



Springer

the language of science



S D L

المكتبة الرقمية السعودية
Saudi Digital Library

Springer

Part of the Saudi Digital Library eResources Training Program

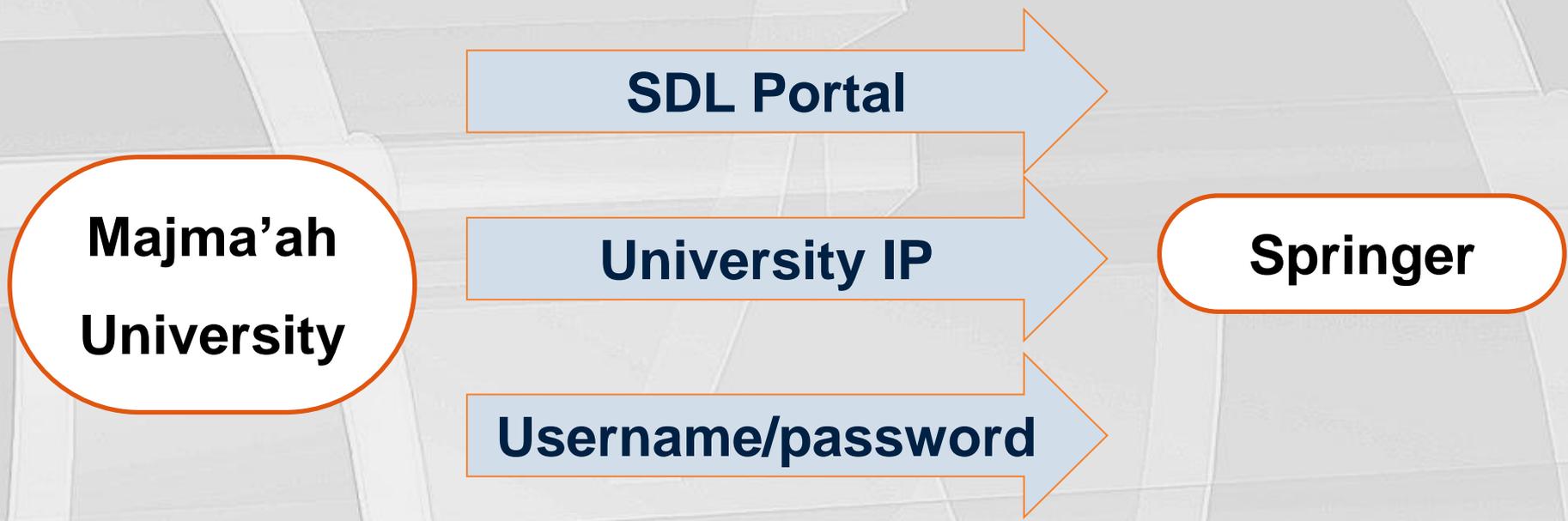
Majma'ah University

12th December 2011

Ismael Touq, Training Specialist

Introduction:

How To Access Springer Databases





Springer

the language of science

المكتبة الرقمية السعودية

SAUDI DIGITAL LIBRARY

SDL Portal

البحث الموحد



SUMMON TRIAL



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IGI Global



eBrary



Taylor & Francis



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Gale Virtual



Sciencedirect



Springer



الجامع الكبير



Sage

Oxford

Lippincott's

Wiley InterScience

Springer Protocols

Springer Images

Springer Materials

safari

Username/password

Username: SaudiDigital

Password: sdl1357

SpringerImages
SpringerMaterials

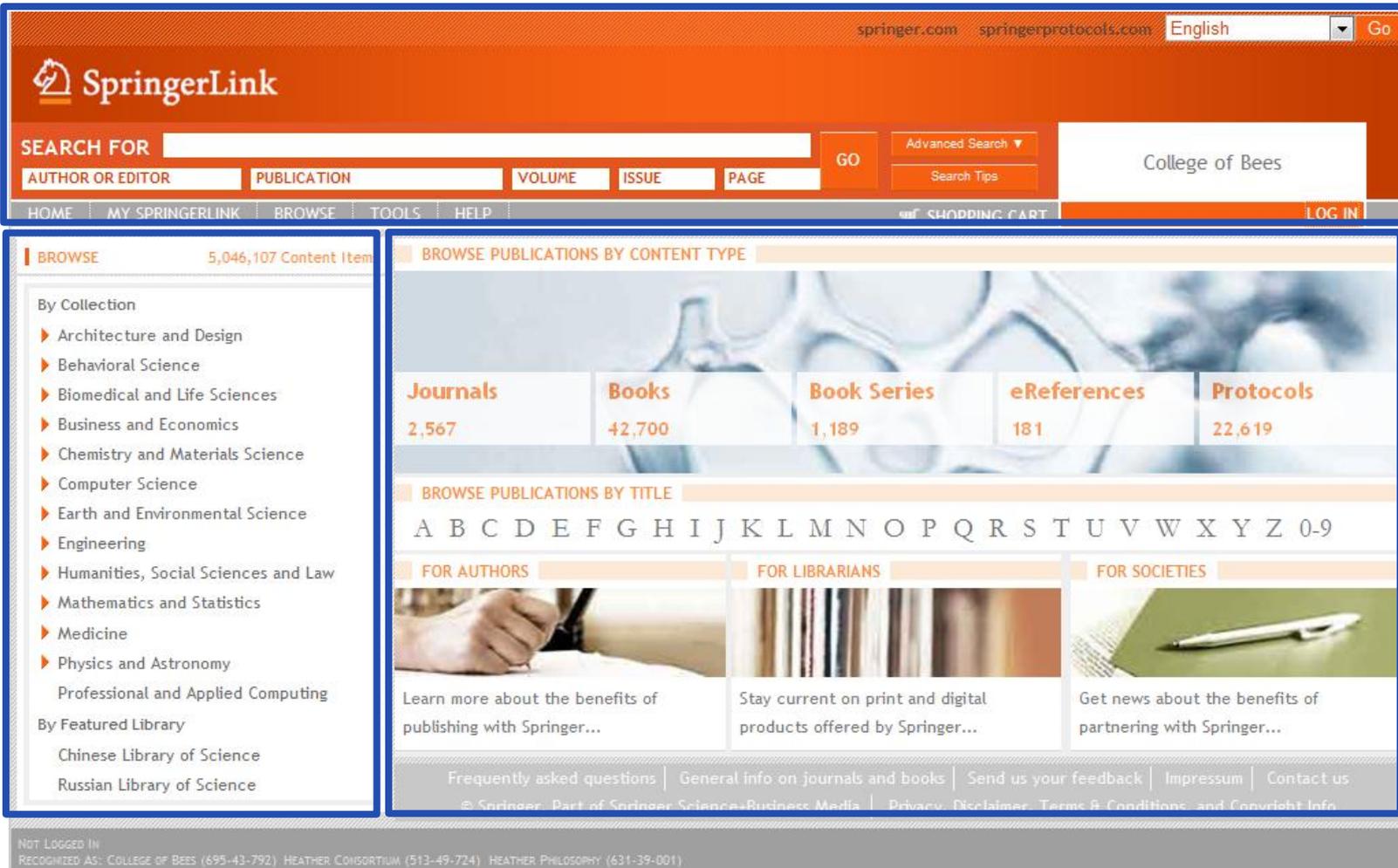
- 1. SpringerLink.com**
- 2. SpringerProtocols.com**
- 3. SpringerImages.com***
- 4. SpringerMaterials.com***
- 5. SpringerReferences.com**
- 6. Z MATH**

***Username: SaudiDigital**
Password: sdl1357

1. SpringerLink.com

- Homepage and Search Functions**
- Other Search / Browse Options**
- The Search Results**
- The new 'Look Inside' functionality**
- Personalization and Other Functionalities**

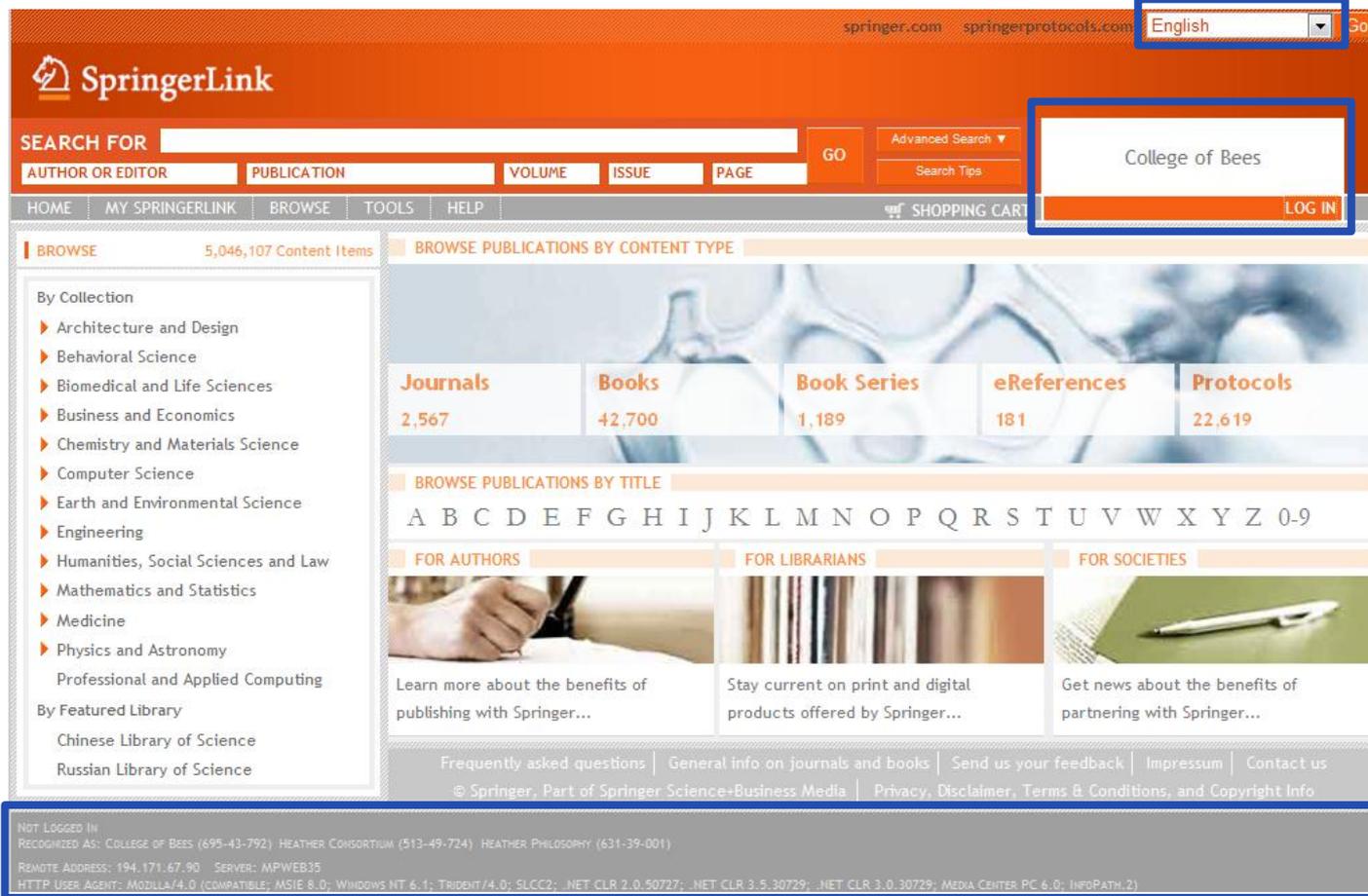
Homepage consists of three parts



The screenshot shows the SpringerLink homepage with the following components:

- Header:** Includes the SpringerLink logo, navigation links (HOME, MY SPRINGERLINK, BROWSE, TOOLS, HELP), and a shopping cart icon.
- Search Bar:** A search input field with a "GO" button and a dropdown menu for "Advanced Search".
- Navigation:** A horizontal menu with categories: AUTHOR OR EDITOR, PUBLICATION, VOLUME, ISSUE, PAGE.
- Content Type Summary:** A table showing the number of publications by content type:

Journals	Books	Book Series	eReferences	Protocols
2,567	42,700	1,189	181	22,619
- Alphabetical Index:** A row of letters from A to Z followed by 0-9 for browsing publications by title.
- Targeted Content:** Three sections for "FOR AUTHORS", "FOR LIBRARIANS", and "FOR SOCIETIES" with corresponding images and text.
- Footer:** Contains frequently asked questions, general info, feedback, impressum, and contact information.



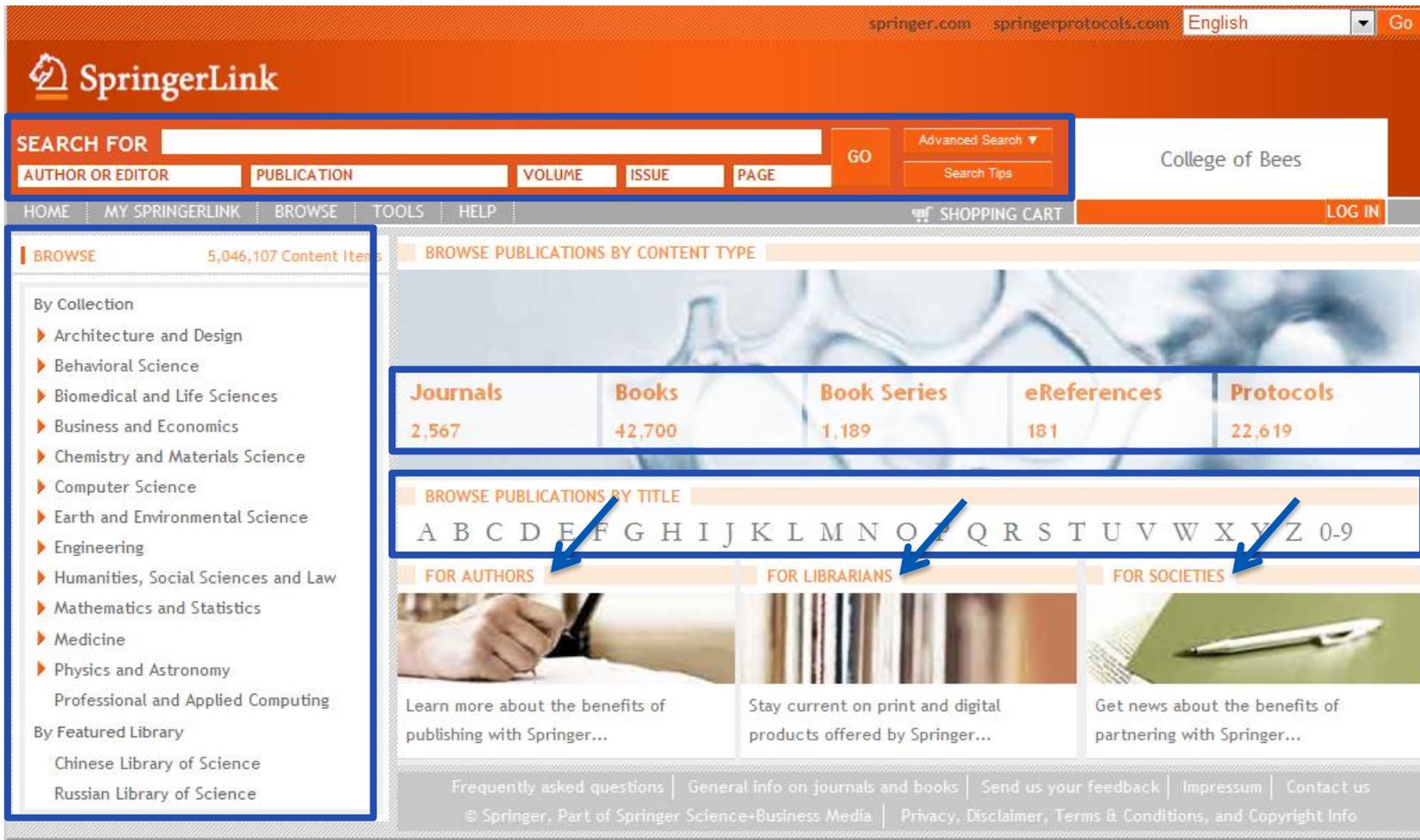
The screenshot shows the SpringerLink website interface. Key features are highlighted with blue boxes:

- Language Selection:** A dropdown menu in the top right corner is set to "English".
- Search Bar:** A search bar with the text "College of Bees" is visible, along with a "GO" button and a "Search Tips" link.
- Navigation:** A navigation bar includes links for "HOME", "MY SPRINGERLINK", "BROWSE", "TOOLS", "HELP", and "SHOPPING CART".
- Content Type Summary:** A section titled "BROWSE PUBLICATIONS BY CONTENT TYPE" displays counts for Journals (2,567), Books (42,700), Book Series (1,189), eReferences (181), and Protocols (22,619).
- Footer:** A grey bar at the bottom contains technical information, including "NOT LOGGED IN", "RECOGNIZED AS: COLLEGE OF BEES (695-43-792)", "HEATHER CONSORTIUM (513-49-724)", "HEATHER PHILOSOPHY (631-39-001)", "REMOTE ADDRESS: 194.171.67.90", "SERVER: MPWEB35", and "HTTP USER AGENT: MOZILLA/4.0 (COMPATIBLE; MSIE 8.0; WINDOWS NT 6.1; TRIDENT/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; MEDIA CENTER PC 6.0; INFOPATH.2)".

- 1 More language interfaces to be released.
- 2 Institutional branding appears in the top right corner of every page. Administrators can upload their institutions' logo.

- 3 In the grey bar, on every page, the user can see how he or she is being recognized and whether or not the user is logged in. In case the user needs assistance from customer service, the Metapress ID and the IP address can be found here as well.

There are 4 different ways to search or browse content

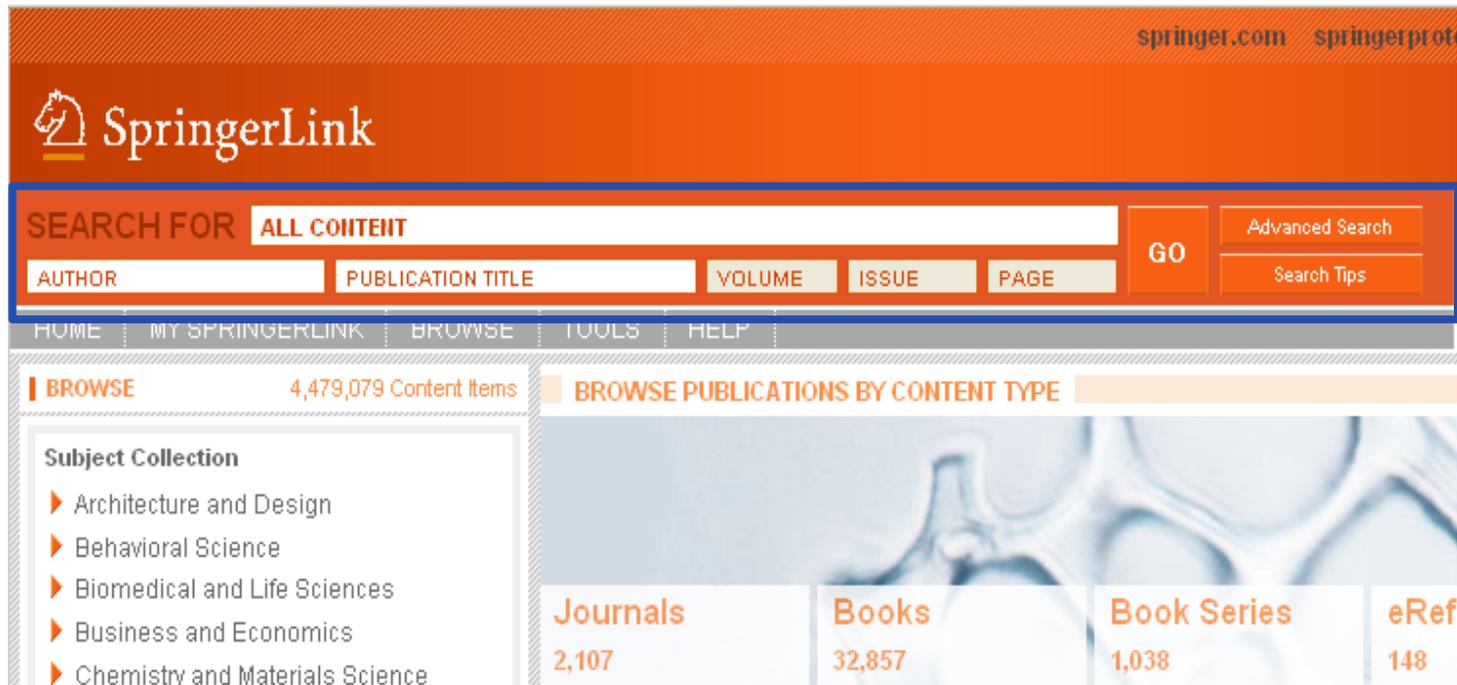


The screenshot shows the SpringerLink website interface. At the top, there are links for 'springer.com' and 'springerprotocols.com', a language dropdown set to 'English', and a 'Go' button. The SpringerLink logo is prominently displayed. Below the logo is a search bar with the text 'SEARCH FOR' and a 'GO' button. Underneath the search bar are tabs for 'AUTHOR OR EDITOR', 'PUBLICATION', 'VOLUME', 'ISSUE', and 'PAGE'. To the right of the search bar is a 'College of Bees' user profile and a 'Search Tips' button. A navigation bar includes 'HOME', 'MY SPRINGERLINK', 'BROWSE', 'TOOLS', 'HELP', 'SHOPPING CART', and 'LOG IN'. The main content area is divided into two sections. The first section, 'BROWSE PUBLICATIONS BY CONTENT TYPE', features a table with the following data:

Journals	Books	Book Series	eReferences	Protocols
2,567	42,700	1,189	181	22,619

The second section, 'BROWSE PUBLICATIONS BY TITLE', shows an alphabetical index from A to Z and 0-9. Three blue arrows point to the letters 'F', 'Q', and 'X'. Below this index are three promotional boxes: 'FOR AUTHORS' (with an image of a hand writing), 'FOR LIBRARIANS' (with an image of a bookshelf), and 'FOR SOCIETIES' (with an image of a pen on a notepad). Each box contains a short paragraph about the benefits of publishing with Springer. At the bottom of the page, there are links for 'Frequently asked questions', 'General info on journals and books', 'Send us your feedback', 'Impressum', and 'Contact us', along with copyright information for Springer.

Quick Search on SpringerLink

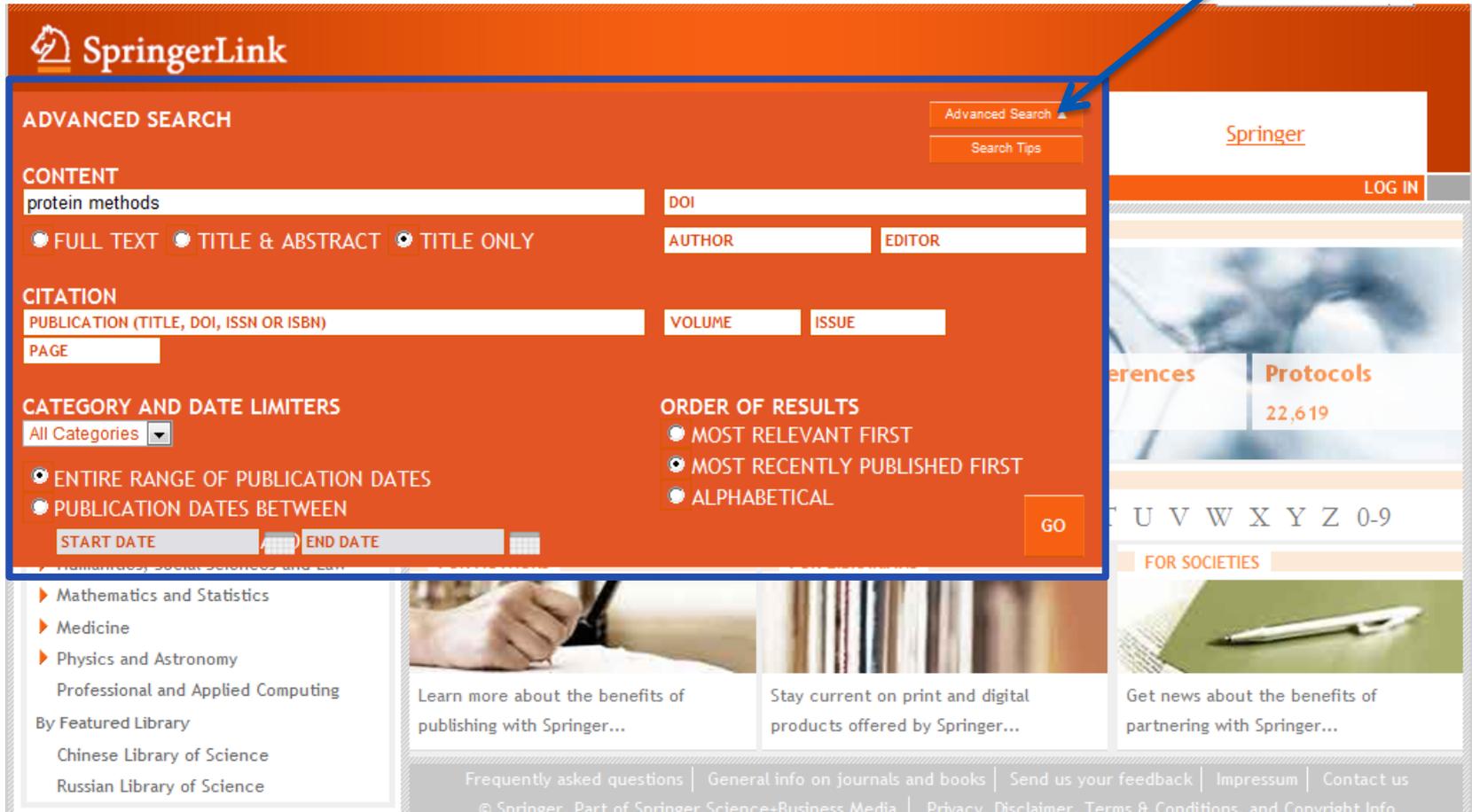


The screenshot shows the SpringerLink search interface. At the top right, the text "springer.com" and "springerpro" is visible. The SpringerLink logo is on the left. The search bar contains "SEARCH FOR ALL CONTENT" and a "GO" button. Below the search bar are tabs for "AUTHOR", "PUBLICATION TITLE", "VOLUME", "ISSUE", and "PAGE". To the right of the search bar are buttons for "Advanced Search" and "Search Tips". Below the search bar is a navigation menu with "HOME", "MY SPRINGERLINK", "BROWSE", "TOOLS", and "HELP". The "BROWSE" tab is selected, showing "4,479,079 Content Items". Below the navigation menu is a "Subject Collection" list with categories like Architecture and Design, Behavioral Science, Biomedical and Life Sciences, Business and Economics, and Chemistry and Materials Science. To the right of the subject collection is a "BROWSE PUBLICATIONS BY CONTENT TYPE" section with a table of content types and their counts.

BROWSE PUBLICATIONS BY CONTENT TYPE			
Journals	Books	Book Series	eRef
2,107	32,857	1,038	148

Quick Search Box is now in the same location on EVERY page of the site. Users no longer have to go looking for it!

Advanced Search on SpringerLink



SpringerLink

ADVANCED SEARCH [Advanced Search](#) [Search Tips](#)

CONTENT
protein methods DOI
 FULL TEXT TITLE & ABSTRACT TITLE ONLY
AUTHOR EDITOR

CITATION
PUBLICATION (TITLE, DOI, ISSN OR ISBN) VOLUME ISSUE
PAGE

CATEGORY AND DATE LIMITERS
All Categories
 ENTIRE RANGE OF PUBLICATION DATES
 PUBLICATION DATES BETWEEN
START DATE END DATE

ORDER OF RESULTS
 MOST RELEVANT FIRST
 MOST RECENTLY PUBLISHED FIRST
 ALPHABETICAL

GO

Springer [LOG IN](#)

References **Protocols**
22,619

FOR SOCIETIES

Mathematics and Statistics
Medicine
Physics and Astronomy
Professional and Applied Computing
By Featured Library
Chinese Library of Science
Russian Library of Science

Learn more about the benefits of publishing with Springer...

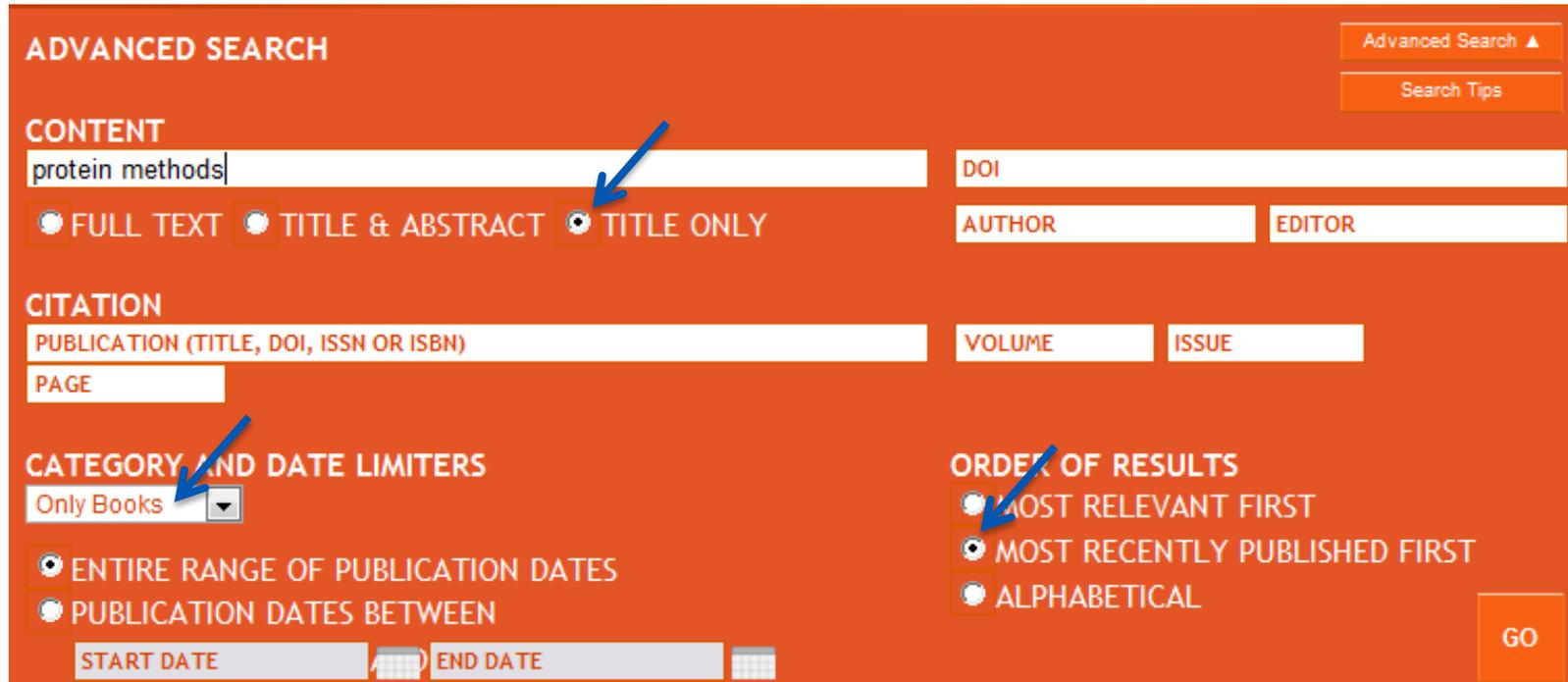
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Frequently asked questions | General info on journals and books | Send us your feedback | Impressum | Contact us
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Clicking on “Advance Search” will unfold the numerous options for an advanced search.

Advanced Search by Keywords, without “”



ADVANCED SEARCH Advanced Search ▲
Search Tips

CONTENT
protein methods
 FULL TEXT TITLE & ABSTRACT TITLE ONLY
DOI
AUTHOR EDITOR

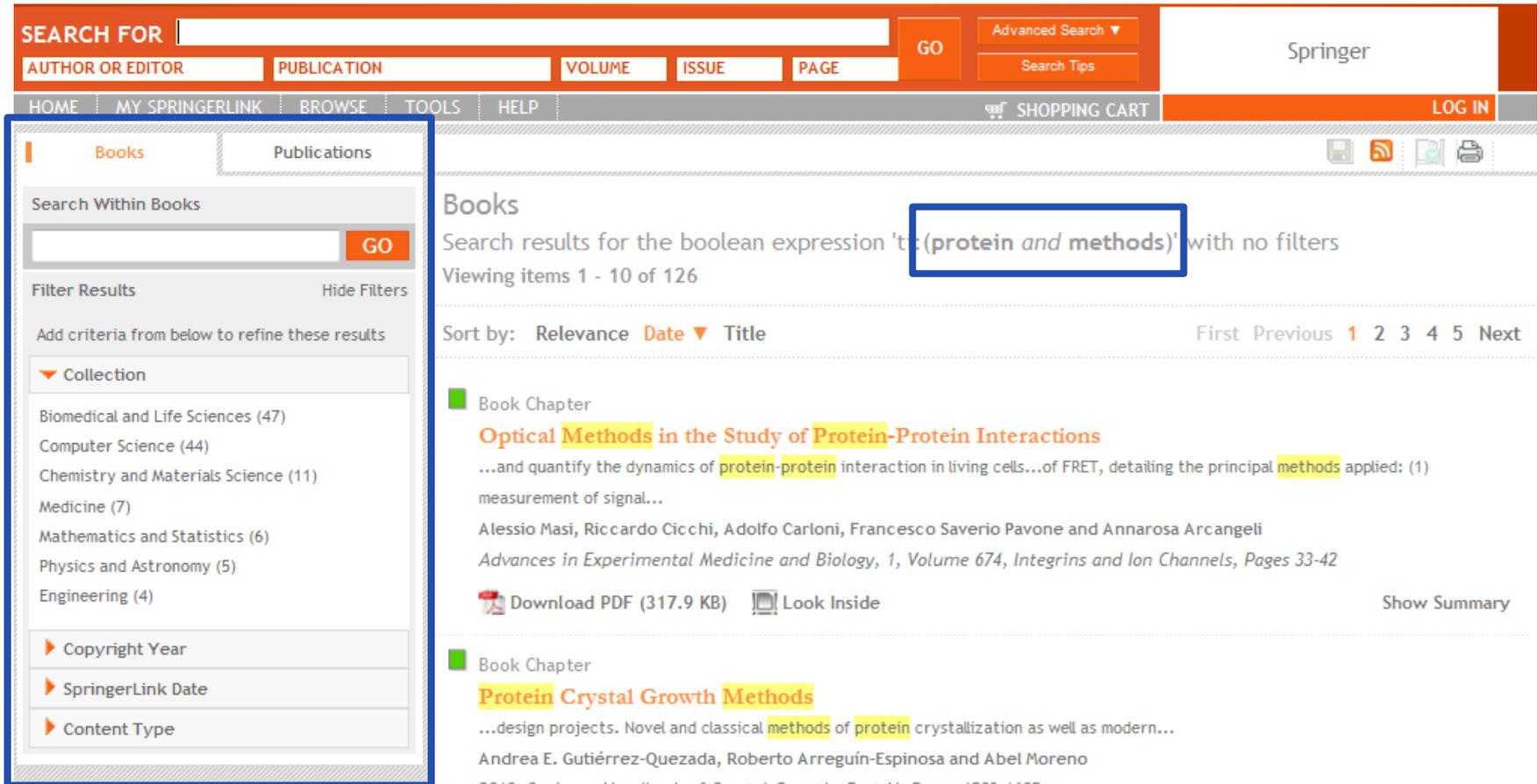
CITATION
PUBLICATION (TITLE, DOI, ISSN OR ISBN) VOLUME ISSUE
PAGE

CATEGORY AND DATE LIMITERS
Only Books
 ENTIRE RANGE OF PUBLICATION DATES
 PUBLICATION DATES BETWEEN
START DATE END DATE

ORDER OF RESULTS
 MOST RELEVANT FIRST
 MOST RECENTLY PUBLISHED FIRST
 ALPHABETICAL
GO

- In this example the key words *protein methods* are used, WITHOUT quotation marks.
- Key words should be in the title only (of the Book, the Book Chapter, the Book Series, the Journal, the Journal Article, the Protocol, or the Reference Entry)
- Category in this case is Only Books
- And the results should be displayed as most recent publication first

Search Results



The screenshot shows the Springer search results page for the query 'protein and methods'. The search bar at the top contains the text 'SEARCH FOR' followed by a search box and a 'GO' button. Below the search bar are tabs for 'AUTHOR OR EDITOR', 'PUBLICATION', 'VOLUME', 'ISSUE', and 'PAGE'. The search results are displayed under the 'Books' tab, with a sub-tab for 'Publications'. The search results are for the boolean expression 'protein and methods' with no filters. The results are sorted by Relevance, Date, and Title. The first result is a book chapter titled 'Optical Methods in the Study of Protein-Protein Interactions' by Alessio Masi, Riccardo Cicchi, Adolfo Carloni, Francesco Saverio Pavone and Annarosa Arcangeli. The second result is a book chapter titled 'Protein Crystal Growth Methods' by Andrea E. Gutiérrez-Quezada, Roberto Arreguín-Espinosa and Abel Moreno. The filter cockpit on the left allows filtering by Collection, Copyright Year, SpringerLink Date, and Content Type.

SEARCH FOR GO Advanced Search Search Tips

AUTHOR OR EDITOR PUBLICATION VOLUME ISSUE PAGE

HOME MY SPRINGERLINK BROWSE TOOLS HELP SHOPPING CART LOG IN

Books Publications

Search Within Books GO

Filter Results Hide Filters

Add criteria from below to refine these results

Collection

- Biomedical and Life Sciences (47)
- Computer Science (44)
- Chemistry and Materials Science (11)
- Medicine (7)
- Mathematics and Statistics (6)
- Physics and Astronomy (5)
- Engineering (4)

Copyright Year

SpringerLink Date

Content Type

Books

Search results for the boolean expression 'protein and methods' with no filters

Viewing items 1 - 10 of 126

Sort by: Relevance Date Title First Previous 1 2 3 4 5 Next

Book Chapter

Optical Methods in the Study of Protein-Protein Interactions

...and quantify the dynamics of protein-protein interaction in living cells...of FRET, detailing the principal methods applied: (1) measurement of signal...

Alessio Masi, Riccardo Cicchi, Adolfo Carloni, Francesco Saverio Pavone and Annarosa Arcangeli

Advances in Experimental Medicine and Biology, 1, Volume 674, Integrins and Ion Channels, Pages 33-42

Download PDF (317.9 KB) Look Inside Show Summary

Book Chapter

Protein Crystal Growth Methods

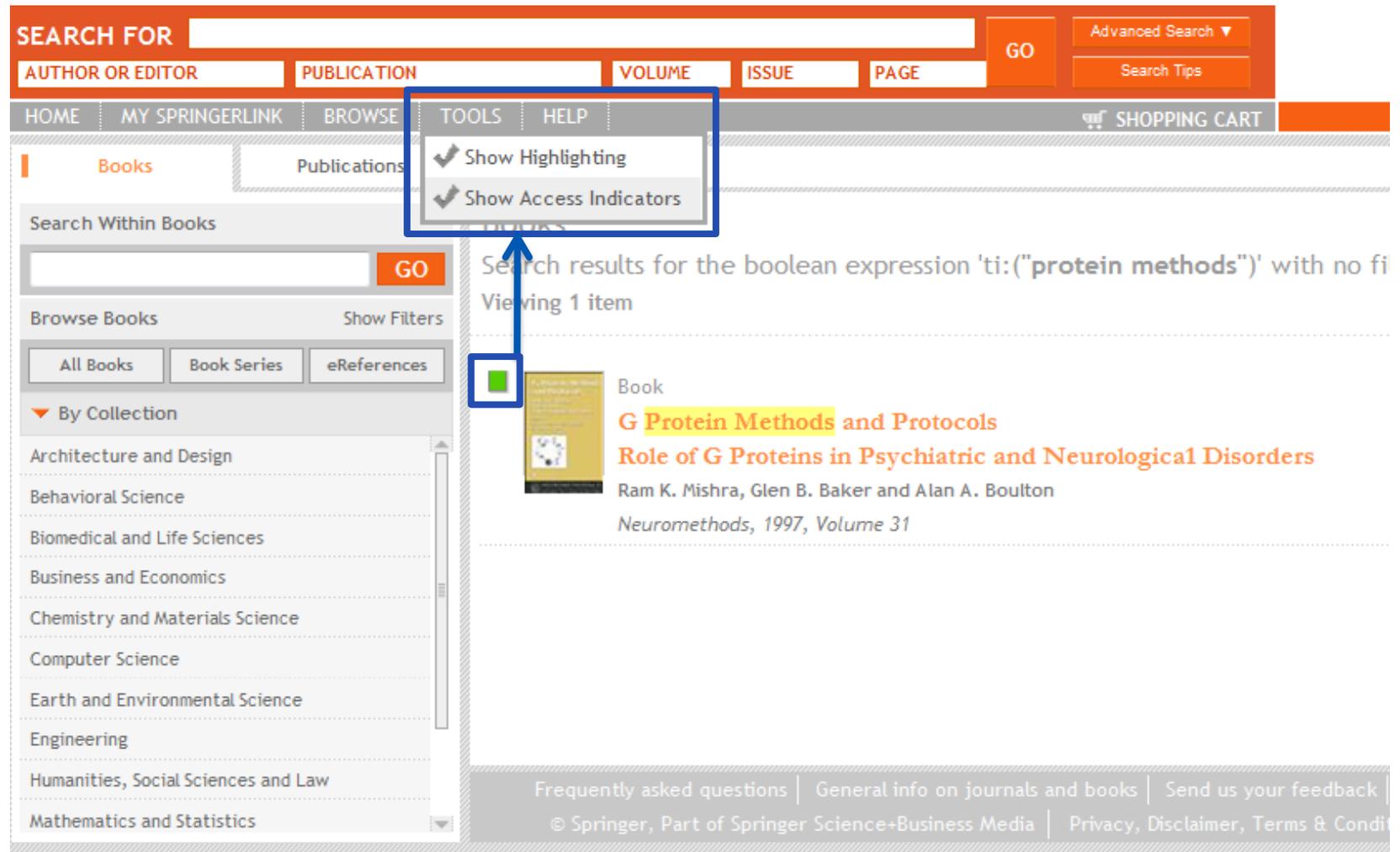
...design projects. Novel and classical methods of protein crystallization as well as modern...

Andrea E. Gutiérrez-Quezada, Roberto Arreguín-Espinosa and Abel Moreno

2010, *Springer Handbook of Crystal Growth*, Part II, Pages 1493-1495

The results show publications with 'protein' AND 'methods'. The results can be narrowed down further by using the filters in the cockpit on the left.

Access Indicators can be switched off or on (default is 'on')



The screenshot displays the SpringerLink search interface. At the top, there is a search bar with the text "SEARCH FOR" and a "GO" button. Below the search bar are tabs for "AUTHOR OR EDITOR", "PUBLICATION", "VOLUME", "ISSUE", and "PAGE". A navigation bar includes "HOME", "MY SPRINGERLINK", "BROWSE", "TOOLS", and "HELP". A "SHOPPING CART" icon is also visible. A dropdown menu is open under "TOOLS", showing two options: "Show Highlighting" and "Show Access Indicators", both with checked boxes. The main content area shows search results for the boolean expression 'ti:("protein methods")' with no filters. A single book result is displayed: "G Protein Methods and Protocols: Role of G Proteins in Psychiatric and Neurological Disorders" by Ram K. Mishra, Glen B. Baker and Alan A. Boulton, from *Neuromethods*, 1997, Volume 31. A green square icon next to the book title is highlighted with a blue box, and a blue arrow points from the "Show Access Indicators" option in the dropdown menu to this icon. The footer contains links for "Frequently asked questions", "General info on journals and books", "Send us your feedback", and "© Springer, Part of Springer Science+Business Media | Privacy, Disclaimer, Terms & Conditions".



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Other Search / Browse Options

Browse by Subject Collection



SEARCH FOR

AUTHOR OR EDITOR | **PUBLICATION** | **VOLUME** | **ISSUE** | **PAGE**

HOME | MY SPRINGERLINK | BROWSE | TOOLS | HELP

BROWSE 5,170,743 Content Items

BROWSE PUBLICATIONS BY CONTENT TYPE

Journals	Books
2,581	43,804

BROWSE PUBLICATIONS BY TITLE

A B C D E F G H I J K

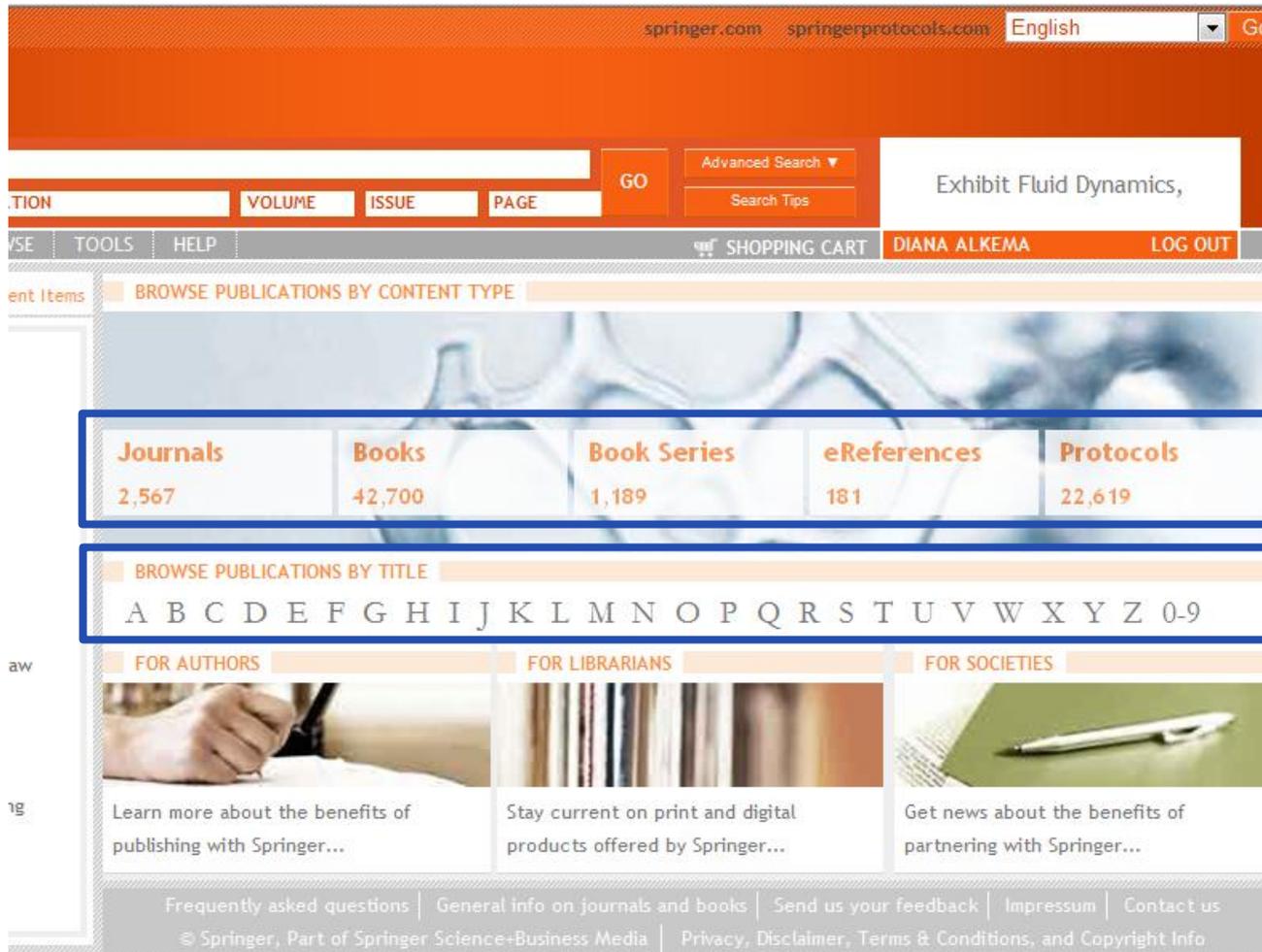
FOR AUTHORS | **FOR I**

Learn more about the benefits of publishing with Springer... | Stay cu produc

Frequently asked questions | General info on
© Springer, Part of Springer Science+Business

Subject Collections expand to show detailed subfields.

Browse by Title - Browse Alphabetically



The screenshot shows the Springer website interface. At the top, there are navigation links for 'springer.com' and 'springerprotocols.com', a language dropdown set to 'English', and a 'Go' button. Below this is a search bar with a 'GO' button and an 'Advanced Search' dropdown. A search result snippet for 'Exhibit Fluid Dynamics,' is visible. The main navigation bar includes 'HOME', 'TOOLS', 'HELP', 'SHOPPING CART', 'DIANA ALKEMA', and 'LOG OUT'. The 'BROWSE PUBLICATIONS BY CONTENT TYPE' section is highlighted with a blue box and contains the following data:

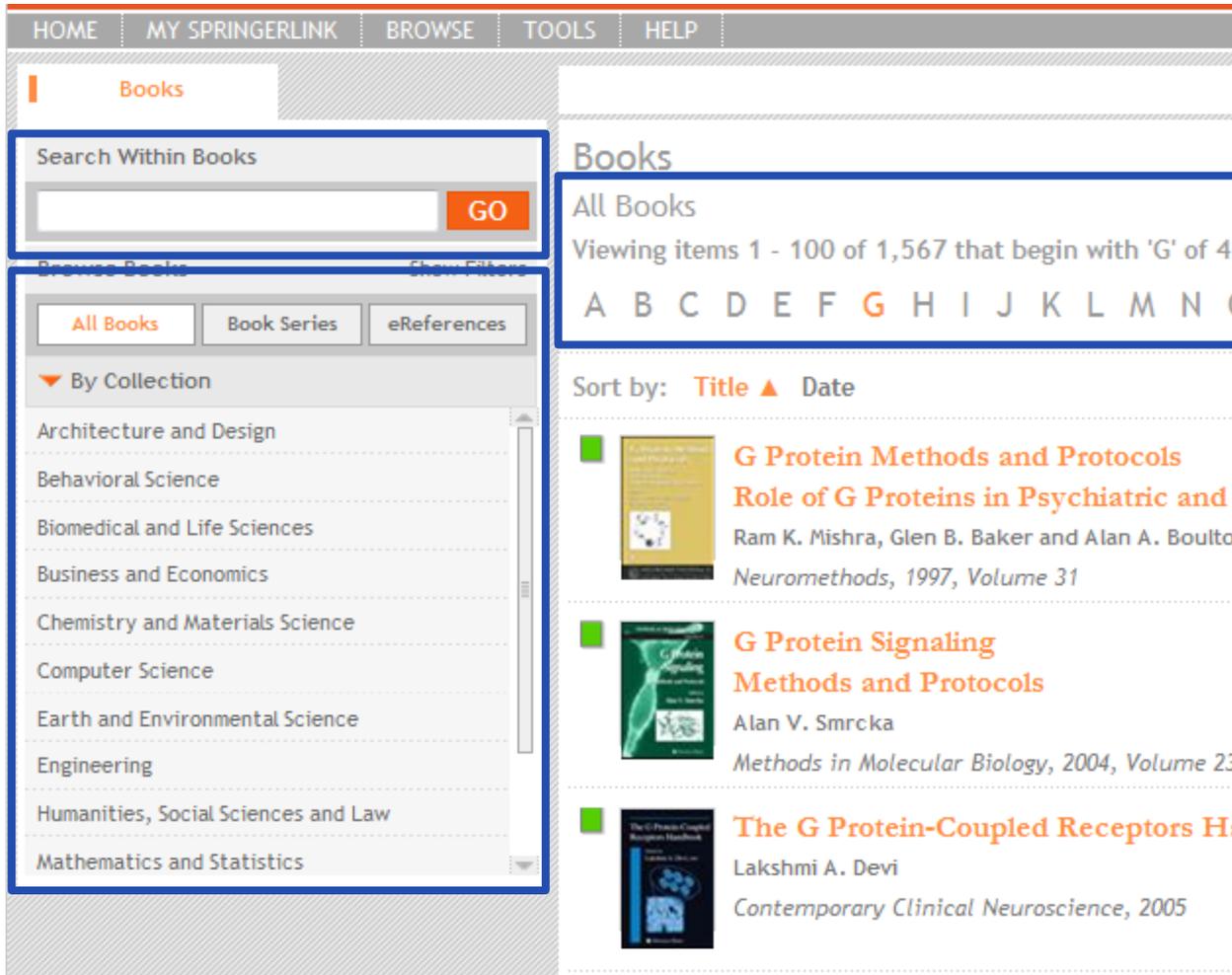
Journals	Books	Book Series	eReferences	Protocols
2,567	42,700	1,189	181	22,619

Below this, the 'BROWSE PUBLICATIONS BY TITLE' section is also highlighted with a blue box, showing an alphabetical index from A to Z and 0-9. At the bottom, there are three promotional boxes: 'FOR AUTHORS', 'FOR LIBRARIANS', and 'FOR SOCIETIES', each with an image and a brief description.

Browse content by content type

Or alphabetical by title

.. Then by Keyword, Collection or Alphabetical order



HOME | MY SPRINGERLINK | BROWSE | TOOLS | HELP

Books

Search Within Books

GO

Browse Books | Show Filters

All Books | Book Series | eReferences

By Collection

- Architecture and Design
- Behavioral Science
- Biomedical and Life Sciences
- Business and Economics
- Chemistry and Materials Science
- Computer Science
- Earth and Environmental Science
- Engineering
- Humanities, Social Sciences and Law
- Mathematics and Statistics

Books

All Books

Viewing items 1 - 100 of 1,567 that begin with 'G' of 4:

A B C D E F G H I J K L M N O

Sort by: Title ▲ Date

- 
G Protein Methods and Protocols
Role of G Proteins in Psychiatric and
 Ram K. Mishra, Glen B. Baker and Alan A. Boulton
Neuromethods, 1997, Volume 31
- 
G Protein Signaling
Methods and Protocols
 Alan V. Smrcka
Methods in Molecular Biology, 2004, Volume 23
- 
The G Protein-Coupled Receptors Handbook
 Lakshmi A. Devi
Contemporary Clinical Neuroscience, 2005

When the user has selected a content type, the user can search within that content type by keyword, by subject collection or alphabetical



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The Search Results

New Search

ADVANCED SEARCH

Advanced Search ▲
Search Tips

CONTENT

Autism

DOI

FULL TEXT TITLE & ABSTRACT TITLE ONLY

AUTHOR EDITOR

CITATION

PUBLICATION (TITLE, DOI, ISSN OR ISBN)

VOLUME ISSUE

PAGE

CATEGORY AND DATE LIMITERS

Only Books ▼

ENTIRE RANGE OF PUBLICATION DATES
 PUBLICATION DATES BETWEEN

START DATE END DATE

ORDER OF RESULTS

MOST RELEVANT FIRST
 MOST RECENTLY PUBLISHED FIRST
 ALPHABETICAL

GO

To show the different options available in the search results, we will start a new search.

1

Book Chapter

Neurochemistry of Autism

Timothy D. Folsom and S. Hossein Fatemi

Advances in Neurobiology, 1, Volume 1, Neurochemical Mechanisms in Disease, Pages 383-398 Download PDF (520.6 KB)  View HTML  Look Inside[Show Summary](#)

1

Book

Evidence-Based Practices and Treatments for Children with Autism

Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar

2011

Book Chapter

Evidence-Based Practices in Autism: Where We Are Now and Where We Need to Go

Fred R. Volkmar, Brian Reichow and Peter Doehring

2011, Evidence-Based Practices and Treatments for Children with Autism, Part 3, Pages 365-391 Download PDF (1.8 MB)  View HTML  Look Inside[Show Summary](#)

2

1 The user can easily see whether the result is a book, a book chapter, or an entry in a reference .

2 The user can click on “Show Summary” to read the abstract.

 Book Chapter

Neurochemistry of Autism

Timothy D. Folsom and S. Hossein Fatemi

Advances in Neurobiology, 1, Volume 1, Neurochemical Mechanisms in Disease, Pages 383-398
 Download PDF (520.6 KB)
  View HTML
  Look Inside

[Show Summary](#)
 Book


Book

Evidence-Based Practices and Treatments for Children with Autism

Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar

2011

 Book Chapter

Evidence-Based Practices in Autism: Where We Are Now and Where We Need to Go

Fred R. Volkmar, Brian Reichow and Peter Doehring

2011, Evidence-Based Practices and Treatments for Children with Autism, Part 3, Pages 365-391
 Download PDF (1.8 MB)
  View HTML
  Look Inside

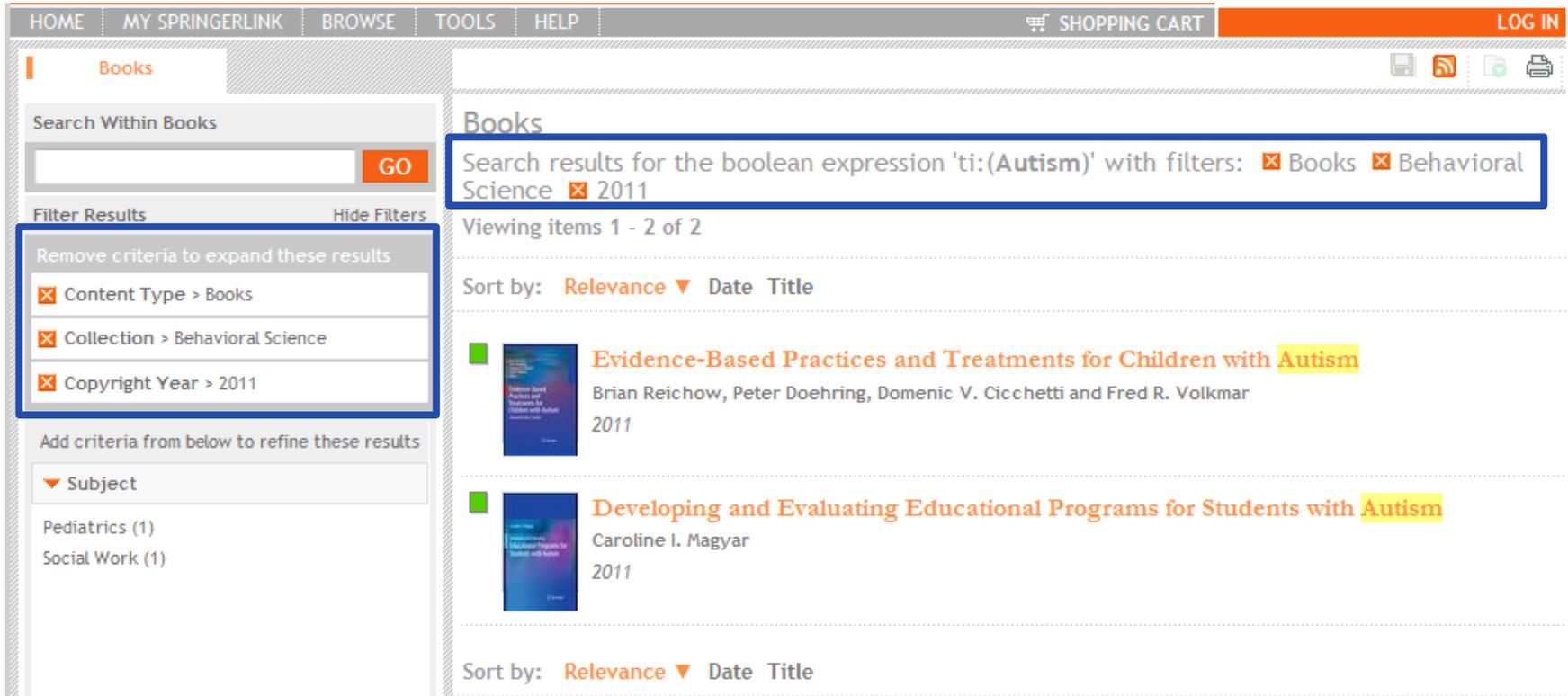
[Hide Summary](#)
Abstract

As shown in Chap. 1 (see Fig. 14.1 and Volkmar in press), publication on autism has increased significantly in recent years. We undertook additional analyses to determine whether this increase reflected greater interest in autism more generally or included a specific interest in autism treatments. We conducted a literature search of the terms “autism” and “autism and treatment” for the years 1990-2008. Unlike the search described in Chap. 1, which relied on the Medline database, the search described here relied on the Ovid PsycINFO database, which we felt would capture the full range of publications related to treatment. Differences and recommendations for using different databases are discussed in an appendix to this chapter. When conducting the searches, two filters were used; the “all journals” filter limited results to articles published in journals and the “year” filter limited returns to each specific year. The number of articles about “autism” and those specifically about “autism treatments” published in a journal between 1990 and 2008 (the most recent year with complete data) is shown in Fig. 14.1.

The user can click on “Show Summary” to unfold the book chapter abstract.

The user can unfold many summaries at the same time, thus enabling him or her to compare chapters without having to leave the search result page.

Flexible Filters



HOME MY SPRINGERLINK BROWSE TOOLS HELP SHOPPING CART LOG IN

Books

Search Within Books

GO

Filter Results Hide Filters

Remove criteria to expand these results

- Content Type > Books
- Collection > Behavioral Science
- Copyright Year > 2011

Add criteria from below to refine these results

Subject

- Pediatrics (1)
- Social Work (1)

Books

Search results for the boolean expression 'ti:(Autism)' with filters: Books Behavioral Science 2011

Viewing items 1 - 2 of 2

Sort by: Relevance Date Title

Evidence-Based Practices and Treatments for Children with Autism
 Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar
 2011

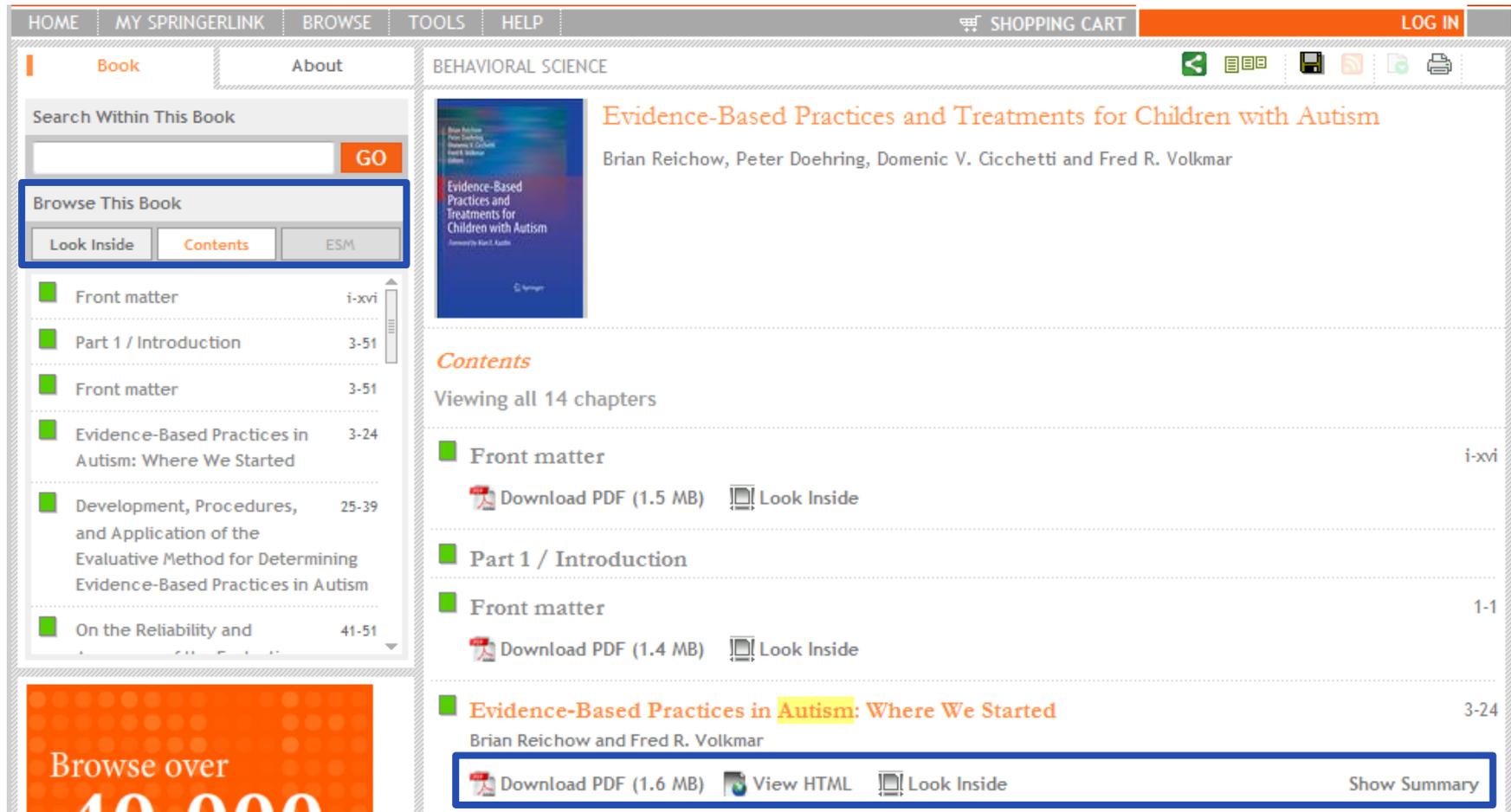
Developing and Evaluating Educational Programs for Students with Autism
 Caroline I. Magyar
 2011

Sort by: Relevance Date Title

Again, the user can narrow down the results by using the filters in the cockpit on the left hand side

Any of the filters used can be easily removed again by clicking on the X in front of it

Contents vs Look Inside



The screenshot shows the SpringerLink interface for the book "Evidence-Based Practices and Treatments for Children with Autism" by Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar. The "Contents" tab is selected, displaying a list of 14 chapters. The first three chapters are visible: "Front matter" (i-xvi), "Part 1 / Introduction" (3-51), and "Front matter" (3-51). The fourth chapter, "Evidence-Based Practices in Autism: Where We Started" (3-24), is highlighted in yellow. Below the list, there are options to "Download PDF" and "View HTML" for the highlighted chapter, along with a "Show Summary" button. The "Look Inside" button is also visible for the first two chapters.

HOME MY SPRINGERLINK BROWSE TOOLS HELP SHOPPING CART LOG IN

Book About BEHAVIORAL SCIENCE

Search Within This Book

Browse This Book

Look Inside Contents ESM

Front matter i-xvi

Part 1 / Introduction 3-51

Front matter 3-51

Evidence-Based Practices in Autism: Where We Started 3-24

Development, Procedures, and Application of the Evaluative Method for Determining Evidence-Based Practices in Autism 25-39

On the Reliability and 41-51

Evidence-Based Practices and Treatments for Children with Autism
Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar

Contents
Viewing all 14 chapters

Front matter i-xvi
Download PDF (1.5 MB) Look Inside

Part 1 / Introduction

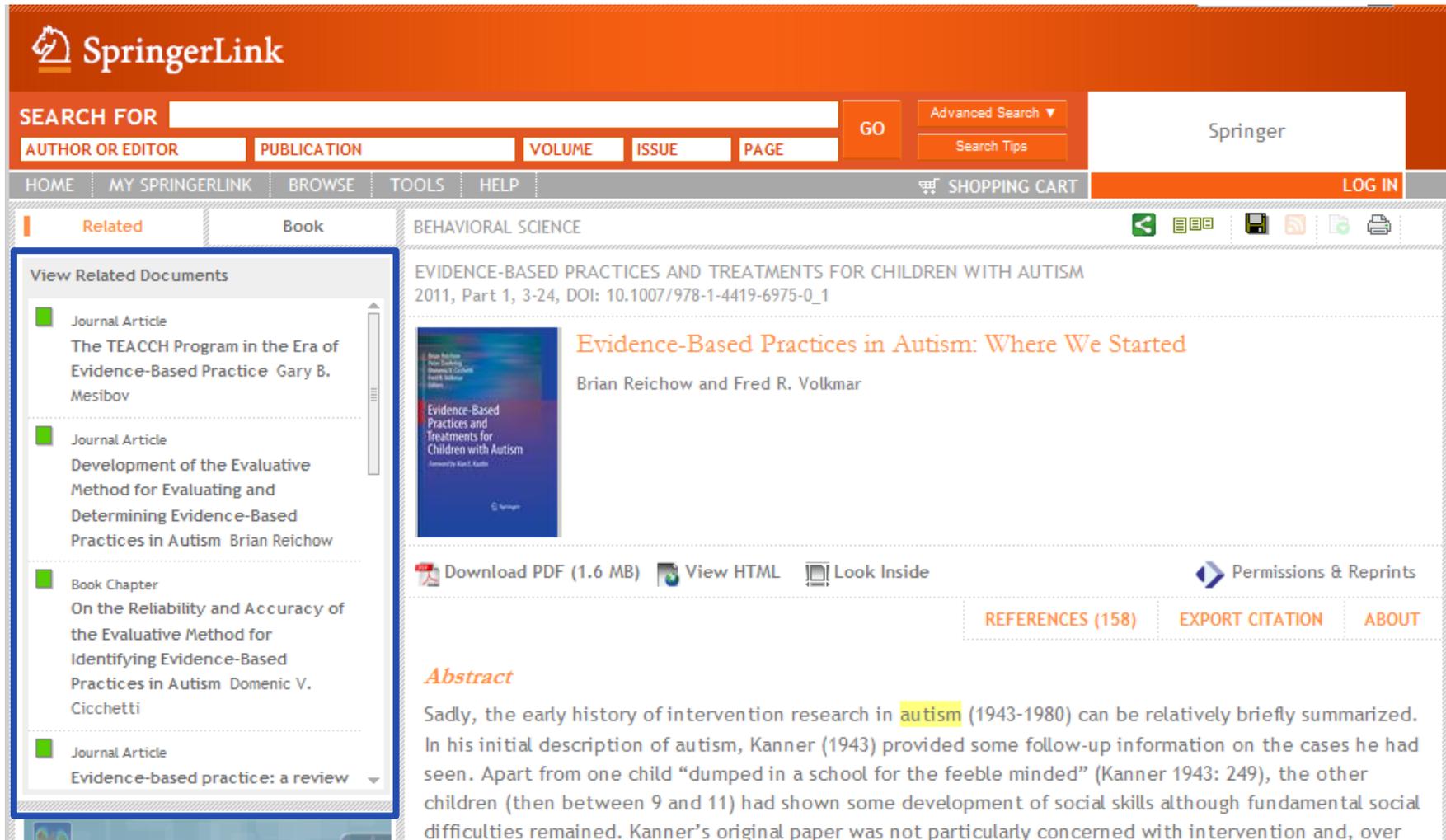
Front matter 1-1
Download PDF (1.4 MB) Look Inside

Evidence-Based Practices in Autism: Where We Started 3-24
Brian Reichow and Fred R. Volkmar
Download PDF (1.6 MB) View HTML Look Inside Show Summary

Browse over

The user can also opt for the 'contents' tab. The contents appear in the main screen, where, again the download and "Show Summary" options are available.

Related Documents on the abstract page



The screenshot shows the SpringerLink interface. At the top, there is a search bar with the text "SEARCH FOR" and a "GO" button. Below the search bar, there are tabs for "AUTHOR OR EDITOR", "PUBLICATION", "VOLUME", "ISSUE", and "PAGE". The main navigation bar includes "HOME", "MY SPRINGERLINK", "BROWSE", "TOOLS", "HELP", "SHOPPING CART", and "LOG IN".

The main content area displays the title "EVIDENCE-BASED PRACTICES AND TREATMENTS FOR CHILDREN WITH AUTISM" and the subtitle "2011, Part 1, 3-24, DOI: 10.1007/978-1-4419-6975-0_1". Below this, there is a book cover for "Evidence-Based Practices in Autism: Where We Started" by Brian Reichow and Fred R. Volkmar. The book cover features a blue and green design with the title and authors' names.

On the left side, there is a "View Related Documents" section. It lists four related documents:

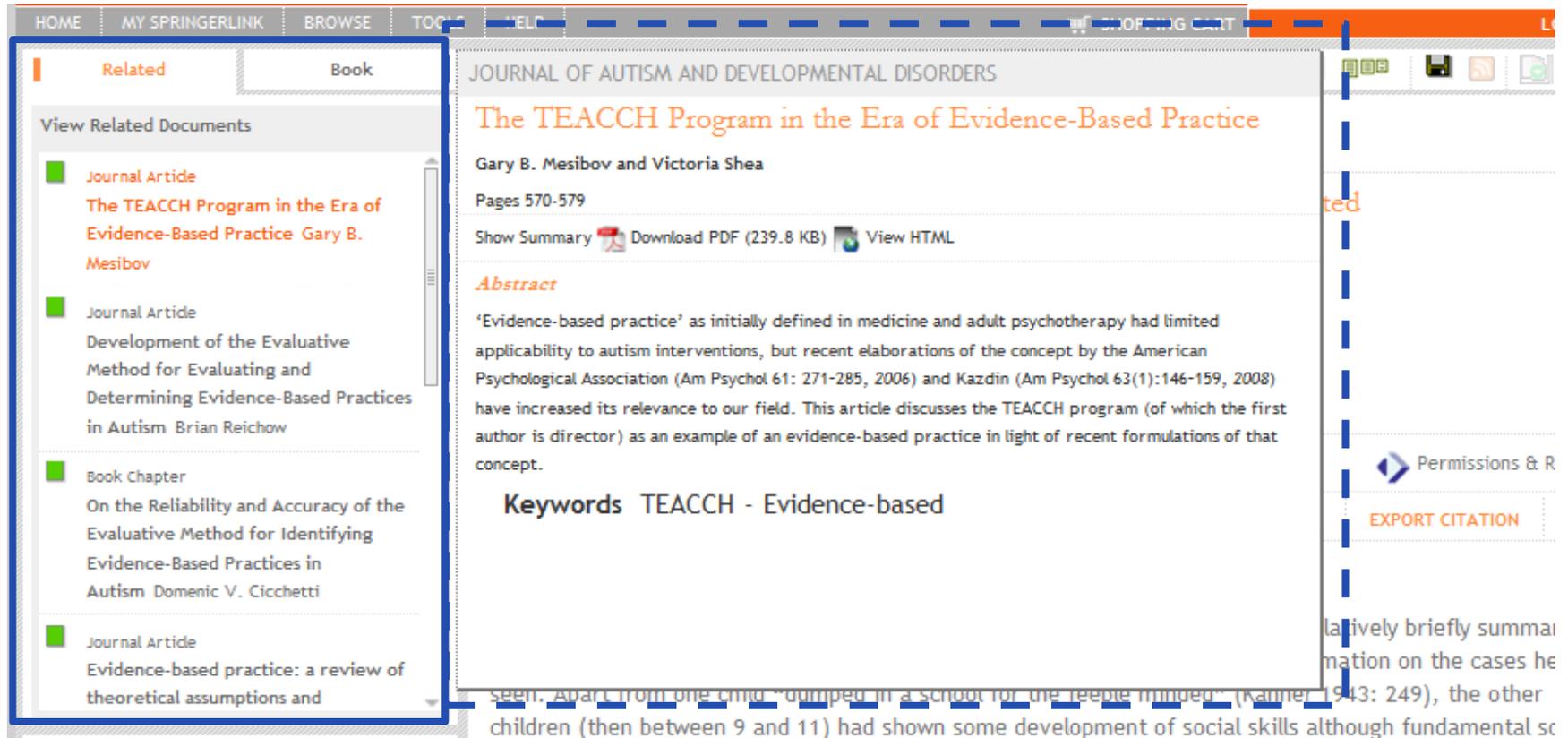
- Journal Article**: The TEACCH Program in the Era of Evidence-Based Practice Gary B. Mesibov
- Journal Article**: Development of the Evaluative Method for Evaluating and Determining Evidence-Based Practices in Autism Brian Reichow
- Book Chapter**: On the Reliability and Accuracy of the Evaluative Method for Identifying Evidence-Based Practices in Autism Domenic V. Cicchetti
- Journal Article**: Evidence-based practice: a review

Below the book cover, there are options to "Download PDF (1.6 MB)", "View HTML", and "Look Inside". To the right, there is a "Permissions & Reprints" link. At the bottom of the main content area, there are links for "REFERENCES (158)", "EXPORT CITATION", and "ABOUT".

The abstract section is titled "Abstract" and contains the following text:

Sadly, the early history of intervention research in **autism** (1943-1980) can be relatively briefly summarized. In his initial description of autism, Kanner (1943) provided some follow-up information on the cases he had seen. Apart from one child "dumped in a school for the feeble minded" (Kanner 1943: 249), the other children (then between 9 and 11) had shown some development of social skills although fundamental social difficulties remained. Kanner's original paper was not particularly concerned with intervention and, over

Related Documents



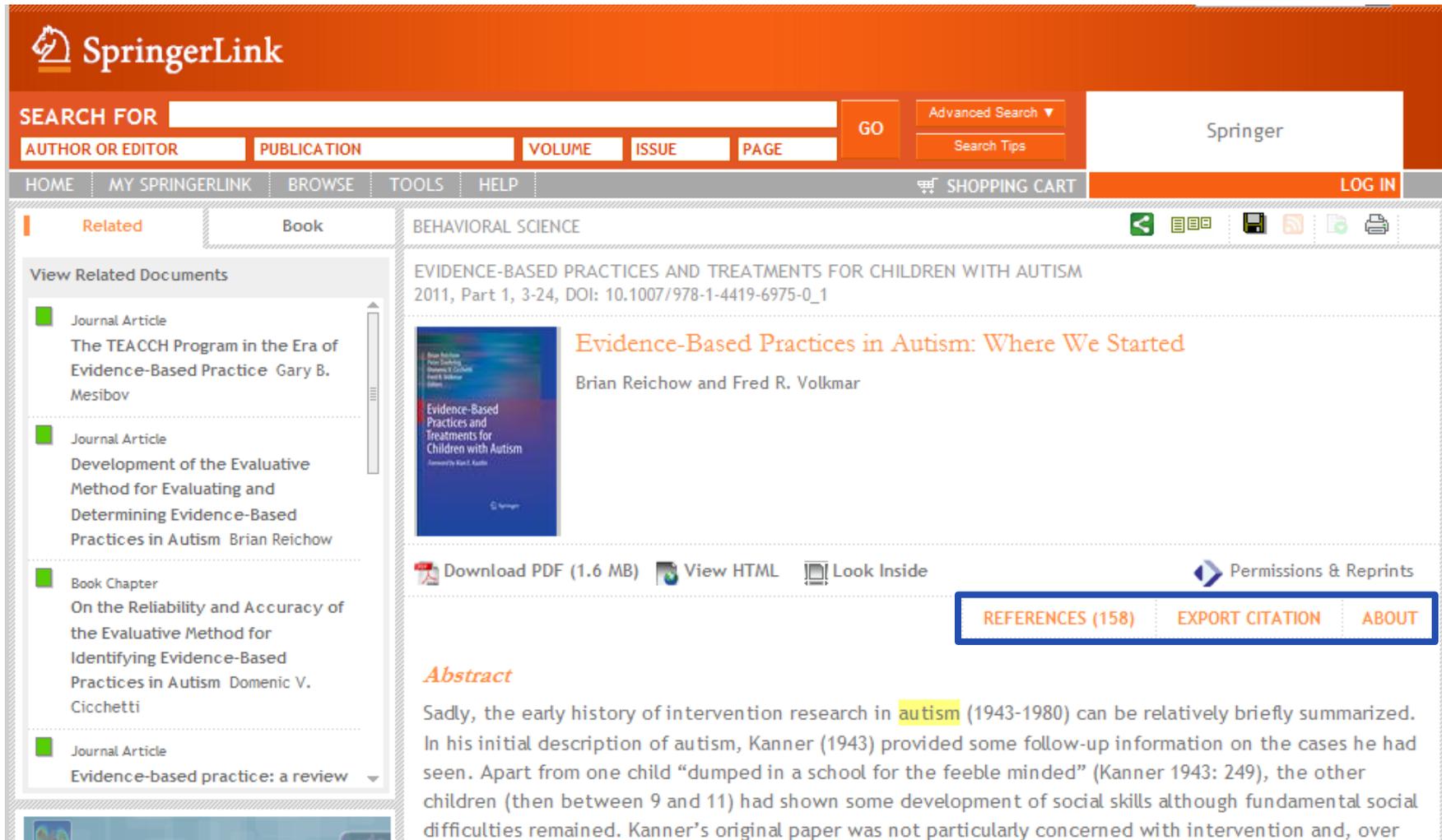
The screenshot displays the SpringerLink interface. On the left, a sidebar titled 'Related Documents' is highlighted with a blue border. It lists three items:

- Journal Article:** The TEACCH Program in the Era of Evidence-Based Practice Gary B. Mesibov
- Journal Article:** Development of the Evaluative Method for Evaluating and Determining Evidence-Based Practices in Autism Brian Reichow
- Book Chapter:** On the Reliability and Accuracy of the Evaluative Method for Identifying Evidence-Based Practices in Autism Domenic V. Cicchetti
- Journal Article:** Evidence-based practice: a review of theoretical assumptions and

The main content area shows the details for the first item, 'The TEACCH Program in the Era of Evidence-Based Practice' by Gary B. Mesibov and Victoria Shea. The article is from the 'JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS', pages 570-579. It includes options to 'Show Summary', 'Download PDF (239.8 KB)', and 'View HTML'. The abstract text reads: 'Evidence-based practice' as initially defined in medicine and adult psychotherapy had limited applicability to autism interventions, but recent elaborations of the concept by the American Psychological Association (Am Psychol 61: 271-285, 2006) and Kazdin (Am Psychol 63(1):146-159, 2008) have increased its relevance to our field. This article discusses the TEACCH program (of which the first author is director) as an example of an evidence-based practice in light of recent formulations of that concept. The keywords are 'TEACCH - Evidence-based'. On the right side of the article view, there are links for 'Permissions & R' and 'EXPORT CITATION'.

Hovering over the title with the mouse will show the user a separate window with the suggested documents' abstract.

More options on the Abstract page



The screenshot shows the SpringerLink interface for a book chapter. The top navigation bar includes the SpringerLink logo, a search bar with 'SEARCH FOR' and 'GO' buttons, and a 'Springer' logo. Below the search bar are tabs for 'AUTHOR OR EDITOR', 'PUBLICATION', 'VOLUME', 'ISSUE', and 'PAGE'. The main navigation bar includes 'HOME', 'MY SPRINGERLINK', 'BROWSE', 'TOOLS', 'HELP', 'SHOPPING CART', and 'LOG IN'.

The page content is organized into a sidebar and a main area. The sidebar, titled 'View Related Documents', lists four items:

- Journal Article: The TEACCH Program in the Era of Evidence-Based Practice by Gary B. Mesibov
- Journal Article: Development of the Evaluative Method for Evaluating and Determining Evidence-Based Practices in Autism by Brian Reichow
- Book Chapter: On the Reliability and Accuracy of the Evaluative Method for Identifying Evidence-Based Practices in Autism by Domenic V. Cicchetti
- Journal Article: Evidence-based practice: a review

The main area displays the book title 'EVIDENCE-BASED PRACTICES AND TREATMENTS FOR CHILDREN WITH AUTISM' (2011, Part 1, 3-24, DOI: 10.1007/978-1-4419-6975-0_1) and the chapter title 'Evidence-Based Practices in Autism: Where We Started' by Brian Reichow and Fred R. Volkmar. A book cover image is shown on the left. Below the title, there are options to 'Download PDF (1.6 MB)', 'View HTML', and 'Look Inside', along with a 'Permissions & Reprints' link. A blue-bordered box highlights three buttons: 'REFERENCES (158)', 'EXPORT CITATION', and 'ABOUT'. The 'Abstract' section begins with the text: 'Sadly, the early history of intervention research in autism (1943-1980) can be relatively briefly summarized. In his initial description of autism, Kanner (1943) provided some follow-up information on the cases he had seen. Apart from one child "dumped in a school for the feeble minded" (Kanner 1943: 249), the other children (then between 9 and 11) had shown some development of social skills although fundamental social difficulties remained. Kanner's original paper was not particularly concerned with intervention and, over

References

HOME MY SPRINGERLINK BROWSE TOOLS HELP SHOPPING CART LOG IN

Related Book

View Related Documents

- Journal Article
The TEACCH Program in the Era of Evidence-Based Practice Gary B. Mesibov
- Journal Article
Development of the Evaluative Method for Evaluating and Determining Evidence-Based Practices in Autism Brian Reichow
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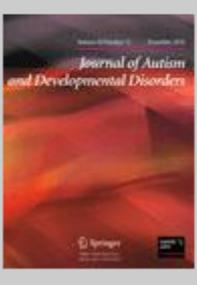
- Aldred, C., Green, J., & Adams, C. (2004). A new social communication intervention for children with autism: Pilot randomized controlled treatment study suggesting effectiveness. *Journal of Child Psychology and Psychiatry*, 45, 1420-1430.
[PubMed](#) [crossref](#)
- Aman, M. G., Hollway, J. A., et al. (2008). Cognitive effects of risperidone in children with autism and irritable behavior. *Journal of Child and Adolescent Psychopharmacology*, 18(3), 227-236.
[PubMed](#) [crossref](#)
- American Speech-Language-Hearing Association. (2006). Guidelines for speech-language pathologists in diagnosis, assessment, and treatment of autism spectrum disorders across the life span. <http://www.asha.org/docs/html/GL2006-00049.html>. Accessed 20 July 2009.
- Anderson, L. T., Campbell, M., Grega, D. M., Perry, R., Small, A. M., et al. (1984). Haloperidol in the treatment of infantile autism: Effects on learning and behavioral symptoms. *The American Journal of Psychiatry*, 141(10), 1195-1202.
[PubMed](#)
- Anderson, L. T., Campbell, M., Adams, P., Small, A. M., Perry, R., et al. (1989). The effects of haloperidol on discrimination learning and behavioral symptoms in autistic children. *Journal of Autism and Developmental Disorders*, 19(2), 227-239.
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The buttons, under the references, take the user to PubMed, or to the original article either through crossref or directly to SpringerLink if the referred source was published with Springer.

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Volume 40, Number 1, 63-73, DOI: 10.1007/s10803-009-0832-2 [Open Access](#)



ORIGINAL PAPER

Bullying Among Adolescents With Autism Spectrum Disorders: Prevalence and Perception

Eeske van Roekel, Ron H. J. Scholte and Robert Didden

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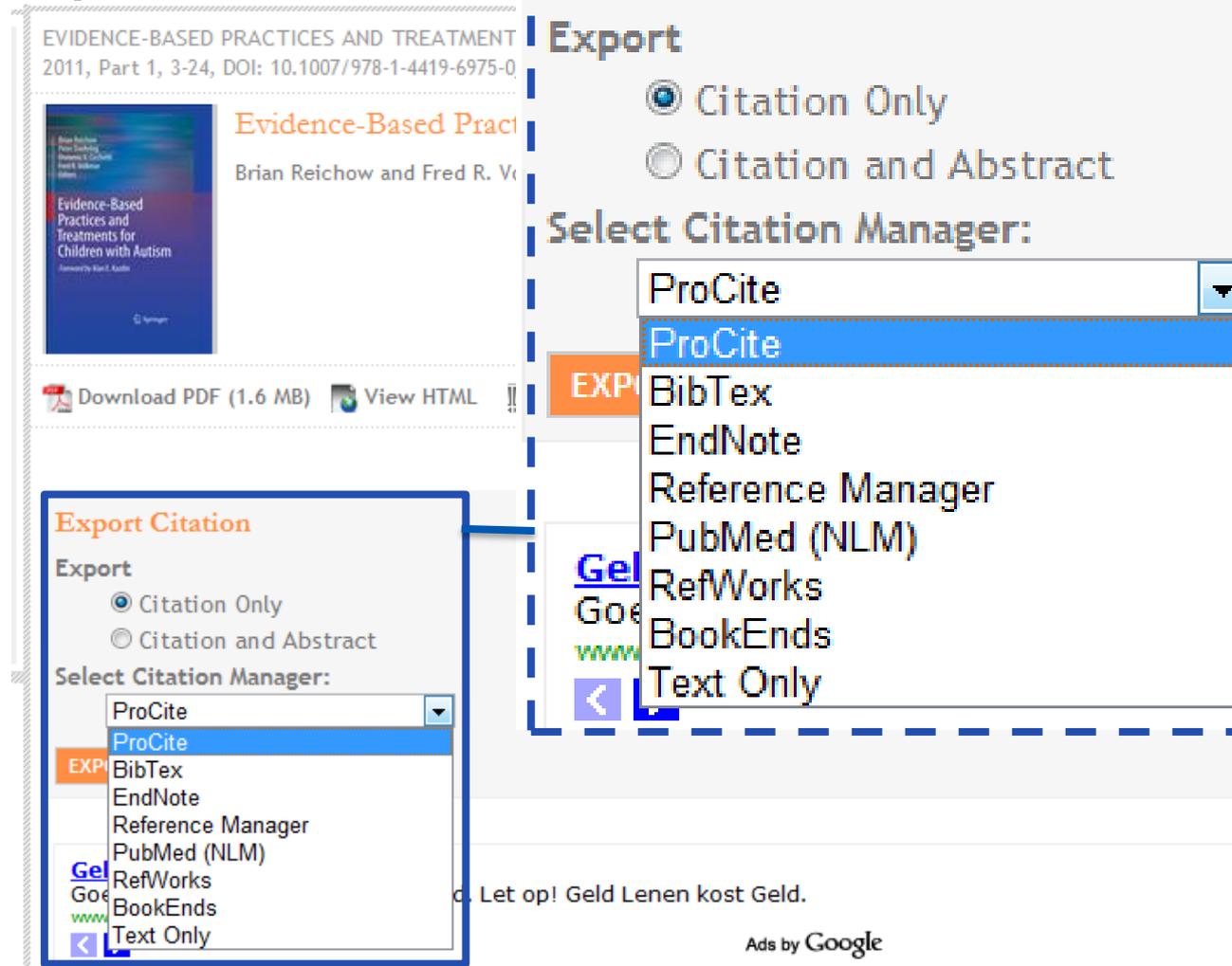
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EXPORT CITATION
ABOUT

Abstract

This study examined: (a) the prevalence of bullying and victimization among adolescents with ASD, (b) whether they correctly perceived bullying and victimization, and (c) whether Theory of Mind (ToM) and bullying involvement were related to this perception. Data were collected among 230 adolescents with ASD attending special education schools. We found prevalence rates of bullying and victimization between

When an article or chapter is cited by another publication, this will be listed here, on the article or chapter level.

Export Citation



The screenshot shows the SpringerLink interface for exporting a citation. The main page displays the article title "EVIDENCE-BASED PRACTICES AND TREATMENT 2011, Part 1, 3-24, DOI: 10.1007/978-1-4419-6975-0" and the book cover for "Evidence-Based Practices and Treatments for Children with Autism" by Brian Reichow and Fred R. Volkmar. Below the cover are links for "Download PDF (1.6 MB)" and "View HTML".

Two callout boxes highlight the "Export Citation" section. The larger callout on the right shows the "Export" options: "Citation Only" (selected) and "Citation and Abstract". Below this is the "Select Citation Manager:" dropdown menu, which is open to show a list of options: ProCite, BibTex, EndNote, Reference Manager, PubMed (NLM), RefWorks, BookEnds, and Text Only. The "ProCite" option is highlighted in blue. A smaller callout box on the left shows a zoomed-in view of the same dropdown menu.

At the bottom of the page, there is an advertisement for "Geld Lenen" (loans) with the text "Let op! Geld Lenen kost Geld." and "Ads by Google".

A citation is very easily exported.

The user can choose from the most commonly used Citation Managers.



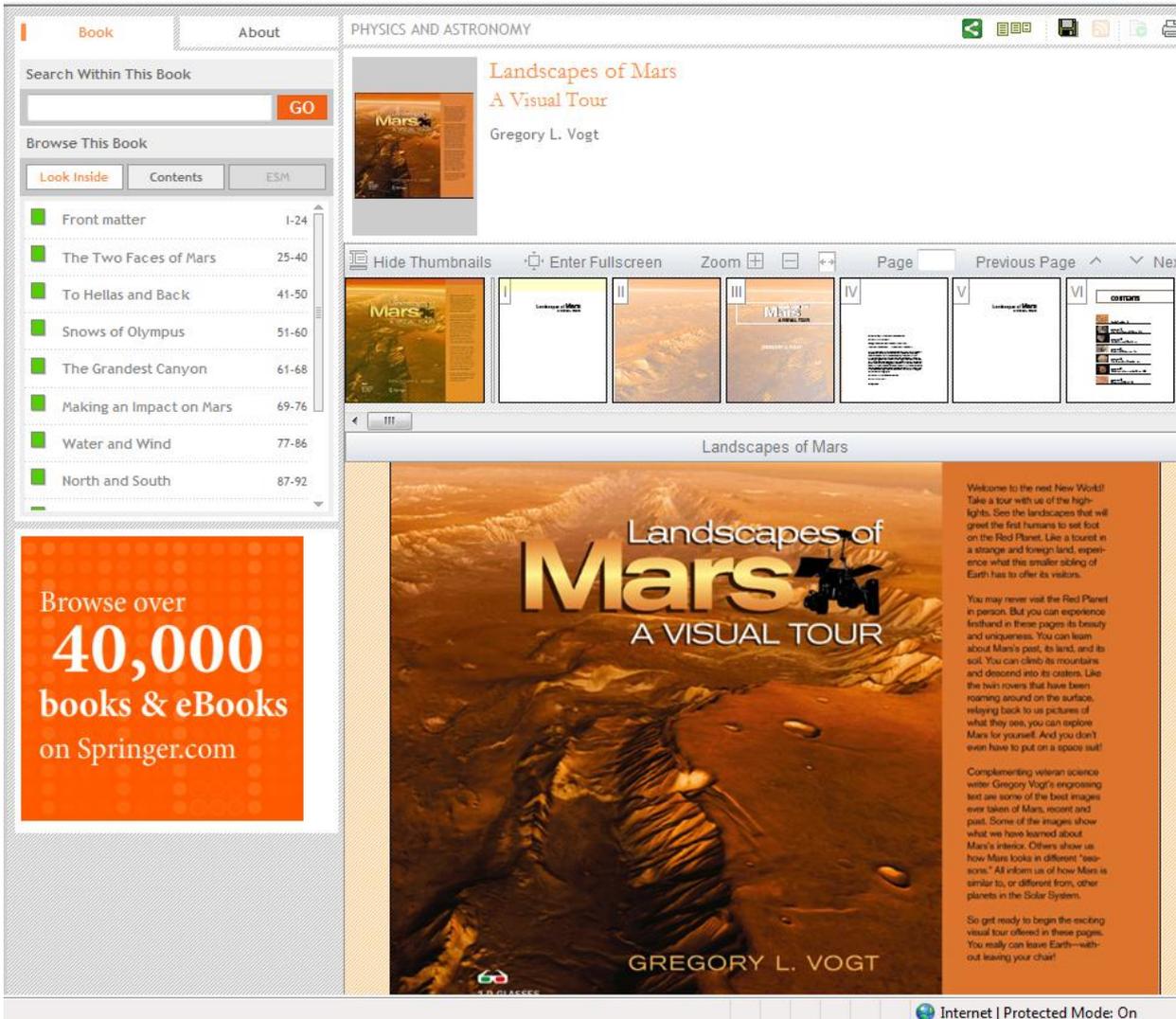
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The new 'Look Inside' functionality

Look Inside



The screenshot displays the Springer 'Look Inside' interface for the book *Landscapes of Mars: A Visual Tour* by Gregory L. Vogt. The interface includes a search bar, a table of contents, and a preview of the book's content.

Table of Contents:

Chapter	Page Range
Front matter	1-24
The Two Faces of Mars	25-40
To Hellas and Back	41-50
Snows of Olympus	51-60
The Grandest Canyon	61-68
Making an Impact on Mars	69-76
Water and Wind	77-86
North and South	87-92

Book Preview:

Landscapes of Mars
A VISUAL TOUR
GREGORY L. VOGT

Welcome to the next New World! Take a tour with us of the highlights. See the landscapes that will greet the first humans to set foot on the Red Planet. Like a tourist in a strange and foreign land, experience what the smaller sibling of Earth has to offer its visitors.

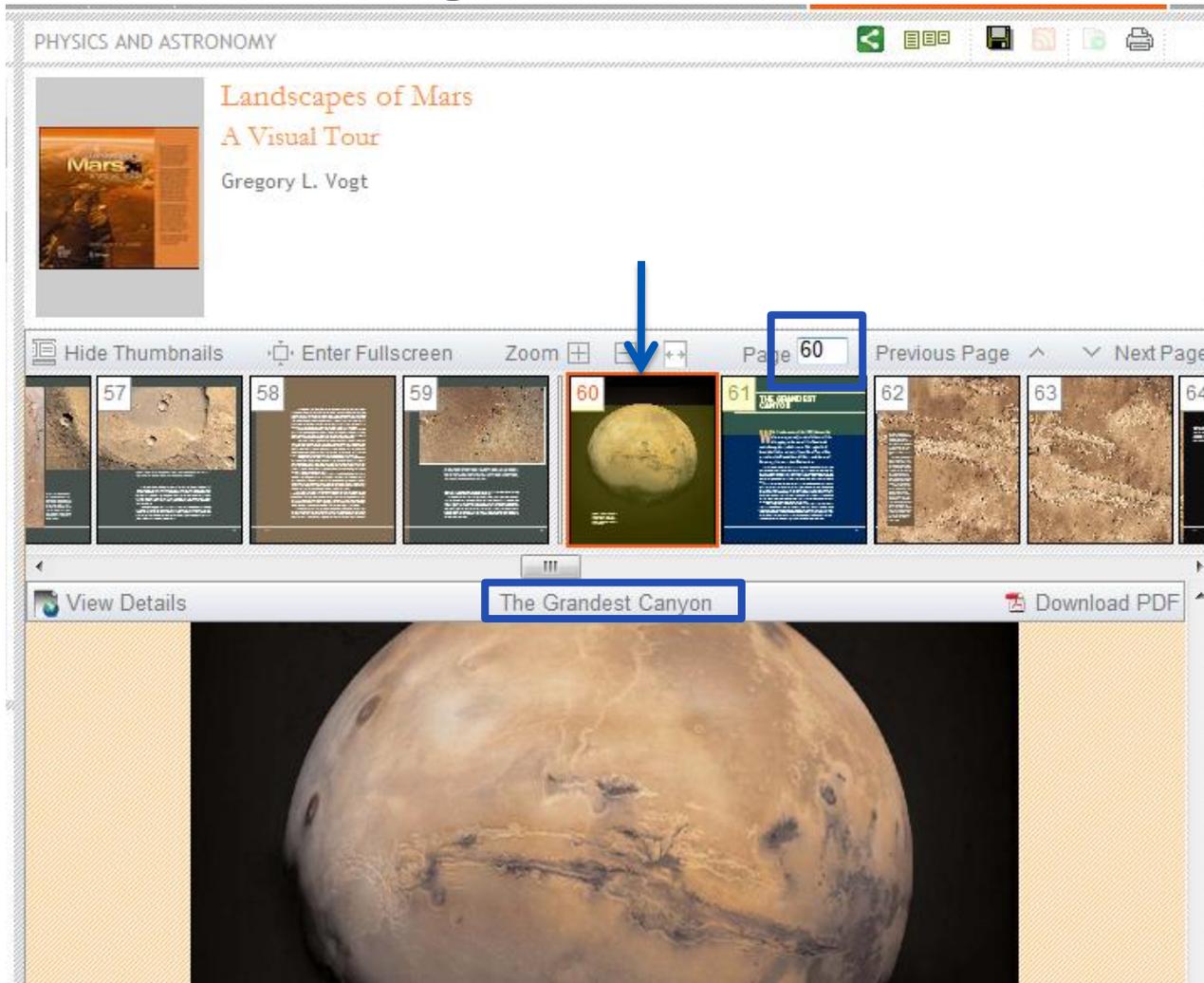
You may never visit the Red Planet in person. But you can experience firsthand in these pages its beauty and uniqueness. You can learn about Mars's past, its land, and its soil. You can climb its mountains and descend into its canyons. Like the rovers that have been roaming around on the surface, relaying back to us pictures of what they see, you can explore Mars for yourself. And you don't even have to put on a space suit!

Complementing veteran science writer Gregory Vogt's engrossing text are some of the best images ever taken of Mars, recent and past. Some of the images show what we have learned about Mars's interior. Others show us how Mars looks in different "seasons." All inform us of how Mars is similar to, or different from, other planets in the Solar System.

So get ready to begin the exciting visual tour offered in these pages. You really can leave Earth—without leaving your chair!

'Look Inside' puts the PDFs for all chapters back together so the user can browse the entire book, bringing the "book" experience back into eBooks. No special software is required.

Look Inside - Navigation



PHYSICS AND ASTRONOMY

Landscapes of Mars
A Visual Tour
Gregory L. Vogt

Hide Thumbnails Enter Fullscreen Zoom Page 60 Previous Page Next Page

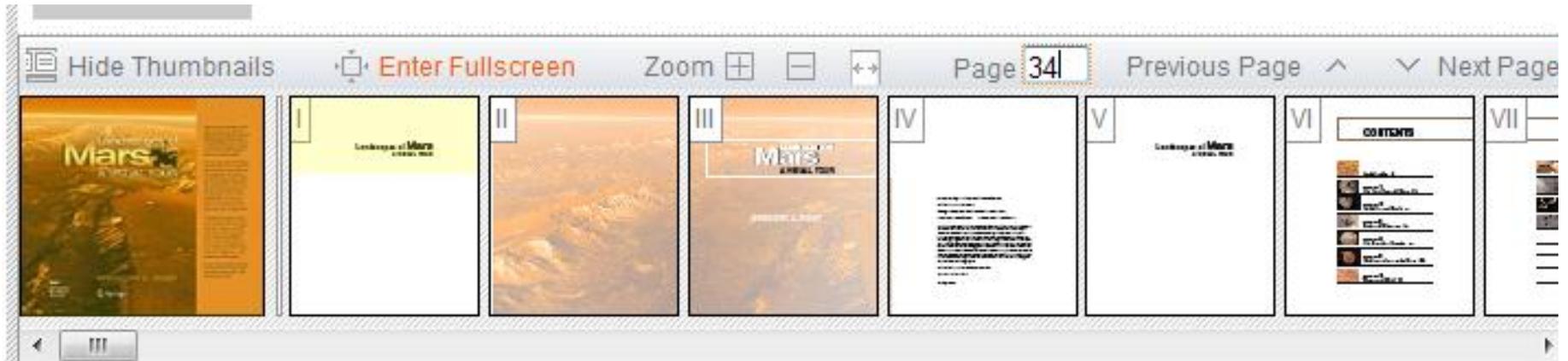
57 58 59 60 61 THE GRANDIEST CANYON 62 63 64

View Details The Grandest Canyon Download PDF

The user will always know where he or she is in the eBook.

Additionally, the bar at the top shows the title of the chapter the user is in.

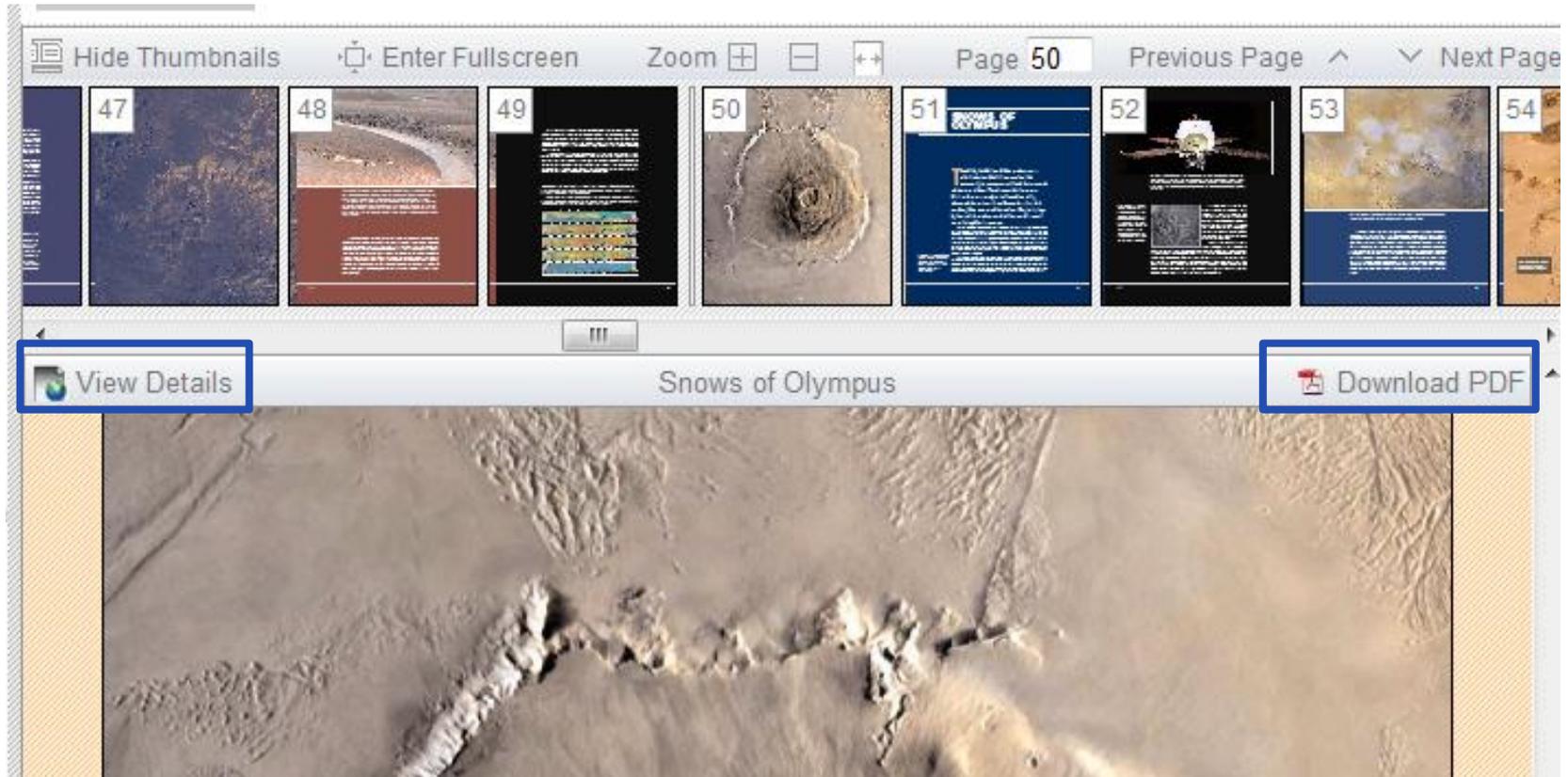
Options in 'Look Inside'



Here the user can

- Show or hide thumbnails
- Enter and exit the full screen mode
- Zoom in and out
- Directly select a page number and jump to that page
- Select next or previous page

View Details or Download the PDF



The screenshot shows a document viewer interface for the document "Snows of Olympus". At the top, there is a navigation bar with the following elements: "Hide Thumbnails" (with a thumbnail icon), "Enter Fullscreen" (with a fullscreen icon), "Zoom" (with plus, minus, and double plus icons), "Page 50", "Previous Page" (with an up arrow icon), and "Next Page" (with a down arrow icon). Below the navigation bar is a row of eight thumbnail images representing pages 47 through 54. The thumbnails show various content: page 47 is a dark blue abstract image; page 48 is a landscape with a winding path; page 49 is a table with multiple columns and rows of data; page 50 is a circular geological feature; page 51 is a blue page with text; page 52 is a satellite image of a spacecraft; page 53 is a landscape with a blue sky; and page 54 is a close-up of a rock surface. Below the thumbnails is a horizontal bar with the document title "Snows of Olympus" in the center. On the left side of this bar is a button labeled "View Details" with a magnifying glass icon, and on the right side is a button labeled "Download PDF" with a PDF icon. Below this bar is a large, detailed image of a rocky, cratered landscape, likely a Martian surface.

Select "View Details" to see references and related documents for each chapter
Select "Download PDF" to download the PDF file if the user is a subscriber



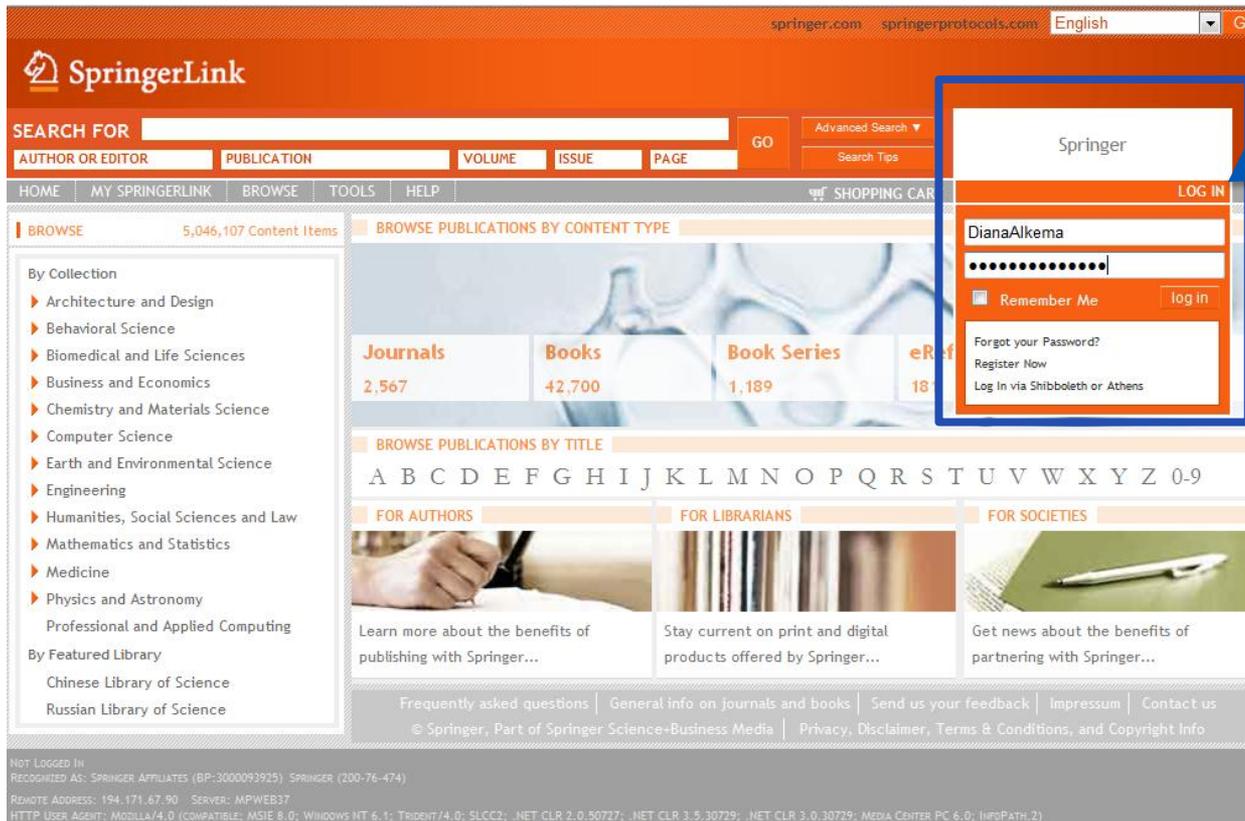
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Personalization and Other Functionalities

Users can log in to their own account

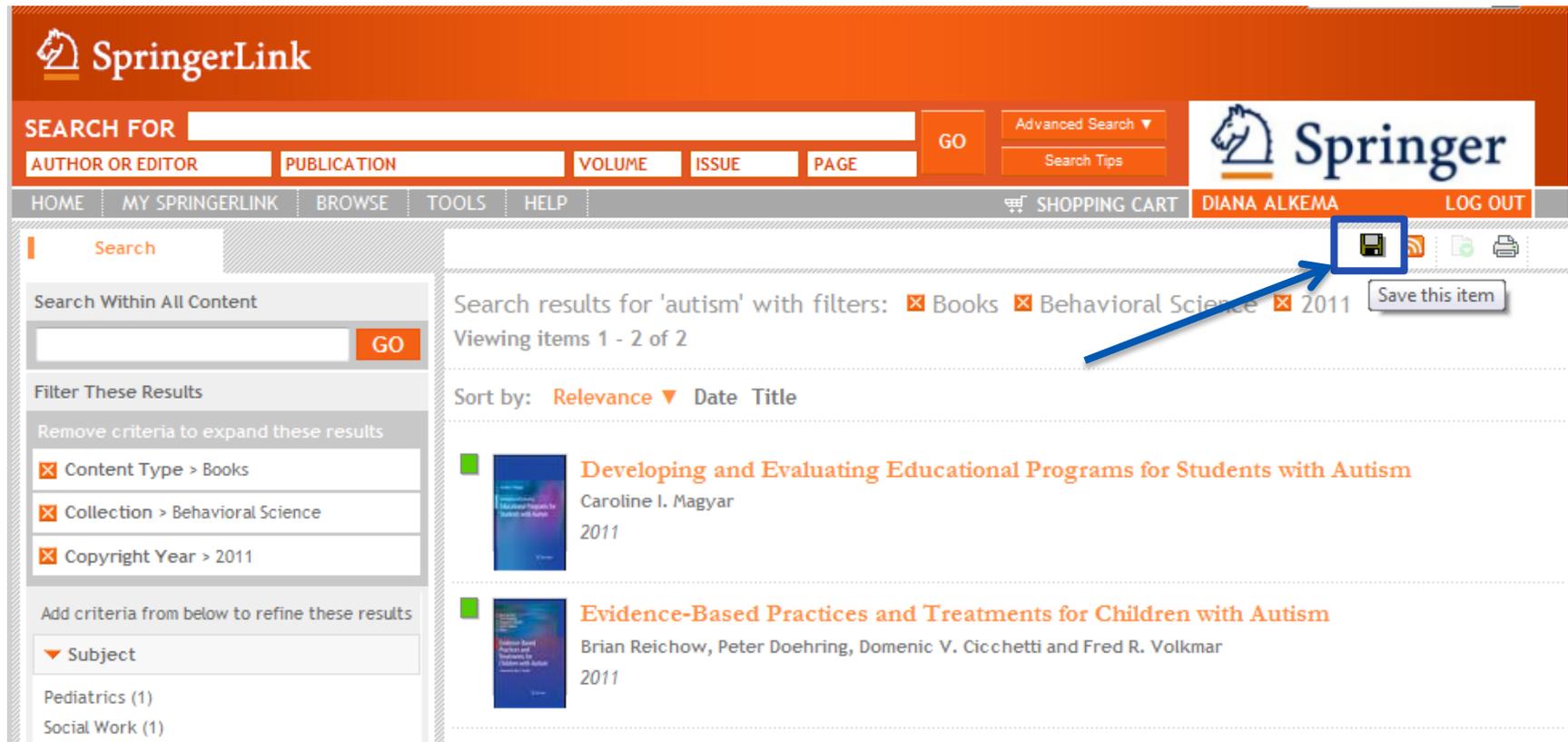


The screenshot shows the SpringerLink website interface. At the top, there is a search bar and navigation links. A blue box highlights the login area, which includes a 'LOG IN' button, a text input field for the username 'DianaAlkema', a password field with masked characters, a 'Remember Me' checkbox, and a 'log in' button. Below the login box, there are links for 'Forgot your Password?', 'Register Now', and 'Log In via Shibboleth or Athens'. The main content area displays 'BROWSE PUBLICATIONS BY CONTENT TYPE' with categories like Journals (2,567), Books (42,700), and Book Series (1,189). There is also a 'BROWSE PUBLICATIONS BY TITLE' section with an alphabetical index. At the bottom, there are links for 'FOR AUTHORS', 'FOR LIBRARIANS', and 'FOR SOCIETIES'.

Users can log in to their own, personal account as well.

A login box is available from every page.

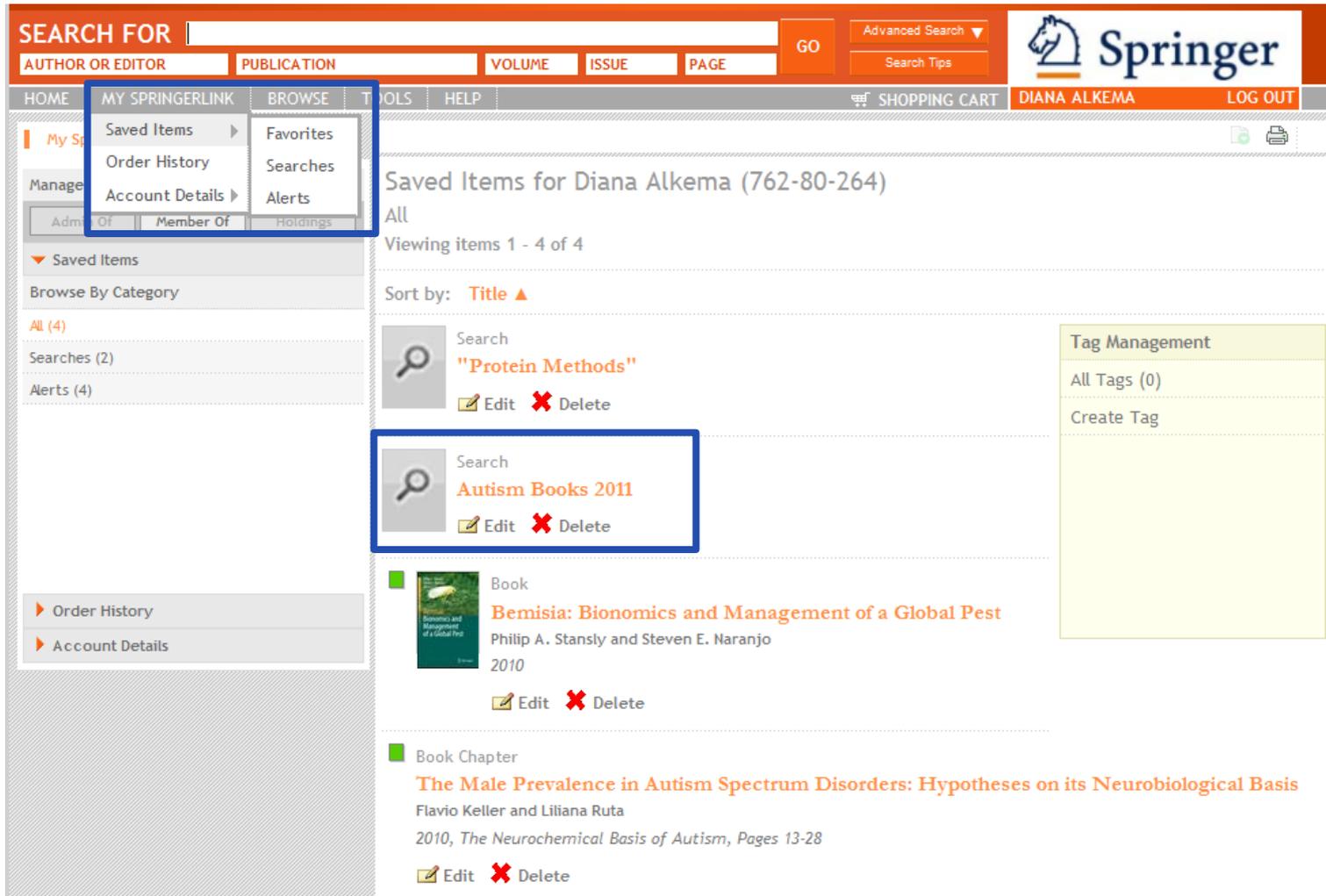
Save a search



The screenshot displays the SpringerLink search interface. At the top, there is a search bar with the text "SEARCH FOR" and a "GO" button. Below the search bar, there are tabs for "AUTHOR OR EDITOR", "PUBLICATION", "VOLUME", "ISSUE", and "PAGE". The user is logged in as "DIANA ALKEMA" and has a "LOG OUT" button. The search results are for "autism" with filters: "Books", "Behavioral Science", and "2011". The results show two items: "Developing and Evaluating Educational Programs for Students with Autism" by Caroline I. Magyar (2011) and "Evidence-Based Practices and Treatments for Children with Autism" by Brian Reichow, Peter Doehring, Domenic V. Cicchetti and Fred R. Volkmar (2011). A blue arrow points to a disk icon in the top right corner of the search results area, which is used to save the current search or item.

Once logged in, the user can benefit from features such as “saved searches” and “saved items”. To save a search or an item, the user can simply click on the disk icon.

Saved Searches



SEARCH FOR **GO** [Advanced Search](#) [Search Tips](#)

AUTHOR OR EDITOR **PUBLICATION** **VOLUME** **ISSUE** **PAGE**

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- Saved Items
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All
Viewing items 1 - 4 of 4

Sort by: **Title** ▲

Search **"Protein Methods"**
Edit Delete

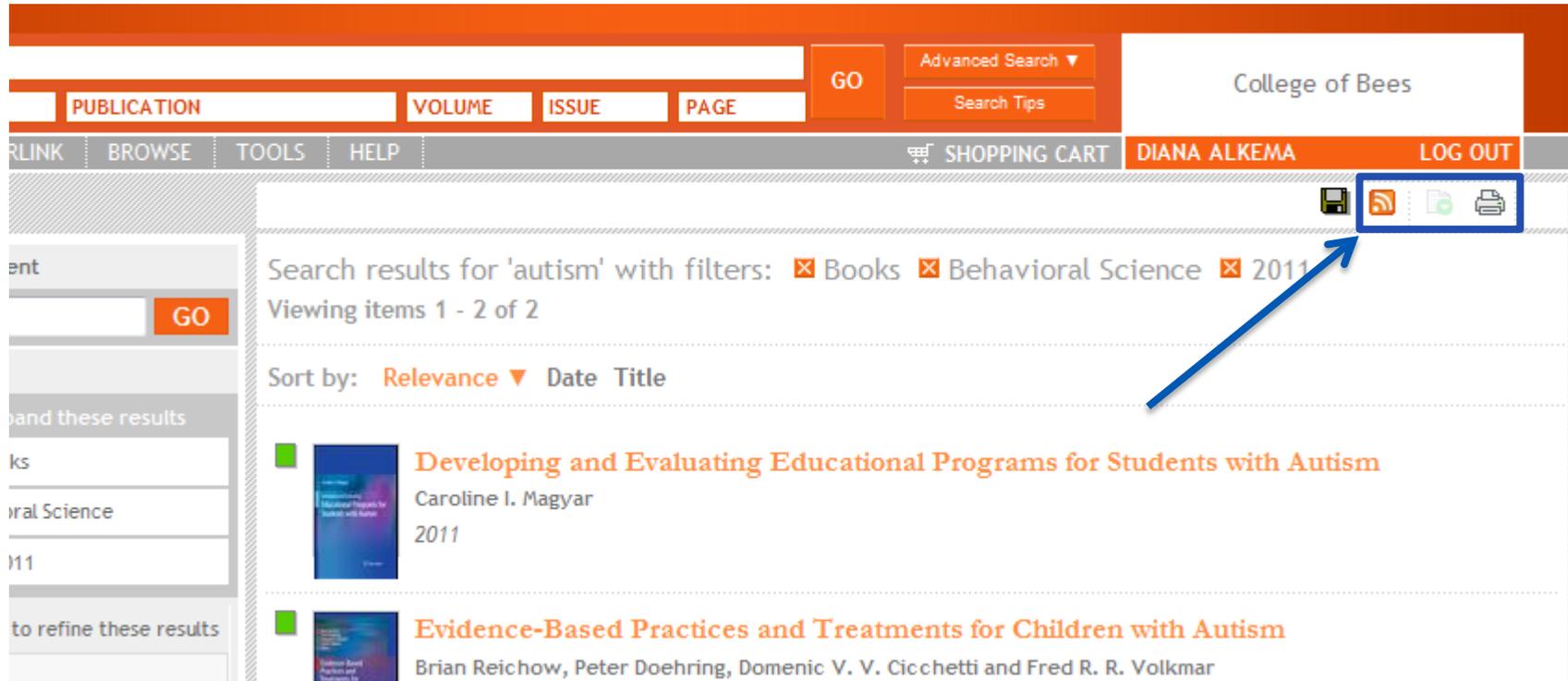
Search **Autism Books 2011**
Edit Delete

Tag Management
All Tags (0)
Create Tag

Book
Bemisia: Bionomics and Management of a Global Pest
Philip A. Stansly and Steven E. Naranjo
2010
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Book Chapter
The Male Prevalence in Autism Spectrum Disorders: Hypotheses on its Neurobiological Basis
Flavio Keller and Liliانا Ruta
2010, *The Neurochemical Basis of Autism*, Pages 13-28
Edit Delete

Other options are RSS Feeds and Print view



Search results for 'autism' with filters: Books Behavioral Science 2011

Viewing items 1 - 2 of 2

Sort by: **Relevance** ▼ Date Title

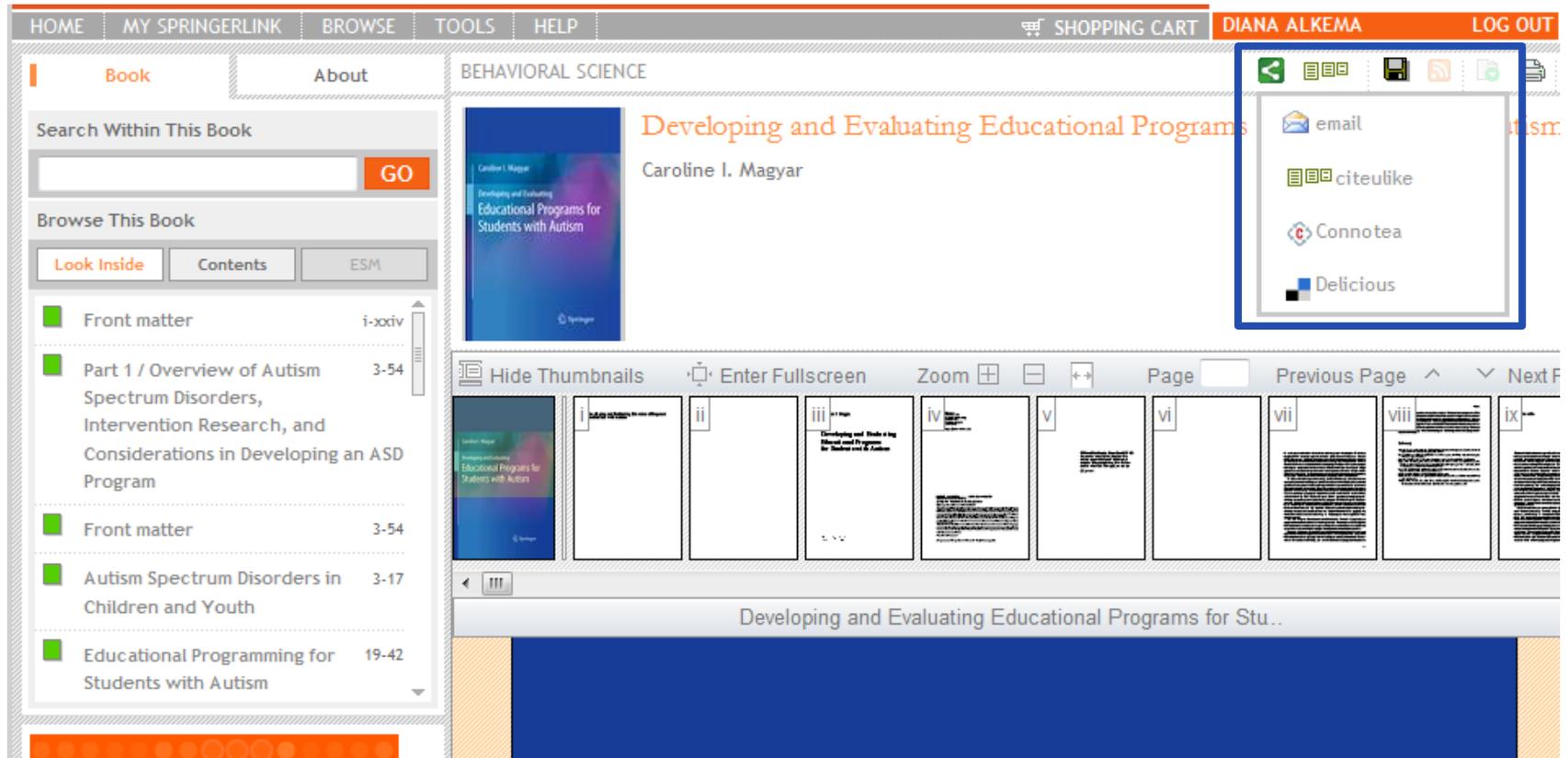
Developing and Evaluating Educational Programs for Students with Autism
Caroline I. Magyar
2011

Evidence-Based Practices and Treatments for Children with Autism
Brian Reichow, Peter Doehring, Domenic V. V. Cicchetti and Fred R. R. Volkmar

The other three icons are to:

- Create RSS Feeds
- Items / List management (currently under development)
- Enable the print view

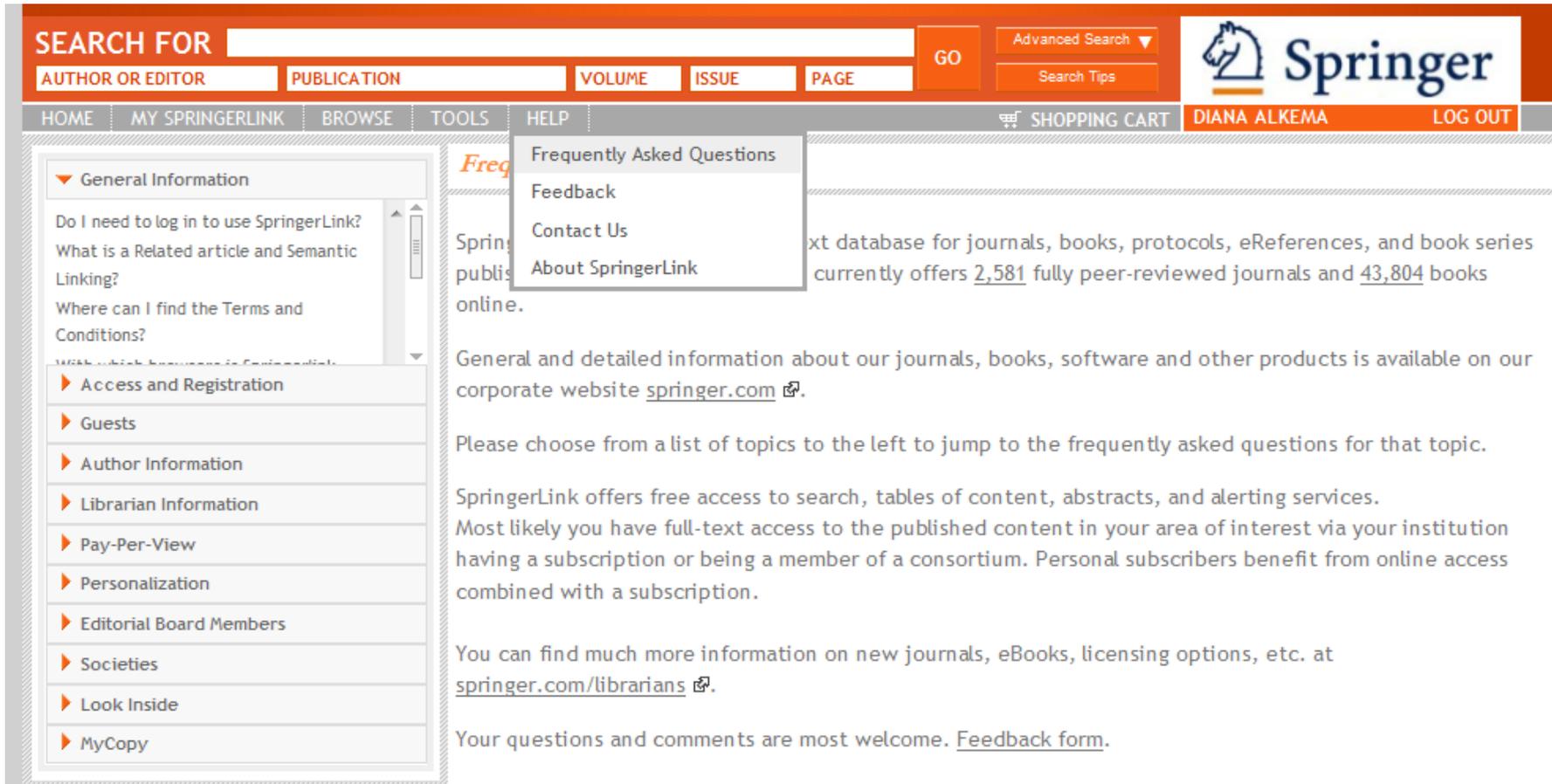
Sharing Results



The screenshot displays the SpringerLink interface for the book "Developing and Evaluating Educational Programs for Students with Autism" by Caroline I. Magyar. The page includes a navigation menu at the top with options like HOME, MY SPRINGERLINK, BROWSE, TOOLS, HELP, SHOPPING CART, and user information (DIANA ALKEMA, LOG OUT). The main content area shows the book title, author name, and a table of contents. A sharing menu is open over the book cover, listing options: email, citeulike, Connotea, and Delicious. The interface also features a search bar, a "Browse This Book" section with "Look Inside", "Contents", and "ESM" buttons, and a "Table of Contents" section with a scrollable list of chapters and page numbers.

On the title, chapter or article level, the results can be shared with peers through email or bookmarking services like: CiteULike, Connotea and Delicious

Frequently Asked Questions under Help in the Menu bar



The screenshot shows the SpringerLink website interface. At the top, there is a search bar with the text "SEARCH FOR" and a "GO" button. Below the search bar are tabs for "AUTHOR OR EDITOR", "PUBLICATION", "VOLUME", "ISSUE", and "PAGE". To the right of the search bar is the Springer logo and the text "DIANA ALKEMA" and "LOG OUT".

The main navigation bar includes "HOME", "MY SPRINGERLINK", "BROWSE", "TOOLS", "HELP", and "SHOPPING CART". The "HELP" menu is open, showing a list of options: "Frequently Asked Questions", "Feedback", "Contact Us", and "About SpringerLink". The "Frequently Asked Questions" option is highlighted.

Below the navigation bar, the "Frequently Asked Questions" section is visible. It contains several paragraphs of text, including:

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Contents of this article

3.1 Introduction

3.2 Materials

3.2.1 Reagents

3.2.2 Buffers and Solutions

3.2.3 Equipment

3.3 Methods

3.3.1 Cross-Linking

3.3.2 Lysis

3.3.3 Sonication

3.3.4 Isolating Total DNA (...)

3.3.5 Immunoprecipitation

3.3.6 PCR and Calculation 0...

3.3.7 Analysis

3.4 Notes

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- Protein Science (332)

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- 2008-2010 (921)

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- Title

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Apr-01-2002; **DOI:10.1385/1-59259-177-9:111**

Isolation and purification of environmental DNA for molecular cloning and molecular diversity studies

[by Andreas Santosa](#)

Apr-01-2001; **DOI:10.1385/MB:17:1:59**

Rapid extraction and purification of environmental DNA for molecular cloning and molecular diversity studies A rapid method for the isolation and purification of DNA from environmental...

[Text](#) | [PDF \(138K\)](#)

Isolation and cloning of DNA fragments fractionated on agarose gels

[by Hugh G. Griffin, Michael J. Gasson](#)

Apr-01-1995; **DOI:10.1007/BF02789109**

Isolation and cloning of DNA fragments fractionated on agarose gels. The isolation and cloning of DNA fragments from acrylamide or agarose gels is a commonly used technique in the molecular biology laboratory...

[Abstract](#) | [Full Text](#) | [PDF \(428K\)](#)

2. Materials

2.1. Mice and Cell Lines

1. ddY mice (*see Note 2*).
2. Mouse bone marrow derived stromal cell lines, ST2 and MC3T3-G2/PA6 (RIKEN Cell Bank, Tsukuba, Japan).
3. Human embryonic kidney cell line 293 (American Type Culture Collection, Manassas, VA).

2.2. Reagents

1. Recombinant human M-CSF (Leukoprol; Kyowa Hakko Kogyo Co. Tokyo, Japan, or R & D systems, Minneapolis, MN) (*see Note 3*).
2. Recombinant mouse TNF- α , and human IL-1 α (R&D Systems).
3. 1 α ,25-(OH) $_2$ D $_3$ and PGE $_2$ (Wako Pure Chemical Industries, Ltd., Osaka, Japan).
4. PTH (Peptide Institute, Inc., Osaka) and IL-11 (R&D Systems).
5. Human osteoprotegerin (OPG) and a soluble form of human RANKL (Pepro Tech EC Ltd., London, UK).
6. Synthetic analogue of eel calcitonin (Elcatonin, Asahi Chemical Industry Co. Tokyo, Japan).
7. 125 I-labeled human calcitonin (Amersham Inc., Buckinghamshire, UK).
8. NR-M2 emulsion (Konica Co., Tokyo).
9. Rendol developer (Fuji Photo Film Co., Tokyo).
10. Type I collagen gel solution (cell matrix type IA; Nitta Gelatin Co., Osaka) (*see Note 4*).
11. Bacterial collagenase (Wako Pure Chemical Industries, Ltd.).
12. Tissue culture plastics (Corning).
13. α -Modification of minimum essential medium α -MEM), Dulbecco's modified Eagle's medium (DMEM), and Ca $^{2+}$ - and Mg $^{2+}$ -free phosphate-buffered saline [PBS(-)] (Sigma Chemical Co., St. Louis, MO).
14. Fetal bovine serum (FBS) (JRH Biosciences, Lenexa, KS or Gibco BRL, Gaithersburg, MY).
15. Sterile instruments, syringes, and needles.
16. Other chemicals and reagents are of analytical grade.

2.3. Culture Media and Buffer Solutions

1. α -MEM containing 10% FBS for cultures of mouse bone marrow cells.
2. DMEM containing 10% FBS for cultures of 293 cells.
3. PBS(-) for washing cells.
4. α -MEM containing 0.2% bacterial collagenase for detachment of cells cultured on collagen gel coated dishes.

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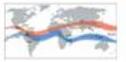
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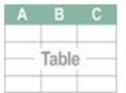
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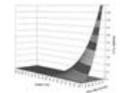


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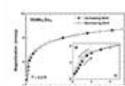
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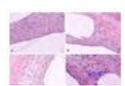


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Mortality as a function of water depth and rate of rise (Kok et al. 2002)





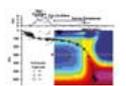
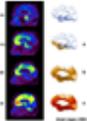
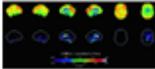
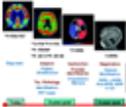
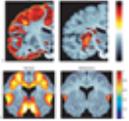
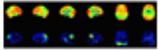
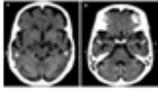
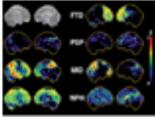
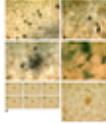


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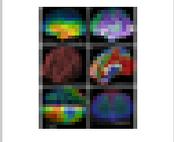
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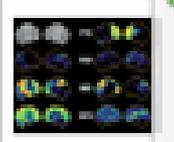
				
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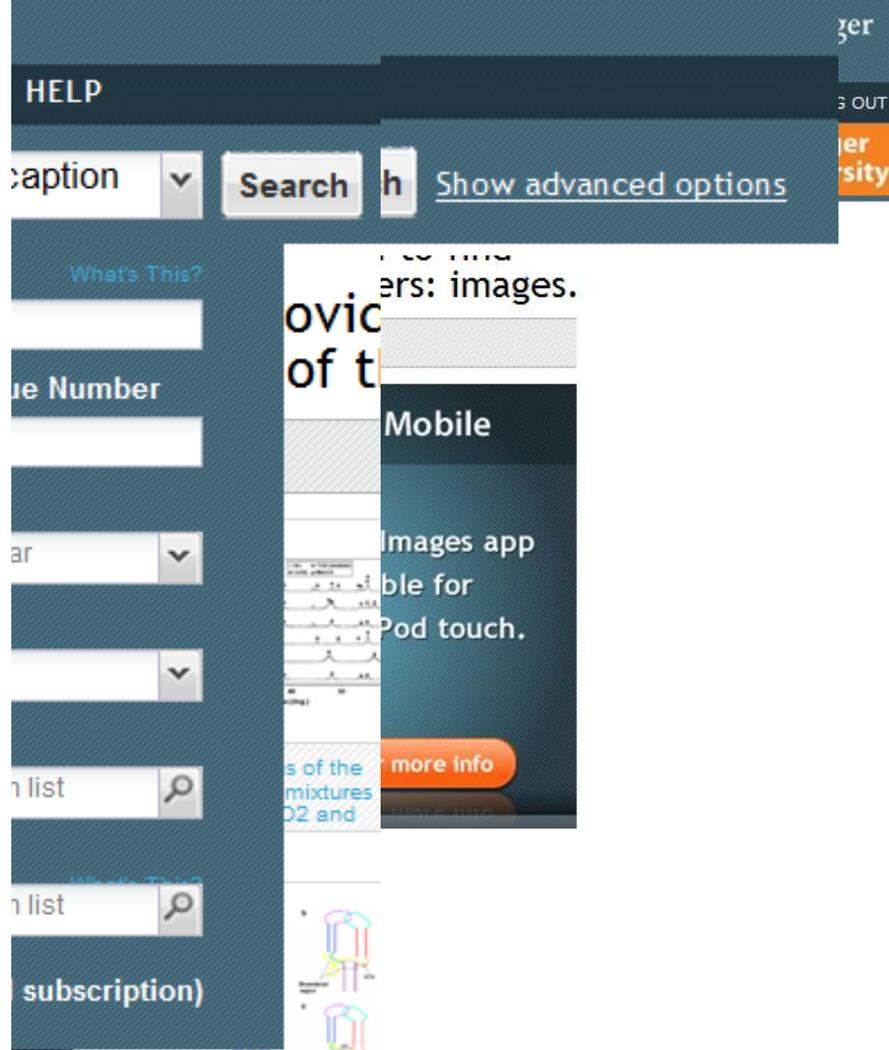
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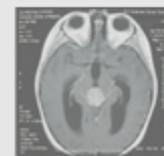
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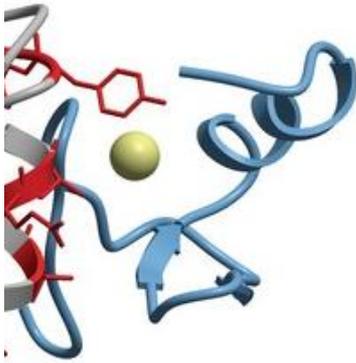
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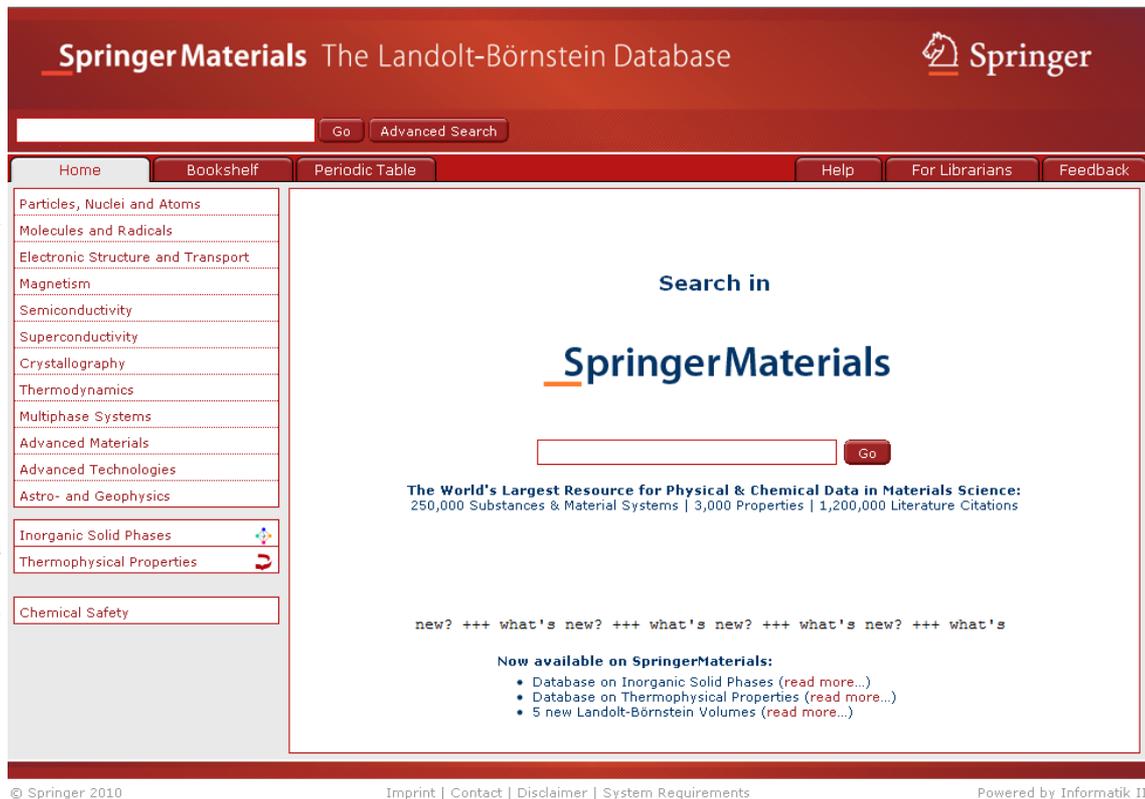
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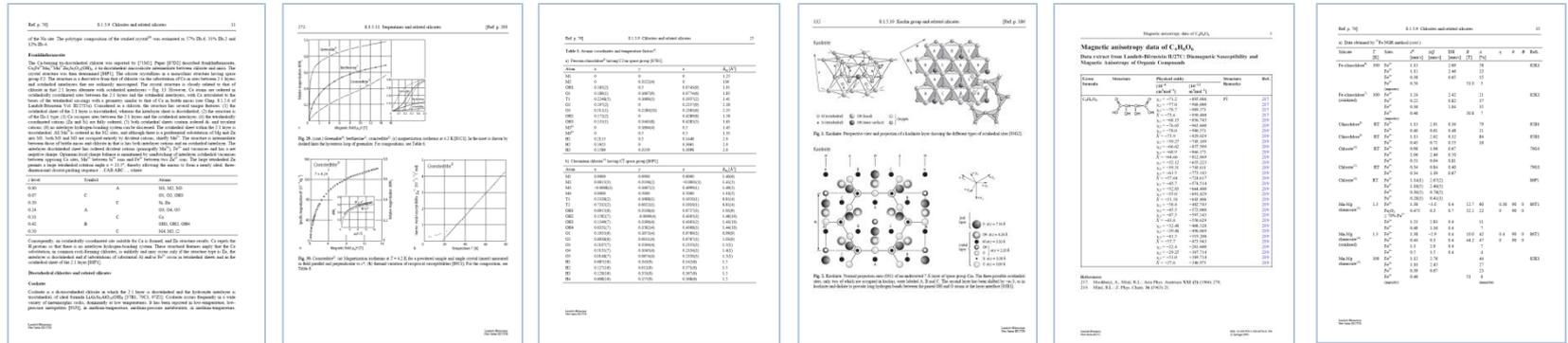
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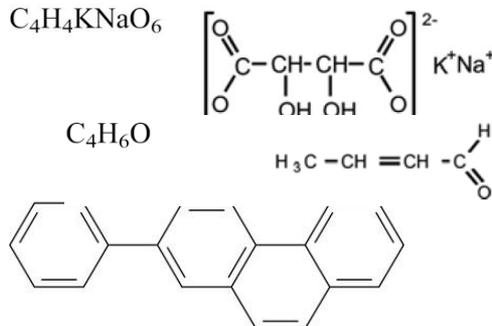
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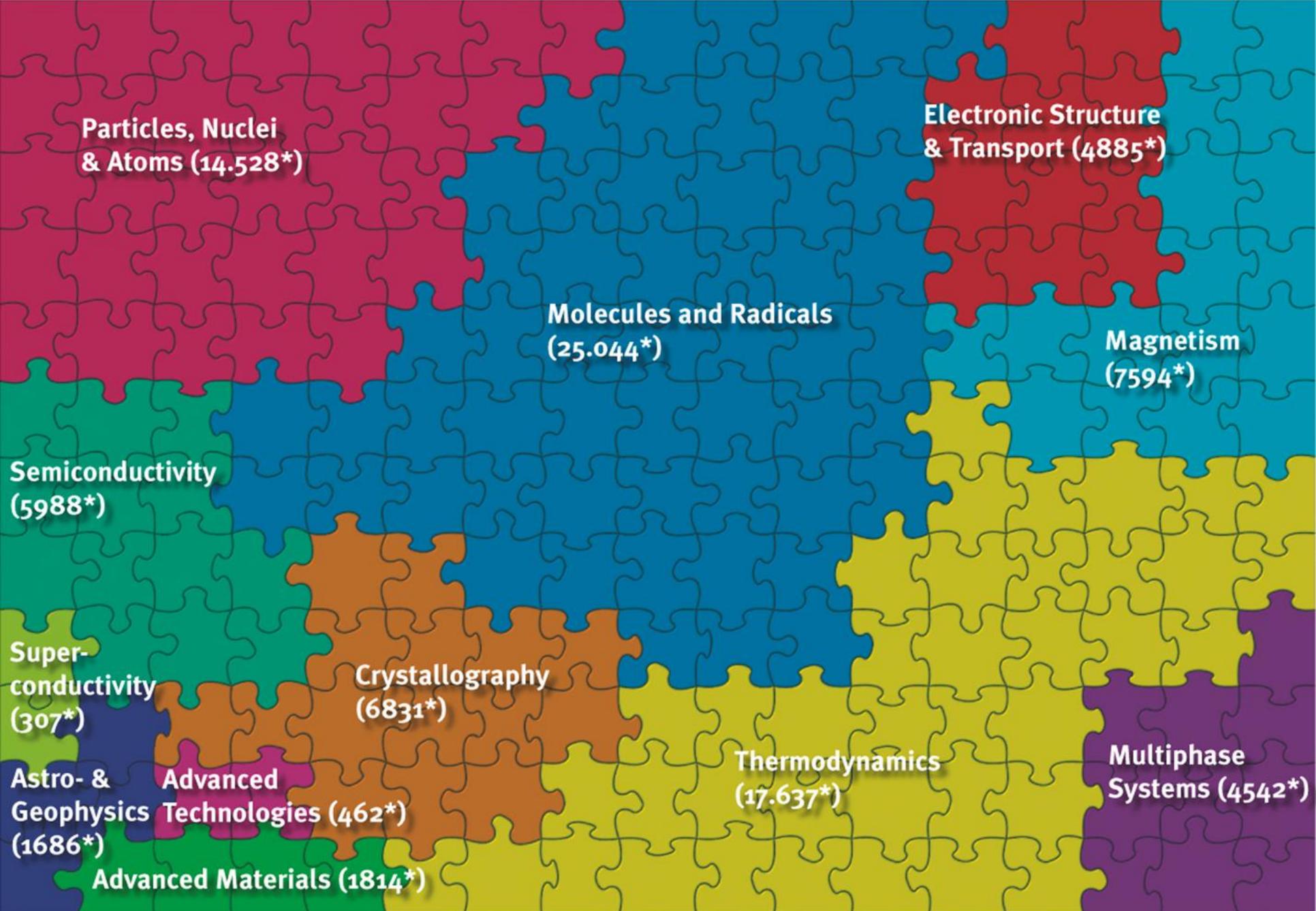
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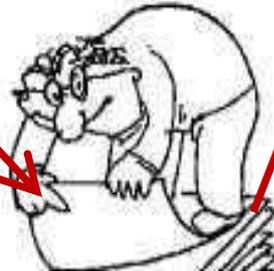
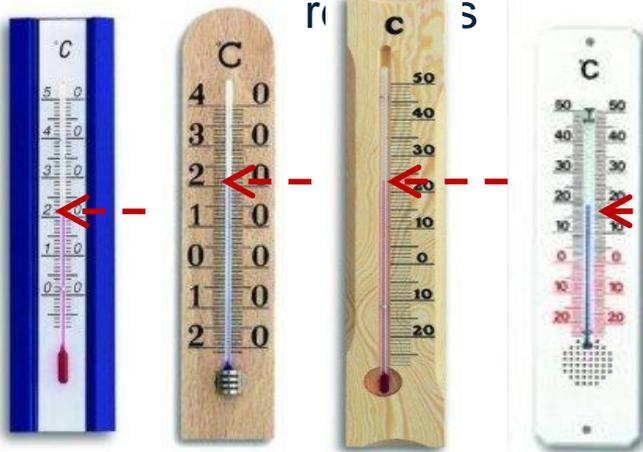
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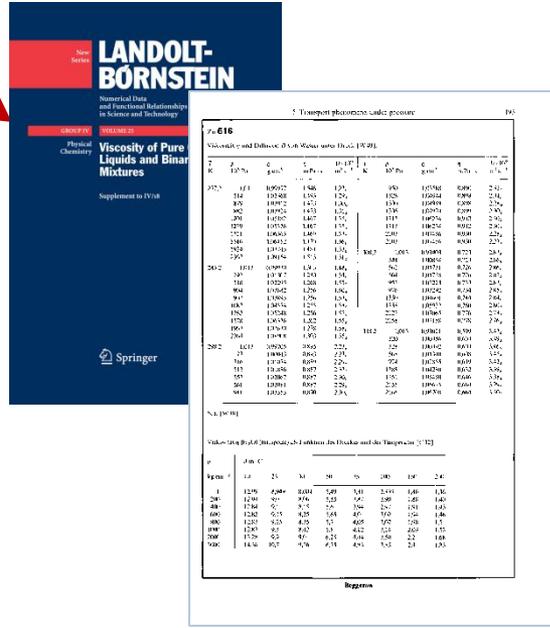


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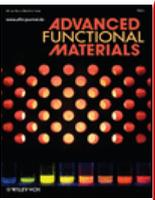



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300	0.727	0.9168	0.7931	0.7931	0.7931	0.7931	0.7931	0.7931	0.7931
350	0.467	0.804	0.581	0.581	0.581	0.581	0.581	0.581	0.581
400	0.282	0.726	0.388	0.388	0.388	0.388	0.388	0.388	0.388
450	0.174	0.662	0.263	0.263	0.263	0.263	0.263	0.263	0.263
500	0.108	0.609	0.177	0.177	0.177	0.177	0.177	0.177	0.177
550	0.068	0.566	0.120	0.120	0.120	0.120	0.120	0.120	0.120
600	0.042	0.531	0.079	0.079	0.079	0.079	0.079	0.079	0.079
650	0.026	0.502	0.052	0.052	0.052	0.052	0.052	0.052	0.052
700	0.016	0.478	0.032	0.032	0.032	0.032	0.032	0.032	0.032
750	0.009	0.458	0.020	0.020	0.020	0.020	0.020	0.020	0.020
800	0.006	0.441	0.013	0.013	0.013	0.013	0.013	0.013	0.013
850	0.004	0.426	0.008	0.008	0.008	0.008	0.008	0.008	0.008
900	0.003	0.413	0.005	0.005	0.005	0.005	0.005	0.005	0.005
950	0.002	0.401	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1000	0.001	0.390	0.002	0.002	0.002	0.002	0.002	0.002	0.002



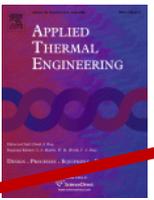
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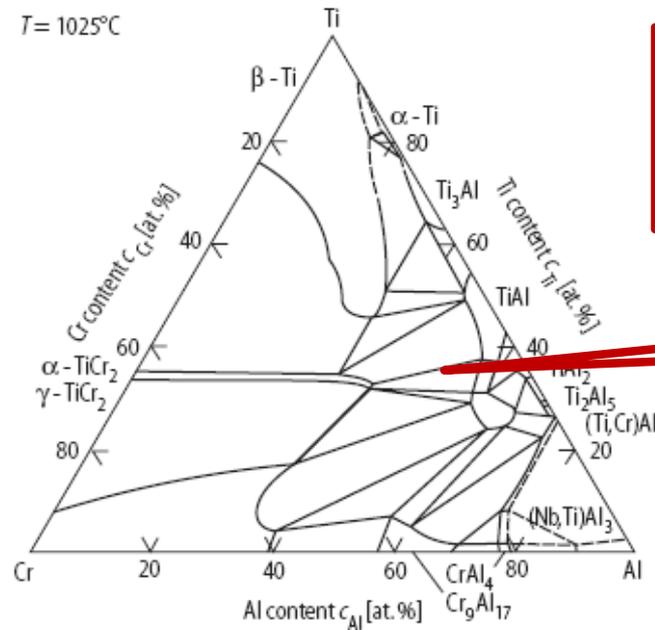


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Fig. 14.4. Isothermal section of the Ti-Al-Cr phase diagram at 1025 °C [97P1] - see also [97X1, 98H3].

Text

14.4.2.2 Ti₃Al-base alloys

14.4.2.2.1 Compositions and applications

Various Ti₃Al-base alloys have been developed which contain niobium as major alloying element and further elements for obtaining an optimised balance of strength, deformability, toughness and oxidation resistance. The alloys are two-phase or three-phase and contain additional phases besides the phase Ti₃Al, which is known as the α₂ phase. The usual additional phases are the β phase, which is Ti-rich and which has the b.c.c. structure or is ordered with B2 structure, the orthorhombic Ti₃Al₂Nb phase, and/or the ω-type phase Ti₄Al₃Nb with B8₂ structure [92B1, 95B]. In addition, they have been used as matrices for intermetallic matrix composites, which rely primarily on the SiC fibre SCS-6 [92L]. Current Ti₃Al-base alloys with engineering significance are listed in Table 6.

Tables

Table 6. Important Ti₃Al-base alloys [92B1, 95B].

Type	Alloy [at.%]	Designation	Phases
α ₂	Ti-24Al-11Nb	24-11	α ₂ + β
α ₂	Ti-25Al-11Nb	25-11	α ₂ + β

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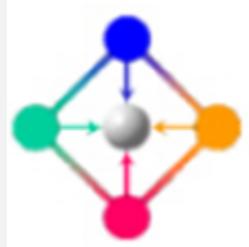
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Database on Inorganic Solid

“Linus Pauling File”

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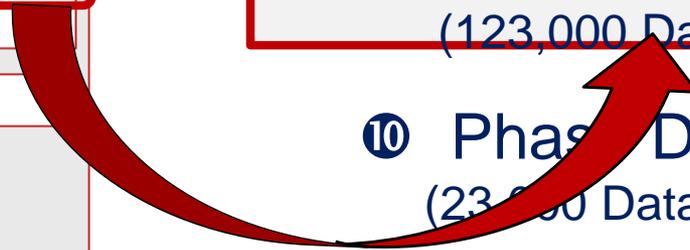
(44,000 Data Sheets)

⑩ Structure/Diffraction Data

(123,000 Data Sheets)

⑩ Phase Diagrams

(23,000 Data Sheets)

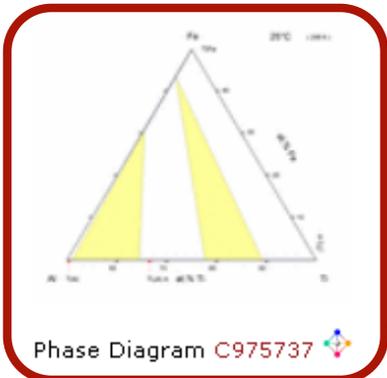


Al-Fe-Ti, ternary phase diagram, isothermal section

Element System: Al-Fe-Ti

Inorganic Solid Phases · phase diagrams

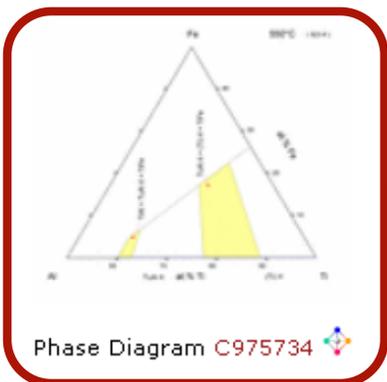
Diagram details: Al conc.[0-50 at.%] vs. Fe conc.[0-50 at.%] vs. Ti conc.[50-100 at.%]



Phase Diagram C975737

from: Seibold A., Seibold A., Seibold A., Seibold F.: "Phasengleichgewichte in den ternären Systemen Ti-Fe-O und Ti-Al-Fe", Z. Metallkd. **72** (1981) 712-719.

Diagram details: Al conc.[0-30 wt.%] vs. Fe conc.[0-30 wt.%] vs. Ti conc.[70-100 wt.%]



Phase Diagram C975734

from: Volkova M.A., Kornilov I.I.: "PHASE EQUILIBRIUM IN TITANIUM-RICH Ti-Al-Fe ALLOYS", Russ. Metall. **3** (1970) 134-137.

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Overview of Relevant Data Sheets

Diagram details: Al conc.[0-45 at.%] vs. Fe conc.[0-27 at.%] vs. Ti conc.[55-100 at.%]

Element System: Al-Fe-Ti

Ternary Phase Diagram

Investigated Concentration Ranges: Al conc.[0-50 at.%) vs. Fe conc.[0-50 at.%) vs. Ti conc.[50-100 at.%)

Constitution Entry Summary

System	Al-Fe-Ti
Diagram Type	ternary, isothermal section
Concentration Range	partial composition; Ti-TiAl-TiFe / 50-100 at.% Ti
Temperature	298 K
Investigation	experimental
APDIC	non-APDIC

Reference

Seibold A.: "Phasengleichgewichte in den ternären Systemen Ti-Fe-O und Ti-Al-Fe", Z. Metallkd. 72 (1981) 712-719.

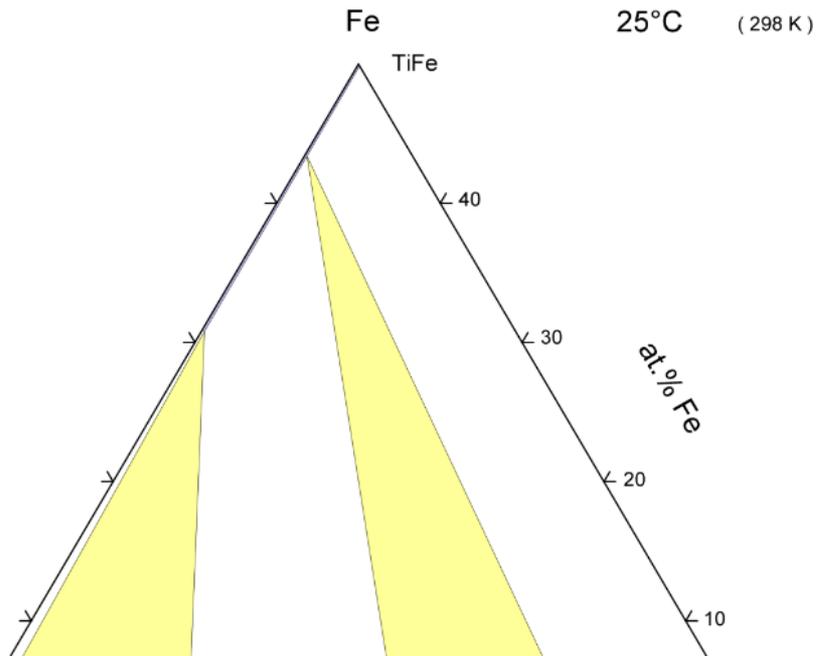
Phase Diagram

Published Phase Diagram

Figure	19
Title	Al-Fe-Ti isothermal section at 25 °C
Parameters	Al conc.[0-50 at.%) vs. Fe conc.[0-50 at.%) vs. Ti conc.[50-100 at.%)

Redrawn Phase Diagram

Concentration range	partial composition; Ti-TiAl-TiFe
Enlargement	0.6



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Inorganic Solid Phases



Thermophysical Properties



Chemical Safety



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Subset of the DDBST /
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& Separation Technology

10 Thermophysical Properties of
50 Organic Liquids + Water and
their
1225 Binary Mixtures



Methanol / Water

Thermophysical Data in the Dortmund Data Bank

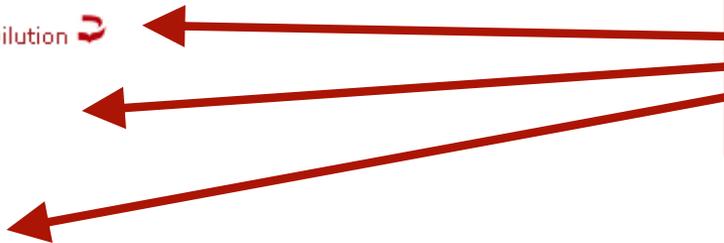
Components

No.	Formula	Molar Mass	CAS Registry Number	Name
1	CH ₄ O	32.042	67-56-1	Methanol
2	H ₂ O	18.015	7732-18-5	Water

List of Available Properties

- Activity Coefficients at Infinite Dilution ↻
- Azeotropic Data ↻
- Excess Heat Capacities ↻
- Heat Capacities ↻
- Excess Enthalpies ↻
- Mixture Viscosities ↻
- Solid-Liquid Equilibria ↻
- Excess Volumes ↻
- Densities ↻
- Vapor-Liquid Equilibria ↻

„Thermophysical Properties“:
Overview of Available Data



Dortmund Data Bank Edition - 2010. Integrated in SpringerMaterials - 2010
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Methanol / Water
Activity Coefficients at Infinite Dilution
Components

No.	Formula	Molar Mass	CAS Registry Number	Name
1	CH ₄ O	32.042	67-56-1	Methanol
2	H ₂ O	18.015	7732-18-5	Water

Water solved in Methanol

Temperature [K]	Activity Coeff. at Inf. Dil.	Measurement Method	Source
298.15	1.6300	CPEQ	4
298.15	4.1800	OTHR	2
307.75	1.6000	EBUL	1
313.15	2.2000	STAT	3
317.85	1.8000	EBUL	1
323.15	3.2600	OTHR	2
327.85	1.7000	EBUL	1
333.15	1.7700	CPEQ	4
337.05	1.7600	EBUL	1
373.15	1.6700	CPEQ	4

[Download Data Table as CSV File](#)
List of measurement methods

Short Term	Explanation
CPEQ	calculated from phase equilibria
EBUL	ebulliometry
OTHR	other techniques
STAT	static method

List of References

1	Bergmann D.L., Eckert C.A.: Measurement of Limiting Activity Coefficients for Aqueous Systems by Differential Ebulliometry. Fluid Phase Equilib. 63 (1991) 141-150
2	Schmidt T.W.: Determination of Infinite Dilution Activity Coefficients (gamma infinite) using Molecular Beams. US-Patent (1980) 1-16
3	Belousov V.P., Makarova N.I., Sabylin I.I.: Thermodynamic Properties of the Water-Ethanol-Dioxan Ternary System at 25°C. Viniti (1973) 1-10
4	Pierotti G.J., Deal C.H., Derr E.L.: (Addendum included). Ind.Eng.Chem. 51 (1959) 95-102

Methanol solved in Water

Temperature [K]	Activity Coeff. at Inf. Dil.	Measurement Method	Source
273.35	1.2300	STAT	26
283.15	1.4000	STAT	26
283.15	1.4100	DILU	22
293.15	1.5500	DILU	22
293.15	1.5500	STAT	26
293.15	1.6800	STAT	16
293.15	2.6900	GLCI	1
297.45	2.1200	GLCI	2
298.15	1.5300	HENR	15
298.15	1.5300	CPEQ	23
298.15	1.5800	GLCI	17
298.15	1.6400	GLCR	8
298.15	1.6400	DILU	6

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Inorganic Solid Phases



Thermophysical Properties



Chemical Safety



Chemical Safety

(44,000 Documents)

- ⑩ REACH (Registration, Evaluation, Authorization and Restriction of Chemicals)
- ⑩ GHS (Globally Harmonized System)
- ⑩ RoHS (Restriction of Hazardous Substances)
- ⑩ WEEE (Waste from Electrical and

- 44,000 documents on **REACH | GHS | RoHS | WEEE**
- Identifies recognized potential dangers of a substance
- Standardized classification and labeling
- European Union Regulation requires all companies manufacturing or importing /exporting chemical substances to/from the European Union in quantities of > 1 t/a to register at European Chemicals Agency (ECHA)
- **SpringerMaterials has been official identified as a REACH compliant provider by the European Chemicals Agency (ECHA)**
- Information instantly available under one source – one-stop shopping



European regulations regarding benzenemethanol (C₇H₈O)

Name benzenemethanol **Formula:** C₇H₈O
CAS-RN 100-51-6 **Molecular Weight:** 108.138 g/mol
EG-Index: 603-057-00-5 (93/72/EEC)
EINECS: 202-859-9 (EINECS)

Hazard Information (Dangerous Substances Directive 67/548/EEC)

Hazard symbol		93/72/EEC
R-Phrase	Xn Harmful 20/22 R20/22 Harmful by inhalation and if swallowed.	93/72/EEC
S-Phrase	(2-)26 S2 Keep out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	93/72/EEC

GHS classification (Globally Harmonized System)

Regulation on Classification, Labelling and Packaging of Substances and Mixtures (CLP)

Signal Word	Warning	EC/1272/2008
Pictogram		
Hazard Statements	H332 Harmful if inhaled. H302 Harmful if swallowed.	
Precautionary Statements	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash ... thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P501 Dispose of contents/container to ...	
Classification	Acute Tox. 4 *	
EC-Reference	Acute Tox. 4 * 603-057-00-5	

Actual Safety Document

European Chemicals Agency (ECHA) pre-registration

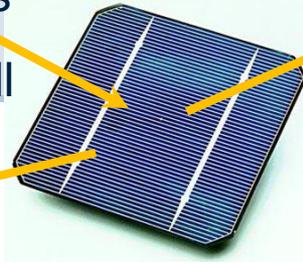
Pre-registered substance	EC-Number: 202-859-9 CAS-Number: 100-51-6 Name: benzyl alcohol Synonym: - Registration Date: 30/11/2010	ECHA pre
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References

93/72/EEC
Short: 93/72/EEC
Title: Commission Directive 93/72/EEC of 1 September 1993 adapting to technical progress for the nineteenth time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances
Author: Council of the European Economic Community
Source: *Official Journal of the European Communities*
Volume: L 258 A (16.10.1993)
Page: 1-1409
Year: 1993
Keyword: hazardous materials; hazard classification
Internet Resource: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31993L0072:EN:HTML>
Publish Date: 1993/10/16
Short: EC/1272/2008
Title: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Author: European Parliament; Council of the European Union
Source: *Official Journal of the European Union*

EC/1272/2008

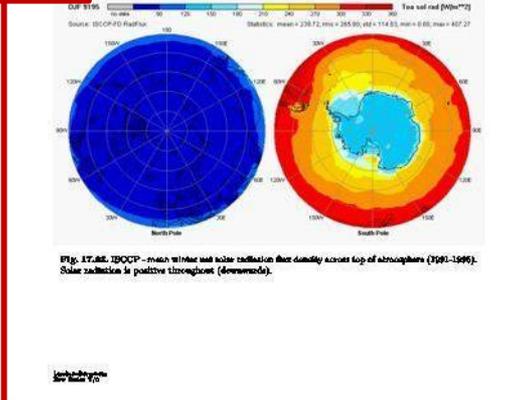
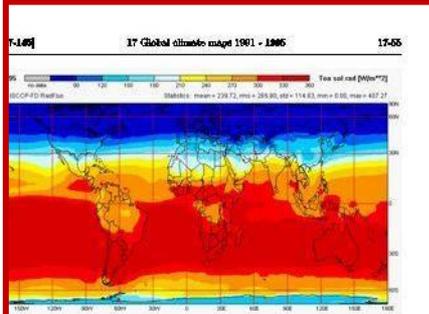
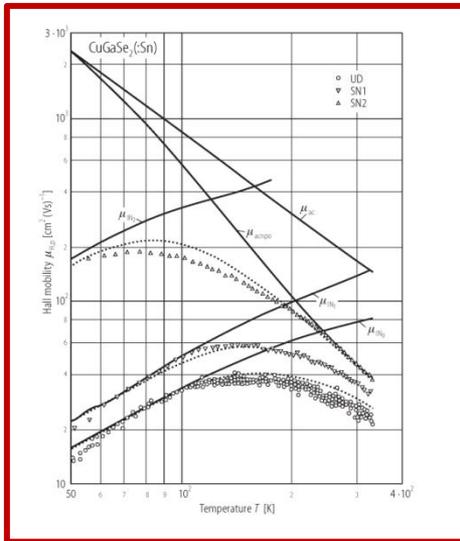
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Aircraft engineer needs
new alloy for construction
of stronger winglets:
e.g., Al-Fe-Ti



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Select elements by clicking on the symbols.
Deselect elements by clicking a second time.

Your Selection
Al-Fe-Ti

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1. Selects components by clicking on elements in periodic table

2. Available content shown

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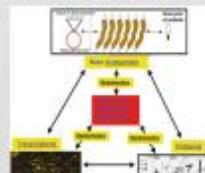
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