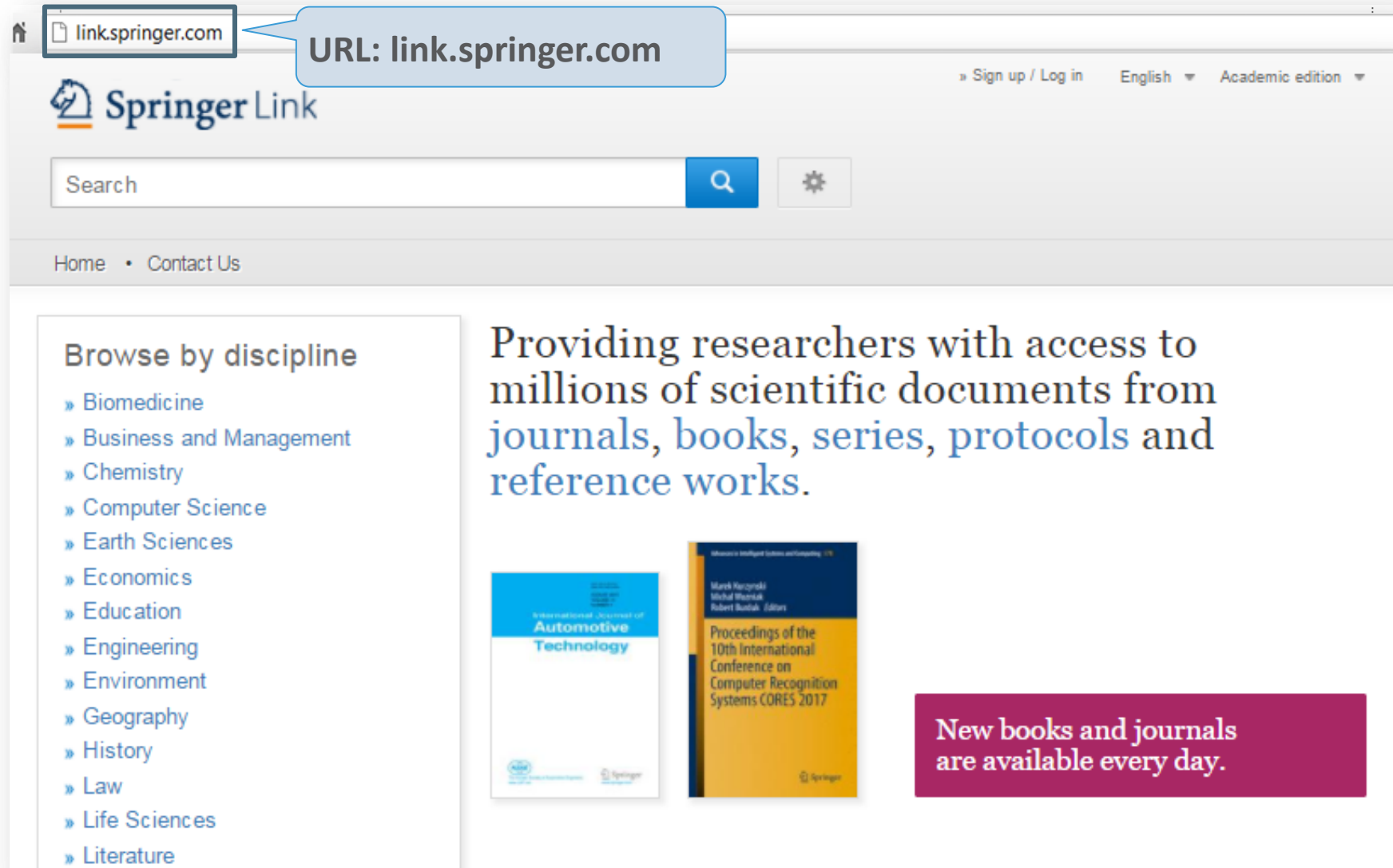


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link.springer.com

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» Sign up / Log in English Academic edition

Springer Link

Search

Home • Contact Us

Browse by discipline

- » Biomedicine
- » Business and Management
- » Chemistry
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- » Economics
- » Education
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- » Environment
- » Geography
- » History
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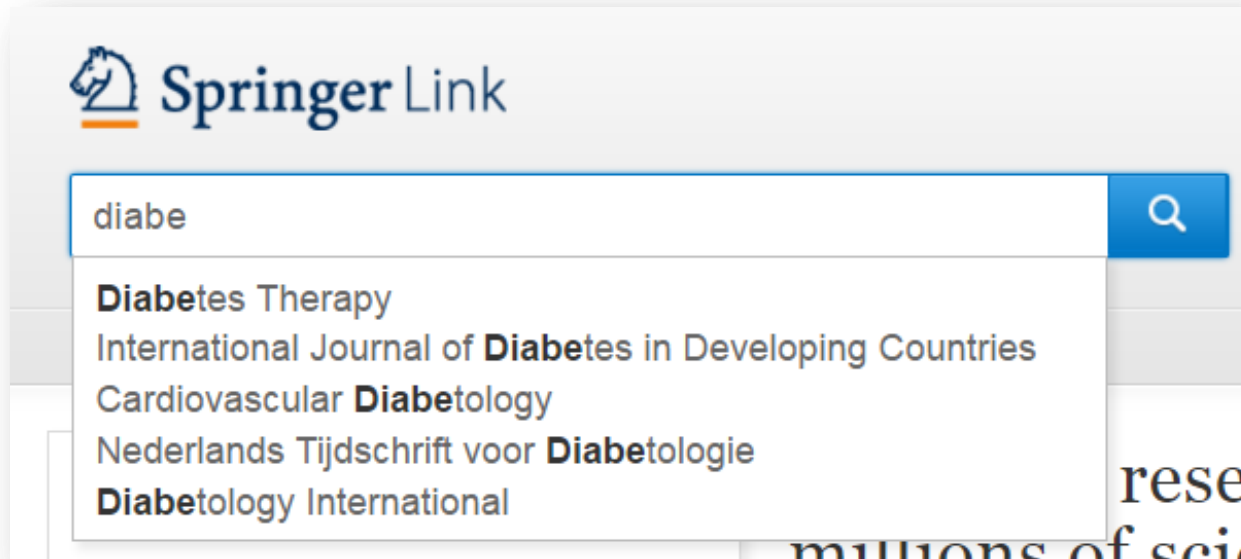
International Journal of Automotive Technology

Proceedings of the 10th International Conference on Computer Recognition Systems CORES 2017

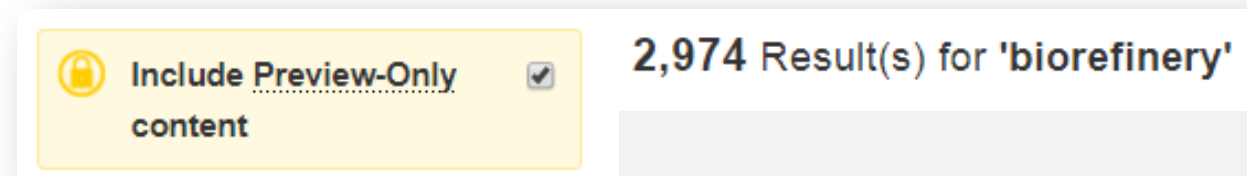
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The screenshot shows the article page for "Validation of macromolecular flexibility in solution by small-angle X-ray scattering (SAXS)" in the European Biophysics Journal. A navigation menu is overlaid on the right side of the page, listing various sections of the article. The menu items are: Article, Abstract, Introduction, SAXS profile as a indicator..., SAXS profiles provide mor..., Accurate computation of S..., Modeling of the conformat..., Distance constraints in rigi..., The conformational ensem..., Conclusions and prospects, Acknowledgments, References, Copyright information, and About this article. The "Article" item is highlighted with a blue arrow pointing to the right, where a larger, detailed view of the abstract is shown.

European Biophysics Journal
October 2012, Volume 41, Issue 10, pp 789–799

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

Authors: Michal Hammel

Open Access | Review

Cite this article as:
Hammel, M. Eur Biophys J (2012) 41: 789. doi:10.1007/s00249-012-0620-x

38 Citations | 1.8k Downloads

Abstract

The dynamics of macromolecular conformations are critical to the action of cellular networks. Solution X-ray scattering studies, in combination with macromolecular X-ray crystallography (MX) and nuclear magnetic resonance (NMR), strive to determine complete and accurate states of macromolecules, providing novel insights describing allosteric mechanisms, supramolecular complexes, and dynamic molecular machines. This review addresses theoretical and practical concepts, concerns, and considerations for using these techniques 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 flexibility from SAXS data followed by critical concerns about the methods used to calculate theoretical SAXS profiles from high-resolution structures. The SAXS profile is a direct interrogation of the thermodynamic ensemble and techniques such as, for example, minimal ensemble search (MES), enhance interpretation of SAXS experiments by describing the SAXS profiles as population-weighted thermodynamic ensembles. I discuss recent developments in computational techniques used for conformational sampling, and how these techniques provide a basis for assessing the level of the flexibility within a sample. Although these approaches sacrifice atomic detail, the knowledge gained from ensemble analysis is often appropriate for developing hypotheses and guiding biochemical experiments. Examples of the use of SAXS and combined approaches with X-ray crystallography, NMR, and computational methods to characterize dynamic assemblies are presented.

Keywords: Small-angle X-ray scattering (SAXS) | Macromolecular flexibility | Rigid-body modeling | Ensemble analysis

Abstract

The dynamics of macromolecular conformations are critical to the action of cellular networks. Solution X-ray scattering studies, in combination with macromolecular X-ray crystallography (MX) and nuclear magnetic resonance (NMR), strive to determine complete and accurate states of macromolecules, providing novel insights describing allosteric mechanisms, supramolecular complexes, and dynamic molecular machines. This review addresses theoretical and practical concepts, concerns, and considerations for using these techniques 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 flexibility from SAXS data followed by critical concerns about the methods used to calculate theoretical SAXS profiles from high-resolution structures. The SAXS profile is a direct interrogation of the thermodynamic ensemble and techniques such as, for example, minimal ensemble search (MES), enhance interpretation of SAXS experiments by describing the SAXS profiles as population-weighted thermodynamic ensembles. I discuss recent developments in computational techniques used for conformational sampling, and how these techniques provide a basis for assessing the level of the flexibility within a sample. Although these approaches sacrifice atomic detail, the knowledge gained from ensemble analysis is often appropriate for developing hypotheses and guiding biochemical experiments. Examples of the use of SAXS and combined approaches with X-ray crystallography, NMR, and computational methods to characterize dynamic assemblies are presented.

Article

Abstract

Introduction

SAXS profile as a indicator...

SAXS profiles provide mor...

Accurate computation of S...

Modeling of the conformat...

Distance constraints in rigi...

The conformational ensem..

Conclusions and prospects

Acknowledgments

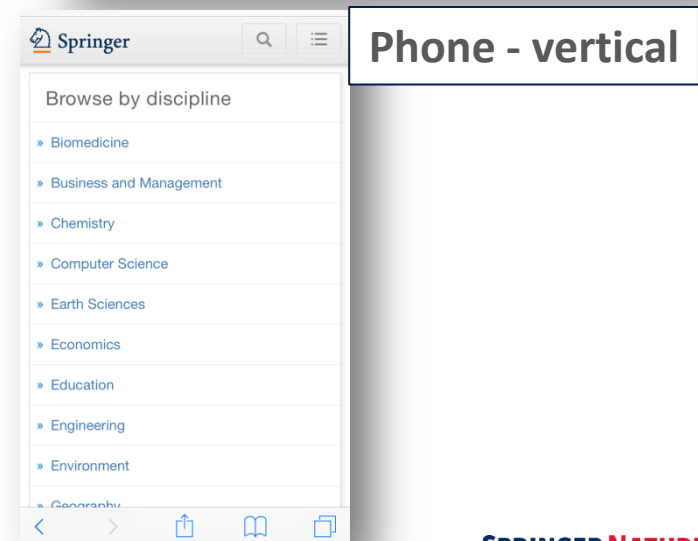
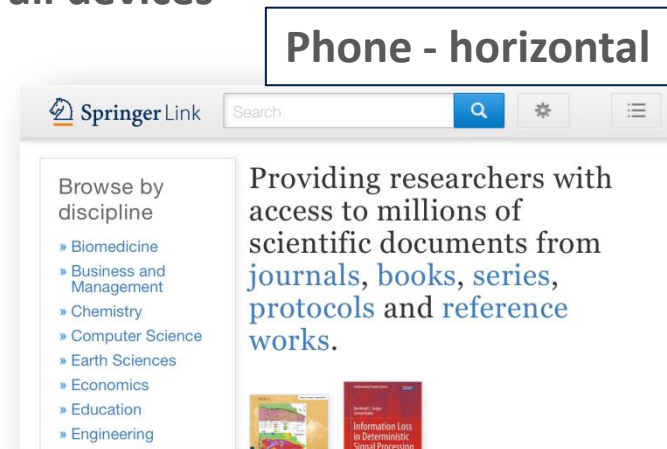
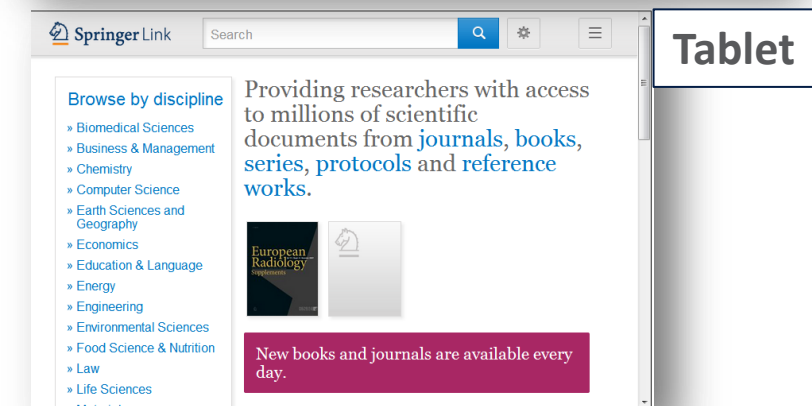
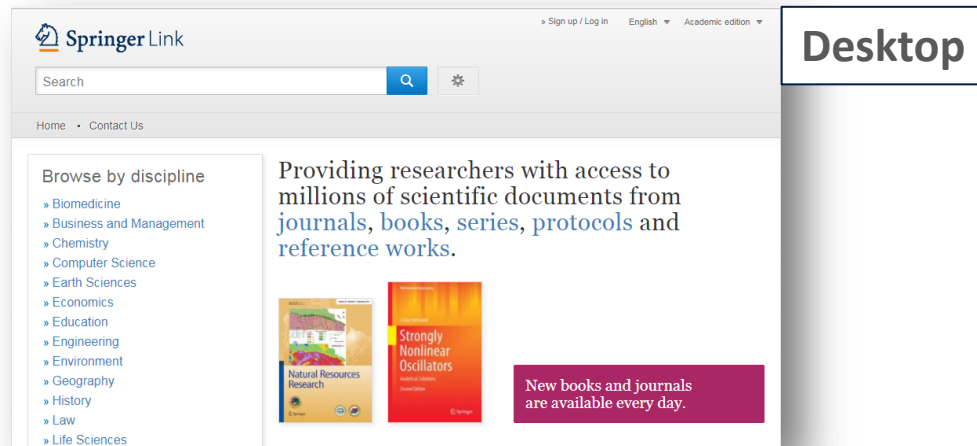
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Mobile optimization

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- **Library branding**
- **Search functionality**
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1.0

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(1) Search

(2) Browse by discipline

- » Biomedicine
- » Business and Management
- » Chemistry
- » Computer Science
- » Earth Sciences
- » Economics
- » Education
- » Engineering
- » Environment
- » Geography
- » History
- » Law
- » Life Sciences
- » Literature
- » Materials Science
- » Mathematics
- » Medicine & Public Health
- » Pharmacy
- » Philosophy
- » Physics
- » Political Science and International Relations
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- » Social Sciences
- » Statistics

(3) 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.

Featured Journals

Featured Books

The homepage is divided into 3 parts:

- 1) Search functionality
- 2) Browse functionality
- 3) Content offered

Homepage

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- 2) Sign up to create an account
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» Sign up / Log in English Academic edition

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Home • Contact Us

Browse by discipline

- » Biomedicine
- » Business and Management
- » Chemistry
- » Computer Science
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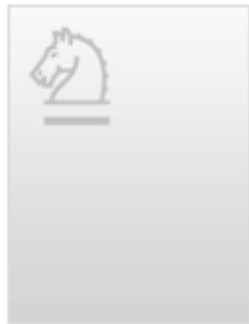
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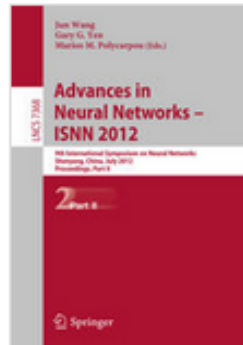
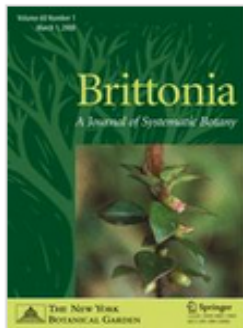
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Homepage – Recognized institutional user

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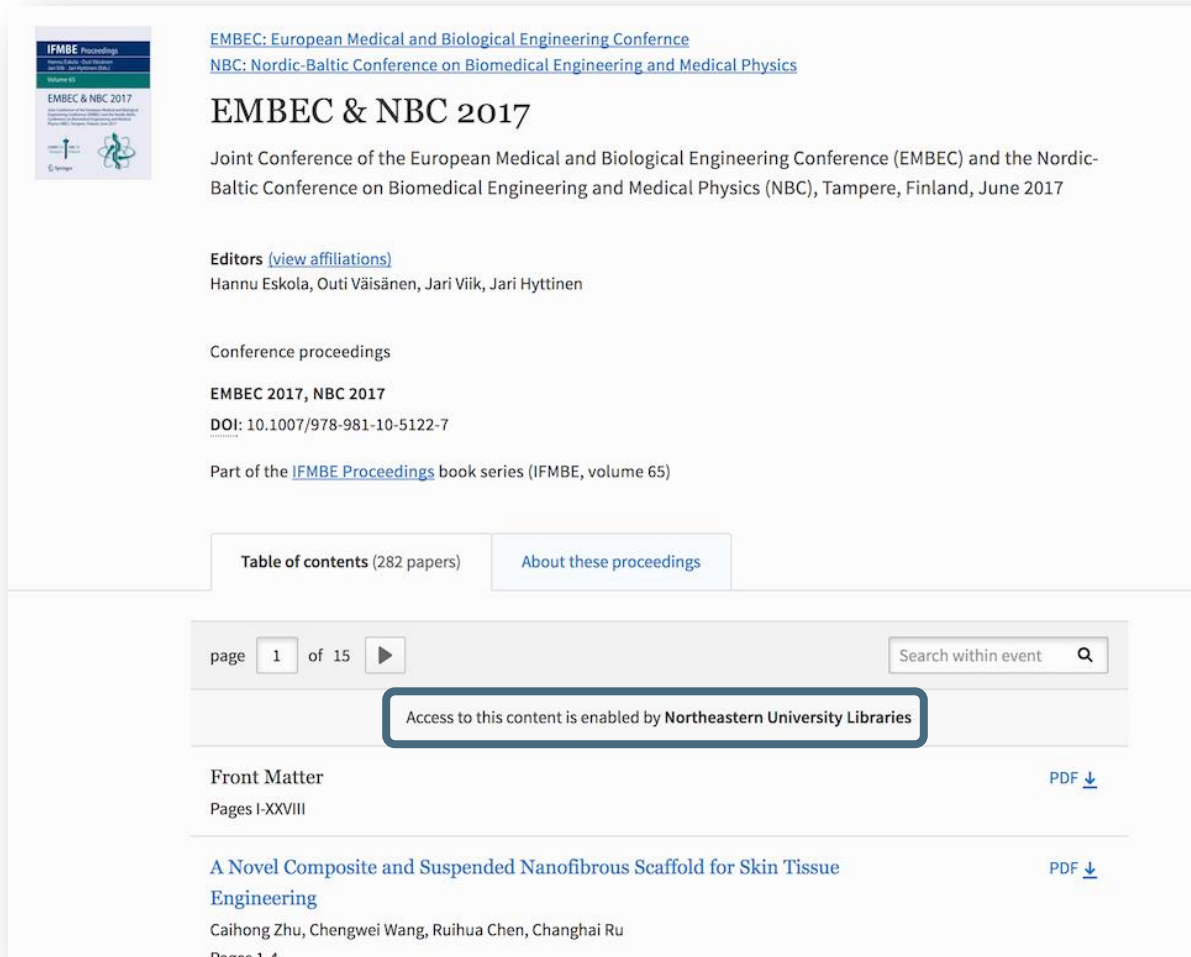


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Library branding



IFMBE Proceedings
Volume 65
EMBEC & NBC 2017

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EMBEC & NBC 2017

Joint Conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017

Editors ([view affiliations](#))
Hannu Eskola, Outi Väisänen, Jari Viik, Jari Hyttinen

Conference proceedings

EMBEC 2017, NBC 2017
DOI: 10.1007/978-981-10-5122-7

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Pages 1-4

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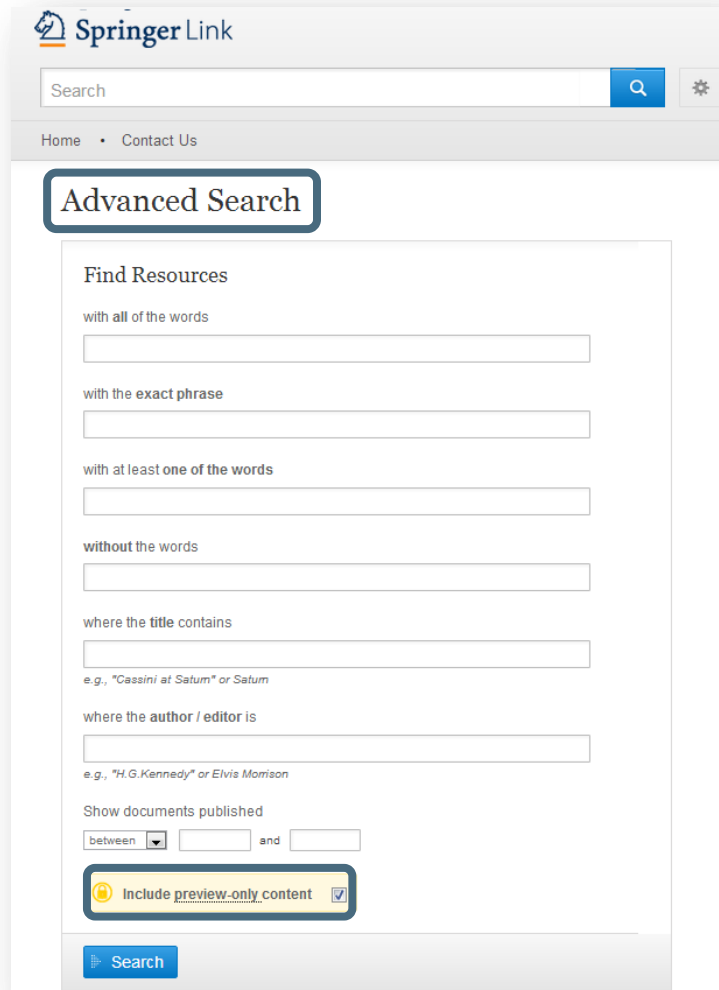
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Search

- 1) Most users access our content through the **search** functionality. The search box is visible on every page
- 2) Advance search options & search help are available as well

Advanced search options



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- 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

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Browse

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Search

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- » Education
- » Engineering
- » Environment
- » Geography
- » History
- » Law
- » Life Sciences
- » Literature
- » Materials Science
- » Mathematics
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- Software Engineering Research, Management and Applications

Browse 11,491,527 resources

Articles	6,095,523
Chapters	3,954,796
Conference Papers	916,173
Reference Work Entries	479,532
Protocols	46,533

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
- (Book) Chapters
- Conference Papers
- References Work Entries
- Protocols

Search results page

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Sort By Relevance Date Published Page 1 of 49,103

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Chapter	482,238
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Protocol	2,625
Book	3

Discipline see all

Medicine & Public Health	217,311
Computer Science	116,879
Life Sciences	94,287
Biomedicine	58,829
Physics	54,615

Subdiscipline see all

Artificial Intelligence (incl. Robotics)	48,450
Information Systems Applications (incl. Internet)	44,430
Oncology	38,828
Internal Medicine	38,571
Information Storage and Retrieval	35,285

Language see all

English	979,198
German	2,848
French	928
Spanish	99
Dutch	87

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Search results page

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Sort By Relevance Date Published Page 1 of 49,163

Chapter
Related documents
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Content Type

Chapter	482,236
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Conference Paper	97,307
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Protocol	2,825
Book	3

Discipline see all

Medicine & Public Health	217,311
Computer Science	116,879
Life Sciences	94,267
Biomedicine	56,829
Physics	54,615

Subdiscipline see all

Artificial Intelligence (incl. Robotics)	48,459
Information Systems Applications (incl. Internet)	44,430
Oncology	38,626
Internal Medicine	36,571
Information Storage and Retrieval	35,265

Language see all

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French	928
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- 1) If you only want to see only results you have access to uncheck the yellow box above the search filters.

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Sort By Relevance Date Published Page 1 of 40,163

(1) Chapter

(2) **Related documents**

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- 2) Title of list item
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- 4) Published in which product
- 5) Download (full-text) PDF or view HTML if available

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(1) Chapter
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Type of content

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

Bigger Units:

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- Book
- Journal
- Reference Work

Smallest Units:

- Chapter
- Protocol
- Article
- Reference Work Entry

Search results page

Springer Link

related documents

983,244 Result(s) for 'related documents'

Sort By: Relevance | Date Published | Page 1 of 49,183

Refine Your Search

Content Type

Chapter	482,230
Article	481,061
Conference Paper	97,307
Reference Work Entry	16,219
Protocol	2,825
Book	3

Discipline see all

Medicine & Public Health	217,311
Computer Science	116,879
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Biomedicine	56,829
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Subdiscipline see all

Artificial Intelligence (incl. Robotics)	48,459
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How many scientific papers are mentioned in policy-related documents? An empirical investigation using Web of Science and Altmetric data

In this short communication, we provide an overview of a relatively newly provided source of altmetrics data which could possibly be used for societal impact measurements in scientometrics. Recently, Altmetric—a ...
Robin Haunschild, Lutz Bornmann in *Scientometrics* (2017)
» Download PDF (339 KB) » View Article

Filter Options

To the left you will find pre-defined filter options that help you to optimize your search result.

The following filter options are available:

- Content type
- Discipline
- Sub-discipline
- Language

Search results page

338,395 Result(s)
within Business & Management

Sort By Newest First


Date Published

Page 1 of 16,920

Show documents published between 1852 and 2018
(Available 1852 - 2018)

Journal
Small Business Economics
Volume 1 / 1989 - Volume 45 / 2015

Article
Productivity growth persistence: firm strategies, size and system properties
This paper investigates the dynamics of productivity in a large sample of Italian manufacturing firms, focusing on the determinants of firm-level persistence in time of high total factor productivity (TFP) gro...
Cristiano Antonelli, Francesco Crespi, Giuseppe Scellato in *Small Business Economics* (2015)



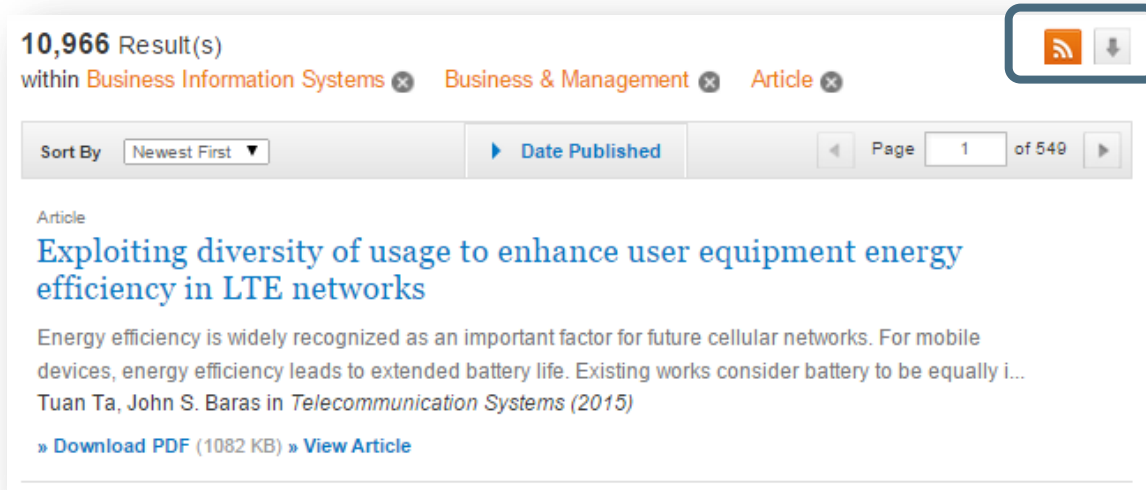
Sort by option

By default search results are sorted by newest first. Further sorting options are:

- Newest First
- Oldest First

You may also choose to search within a specific date range

Search results page



10,966 Result(s)
within [Business Information Systems](#) [Business & Management](#) [Article](#)

Sort By [Newest First](#) [Date Published](#) Page 1 of 549

Article
[Exploiting diversity of usage to enhance user equipment energy efficiency in LTE networks](#)
Energy efficiency is widely recognized as an important factor for future cellular networks. For mobile devices, energy efficiency leads to extended battery life. Existing works consider battery to be equally i...
Tuan Ta, John S. Baras in *Telecommunication Systems (2015)*
[» Download PDF \(1082 KB\)](#) [» View Article](#)

Download List

Above the pagination you will see an arrow displayed that allows you to download the search result as a CSV file.

RSS Feed

You may subscribe to an RSS feed for your search results page by clicking the orange button.

Support & Feedback

The screenshot displays the Springer Link website interface. On the left, a sidebar titled 'Browse by discipline' lists various fields of study. An orange callout box highlights an envelope icon in this sidebar, which is linked to the 'SpringerLink Support & Feedback' modal window. The modal window features a search bar, input fields for 'Requester' and 'Subject', a rich text editor with formatting options (bold, italic, underline, list), a 'Product' dropdown menu, and a reCAPTCHA security check. A 'Send Feedback' button is positioned at the bottom right of the modal.

To the left of the screen is an envelope button that opens into a Support & Feedback form

Product Pages

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

2.0

Product Pages

The screenshot displays the product page for the Journal of Cancer Education. At the top, a blue navigation bar contains a home icon, the text « Browse Volumes & Issues », a search input field with the placeholder text « Search within this journal », and a search icon. Below the navigation bar, the page title « Journal of Cancer Education » is followed by the ISSN information: « ISSN: 0885-8195 (Print) 1543-0154 (Online) ». A « Description » section provides details about the journal's focus on cancer education techniques. A light blue box highlights the availability of « 5 Volumes 19 Issues 502 Articles available from 2007 - 2011 ». Below this is a search form for « Find your Volume or Issue » with input fields for « Volume » and « Issue », a search icon, and a button labeled « All Volumes & Issues ». The « Latest Articles » section lists several articles, including one by Maura C. Sch... with options for « Free Preview » and « Get Access ». A blue bar at the bottom of the article content contains these two options. Below the article text, a list of related content is shown: « Related (5) », « Supplementary Material (0) », « References (0) », and « About this Article ».

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

Sort By Relevance Date Published Page 1 of 193

Protocol

Stereochemistry and Validation of Macromolecular Structures

Macromolecular structure is governed by the strict rules of stereochemistry. Several approaches to the validation of the correctness of the interpretation of crystallographic and NMR data that underlie the ... in...
Alexander Wlodawer in *Protein Crystallography* (2017)

» Download PDF (589 KB) » View Protocol

Article

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

The dynamics of macromolecular conformations are critical to the action of cellular networks. Solution X-ray scattering studies, in combination with macromolecular X-ray crystallography (MX) and nuclear magnet...
Michal Hammel in *European Biophysics Journal* (2012)

» Download PDF (748 KB) » View Article

Protocol

Data Mining of Macromolecular Structures

The use of macromolecular structures is widespread for a variety of... structure principles all ... the years toward becoming the standard...
Bart van Beusekom, Anastassis Perrakis... in *Data Mining Techniq*

» Download PDF (631 KB) » View Protocol

Open Access Indicators will show on:

- 1) Search results page
- 2) Article / Chapter page

European Biophysics Journal
October 2012, Volume 41, Issue 10, pp 789–799

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

Authors Authors and affiliations

Michal Hammel

(1) [Open Access](#)

(2) [Open Access](#) Review

First Online: 26 May 2012
DOI: 10.1007/s00249-012-0820-x

Cite this article as:
Hammel, M. *Eur Biophys J* (2012) 41: 789. doi:10.1007/s00249-012-0820-x

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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**

3.0

Journal Homepage

(1) [Browse Volumes & Issues](#)

(2) Search within this journal

(3) Analytical and Bioanalytical Chemistry (7)

(4) ISSN: 1618-2642 (Print) 1618-2650 (Online)
 This journal was previously published under other titles ([view Journal History](#))

(5) Description
 Analytical and Bioanalytical Chemistry (ABC) is a truly international journal with a mission to publish excellent research papers from all areas of analytical and bioanalytical science.

Author Benefits

- Online publication in about 20 days from acceptance
- No submission fee for full-color illustrations of accepted articles
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(6) Latest Articles

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 Claudia Frank, Christine Brauckmann, Marie Palos... (July 2017)
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(8) Journal Metrics

Impact Factor	Available
3,431	1862 - 2017
Volumes	Issues
409	2,455
Articles	Open Access
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(9) Stay up to Date

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Functionality Overview

- 1) Browse Volumes & Issues
- 2) Search within this journal
- 3) Journal Title
- 4) Journal ISSN
- 5) Journal description
- 6) List of latest articles
- 7) Journal Cover
- 8) Journal metrics and content coverage
- 9) Alerts & More information
- 10) Volumes & Issues Navigation
- 11) Sharing options

Journal Homepage – Search within this journal

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Analytical and Bioanalytical Chemistry

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Impact Factor	Available
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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.

Typical text slide and bullets

25,261 Result(s) for 'results'

You are now only searching within the Journal **Analytical and Bioanalytical Chemistry**
STOP searching within this Journal

Sort By: Relevance | Date Published | Page 1 of 1,264

Article
Non-extractive and specific radioimmunoassay for cortisol: Results using a pure cortisol-C₃-derivative for antigen and tracer production
 G. Stalla, G. Giesemann, O. A. Müller... in *Fresenius' Zeitschrift für analytische Chemie*... (1980)
[» Download PDF](#) (106 KB)

Article
First results of two external intercomparison programmes for the determination of organochlorine compounds in blood specimens relevant in environmental and occupational medicine
 Since 1982, the German Society of Occupational Medicine has offered intercomparison programmes for external quality control in the toxicological analyses of biological materials. In the last two round robins the ...
 K. H. Schaller, J. Angerer, G. Lehnert in *Fresenius' Journal of Analytical Chemistry* (1993)
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Content Type	
Article	25,261
Discipline	
Chemistry	22,651
Chemistry and Materials Science	154
Medicine	4
Subdiscipline see all	
Analytical Chemistry	20,849
Food Science	20,849
Inorganic Chemistry	13,169
Physical Chemistry	13,169
Monitoring/Environmental Analysis/Environmental Ecotoxicology	10,484
Language	
English	21,968
German	3,286
French	7

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

(1) [Browse Volumes & Issues](#)

Search within this journal

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 Claudia Frank, Christine Brauckmann, Marie Palos... (July 2017)
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(3) [Find a Volume or Issue](#)

Volume Issue Find

Volumes & Issues Navigation

- 1) On the journal homepage you can press the All Volumes and Issues link within the blue bar on top of the page
- 2) You can also use the blue Browse Volumes & Issues button for the same overview
- 3) To the right of the Latest Articles you find a gray box that allows you to navigate specific volumes and issues

Typical text slide and bullets

The screenshot displays the journal's homepage. At the top, there is a navigation bar with a home icon and 'Up to Journal' text, and a search box labeled 'Search within this journal'. Below the journal title, the ISSN numbers (1618-2642 Print, 1618-2650 Online) and a note about previous titles are shown. The 'All Volumes & Issues' section features a 'Volumes' tab and a 'Topical Collections' tab. A dropdown menu for 'Online First' is set to '(3)'. A list of volumes from 402 to 409 is visible, with Volume 409 selected. A callout box (2) provides details for Volume 409, listing three issues with their respective page ranges and article titles. Callout (1) points to the volume selection bar.

Analytical and Bioanalytical Chemistry
 ISSN: 1618-2642 (Print) 1618-2650 (Online)
 This journal was previously published under other titles ([view Journal History](#))

All Volumes & Issues

Volumes Topical Collections

▼ Online First (3)

View articles not assigned to an issue

(1) ▶ Volume 409 January 2017 - July 2017

▶ Volume 408 January 2016 - December 2016

▶ Volume 407 January 2015 - December 2015

▶ Volume 406 January 2014 - December 2014

▶ Volume 405 January 2013 - December 2013

▶ Volume 404 July 2012 - December 2012

▶ Volume 403 April 2012 - July 2012

▶ Volume 402 January 2012 - April 2012

▼ Volume 409 January 2017 - July 2017 (2)

July 2017, Issue 18, Pages 4301-4479

July 2017, Issue 17, Pages 4111-4300
 Pink tea challenge/High-throughput analysis of sub-visible mAb aggregate particles/Electromembrane extraction of highly polar basic drugs/Analysis of honeybush tea volatiles by GC×GC

June 2017, Issue 16, Pages 3901-4109
 Characterization of odorants in inflatable aquatic toys/Functional AuNPs for optical affinity biosensing/MS/MS of Drosophila brain lipids/Optimal filter substrate for microplastic identification

June 2017, Issue 15, Pages 3707-3900
 Nanofluids and chemical highly retentive hydrogels for cleaning/Data-dependent isotopologue fragmentation in ¹³CMFA/Identification of odorants in incense cedar wood/Functionalized DNA nanopore for tumor cell recognition

All Volumes and Issues

- 1) You see 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. If you click on the gray volume bar, the content of this volume is shown
- 3) Clicking on the tab for Online First will allow you to search for latest articles which are not yet assigned to an issue

Journal Homepage

▼ **About this Journal**

(1) Journal Title
Analytical and Bioanalytical Chemistry

Coverage
Volume 1/1862 - Volume 409/2017

Print ISSN
1618-2642

Online ISSN
1618-2650

Publisher
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- » Analytical Chemistry
- » Biochemistry, general
- » Laboratory Medicine
- » Characterization and Evaluation of Materials
- » Food Science
- » Monitoring/Environmental Analysis

(4) Industry Sectors

- » Pharma
- » Materials & Steel
- » Automotive
- » Chemical Manufacturing
- » Health & Hospitals
- » Biotechnology
- » Finance, Business & Banking
- » Electronics
- » IT & Software
- » Telecommunications
- » Consumer Packaged Goods
- » Energy, Utilities & Environment
- » Aerospace
- » Oil, Gas & Geosciences
- » Engineering

(5) ▼ Journal History

Previous Title	Print ISSN	Online ISSN
Fresenius' Journal of Analytical Chemistry	0937-0633	1432-1130
Fresenius' Journal of Analytical Chemistry	0016-1152	1618-2650
Journal of Analytical Chemistry	0016-1152	1618-2650

About this Journal

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- 1) The bibliographic information
- 2) Additional Links, to Register for Journal Updates, Editorial Board Manuscript Submission and About this Journal
- 3) Topics links to related search results
- 4) Industry Sectors links to related search results
- 5) Journal History with details of previous titles

Journal Article

- **Functionality Overview**
- **Title and author information**
- **Navigation, HTML links, download and export**
- **Related content**
- **Supplementary Material**
- **About this Article**

4.0

Journal Article

(1)  (2) [Theoretical and Applied Genetics](#) – June 2013, Volume 126, [Issue 6](#), pp 1563–1574

(3) QTL for root angle and number in a population developed from bread wheats (*Triticum aestivum*) with contrasting adaptation to water-limited environments

Authors [Authors and affiliations](#)

(4) Jack Christopher , Mandy Christopher, Raeleen Jennings, Shirley Jones, Susan Fletcher, Andrew Borrell, Ahmad M. Manschadi, David Jordan, Emma Mace, Graeme Hammer

(5) Original Paper
First Online: 24 March 2013

(6) DOI: 10.1007/s00122-013-2074-0

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Abstract

Root architecture traits in wheat are important in deep soil moisture acquisition and may be used to improve adaptation to water-limited environments. The genetic architecture of two root

Functionality Overview

- 1) Journal Cover
- 2) Journal Title
- 3) Article Title
- 4) Author information
- 5) Year of Publication
- 6) ISSN information
- 7) Download PDF
- 8) Export citation
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- 10) HTML links
- 11) Citations

Journal Article



Theoretical and Applied Genetics
June 2013, Volume 126, Issue 6, pp 1563–1574

QTL for root angle and number in a population developed from bread wheats (*Triticum aestivum*) with contrasting adaptation to water-limited environments

Authors: Jack Christopher, Mandy Christopher, Raeleen Jennings, Shirley Jones, Susan Fletcher, Andrew Borrell, Ahmad M. Manschadi, David Jordan, Emma Mace, Graeme Hammer

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Abstract

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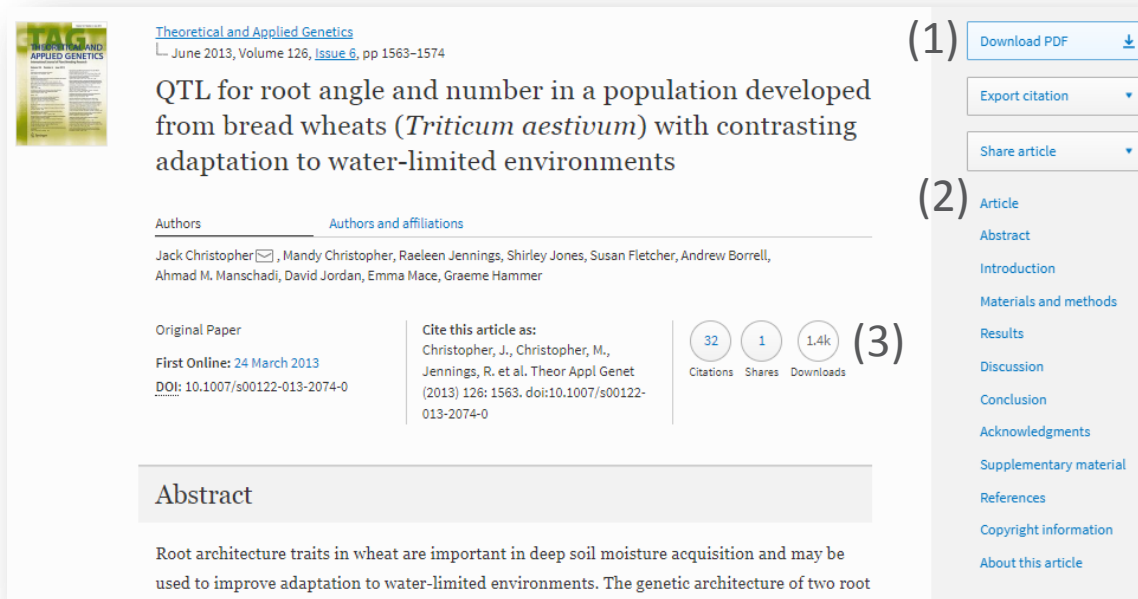
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Journal Article



Theoretical and Applied Genetics
June 2013, Volume 126, Issue 6, pp 1563–1574

QTL for root angle and number in a population developed from bread wheats (*Triticum aestivum*) with contrasting adaptation to water-limited environments

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- 2) Following this are links to content in the HTML, such as article Abstract, any Supplementary material and References (as available)
- 3) Below the main article information you will find different article metrics

Journal Article



Theoretical and Applied Genetics
June 2013, Volume 126, Issue 6, pp 1563–1574

QTL for root angle and number in a population developed from bread wheats (*Triticum aestivum*) with contrasting adaptation to water-limited environments

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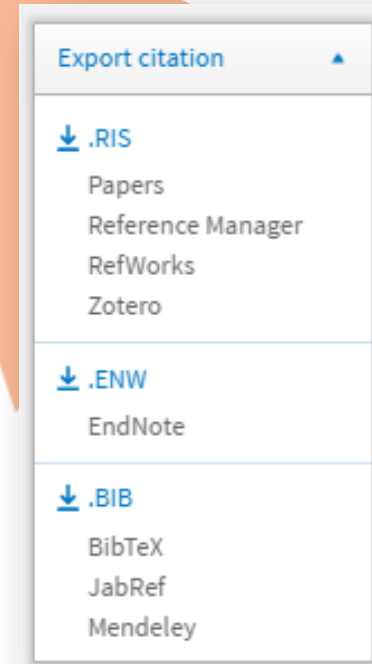
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Journal Article

References

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[PubMed](#) [Google Scholar](#)

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Borrell AK, Incoll LD, Dalling MJ (1991) The influence of the *Rht 1* and *Rht 2* alleles on the growth of wheat stems and ears. *Ann Bot* 67:103–110
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Nikolaev, A. A.... Upelniek, V. P.
Russian Journal of Genetics (2009)
3. [Nitrogen Level and Seeding Rate Effects on the Performance of Hulled Wheats \(*Triticum monococcum* L., *T. dicoccum* Schubler and *T. spelta* L.\) Evaluated in Castagna, R.... Rocchetti, G.](#)
Journal of Agronomy and Crop Science (1996)

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Admin Dashboard

- Access
- Organization entitlements
- COUNTER Reports usage
- Member List
- Settings

10.0

Admin Dashboard

The screenshot shows the Springer Link website interface. At the top right, there is a navigation bar with links for 'Sign up / Log in', 'English', and 'Academic edition'. A search bar is located below the navigation bar. A large arrow labeled '(2)' points to the 'Admin Dashboard' link in the breadcrumb navigation. Another arrow labeled '(1)' points to the 'Sign up / Log in' link in the top right corner. The main content area features a 'Browse by discipline' sidebar with a list of subjects: Biomedicine, Business and Management, Chemistry, Computer Science, Earth Sciences, Economics, Education, Engineering, Environment, Geography, History, and Law. The central text reads: 'Providing researchers with access to millions of scientific documents from journals, books, series, protocols and reference works.' Below this text are two book covers: 'WATER RESOURCES MANAGEMENT' and 'A Comprehensive Guide Through the Italian Database Research Over the Last 25 Years'. A purple banner at the bottom right states: 'New books and journals are available every day.'

Overview

- 1) Log in with your Admin credentials
- 2) Access the Admin Dashboard via link under the search box

Admin Dashboard

(1) Home • My Organisation • Usage • Title Lists • Settings

Welcome to the Springer Admin Portal

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[SpringerLink](#) • [Springer for R&D](#) • [Springer for Hospitals & Health](#) • [SpringerMaterials](#) • [AdisInsight](#)


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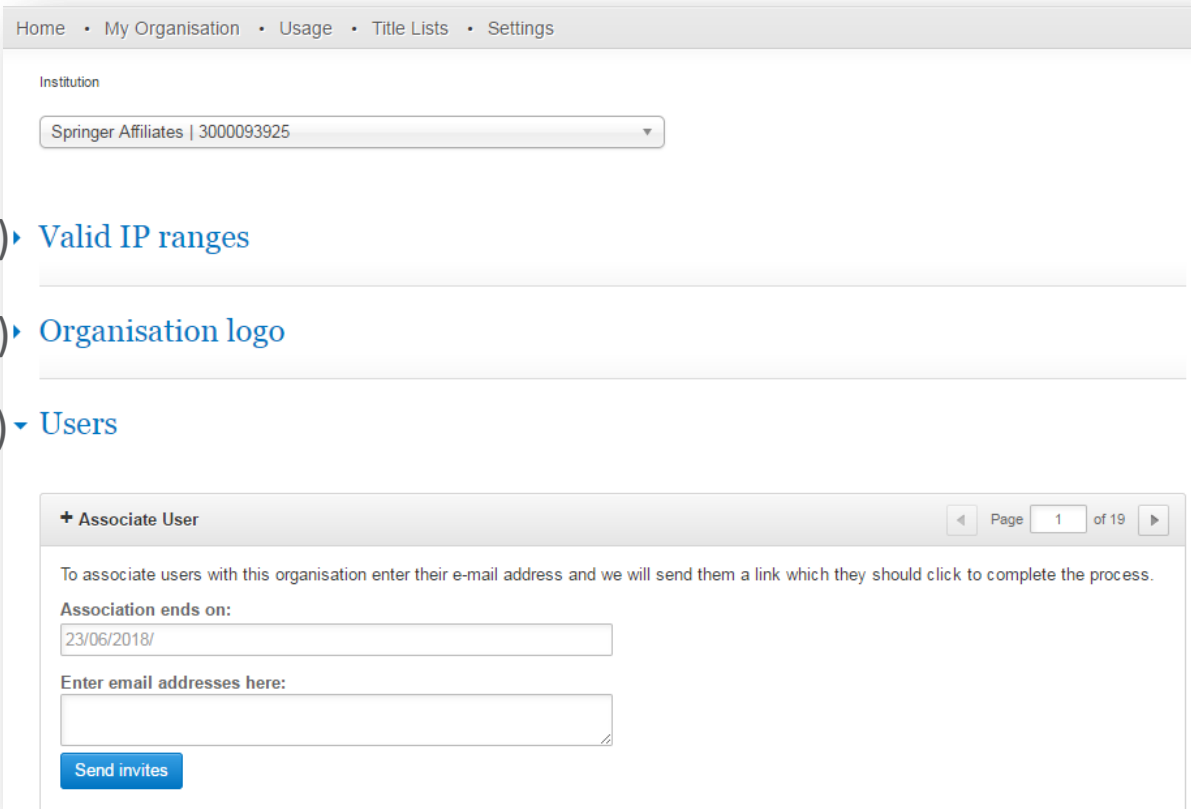
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- 1) Tabs to Admin services
- 2) Twitter feed of Admin news - follow @SpringerDash
- 3) Link to the Help Desk
- 4) Link to Library Resources
- 5) Product Links
- 6) Sales & Subscription Links

Admin Dashboard



Home • My Organisation • Usage • Title Lists • Settings

Institution

Springer Affiliates | 3000093925

- (1) Valid IP ranges
- (2) Organisation logo
- (3) Users

+ Associate User Page 1 of 19

To associate users with this organisation enter their e-mail address and we will send them a link which they should click to complete the process.

Association ends on:
23/06/2018/

Enter email addresses here:

Send invites

My Organization tab

- 1) View the valid IP ranges
- 2) Add or update your organization's logo
- 3) Manage your users or associate a new user by adding the emails here. You can also set a date for the association to expire if you wish. An association code will be sent to each.

Admin Dashboard

Usage tab

- 1) Download various COUNTER Reports
- 2) View deposit contract balances if applicable (Corporate customers)

(1) COUNTER reports

Home • My Organisation • Usage • Title Lists • Settings

Institution
Springer Affiliates |

(1) COUNTER reports

Platform:
Springer Link

Report type:
JR1: Journal article downloads by month

Format:
EXCEL

Date range:
Jan 2015 to Aug 2015

Download report

[Find out more about COUNTER reporting and our SUSHI service](#)

(2) Deposit contract balances

Admin Dashboard

Home • My Organisation • Usage • Title Lists • Settings

Institution
Springer Affiliates | ▾

▾ My SpringerLink content holdings

My organisation's holdings: Titles which your organisation has access to because you have a contract with us.
My consortia holdings: Titles which your organisation has access to because you are a member of a consortium.

(1)

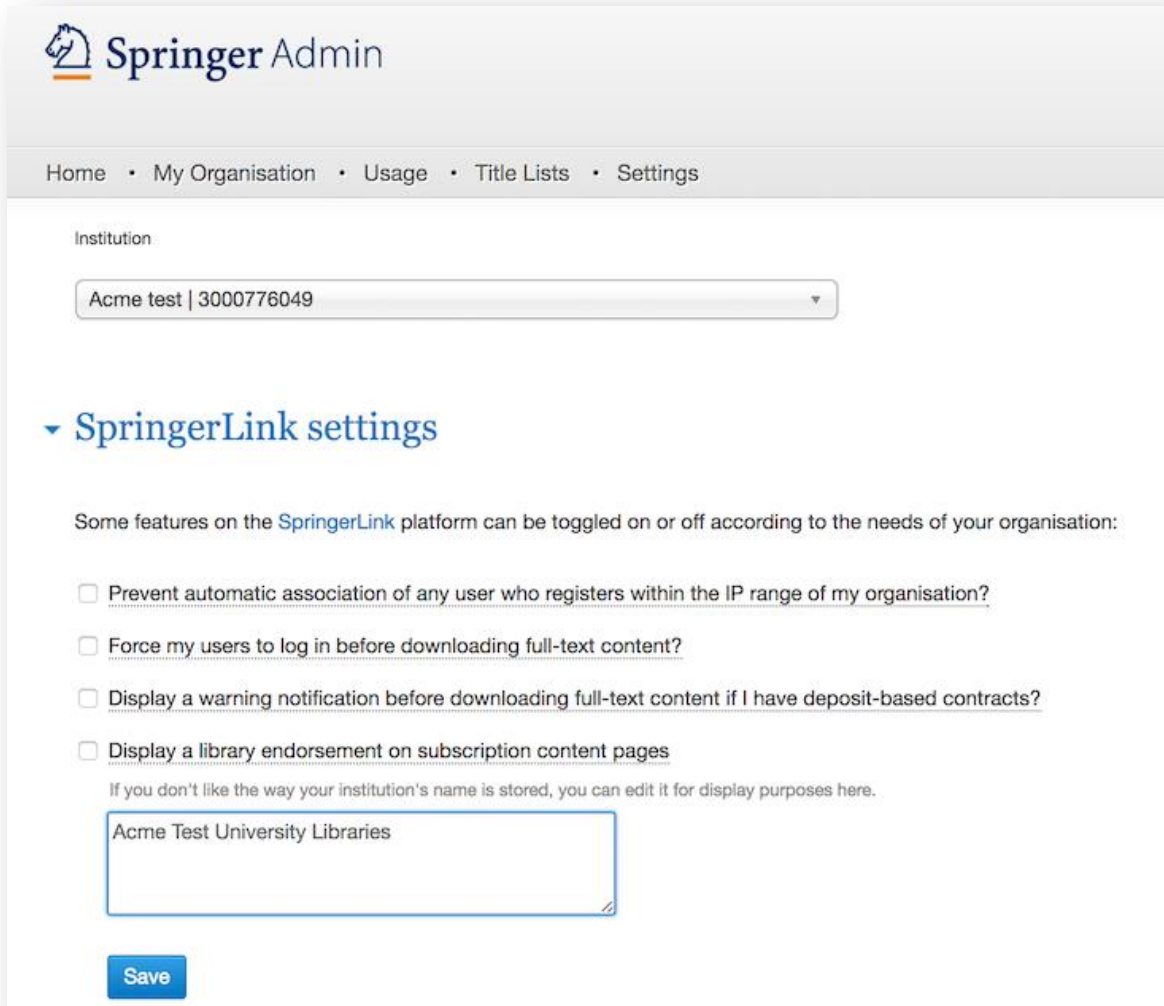
(2) [Download Book list](#) [Download Journal list](#)

Helping you control access to, and understand usage of Springer content

Title Lists tab

- 1) Review the content holdings for your organization or consortium.
- 2) Book and Journal Lists of the organization you have selected in the dropdown box above.

Admin Dashboard



The screenshot shows the Springer Admin interface. At the top left is the Springer logo and the text "Springer Admin". Below this is a breadcrumb navigation bar with links for "Home", "My Organisation", "Usage", "Title Lists", and "Settings". The main content area is titled "Institution" and shows a dropdown menu with the selected value "Acme test | 3000776049". Below this is a section titled "SpringerLink settings" with a downward arrow. The text below reads: "Some features on the SpringerLink platform can be toggled on or off according to the needs of your organisation:". There are four checkboxes, all of which are currently unchecked:

- Prevent automatic association of any user who registers within the IP range of my organisation?
- Force my users to log in before downloading full-text content?
- Display a warning notification before downloading full-text content if I have deposit-based contracts?
- Display a library endorsement on subscription content pages

Below the checkboxes is a text input field with the value "Acme Test University Libraries". At the bottom left of the settings area is a blue "Save" button.

Settings tab

Options are explained in more detail as you move the mouse over, including display of Institutional name and Library Branding.

Questions?

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

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