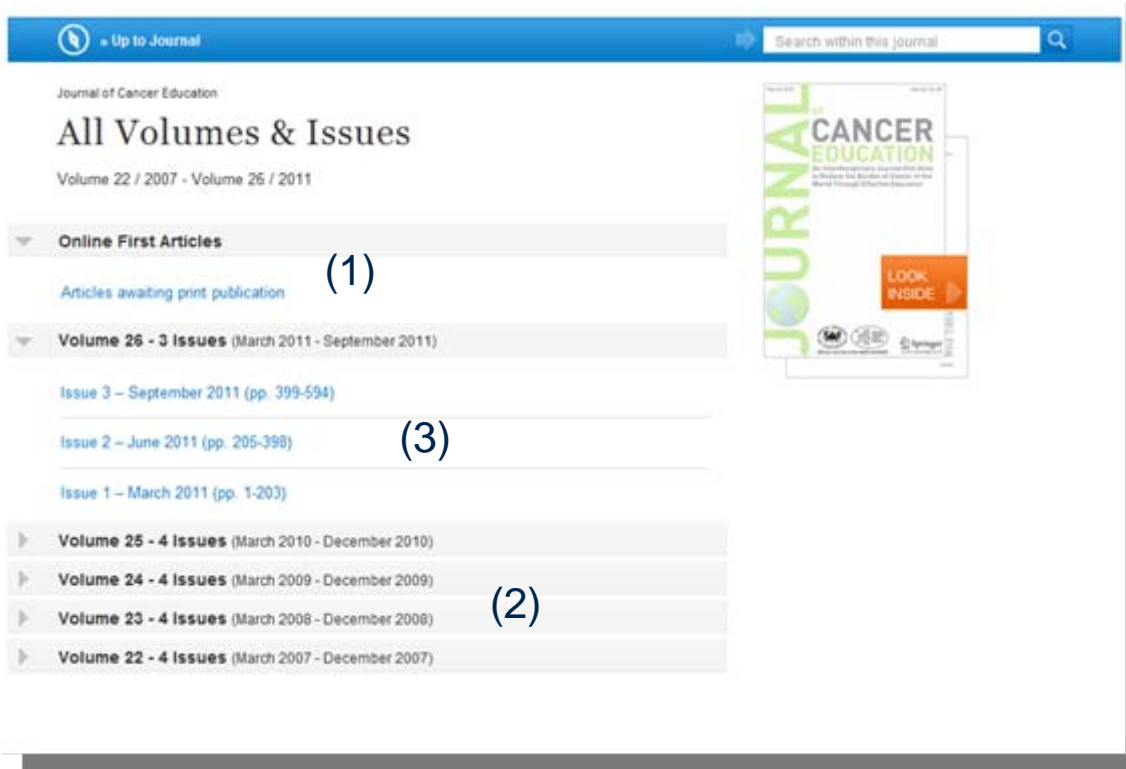
Volumes & Issues Navigation

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

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

3. You can also use the link “Browse Volumes & Issues” within the blue bar on top of the page.

Journal Homepage



Journal of Cancer Education

All Volumes & Issues

Volume 22 / 2007 - Volume 26 / 2011

Online First Articles (1)
Articles awaiting print publication

Volume 26 - 3 Issues (March 2011 - September 2011)

Issue 3 - September 2011 (pp. 399-594)

Issue 2 - June 2011 (pp. 205-398) (3)

Issue 1 - March 2011 (pp. 1-203)

Volume 25 - 4 Issues (March 2010 - December 2010)

Volume 24 - 4 Issues (March 2009 - December 2009) (2)

Volume 23 - 4 Issues (March 2008 - December 2008)

Volume 22 - 4 Issues (March 2007 - December 2007)

LOOK INSIDE

All Volumes and Issues

1. You get links to the most recent content displayed on top of the page.
2. The content of older volumes is hidden behind the grey volume bars.
3. If you click into the volume bar the content of this volume is listed.

Journal Homepage

About this Journal

On the bottom of the journal homepage you find some detail information to the journal:

1. To the left you get the **bibliographic information** offered.

2. Below there are some “**Additional Links**” to information and services offered on springer.com:

- Toc Alert Registration
- Manuscript Submission
- Editorial Board info
- More info on the journal

3. Topics

These links lead to a search result list to that topic whereas the keywords are not yet linked.

OriginalPaper
Possible Logistic and Sociodemographic Factors on Breast Cancer Screening in Turkey: Lessons from a Women's Health Project in Mersin Province
Huseyin Abali, Alper Ata, Gozde Gokce, Huseyin Gokce (October 2011)
» Download PDF (145KB) » View Article
» See all articles

About this Journal

Journal Title

Journal of Cancer Education

Topics

» Pharmacology/Toxicology
» Cancer Research

Coverage

Volume 22 / 2007 - Volume 26 / 2011

Print ISSN

0885-8195

Online ISSN

1543-0154

Publisher

Springer-Verlag

Additional Links

» Register for TOC Alerting
» Editorial Board
» About This Journal
» Manuscript Submission

(3)

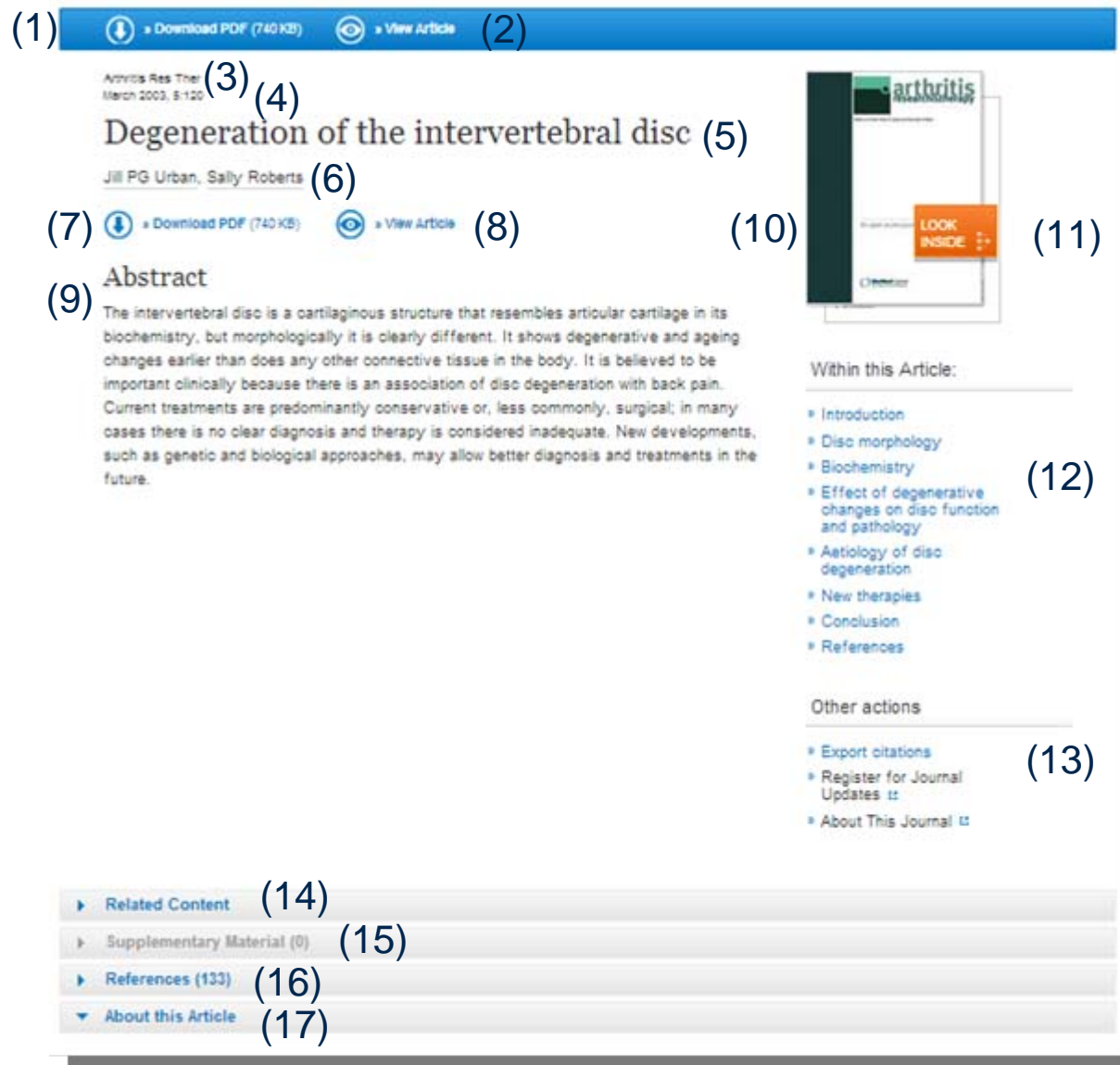
(1)

(2)

Journal Article

- Functionality Overview
- Difference between “Download PDF” and “Look Inside”
- View article
- Title and author information
- Abstract / “Within this Article” links
- Related content
- Supplementary Material
- About this Article

Journal Article



(1) Download PDF (740 KB) (2) View Article


(3) Annals Res Ther (4) March 2003, 5:120

(5) Degeneration of the intervertebral disc

(6) Jill PG Urban, Sally Roberts

(7) Download PDF (740 KB) (8) View Article (9) Abstract

(10) The intervertebral disc is a cartilaginous structure that resembles articular cartilage in its biochemistry, but morphologically it is clearly different. It shows degenerative and ageing changes earlier than does any other connective tissue in the body. It is believed to be important clinically because there is an association of disc degeneration with back pain. Current treatments are predominantly conservative or, less commonly, surgical; in many cases there is no clear diagnosis and therapy is considered inadequate. New developments, such as genetic and biological approaches, may allow better diagnosis and treatments in the future.

(11) 

(12) Within this Article:

- » Introduction
- » Disc morphology
- » Biochemistry
- » Effect of degenerative changes on disc function and pathology
- » Aetiology of disc degeneration
- » New therapies
- » Conclusion
- » References

(13) Other actions

- » Export citations
- » Register for Journal Updates [it](#)
- » About This Journal [it](#)

(14) Related Content

(15) Supplementary Material (0)

(16) References (133)

(17) About this Article

Functionality Overview

1. Download PDF
2. View (HTML) Article
3. Journal Title
4. Year of Publication
5. Article Title
6. Author
7. Download PDF
8. View (HTML) Article
9. Abstract
10. Journal Cover
11. Look Inside (Preview)
12. Within this Article Links
13. Citation Export
14. Related Articles
15. Supplementary Material
16. References
17. About this Article

Journal Article



The screenshot shows the top of a SpringerLink article page. At the top, a blue bar contains two links: 'Download PDF (311 KB)' and 'View Article', both highlighted with orange boxes. Below this bar, the article title is displayed in large black font. To the right of the title is a thumbnail image of the journal cover for 'Diabetologia', which also has an orange box around a 'LOOK INSIDE' button. Below the title, the authors' names are listed. Further down, another 'Download PDF (311 KB)' link is shown, also highlighted with an orange box. The abstract section follows, with a subheading 'Aims/objective' and a paragraph of text. The 'Methods' section is partially visible at the bottom. On the right side of the page, there is a section titled 'Within this Article:' with a list of links: 'Introduction', 'Methods', 'Results', 'Discussion', and 'References'. Below this is a section titled 'Other actions' with links: 'Export citations', 'Register for Journal Updates', and 'About This Journal'.

Diabetologia
November 2012, Volume 55, Issue 11, pp 2913–2919,
[Open Access](#)

Urinary podocalyxin is an early marker for podocyte injury in patients with diabetes: establishment of a highly sensitive ELISA to detect urinary podocalyxin

M. Hara, K. Yamagata, Y. Tomino, A. Saito, Y. Hirayama, S. Ogasawara, H. Kurosawa, S. Sekine, K. Yan

[Download PDF \(311 KB\)](#) [View Article](#)

Abstract

Aims/objective

Nephropathy, a major complication of diabetes, is the leading cause of end-stage renal disease. Recent studies have demonstrated that podocyte injury is involved in the onset of and progression to renal insufficiency. Here, we describe a novel, highly sensitive ELISA for detecting urinary podocalyxin, a glycoconjugate on the podocyte apical surface that indicates podocyte injury, particularly in the early phase of diabetic nephropathy.

Methods

Urine samples from patients with glomerular diseases ($n = 142$) and type 2 diabetes ($n = 71$) were

Diabetologia
LOOK INSIDE

Within this Article:

- » Introduction
- » Methods
- » Results
- » Discussion
- » References

Other actions

- » Export citations
- » Register for Journal Updates
- » About This Journal

Difference between Download PDF and Look Inside

The “**Download PDF**” functionality is offered most prominent within the blue bar on the top left of the page.

The same functionality is repeated by the link below the title.

The PDF file can be **saved, printed, marked**.

The “**Look Inside**” link offers a **PDF preview** without further functionality.

Journal Abstract – View Article



View Article

This link offers an HTML page of the article.

The same functionality is repeated by the link below the title.

Abstract

Aims/objective

Nephropathy, a major complication of diabetes, is the leading cause of end-stage renal disease. Recent studies have demonstrated that podocyte injury is involved in the development of renal insufficiency. Here, we describe a novel, highly sensitive ELISA to detect urinary podocalyxin, a glycoconjugate on the podocyte apical surface that is particularly increased in the early phase of diabetic nephropathy.

Methods

Urine samples from patients with glomerular diseases ($n = 142$) were analyzed by the newly established ELISA.

Diabetologia
Clinical and Experimental Diabetes and Metabolism
© The Author(s) 2012
10.1007/s00125-012-2661-7

Article

Urinary podocalyxin is an early marker for podocyte injury in patients with diabetes: establishment of a highly sensitive ELISA to detect urinary podocalyxin

M. Hara¹✉, K. Yamagata², Y. Tomino³, A. Saito⁴, Y. Hirayama², S. Ogasawara⁵, H. Kurosawa⁶, S. Sekine⁵ and K. Yan⁶


- (1) Department of Pediatrics, Yoshida Hospital, Yoshida 32-14, Tsubame City 959-0242, Niigata, Japan
- (2) Department of Nephrology, University of Tsukuba, Tsukuba, Japan
- (3) Department of Nephrology, Juntendo University, Tokyo, Japan
- (4) Department of Medicine, Niigata University, Niigata, Japan
- (5) Research and Development Department, Denka Seiken, Gosen, Niigata, Japan
- (6) Department of Pediatrics, School of Medicine, Kyorin University, Mitaka, Tokyo, Japan

✉ M. Hara
Email: mhara@yoshida-hosp.jp

Received: 30 May 2012

Accepted: 19 June 2012


Journal Article

 » Download PDF (311 KB)  » View Article

(2) Diabetologia
November 2012, Volume 55, Issue 11, pp 2913–2919,
[Open Access](#)

(1) Urinary podocalyxin is an early marker for podocyte injury in patients with diabetes: establishment of a highly sensitive ELISA to detect urinary podocalyxin

(3) M. Hara, K. Yamagata, Y. Tomino, A. Saito, Y. Hirayama, S. Ogasawara, H. Kurosawa, S. Sekine, K. Yan

 » Download PDF (311 KB)  » View Article

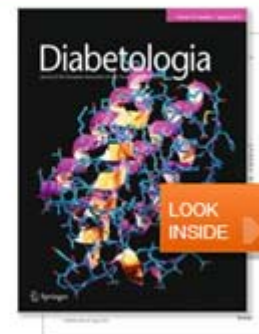
Abstract

Aims/objective

Nephropathy, a major complication of diabetes, is the leading cause of end-stage renal disease. Recent studies have demonstrated that podocyte injury is involved in the onset of and progression to renal insufficiency. Here, we describe a novel, highly sensitive ELISA for detecting urinary podocalyxin, a glycoconjugate on the podocyte apical surface that indicates podocyte injury, particularly in the early phase of diabetic nephropathy.

Methods

Urine samples from patients with glomerular diseases ($n = 142$) and type 2 diabetes ($n = 71$) were



Within this Article:

- » Introduction
- » Methods
- » Results
- » Discussion
- » References

Other actions

- » Export citations
- » Register for Journal Updates [↗](#)
- » About This Journal [↗](#)

Title & Author information

1. The new design works with a big and prominent **title headline**.
2. In smaller fonts above you will find the related **journal information**.
3. Below the title the **author information** is located. All authors are linked to a search result page of all publications of this author.

Journal Article

[Download PDF \(310 KB\)](#) [View Article](#)

Molecular and Cellular Biochemistry
December 2011, Volume 358, Issue 1-2, pp 153-160

Chronic hyperhomocysteinemia induces oxidative damage in the rat lung

Aline A. da Cunha, Andréa G. K. Ferreira, Maira J. da Cunha, Carolina D. Pederzoli, Débora L. Becker, Juliana G. Coelho, Carlos S. Dutra-Filho, Angela T. S. Wyse

[Download PDF \(310 KB\)](#) [View Article](#)



Within this Article:

- » Introduction
- » Materials and methods
- » Results
- » Discussion
- » References

Abstract

Tissue accumulation of homocysteine occurs in classical homocystinuria, a metabolic disease characterized biochemically by cystathionine β -synthase deficiency. Vascular manifestations such as myocardial infarction, cerebral thrombosis, hepatic steatosis, and pulmonary embolism are common in this disease and poorly understood. In this study, we investigated the effect of chronic hyperhomocysteinemia on some parameters of oxidative stress (thiobarbituric acid-reactive substances, protein carbonyl content, 2',7'-dichlorofluorescein fluorescence assay, and total radical-trapping antioxidant potent) and activities of antioxidant enzymes (superoxide dismutase, catalase, and glutathione peroxidase) in the rat lung. Reduced glutathione content and glucose 6-phosphate dehydrogenase activity, as well as nitrite levels, were also evaluated. Wistar rats received daily subcutaneous injections of Hcy (0.3–0.6 $\mu\text{mol/g}$ body weight) from the 6th to the 28th days-of-age and the control group received saline. One and 12 h after the last injection, rats were killed and the lungs collected. Hyperhomocysteinemia increased lipid peroxidation and oxidative damage to protein, and disrupted antioxidant defenses (enzymatic and non-enzymatic) in the lung of rats, characterizing a reliable oxidative stress. In contrast, this amino acid did not alter nitrite levels. Our findings showed a consistent profile of oxidative stress in the lung of rats, elicited by homocysteine, which could explain, at least in part, the mechanisms involved in the lung damage that is present in some homocystinuric patients.

[Related \(5\)](#)
[Supplementary Material \(0\)](#)
[References \(70\)](#)
[About this Article](#)

(2)


Abstract

“Within this Article” links

1. Below the title the **article abstract** is offered, which is a summary on the article content.

2. Below the cover image you will find **links** offered that work as an **anchor** navigating to the respective information within the HTML preview of the article. If you don't have access these links will appear as flat text.

Journal Article



The screenshot shows a SpringerLink article page. At the top, there are links to 'Download PDF (740 KB)' and 'View Article'. The article title is 'Degeneration of the intervertebral disc' by Jill PG Urban, Sally Roberts. Below the title is an 'Abstract' section. A dialog box titled 'Export Citation' is open, showing a list of citation managers to select from. The list includes ProCite (RIS), Reference Manager (RIS), Ref Works (RIS), BookEnds (RIS), EndNote (RIS), PubMed (TXT), Text only (TXT), and BibTeX (BIB). The 'Export citations' option is highlighted with a red box and labeled (1).

Arthritis Res Ther
March 2003, 5:120

Degeneration of the intervertebral disc

Jill PG Urban, Sally Roberts

Download PDF (740 KB) View Article

Abstract

The intervertebral disc is a cartilaginous structure that resembles articular cartilage in its biochemistry, but morphologically it is clearly different. It shows degenerative and ageing changes earlier than does any other connective tissue in the body. It is believed to be important clinically because there is an association of disc degeneration with back pain. Current treatments are predominantly conservative or, less commonly, surgical; in many cases there is no clear diagnosis and therapy is considered inadequate. New developments,

Export Citation Close

Download citations by selecting your citation manager

Citations without abstract

Select Download

- » ProCite (RIS)
- » Reference Manager (RIS)
- » Ref Works (RIS)
- » BookEnds (RIS)
- » EndNote (RIS)
- » PubMed (TXT)
- » Text only (TXT)
- » BibTeX (BIB)

Within this Article:

- » Introduction
- » Disc morphology
- » Biochemistry
- » Effect of degenerative changes on disc function and pathology
- » Aetiology of disc degeneration
- » New therapies
- » Conclusion
- » References

Other actions

- » Export citations (1)
- » Register for Journal Updates it
- » About This Journal it

Export Citation

1. Below the journal cover there is a link offered that allows to export citations.

Citations can be exported in the following formats:

- ProCite (RIS)
- Reference Manager (RIS)
- Ref Works (RIS)
- EndNote (RIS)
- PubMed (TXT)
- Text only (TXT)
- BibTeX (BIB)

Journal Article

Related (5)

1. Increased inflammatory markers in brain and blood of rats subjected to acute homocysteine administration June 2010
2. Acute hyperhomocysteinemia alters the coagulation system and oxidative status in the blood of rats September 2011
3. Homocysteine Induces Oxidative-Nitrative Stress in Heart of Rats: Prevention by Folic Acid March 2011
4. Homocysteine alters glutamate uptake and Na⁺/K⁺-ATPase activity and oxidative status in rats hippocampus: protection by vitamin C March 2011
5. B-vitamins, homocysteine and gene polymorphism in adults with fasting or post-methionine loading hyperhomocysteinemia December 2008

Supplementary Material (0)

References (70)

About this Article

Related (Content)

Within that area you get links to related articles this website offered.

Journal Article

[Download PDF \(311 KB\)](#) [View Article](#)

Diabetologia
November 2012, Volume 55, Issue 11, pp 2913–2919
[Open Access](#)

Urinary podocalyxin is an early marker for podocyte injury in patients with diabetes: establishment of a highly sensitive ELISA to detect urinary podocalyxin

M. Hara, K. Yamagata, Y. Tomino, A. Saito, Y. Hirayama, S. Ogasawara, H. Kurosawa, S. Sekine, K. Yan

[Download PDF \(311 KB\)](#) [View Article](#)

Abstract

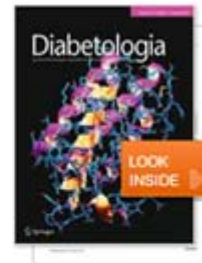
Aims/objective

Nephropathy, a major complication of diabetes, is the leading cause of end-stage renal disease. Recent studies have demonstrated that podocyte injury is involved in the onset of and progression to renal insufficiency. Here, we describe a novel, highly sensitive ELISA for detecting urinary podocalyxin, a glycoconjugate on the podocyte apical surface that indicates podocyte injury, particularly in the early phase of diabetic nephropathy.



Urinary podocalyxin may be a useful biomarker for detecting early podocyte injury in patients with diabetes.

[Related Content](#)
[Supplementary Material \(1\)](#)
[References \(15\)](#)
[About this Article](#)



Within this Article:

- » Introduction
- » Methods
- » Results
- » Discussion
- » References

Other actions

- » Export citations

(1)

Supplementary Material

1. If there is supplementary material available it will be listed there.

Journal Article

► Related (5)

► Supplementary Material (0)

▼ References (70)

1. Diaz-Arastia R (2000) Homocysteine and neurologic disease. *Arch Neurol* 57:1422–1427 [» CrossRef](#)
2. Andersson A, Ankerst J, Lindgren A, Larsson K, Hultberg B (2001) Hyperhomocysteinemia and changed plasma thiol redox status in chronic obstructive pulmonary disease. *Clin Chem Lab Med* 39:229–233 [» CrossRef](#)
3. Mattson MP, Kruman IL, Duan W (2002) Folic acid and homocysteine in age-related disease. *Ageing Res Rev* 1:95–111 [» CrossRef](#)
4. Bottiglieri T (2005) Homocysteine and folate metabolism in depression. *Prog Neuropsychopharmacol Biol Psychiatry* 29:1103–1112 [» CrossRef](#)
5. Obeid R, McCaddon A, Herrmann W (2007) The role of hyperhomocysteinemia and B-vitamin deficiency in neurological and psychiatric diseases. *Clin Chem Lab Med* 45:1590–1606 [» CrossRef](#)
6. Herrmann W, Lorenzl S, Obeid R (2007) Review of the role of hyperhomocysteinemia and B-vitamin deficiency in neurological and psychiatric disorders—current evidence and preliminary recommendations. *Fortschr Neurol Psychiatr* 75:515–527 [» CrossRef](#)
7. Mudd SH, Levy HL, Skovby F (2001) Disorders of transsulfuration. In: Scriver CR, Beaudet AL, Sly WS, Valle D (eds) *The metabolic and molecular bases of inherited disease*, 8th edn. McGraw-Hill, New York, pp 1279–1327
8. Klastin G, Conn HO (1993) *Hepatic lesions in disorders of protein and amino acid metabolism*. Oxford University Press, New York
9. van der Berg M, van der Knapp MS, Boers GH, Stehouwer CD, Rauwerda JA, Valk J (1995) Hyperhomocysteinemia; with reference to its neuroradiological aspects. *Neuroradiology* 37:403–411 [» CrossRef](#)
10. Welch GN, Loscalzo J (1998) Homocysteine and atherothrombosis. *N Engl J Med* 338:1042–1050 [» CrossRef](#)
11. Kim WK, Pae YS (1996) Involvement of *N*-methyl-D-aspartate receptor and free radical in homocysteine-mediated toxicity on rat cerebellar granule cells in culture. *Neurosci Lett* 216:117–120

References

This is a list of literature the author used to write the article.

Most of the references are linked to their source by the “**CrossRef**” link.

Journal Article

About this Article

1. To the left you get the **bibliographic information** offered.

2. Below there are some **“Additional Links”** to information and services offered on springer.com:

- Toc Alert Registration
- Manuscript Submission
- Editorial Board info
- More info on the journal

3. Topics / Keywords

These links lead to a search result list to that topic whereas the keywords are not yet linked.

4. To the right you find all **author information** and also their **affiliations** if available

Related (5)

Supplementary Material (0)

References (70)

About this Article

Title

Chronic hyperhomocysteinemia induces oxidative damage in the rat lung

Journal

» Molecular and Cellular Biochemistry

» Volume 358, Issue 1-2, pp 153-160

Cover Date

2011-12-01

DOI

10.1007/s11010-011-0930-2

Print ISSN

0300-8177

Online ISSN

1573-4919

Publisher

Springer US

Additional Links

» Register for TOC Alerting

» Editorial Board

» About This Journal

» Manuscript Submission

Topics

» Oncology

» Medical Biochemistry

» Biochemistry, general

» Cardiology

Keywords

Homocysteine

Oxidative stress

Nitrite levels

Lung

Authors

Aline A. da Cunha⁽¹⁾

Andréa G. K. Ferreira⁽¹⁾

Maira J. da Cunha⁽¹⁾

Carolina D. Pederzoli⁽¹⁾

Débora L. Becker⁽¹⁾

Juliana G. Coelho⁽¹⁾

Carlos S. Dutra-Filho⁽¹⁾

Angela T. S. Wyse⁽¹⁾

Author Affiliations

1. Departamento de Bioquímica, Instituto de Ciências Básicas da Saúde, Universidade Federal do Rio Grande do Sul, Rua Ramiro Barcelos, 2600-Anexo, Porto Alegre, RS, CEP 91035-003, Brazil

(1)

(4)

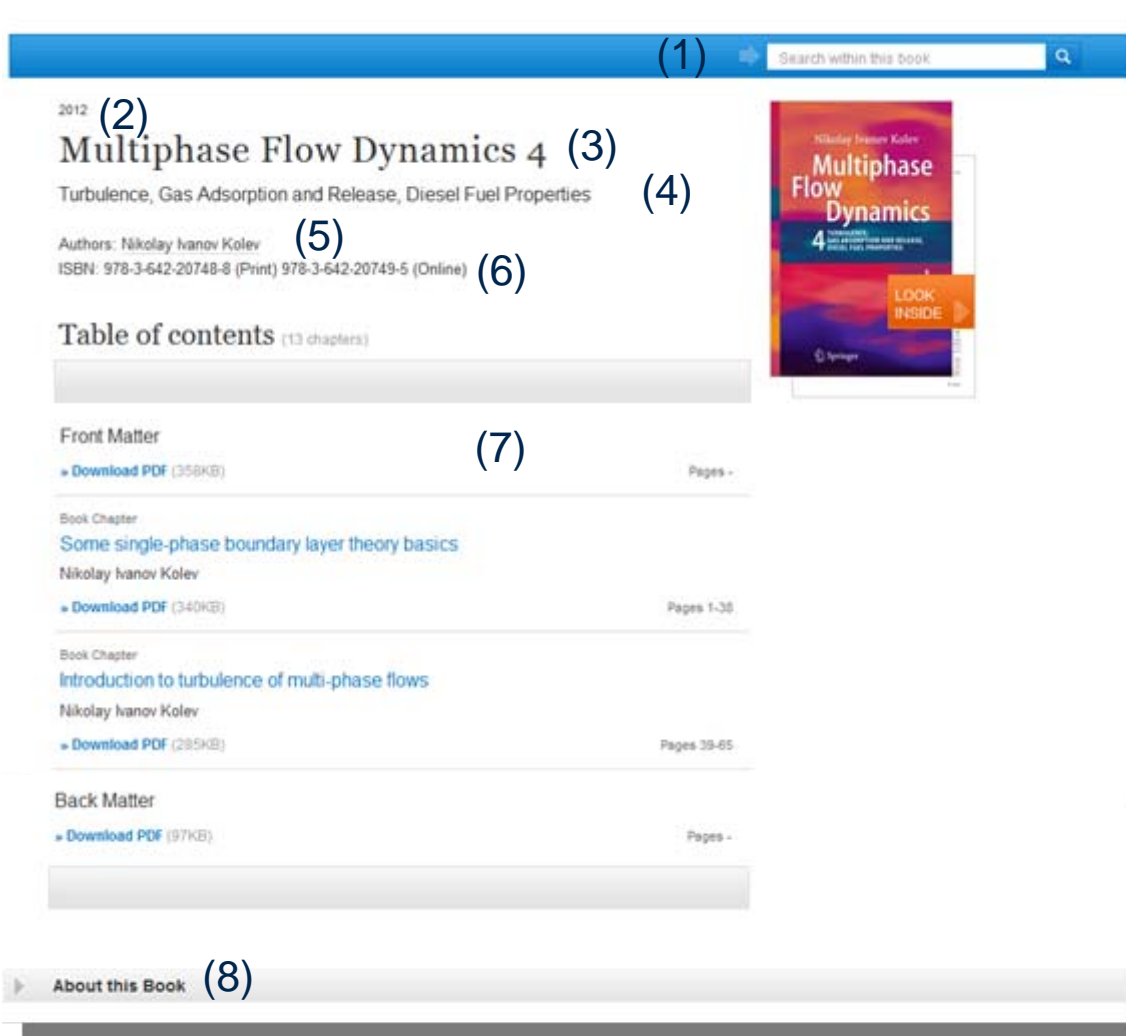
(3)

(2)

Book

- [Functionality Overview](#)
- [Search within a book](#)
- [Browse within a book](#)
- [No access to book](#)
- [About this book](#)

Book Homepage



(1) Search within this book

2012 (2)

Multiphase Flow Dynamics 4 (3)

Turbulence, Gas Adsorption and Release, Diesel Fuel Properties (4)

Authors: Nikolay Ivanov Kolev (5)
ISBN: 978-3-642-20748-8 (Print) 978-3-642-20749-5 (Online) (6)

Table of contents (13 chapters)

Front Matter (7)

Download PDF (358KB) Pages -

Book Chapter

Some single-phase boundary layer theory basics

Nikolay Ivanov Kolev

Download PDF (340KB) Pages 1-38

Book Chapter

Introduction to turbulence of multi-phase flows

Nikolay Ivanov Kolev

Download PDF (285KB) Pages 39-65

Back Matter

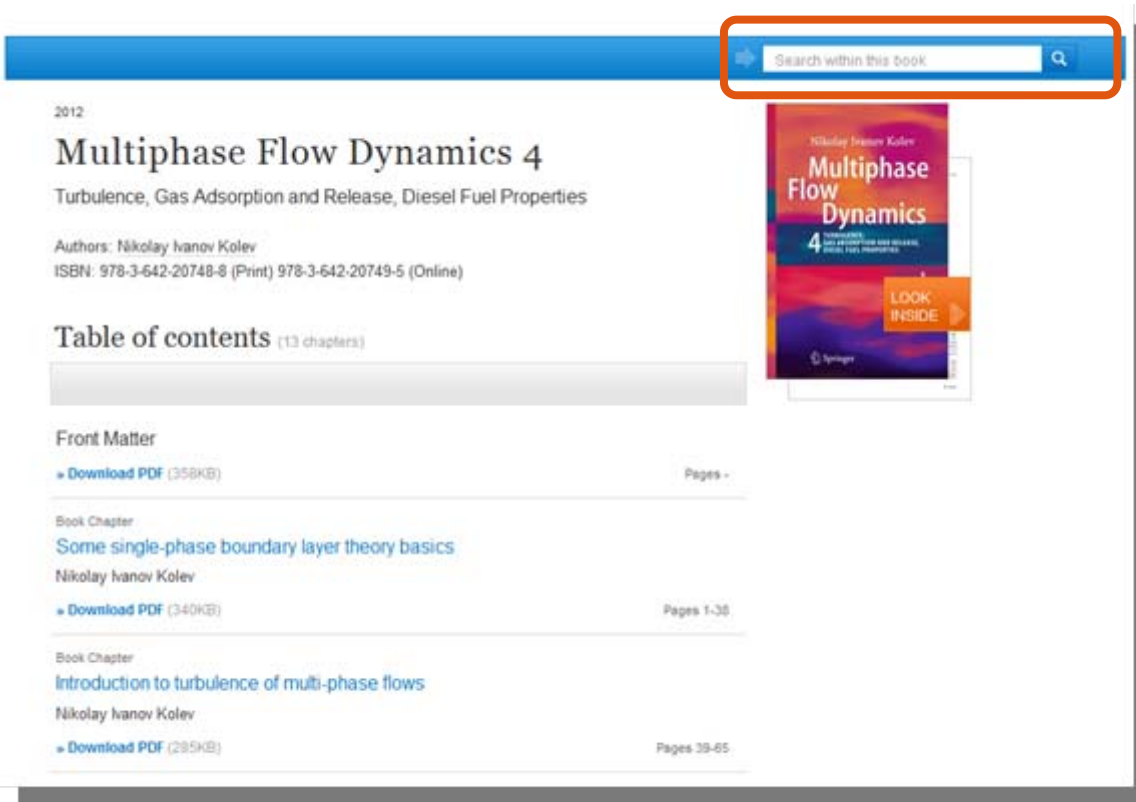
Download PDF (97KB) Pages -

About this Book (8)

Functionality Overview

1. Search within this book
2. Publication Year
3. Book Title
4. Book Subtitle
5. Authors
6. ISBN
7. Table of contents with book chapter list items
8. About this Book

Book Homepage



The screenshot shows the book homepage for "Multiphase Flow Dynamics 4" by Nikolay Ivanov Kolev. At the top, a blue navigation bar contains a search box labeled "Search within this book" with a magnifying glass icon, which is highlighted by an orange rectangle. Below the navigation bar, the book title "Multiphase Flow Dynamics 4" is displayed, followed by the subtitle "Turbulence, Gas Adsorption and Release, Diesel Fuel Properties". The authors "Nikolay Ivanov Kolev" and ISBNs are listed. A "Table of contents (13 chapters)" section is visible, with a scrollable list of chapters. The first chapter, "Some single-phase boundary layer theory basics", is shown with a "Download PDF" link and page range "Pages 1-38". The second chapter, "Introduction to turbulence of multi-phase flows", is also shown with a "Download PDF" link and page range "Pages 39-65". To the right of the text, a book cover image is displayed with a "LOOK INSIDE" button.

2012

Multiphase Flow Dynamics 4

Turbulence, Gas Adsorption and Release, Diesel Fuel Properties

Authors: Nikolay Ivanov Kolev
ISBN: 978-3-642-20748-8 (Print) 978-3-642-20749-5 (Online)

Table of contents (13 chapters)

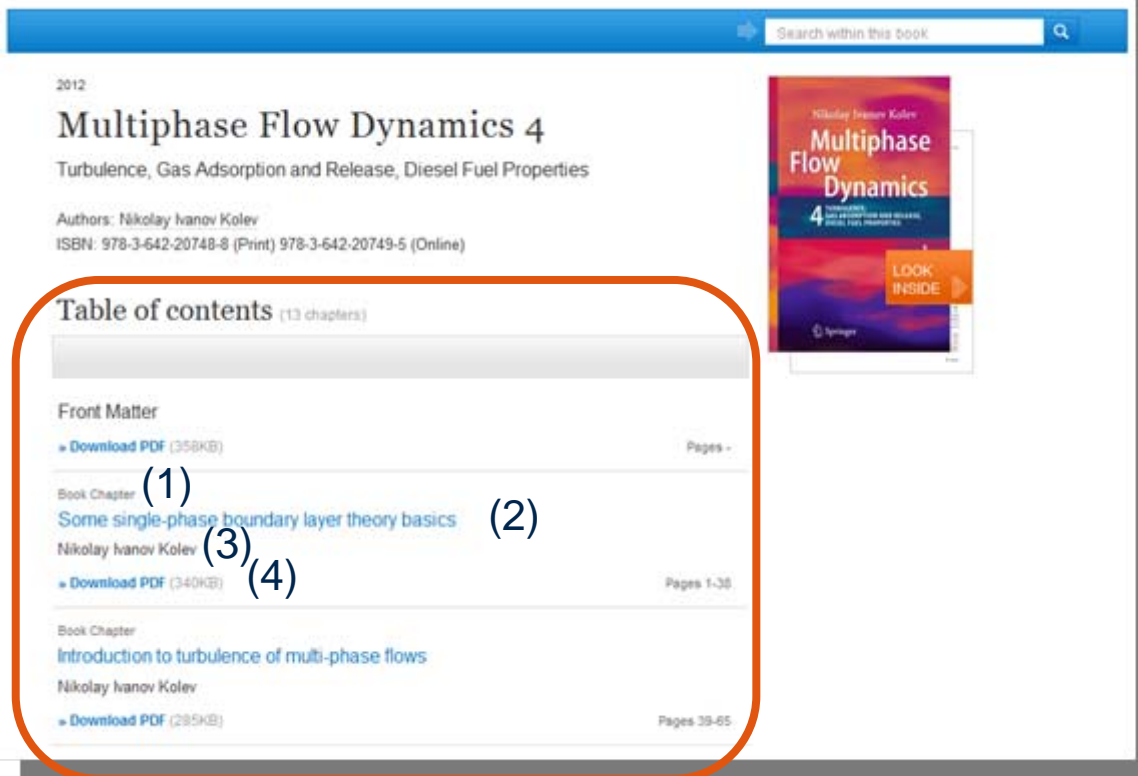
Front Matter	
Download PDF (358KB)	Pages -
Book Chapter	
Some single-phase boundary layer theory basics	
Nikolay Ivanov Kolev	
Download PDF (340KB)	Pages 1-38
Book Chapter	
Introduction to turbulence of multi-phase flows	
Nikolay Ivanov Kolev	
Download PDF (285KB)	Pages 39-65

Search within a book

If you want to **search for a specific keyword** use the “**search within this book**” functionality on top of the page.

For the search result you will leave this page and end up on a search result page.

Book Homepage



2012

Multiphase Flow Dynamics 4

Turbulence, Gas Adsorption and Release, Diesel Fuel Properties

Authors: Nikolay Ivanov Kolev
ISBN: 978-3-642-20748-8 (Print) 978-3-642-20749-5 (Online)

Search within this book

Table of contents (13 chapters)

Front Matter	
Download PDF (358KB)	Pages -
Book Chapter Some single-phase boundary layer theory basics Nikolay Ivanov Kolev	Pages 1-38
Download PDF (340KB)	
Book Chapter Introduction to turbulence of multi-phase flows Nikolay Ivanov Kolev	Pages 39-65
Download PDF (285KB)	

Browse within a book

To **browse** through the chapters of a book you get a “**table of contents**” on the book chapters offered .

A list item to chapters supplies the following information:

- 1.Type of content
- 2.Title of the chapter is linked to the chapter
- 3.Author information
- 4.Download PDF link to download the chapter if you have access

Book Homepage



The screenshot shows the SpringerLink interface for the book 'Recent Developments in Vector Optimization'. At the top, there are links for 'Free Preview' and 'Get Access', and a search bar. The book title is prominently displayed, along with the editors' names and ISBNs. Below the title, a 'Table of contents' section lists 14 chapters. The first chapter, 'Front Matter', is highlighted with a yellow background and a locked symbol (1). The second chapter, 'Vector Optimization Problems and Their Solution Concepts', is also highlighted with a yellow background and a locked symbol (2). The third chapter, 'Gordan-Type Alternative Theorems and Vector Optimization Revisited', is highlighted with a yellow background and a locked symbol (3). Each chapter entry includes the chapter title, authors, and page numbers. A 'LOOK INSIDE' button is visible on the book cover image on the right.

Vector Optimization
Volume 1 2012

Recent Developments in Vector Optimization

Editors: Qamrul Hasan Ansari, Jen-Chih Yao
ISBN: 978-3-642-21113-3 (Print) 978-3-642-21114-0 (Online)

Table of contents (14 chapters)

Chapter	Access
Front Matter	No Access
Vector Optimization Problems and Their Solution Concepts	No Access
Gordan-Type Alternative Theorems and Vector Optimization Revisited	No Access
	No Access

No access to book

If you have no access to the book the table of content is displayed in a different design:

1. All list items will have a **yellow** background
2. In front of the content type information a **locked symbol** is displayed
3. Instead of a download link you get a “**Free Preview**” link offered as well as a link to “**Get fulltext Access** to the chapter”

Book Homepage

Back Matter

[Download PDF \(97KB\)](#)

Pages -

About this Book

Book Title

Multiphase Flow Dynamics 4

Book Subtitle

Turbulence, Gas Adsorption and Release,
Diesel Fuel Properties

Copyright

2012

DOI

10.1007/978-3-642-20749-5

Print ISBN

978-3-642-20748-8

Online ISBN

978-3-642-20749-5

Publisher

Springer Berlin Heidelberg

Copyright Holder

Springer-Verlag Berlin Heidelberg

Additional Links

[About this Book](#)

Topics

» Engineering Fluid Dynamics
» Engineering Thermodynamics, Heat and
Mass Transfer
» Fluid- and Aerodynamics
» Thermodynamics

Authors

Nikolay Ivanov Kolev  ⁽¹⁾

Author Affiliations

1. Framatome-ANP, Möhrendorferstr. 7,
91074, Herzogenaurach, Germany

About this book

On the bottom of a book overview page you will find detail information on the book:

1. To the left you get the **bibliographic information** offered.

2. Below there are some **“Additional Links”** to information and services offered on springer.com.

3. Topics


These links will link to a search result list of related subjects.

4. To the right you find all **author information** and also their **affiliations** if available.

Book Chapter

- Functionality overview
- No access to book chapter


Book Chapter

(1)  » Download PDF (343 KB)

Theoretical Computer Science
Lecture Notes in Computer Science Volume 2202, 2001, pp 17-37

Filter Models and Easy Terms


Fabio Alessi, Mariangiola Dezani-Ciancaglini, Furio Honsell

(1)  » Download PDF (343 KB)

Abstract

(3)

We illustrate the use of intersection types as a tool for synthesizing λ -models which exhibit special purpose features. We focus on semantical proofs of easiness. This allows us to prove that the class of λ -theories induced by graph models is strictly included in the class of λ -theories induced by non-extensional filter models.



(2)

Other actions

(4) » Export citations

► Related (5) (5)

► Supplementary Material (0) (6)

► References (33) (7)

► About this Chapter (8) (8)

Functionality Overview

1. Download PDF
2. Look Inside (Preview)
3. Abstract
4. Export Citations
5. Related (Content)
6. Supplementary Material
7. References
8. About this Chapter

The page structure is the same as for Journal Articles, see slides (34 – 41).

Book Chapter

👁️ » Look Inside
🔑 » Get Access

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

Vector Optimization Problems and Their Solution Concepts


Gabriele Eichfelder, Johannes Jahn

👁️ » Look Inside
🔑 » Get Access
(2)

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.

(1)



(3)

Within this Chapter:

- Introduction
- Pre-Orders and Partial Orders
- Optimality Concepts in Linear Spaces
- Optimality Concepts in Set Optimization
- Existence Results in Vector Optimization
- Application: Field Design of a Magnetic Resonance System
- References

Other actions

- » Export citations
- » About this Book

No access to book chapter

If you have no access to the book chapter the page head is displayed in a different design:

1. There is a **yellow** underline below the blue bar to the top.

2. Instead of a download link you get a **“Look Inside”** link offered as well as a link to **“Get fulltext Access to the chapter”**.

3. **“Within this Chapter”** links below the cover are not active.

Book Series

- Browse the volumes of a series
- Search result page on series content

Series Homepage

(1)  Browse Volumes

Notes on Numerical Fluid Mechanics and Multidisciplinary Design

Series Editors: Ernst Heinrich Hirschel, Wolfgang Schröder, Kozo Fujii, Werner Haase, Bram van Leer, Michael A. Leschziner, Maurizio Pandolfi, Jacques Peniaux, Arthur Rizzi, Bernard Roux, ...
show all 11
ISSN: 1612-2909 (Print) 1060-0824 (Online)

Description

The aim of this series is to publish promptly and in a detailed form new material from the field of Numerical Fluid Mechanics and Multidisciplinary Design including the use of advanced computer systems. Reports are published on specialized conferences, workshops, research programs, and monographs.

(2) Search within this series 

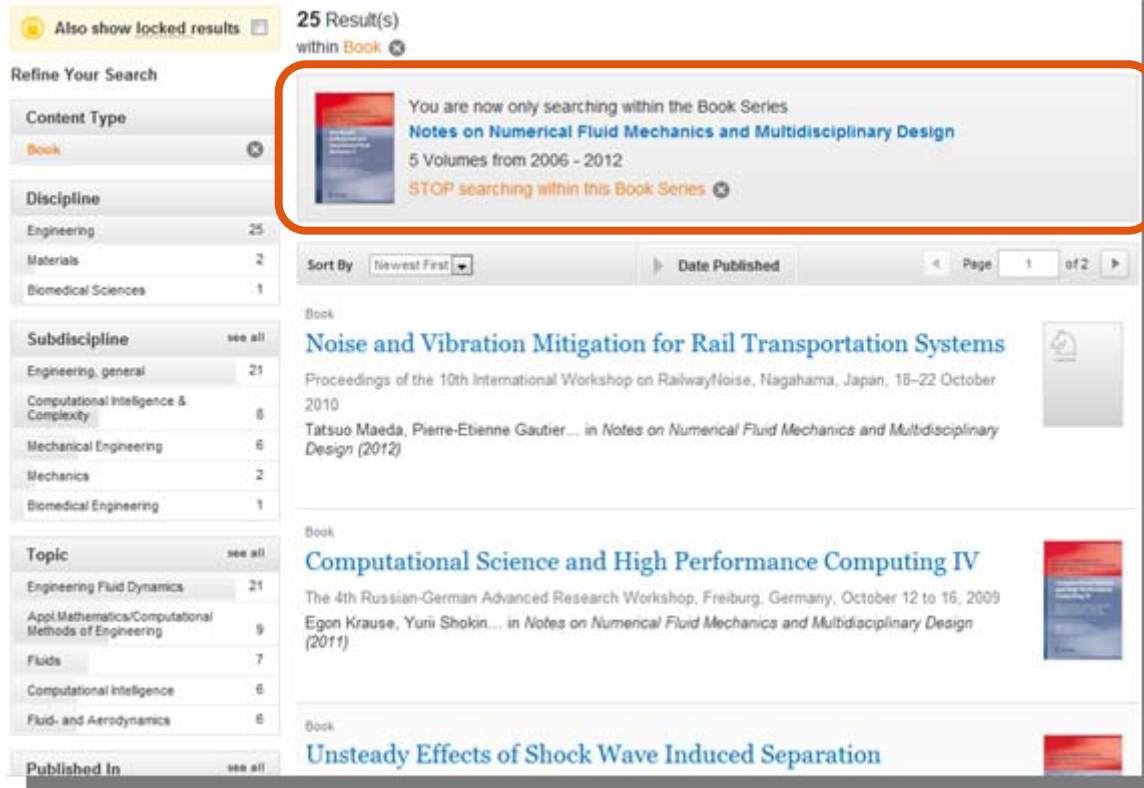


Browse the volumes of a series:

1. To browse through the **volumes of a series** you need to click on the **“Browse volumes”** link offered within the blue action bar on the top of the page.
2. You can also **search within this series for a special keyword** within the blue action bar above the cover .

Both search results will be displayed in the environment of a search result page. You will leave this page.

Search result page on series content



The screenshot shows a search result page on the SpringerLink platform. On the left, there is a sidebar for refining the search, including filters for Content Type (Book), Discipline (Engineering, Materials, Biomedical Sciences), Subdiscipline (Engineering, general, Computational Intelligence & Complexity, Mechanical Engineering, Mechanics, Biomedical Engineering), Topic (Engineering Fluid Dynamics, Appl. Mathematics/Computational Methods of Engineering, Fluids, Computational Intelligence, Fluid- and Aerodynamics), and Published In. The main content area displays 25 results within the 'Book' series. A highlighted box at the top of the results area contains the following text: 'You are now only searching within the Book Series Notes on Numerical Fluid Mechanics and Multidisciplinary Design 5 Volumes from 2006 - 2012 STOP searching within this Book Series'. Below this, the first two results are visible: 'Noise and Vibration Mitigation for Rail Transportation Systems' (Proceedings of the 10th International Workshop on Railway Noise, Nagahama, Japan, 18-22 October 2010) and 'Computational Science and High Performance Computing IV' (The 4th Russian-German Advanced Research Workshop, Freiburg, Germany, October 12 to 16, 2009). The third result, 'Unsteady Effects of Shock Wave Induced Separation', is partially visible at the bottom.

Browse volumes and keyword search result:

On top of this search result page you get an information box offered that makes you aware that these results belong to one book series.

If you click on the title of the series within this info box you will be directed back to the series overview page.

Questions?

- Visit [springer.com/librarians](https://www.springer.com/librarians) for more information

