



the language of science

# SpringerLink Manual

**Springer** 한국지사  
김영경

- Springer에서 출판되는 통합 Full Text Database
  - Journals
  - Books
  - Protocols
  - eReferences
  - Book series
- 주제별 분류된 470만 건의 아티클 수록  
(2,246종의 Peer-reviewed Journal, 38,000 여 eBook)
- IP 자동인증 방식 및 Remote ID/PW를 통한 교외접속 동시 제공
- 모든 Springer 출판물에 대한 검색, TOC 및 초록, 색인정보에 무료 접근 가능하며 Alerting service 제공

[www.springerlink.com](http://www.springerlink.com)

# 1. 메인 페이지의 구성

[www.springerlink.com](http://www.springerlink.com): SpringerLink 는 아래의 자료 제공

- 자료 유형  
: Journals, Book Series, Books, Reference Works, Protocols
- 12 주제별 , 그리고 2개의 지역별 Journal Collections

언어 선택

브라우징

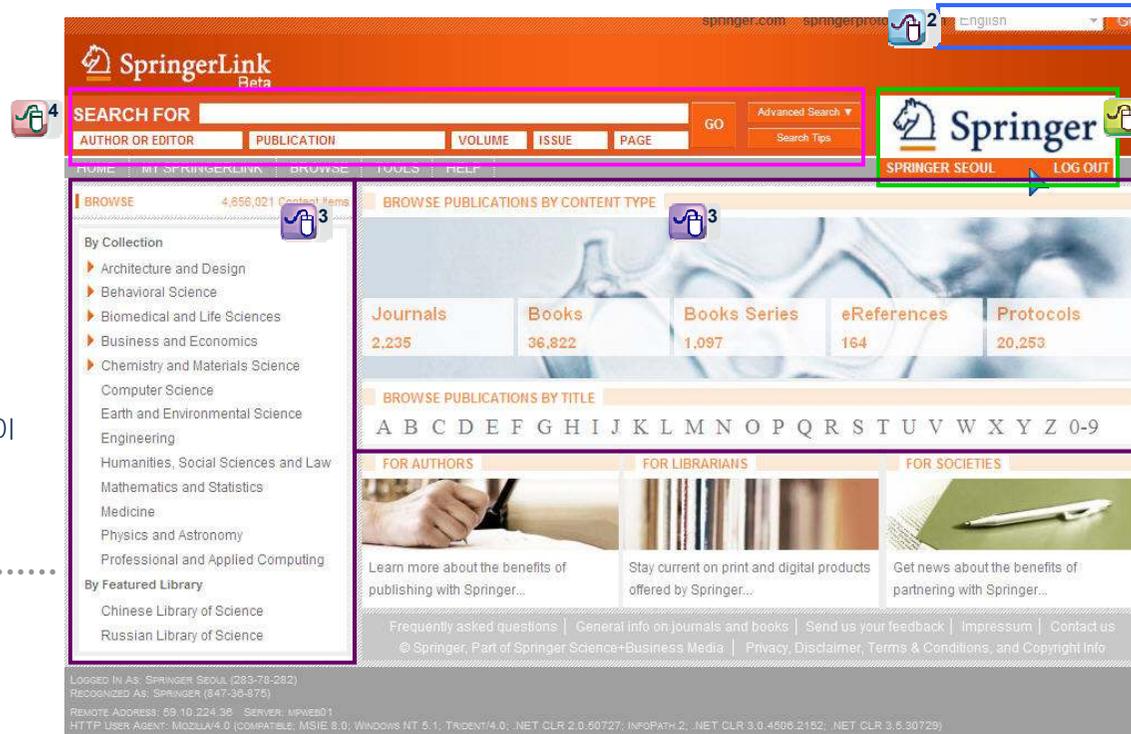
- 자료 유형
- 주제별 Collection
- A-Z

검색

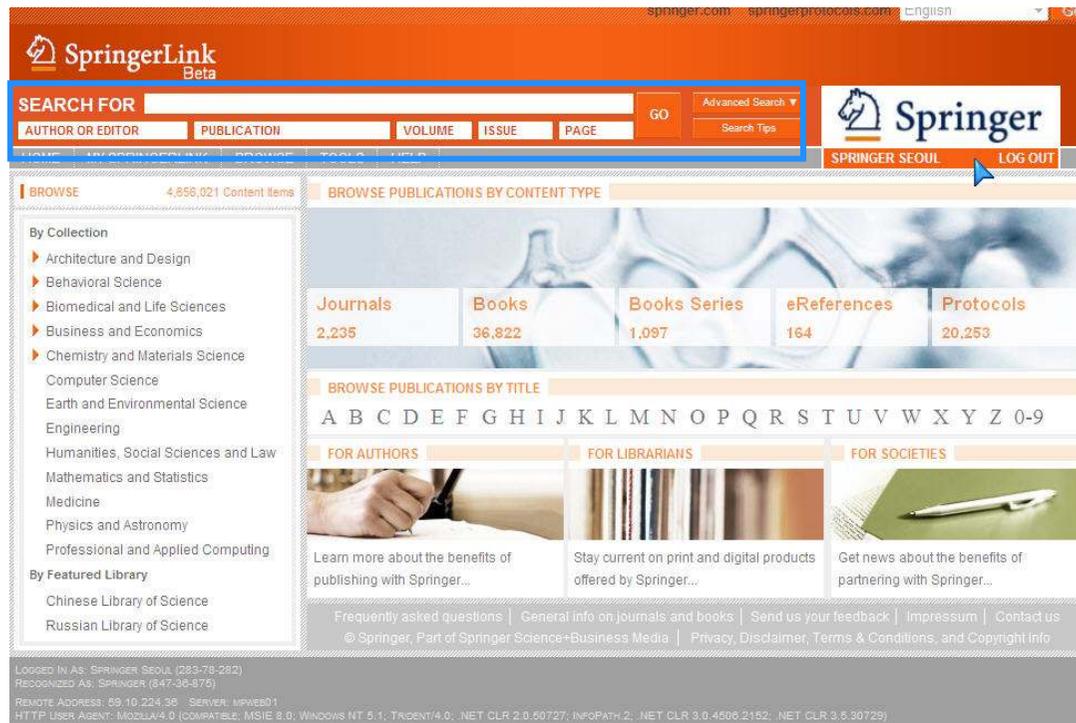
- 검색창에 키워드 입력
- 단순검색과 상세검색

로그인

- IP 자동인증 - 이용자가 SpringerLink에 접속하면 자동적으로 기관이용자로 로그인 됨
- ID / Password 접속 - 이용자는 원외에서 이용 가능
- 비 구독자는 guest 로그인 이 가능하며, 대부분의 색인/ 초록, TOC에 무료로 접근가능



- 필요한 콘텐츠를 정확하게 찾을 때 가장 쉽고 빠른 방법
- 구체적인 저자명/타이틀명/권호 및 페이지정보를 찾을 때
- 기본검색(Basic Search)과 고급검색(Advanced Search)



SpringerLink Beta

SEARCH FOR  GO Advanced Search Search Tips

AUTHOR OR EDITOR PUBLICATION VOLUME ISSUE PAGE

SPRINGER SEOUL LOG OUT

BROWSE 4,656,021 Content Items

BROWSE PUBLICATIONS BY CONTENT TYPE

Journals	Books	Books Series	eReferences	Protocols
2,235	36,822	1,097	164	20,253

BROWSE PUBLICATIONS BY TITLE

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

FOR AUTHORS FOR LIBRARIANS FOR SOCIETIES

LOGGED IN AS: SPRINGER SEOUL (283-78-282)  
RECOGNIZED AS: SPRINGER (847-36-878)  
REMOTE ADDRESS: 69.10.224.38 SERVER: HPWEB01  
HTTP USER AGENT: MOZILLA/4.0 (compatible; MSIE 9.0; WINDOWS NT 5.1; Trident/4.0; .NET CLR 2.0.50727; InfoPath 2; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

### • 기본검색(Basic Search)

- SpringerLink의 모든 컨텐츠의 Fulltext, 서지정보, 초록, 타이틀명 검색



SEARCH FOR

AUTHOR OR EDITOR PUBLICATION VOLUME ISSUE PAGE

GO Advanced Search Search Tips

### • 고급검색(Advanced Search)



ADVANCED SEARCH

Advanced Search Search Tips

CONTENT

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 AND END DATE

ORDER OF RESULTS

MOST RELEVANT FIRST

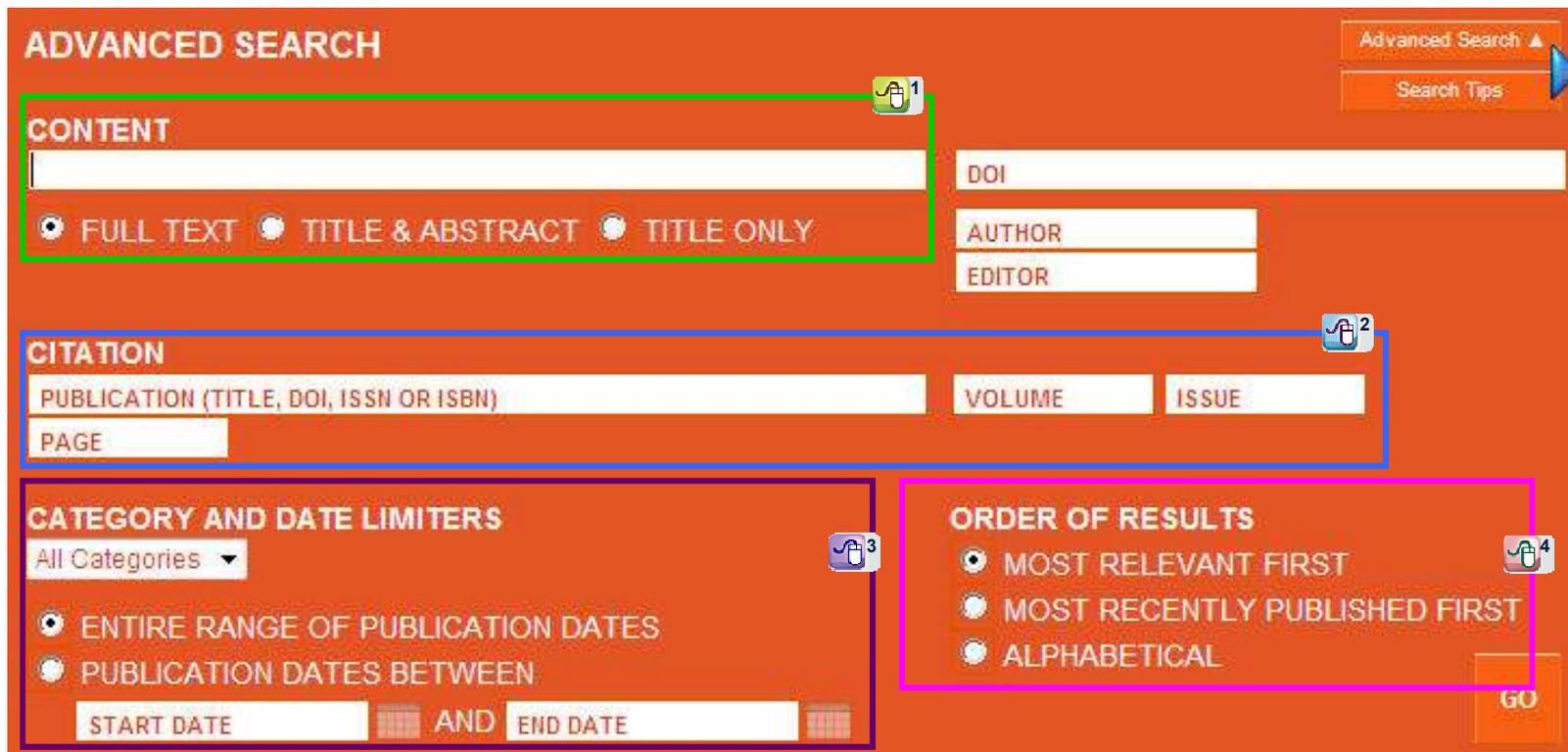
MOST RECENTLY PUBLISHED FIRST

ALPHABETICAL

GO

### • 고급검색(Advanced Search)

- 1 Fulltext/타이틀 및 초록/타이틀내에서만 해당 키워드 검색
- 2 타이틀 서지정보 및 권호, 페이지 정보만 검색
- 3 자료유형 및 출판기간 제한하여 검색
- 4 관련수순/최신순/알파벳순으로 검색결과 정렬 가능



**ADVANCED SEARCH**

Advanced Search ▲  
Search Tips

**CONTENT** 1

FULL TEXT  TITLE & ABSTRACT  TITLE ONLY

DOI

AUTHOR

EDITOR

**CITATION** 2

PUBLICATION (TITLE, DOI, ISSN OR ISBN)

VOLUME

ISSUE

PAGE

**CATEGORY AND DATE LIMITERS** 3

All Categories ▼

ENTIRE RANGE OF PUBLICATION DATES

PUBLICATION DATES BETWEEN

START DATE  AND  END DATE

**ORDER OF RESULTS** 4

MOST RELEVANT FIRST

MOST RECENTLY PUBLISHED FIRST

ALPHABETICAL

GO

## 2. Search(검색)

7

SEARCH FOR

GO

Advanced Search ▾

Search Tips

Search

Publications

검색건수

Search Within All Content

 GO

Filter These Results

Add criteria from below to refine these results

Collection

Earth and Environmental Sciences

모든 자료에 접근 가능

내용에 접근 하지 않음

▶ Copyright Year

▶ SpringerLink Date

▶ Author

▶ Content Type

▶ Language

키워드 : Climate change

Search results for all of the terms in 'climate change' with no filters

Viewing items 1 - 10 of 92,396

정렬순서 : 관련성, 날짜, 알파벳순

Sort by: Relevance ▾ Date Title

First Previous 1 2 3 4 5 Next



Journal Article

**Climate Observations - The Instrumental Record**

D.E. Parker, T.A. Basnett, S.J. Brown, M. Gordon and E.B. Horton, et al.  
*Space Science Reviews*, 2000, Volume 94, Numbers 1-2, Pages 309-320

 Download PDF (167.9 KB)

Highlighting

Summary



Journal Article

**Snapshots of the Future: Darfur, Katrina, and Maple Sugar (Climate Change, the Less Well-Off and Business Ethics)**

Abstract Climate change represents a significant challenge to the entire planet and its inhabitants...  
Edward J. Romar

*Journal of Business Ethics*, 2009, Volume 85, Supplement 1, Pages 121-132

 Download PDF (148.3 KB)

Show Summary



Journal Article

**Ozone risk for crops and pastures in present and future climates**

...as a result of both increasing emissions and positive effects of climate change on ozone formation and higher cumulative ozone.

## 2. Search(검색)

8

SEARCH FOR

AUTHOR OR EDITOR PUBLICATION VOLUME ISSUE PAGE

Advanced Search

Search

Publications

재검색

Search Within All Content

Filter These Results

Add criteria from below to refine these results

Collection

- Earth and Environmental Science (37,345)
- Biomedical and Life Sciences (25,608)
- Humanities, Social Sciences and Law (11,137)
- Business and Economics (4,161)

▶ Copyright Year

▶ SpringerLink Date

▶ Author

▶ Content Type

▶ Language

검색결과 제한 Filter

1. 주제
2. Copyright Year
3. SpringerLink Date
4. 저자명
5. 자료유형
6. 언어

Search results for all of the terms in 'climate change' with no filters

Viewing items 1 - 10 of 92,396

Sort by: Relevance Date Title

First Previous 1 2 3 4 5 Next

- Journal Article  
...and E. B. Horton, et al.  
...ers 1-2, Pages 309-320  
Show Summary
- Journal Article  
...nd Maple Sugar (Climate Change, the Less Well-Off and  
...nge to the entire planet and its inhabitants...  
...plement 1, Pages 121-132  
Show Summary
- Journal Article  
Ozone risk for crops and pastures in present and future climates  
...as a result of both increasing emissions and positive effects of climate change on ozone formation and higher cumulative ozone.

## 2. Search(검색)

9

SEARCH FOR

GO

Advanced Search ▾

Search Tips

Search

Publications

Keyword와 관련성 높은 출판물

Most Relevant Publications

 Journal  
Meteorology  
and  
Atmospheric  
Physics  
2,260  
Results

 Journal  
Theoretical  
and  
Applied  
Climatology  
1,859  
Results

 Journal  
Climatic  
Change

Viewing items 1 - 10 of 92,396

Sort by: Relevance ▾ Date Title

First Previous 1 2 3 4 5 Next

Journal Article

**Climate Observations - The Instrumental Record**

D. E. Parker, T. A. Basnett, S. J. Brown, M. Gordon and E. B. Horton, et al.

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Show Summary

Journal Article

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Show Summary

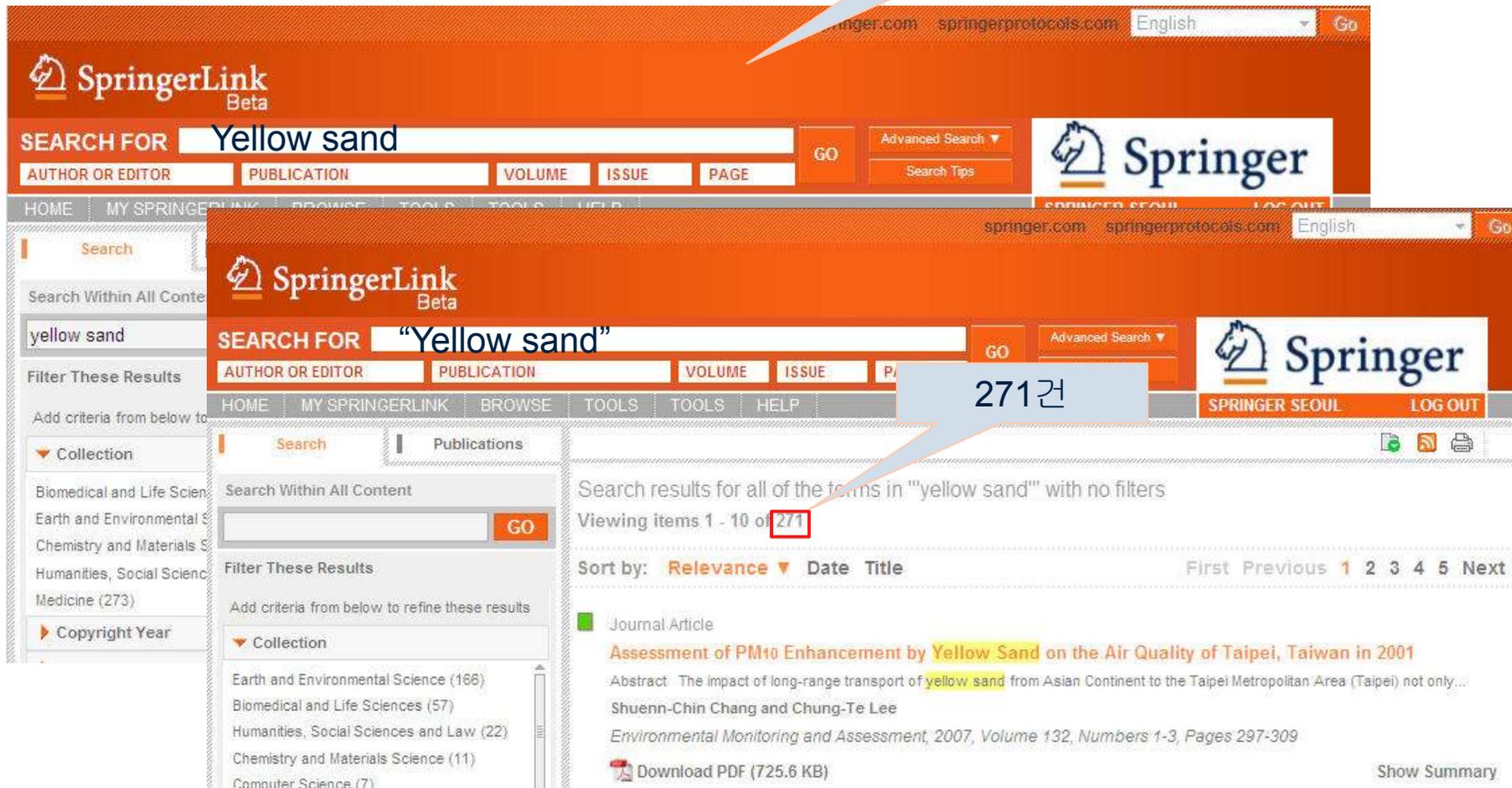
Journal Article

**Ozone risk for crops and pastures in present and future climates**

...as a result of both increasing emissions and positive effects of climate change on ozone formation and higher cumulative ozone

- 검색어와 정확히 일치하는 단어를 검색할 때
  - Quotation Marks(“ ”)
  - Yellow sand & “Yellow sand”

7,971건



The screenshot shows two browser windows of the SpringerLink website. The top window shows a search for "Yellow sand" resulting in 7,971 items. The bottom window shows a search for "“Yellow sand”" resulting in 271 items. The bottom window also displays a list of search results, including a journal article titled "Assessment of PM10 Enhancement by Yellow Sand on the Air Quality of Taipei, Taiwan in 2001" by Shuenn-Chin Chang and Chung-Te Lee, published in Environmental Monitoring and Assessment, 2007, Volume 132, Numbers 1-3, Pages 297-309. The article is available for download as a PDF (725.6 KB).

- 와일드카드(**Wildcard**) 필요 없음

- 일반 검색엔진에는 단순 키워드 매칭이므로 유사검색결과를 함께 출력하기 위해 와일드카드, Asterisk(\*)를 필요

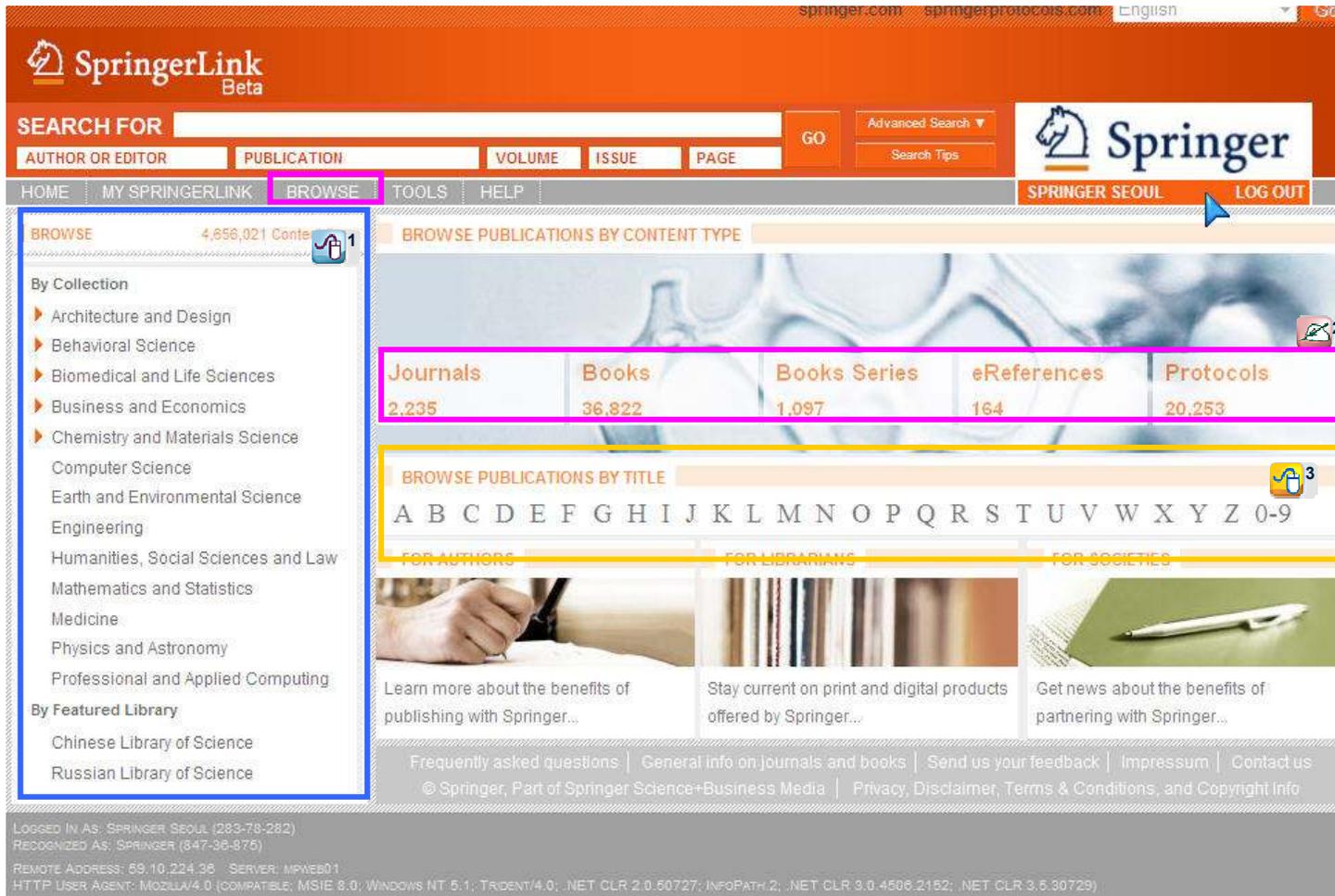
예) controllability, controlling, controlled, etc 와 같은 검색결과를 모두 도출하기 위해 검색창에 **control\***와 같이 입력

- SpringerLink는 Semantic 관련어 기반 검색이므로 와일드카드 사용불필요  
예) 검색창에 control만 입력하면 키워드와 관련있는 검색결과를 연관 검색하여 출력

- 불리언 검색(**Boolean search operators**) 가능  
Hypothalamus **AND** Brain  
Hypothalamus **AND** Brain **NOT** Insulin  
Insulin **NOT** Diabetes  
Hypothalamus **OR** Brain  
Diabetes **AND** Brain **OR** Cortex
- **Chemical Symbols** 검색시 : 원소기호에 **Quotation marks**  
예) “Ti”, “Zn”, “H2O”, etc.
- 간단한 **Mathematical equations**도 **Quotation marks** 검색

### 3. Browsing(브라우징)

- 구체적으로 알고 있는 정보를 찾는 것이 아닐 때
- 특정주제, 자료유형, 알파벳 순으로 점차적으로 접근할 때

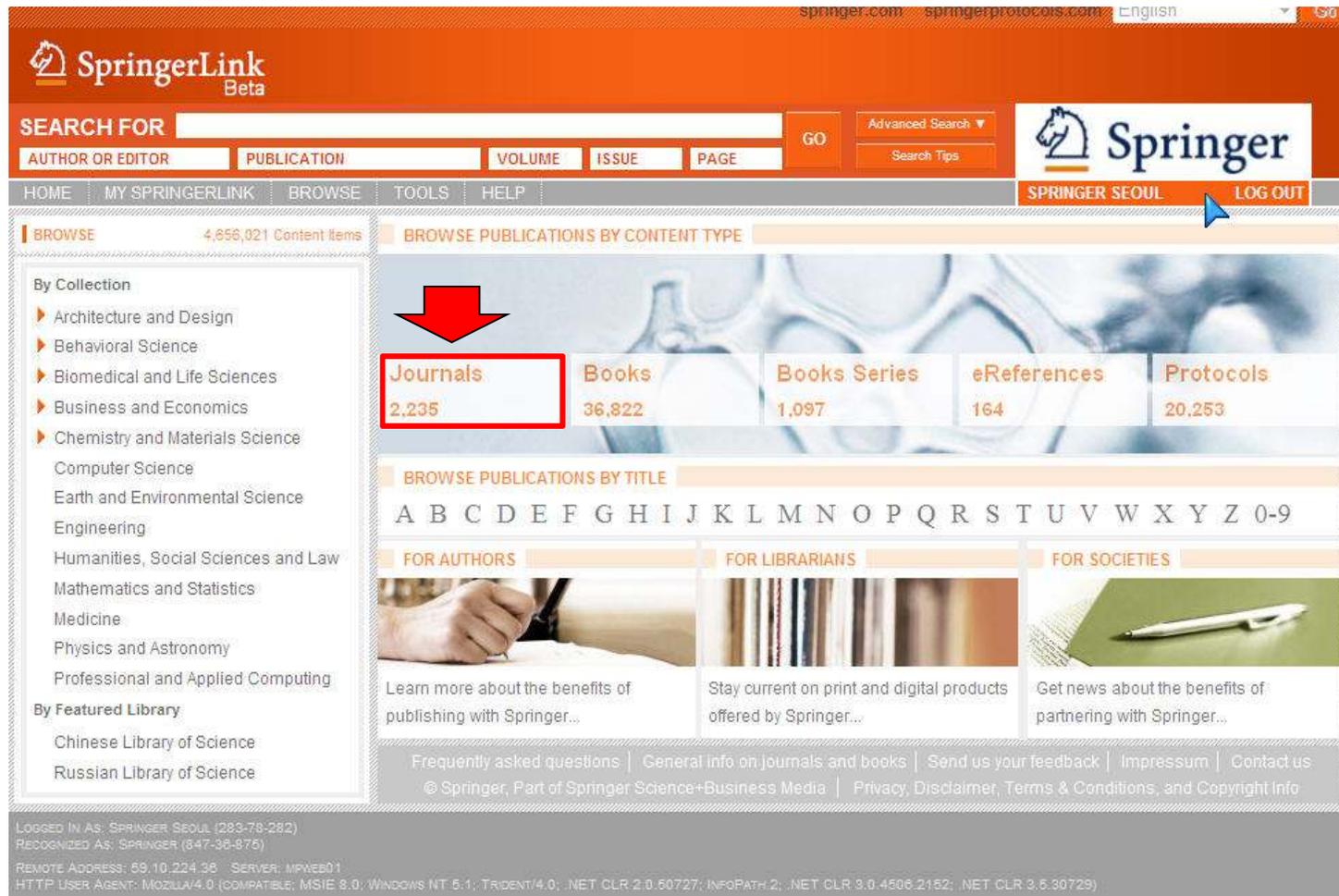


Journals	Books	Books Series	eReferences	Protocols
2,235	36,822	1,097	164	20,253

- 1 주제별
- 2 자료유형별
- 3 알파벳별

### 3. Browsing(브라우징)

예시: 자료유형을 저널로 제한



SpringerLink Beta

SEARCH FOR  GO Advanced Search Search Tips

AUTHOR OR EDITOR PUBLICATION VOLUME ISSUE PAGE

HOME MY SPRINGERLINK BROWSE TOOLS HELP SPRINGER SEOUL LOG OUT

BROWSE 4,656,021 Content Items

BROWSE PUBLICATIONS BY CONTENT TYPE

<b>Journals</b> 2,235	<b>Books</b> 36,822	<b>Books Series</b> 1,097	<b>eReferences</b> 164	<b>Protocols</b> 20,253
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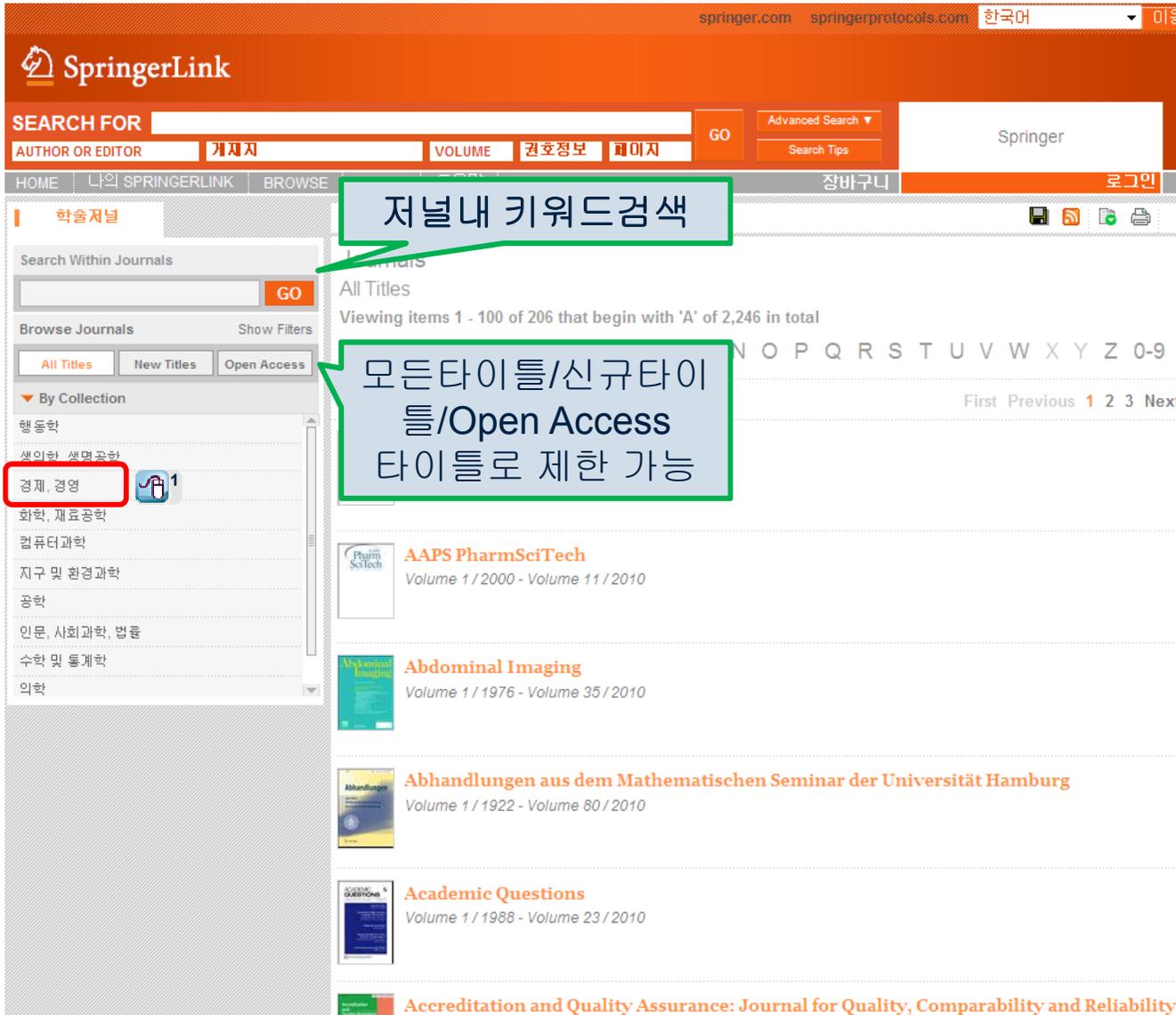
BROWSE PUBLICATIONS BY TITLE  
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

FOR AUTHORS FOR LIBRARIANS FOR SOCIETIES

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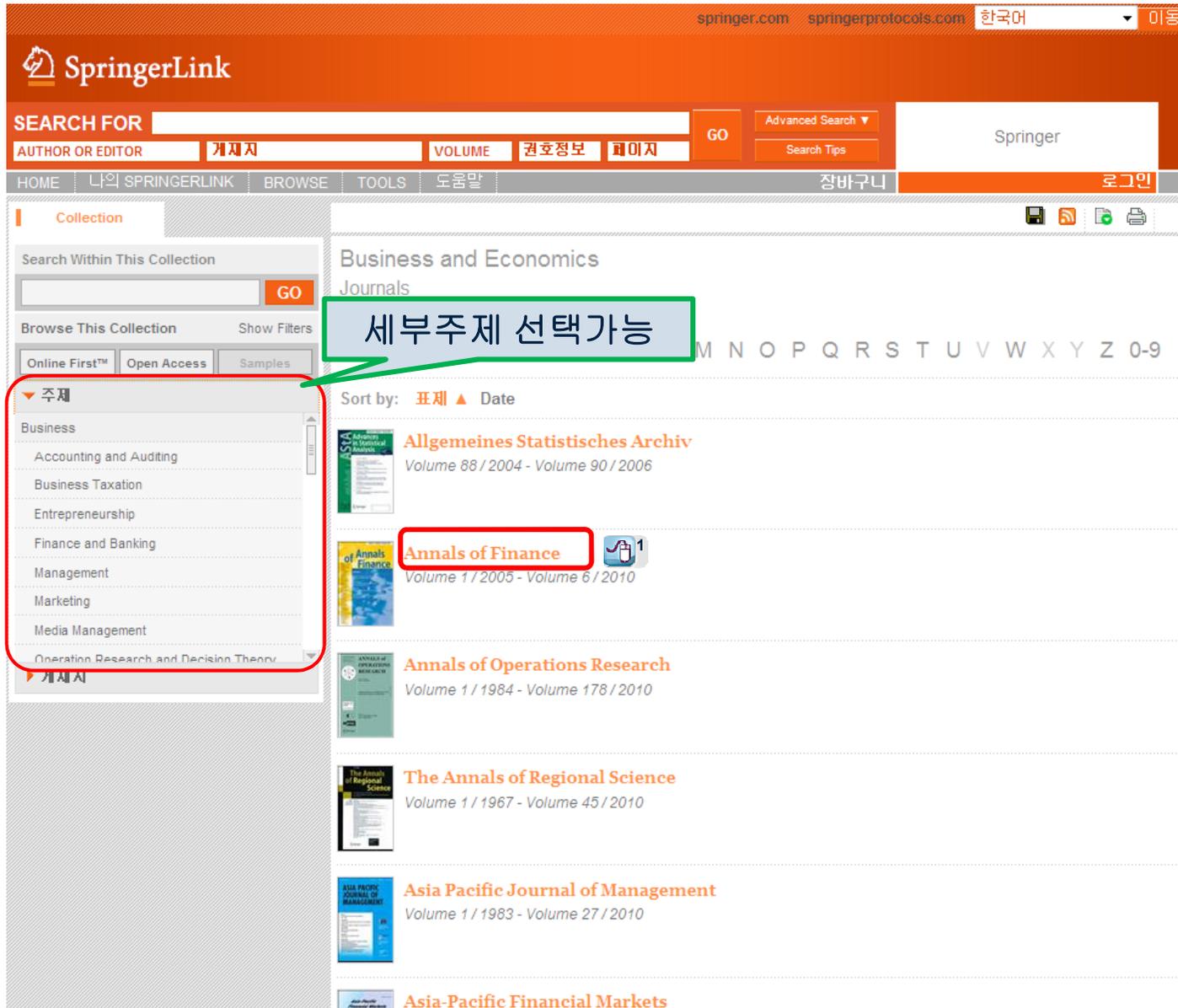
Logged In As: SPRINGER SEOUL (283-78-282)  
RECOGNIZED AS: SPRINGER (847-36-876)  
REMOTE ADDRESS: 69.10.224.38 SERVER: MPWEB01  
HTTP USER AGENT: MOZILLA/4.0 (COMPATIBLE; MSIE 8.0; WINDOWS NT:5.1; TRIDENT/4.0; .NET CLR 2.0.60727; INFOPATH.2; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)



The screenshot shows the SpringerLink interface. At the top, there's a search bar with 'SEARCH FOR' and a 'GO' button. Below it, there are tabs for 'AUTHOR OR EDITOR', '게재지', 'VOLUME', '권호정보', and '페이지'. The '게재지' (Browse Journals) tab is selected. On the left, there's a 'Browse Journals' sidebar with a 'Show Filters' button. Under 'By Collection', the '경제, 경영' (Economics, Business) category is highlighted with a red box and a lock icon labeled '1'. A green callout box points to the search bar with the text '저널내 키워드검색' (Keyword search within journals). Another green callout box points to the 'All Titles', 'New Titles', and 'Open Access' buttons with the text '모든타이틀/신규타이틀/Open Access 타이틀로 제한 가능' (Limitable by all titles/new titles/Open Access titles). The main content area shows a list of journals starting with 'A', including 'AAPS PharmSciTech', 'Abdominal Imaging', 'Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg', 'Academic Questions', and 'Accreditation and Quality Assurance: Journal for Quality, Comparability and Reliability'. A blue callout box with a lock icon and '1' is labeled '주제 선택' (Topic selection).

1 주제 선택

### 3. Browsing(브라우징)



SpringerLink

SEARCH FOR   Advanced Search Search Tips

AUTHOR OR EDITOR **게재지** VOLUME 권호정보 **페이지**

HOME 나의 SPRINGERLINK BROWSE TOOLS 도움말 장바구니 로그인

Collection

Search Within This Collection

Browse This Collection Show Filters

Online First™ Open Access Samples

▼ 주제

- Business
  - Accounting and Auditing
  - Business Taxation
  - Entrepreneurship
  - Finance and Banking
  - Management
  - Marketing
  - Media Management
  - Operation Research and Decision Theory
- 게재지

세부주제 선택가능

M N O P Q R S T U V W X Y Z 0-9

Sort by: 표제 ▲ Date

**Allgemeines Statistisches Archiv**  
Volume 88 / 2004 - Volume 90 / 2006

**Annals of Finance**   
Volume 1 / 2005 - Volume 6 / 2010

**Annals of Operations Research**  
Volume 1 / 1984 - Volume 178 / 2010

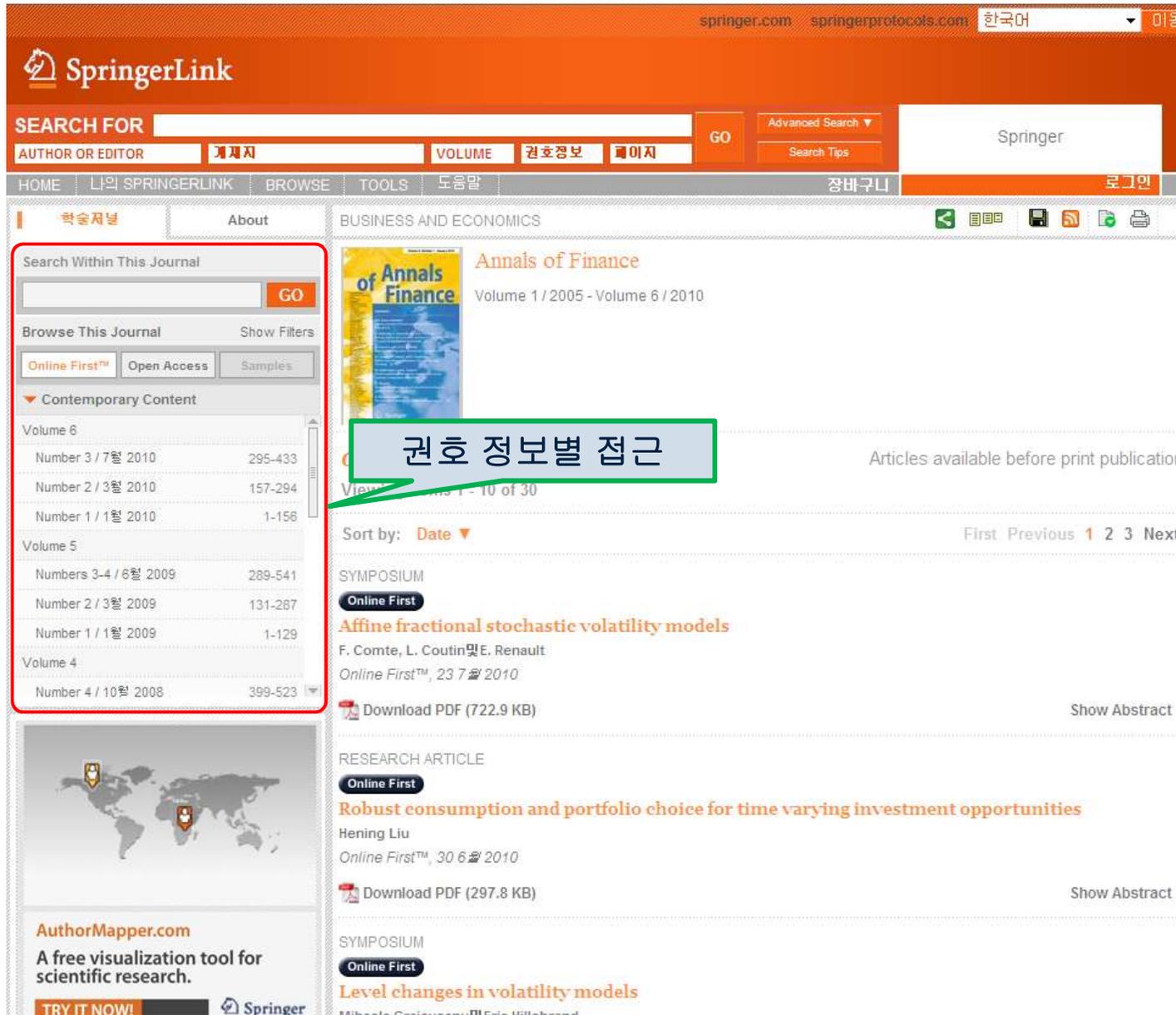
**The Annals of Regional Science**  
Volume 1 / 1967 - Volume 45 / 2010

**Asia Pacific Journal of Management**  
Volume 1 / 1983 - Volume 27 / 2010

**Asia-Pacific Financial Markets**

 타이틀 선택

### 3. Browsing(브라우징)



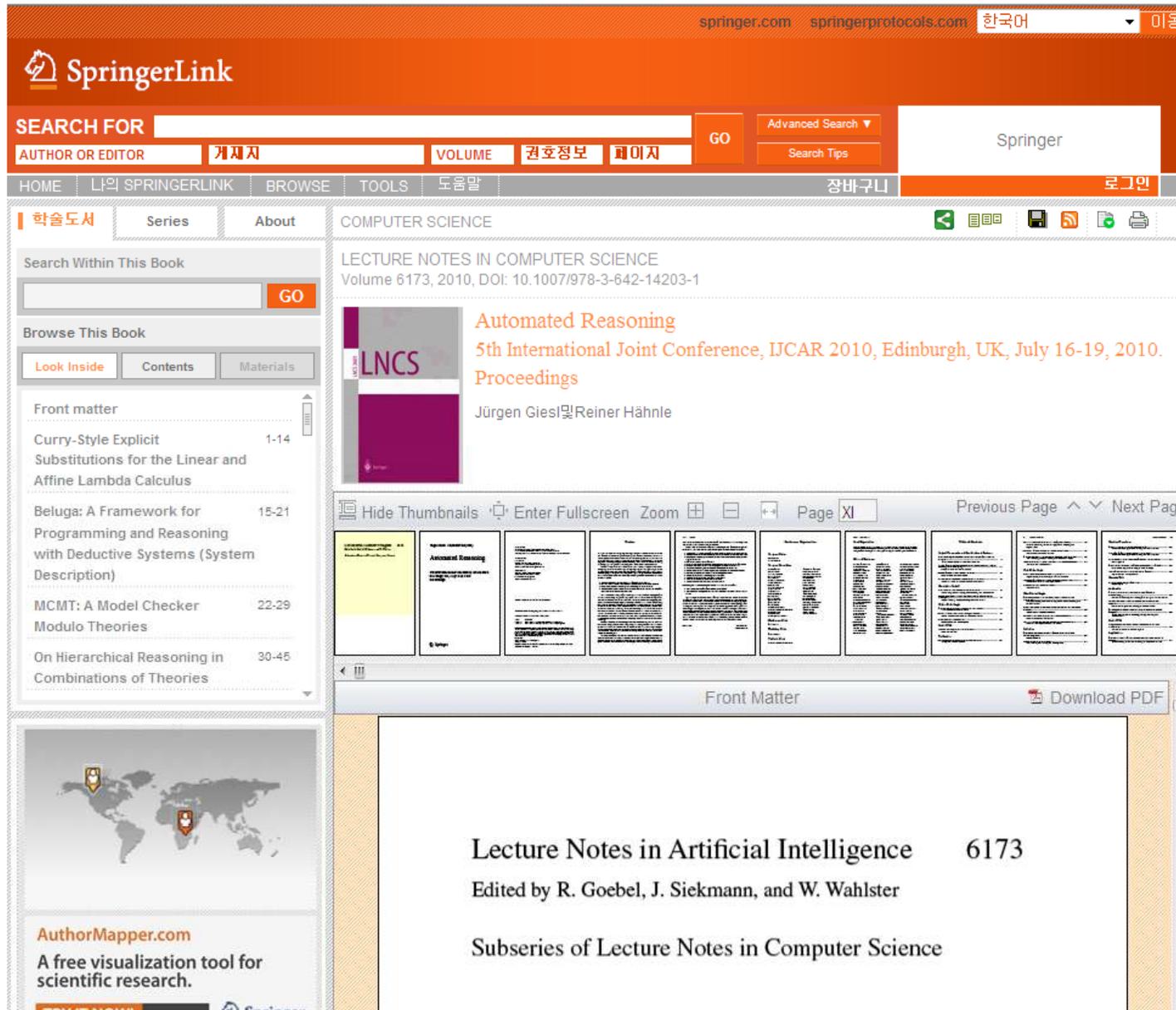
The screenshot shows the SpringerLink interface. At the top, there are navigation links for 'HOME', '나의 SPRINGERLINK', 'BROWSE', 'TOOLS', '도움말', '장바구니', and '로그인'. A search bar is prominently displayed with the text 'SEARCH FOR' and a 'GO' button. Below the search bar, there are tabs for 'AUTHOR OR EDITOR', '계재지', 'VOLUME', '권호정보', and '페이지'. The main content area is divided into several sections:

- Search Within This Journal:** A search box with a 'GO' button.
- Browse This Journal:** Includes 'Show Filters' and buttons for 'Online First™', 'Open Access', and 'Samples'.
- Contemporary Content:** A list of journal volumes and issues with their respective page counts.

Volume	Issue	Page Range
Volume 6	Number 3 / 7월 2010	295-433
	Number 2 / 3월 2010	157-294
	Number 1 / 1월 2010	1-156
Volume 5	Numbers 3-4 / 6월 2009	289-541
	Number 2 / 3월 2009	131-287
	Number 1 / 1월 2009	1-129
Volume 4	Number 4 / 10월 2008	399-523
- Journal Details:** For 'Annals of Finance', it shows 'Volume 1 / 2005 - Volume 6 / 2010' and a list of articles. A green box highlights the text '권호 정보별 접근' (Access by issue information) with an arrow pointing to the volume/issue information.
- Article Details:** Two articles are shown, both marked as 'Online First'. The first is 'Affine fractional stochastic volatility models' by F. Comte, L. Coutin, and E. Renault, published Online First™ on 23 7 2010. The second is 'Robust consumption and portfolio choice for time varying investment opportunities' by Hening Liu, published Online First™ on 30 6 2010. Each article has a 'Download PDF' button and a 'Show Abstract' link.

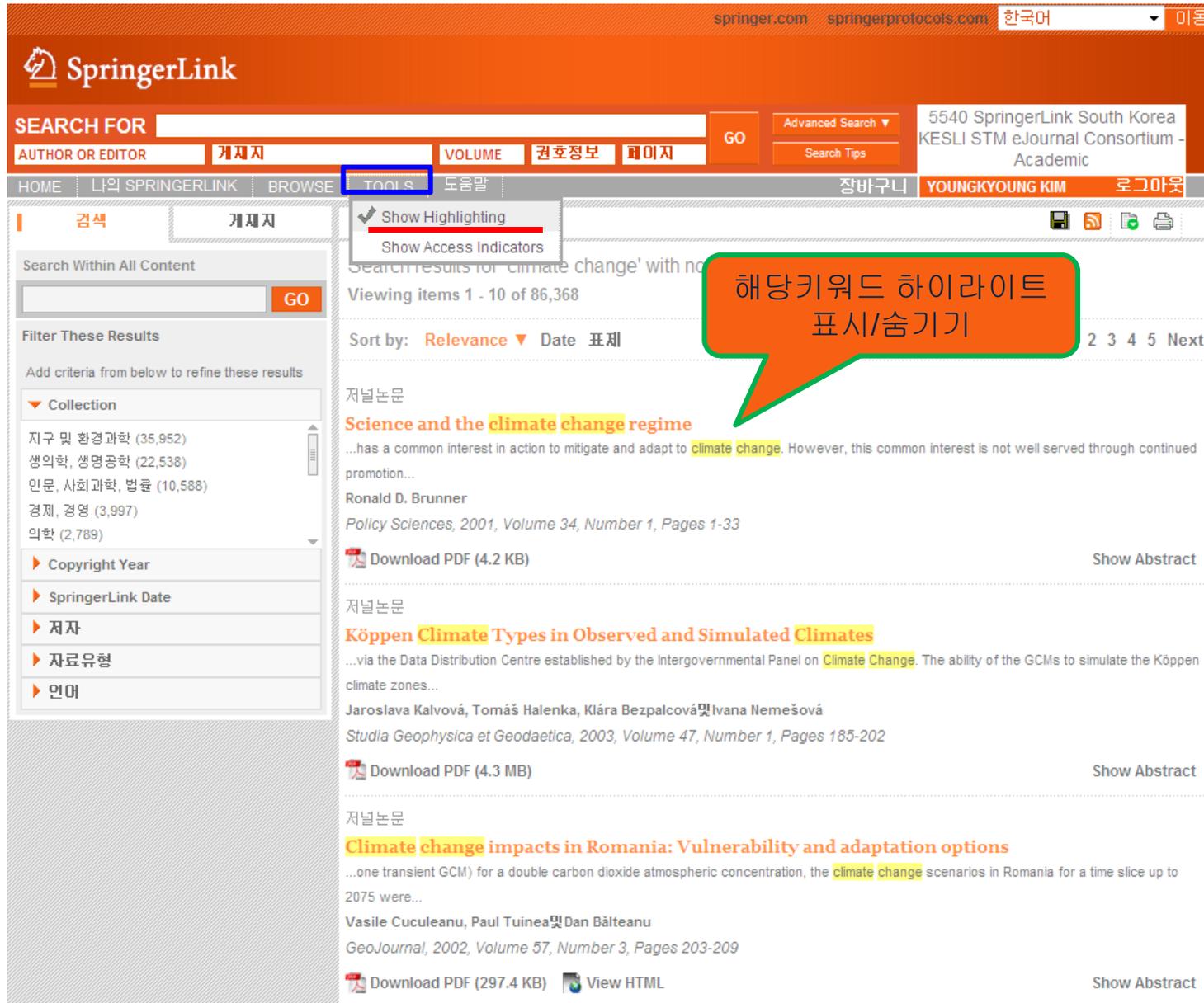
At the bottom left, there is an advertisement for 'AuthorMapper.com' with the text 'A free visualization tool for scientific research.' and a 'TRY IT NOW!' button. The Springer logo is visible in the bottom right corner.

### 3. Browsing(브라우징)



The screenshot shows the SpringerLink website interface. At the top, there are navigation links for 'HOME', '나의 SPRINGERLINK', 'BROWSE', 'TOOLS', '도움말', '장바구니', and '로그인'. A search bar is prominently displayed with the text 'SEARCH FOR' and a 'GO' button. Below the search bar, there are tabs for '학술도서', 'Series', and 'About'. The main content area displays the title 'Automated Reasoning' and its subtitle '5th International Joint Conference, IJCAR 2010, Edinburgh, UK, July 16-19, 2010. Proceedings'. The authors listed are Jürgen Giesl and Reiner Hähnle. A table of contents is visible, listing chapters such as 'Curry-Style Explicit Substitutions for the Linear and Affine Lambda Calculus' and 'Beluga: A Framework for Programming and Reasoning with Deductive Systems (System Description)'. The page number 'XI' is shown in the navigation bar. At the bottom, the text 'Lecture Notes in Artificial Intelligence 6173' and 'Edited by R. Goebel, J. Siekmann, and W. Wahlster' is displayed. A 'Download PDF' button is also present.

# 4. Highlighting 표시/숨기기 기능

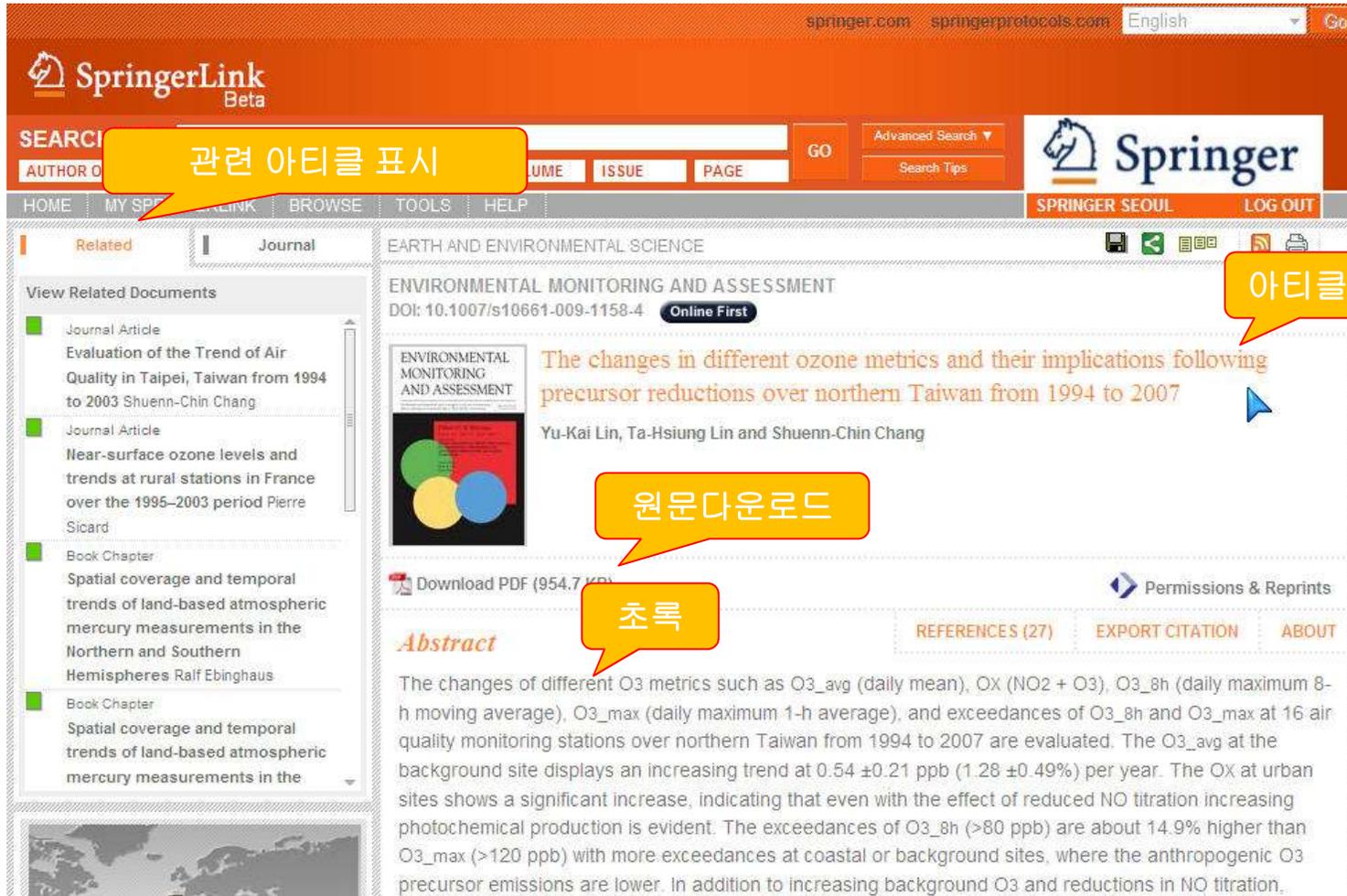


The screenshot shows the SpringerLink search interface. At the top, there are navigation links for 'springer.com' and 'springerprotocols.com', a language dropdown set to '한국어', and a '이동' button. The main header features the SpringerLink logo and a search bar with 'SEARCH FOR' and a 'GO' button. Below the search bar, there are tabs for 'AUTHOR OR EDITOR', '게재지', 'VOLUME', '권호정보', and '페이지'. A dropdown menu is open under 'Tools', showing 'Show Highlighting' (checked) and 'Show Access Indicators'. A callout box with a green border and orange background contains the text '해당키워드 하이라이트 표시/숨기기'. The search results are displayed in a list format, showing the title, abstract, author, and publication information for three articles. The first article is 'Science and the climate change regime' by Ronald D. Brunner. The second is 'Köppen Climate Types in Observed and Simulated Climates' by Jaroslava Kalvová, Tomáš Halenka, Klára Bezpalcová, and Ivana Nemešová. The third is 'Climate change impacts in Romania: Vulnerability and adaptation options' by Vasile Cuculeanu, Paul Tuinea, and Dan Bâlțeanu. Each article entry includes a 'Download PDF' button and a 'Show Abstract' button.

The screenshot shows the SpringerLink search results page. At the top, there's a search bar with '585998 KESLI Consortium (inactive)' and a 'GO' button. Below the search bar, there are navigation tabs: HOME, 나의 SPRINGERLINK, BROWSE, TOOLS, 도움말. The 'TOOLS' tab is highlighted, and a dropdown menu is open showing 'Show Highlighting' and 'Show Access Indicators' (both checked). A red box highlights the 'Show Access Indicators' option, and a tooltip points to it with the text 'Enable Access Indicators'.

The search results are for 'climate change' with no filters. The first result is 'Science and the climate change regime' by Ronald D. Brunner. The second result is 'Köppen Climate Types in Observed and Simulated Climates' by Jaroslav Jemelka and Jitka Jemelková. The third result is 'Climate change impacts in Romania: Vulnerability and adaptation options' by Vasile Cuculeanu, Paul Tuinea, and Dan Bălăceanu.

A yellow callout box with a red border contains two items: a green square icon with the text '모든 자료에 접근 가능' (Access to all materials) and a white square icon with the text '내용에 접근 하지 않음' (No access to content). A red arrow points from the callout box to the 'Show Access Indicators' checkbox in the top navigation menu.



The screenshot shows a Springer article page with several annotations in yellow callout boxes:

- 관련 아티클 표시** (Related Article Display): Points to the 'View Related Documents' sidebar on the left.
- 아티클명** (Article Title): Points to the article title 'The changes in different ozone metrics and their implications following precursor reductions over northern Taiwan from 1994 to 2007'.
- 원문다운로드** (Full Text Download): Points to the 'Download PDF (954.7 KB)' button.
- 초록** (Abstract): Points to the 'Abstract' section.

The article title is: **The changes in different ozone metrics and their implications following precursor reductions over northern Taiwan from 1994 to 2007**

The authors are: Yu-Kai Lin, Ta-Hsiung Lin and Shuenn-Chin Chang

The abstract text is: *The changes of different O<sub>3</sub> metrics such as O<sub>3</sub>\_avg (daily mean), O<sub>x</sub> (NO<sub>2</sub> + O<sub>3</sub>), O<sub>3</sub>\_8h (daily maximum 8-h moving average), O<sub>3</sub>\_max (daily maximum 1-h average), and exceedances of O<sub>3</sub>\_8h and O<sub>3</sub>\_max at 16 air quality monitoring stations over northern Taiwan from 1994 to 2007 are evaluated. The O<sub>3</sub>\_avg at the background site displays an increasing trend at 0.54 ± 0.21 ppb (1.28 ± 0.49%) per year. The O<sub>x</sub> at urban sites shows a significant increase, indicating that even with the effect of reduced NO titration increasing photochemical production is evident. The exceedances of O<sub>3</sub>\_8h (>80 ppb) are about 14.9% higher than O<sub>3</sub>\_max (>120 ppb) with more exceedances at coastal or background sites, where the anthropogenic O<sub>3</sub> precursor emissions are lower. In addition to increasing background O<sub>3</sub> and reductions in NO titration,*



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**The changes in different ozone metrics and their implications following precursor reductions over northern Taiwan from 1994 to 2007**

Yu-Kai Lin · Ta-Hsiung Lin · Shuenn-Chin Chang

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**Abstract** The changes of different O<sub>3</sub> metrics such as O<sub>3,avg</sub> (daily mean), O<sub>3</sub> (NO<sub>2</sub> + O<sub>3</sub>), O<sub>3,1h</sub> (daily maximum 1-h moving average), O<sub>3,24h</sub> (daily maximum 24-h average), and exceedances of O<sub>3,1h</sub> and O<sub>3,24h</sub> at 16 air quality monitoring stations over northern Taiwan from 1994 to 2007 are evaluated. The O<sub>3,1h</sub> at the background site displays an increasing trend at 0.54±0.21 ppb (1.28±0.49%) per year. The O<sub>3</sub> at urban sites shows a significant increase, indicating that even with the effect of reduced NO titration increasing photochemical production is evident. The exceedances of O<sub>3,1h</sub> (>80 ppb) are about 14.9% higher than O<sub>3,24h</sub> (>120 ppb) at coastal or background sites. The anthropogenic O<sub>3</sub> is lower. In addition to increasing NO titration and reductions in NO titration efficiency also play a role in the increase of moderate to high O<sub>3</sub>. The findings help explain the exceedances and levels of O<sub>3</sub> and are likewise important in developing control strategies.

**Keywords** NO titration effect · Ozone · Exceedance · Ozone

**Introduction**  
Ozone (O<sub>3</sub>) is a secondary pollutant formed by the photochemical reaction of volatile organic compounds and nitrogen oxides. At high levels, ozone's potential effects on human health, vegetation, and some materials are of concern. Nevertheless, the concentration of ambient O<sub>3</sub> is not a local photochemical problem. It is a regional or global problem, and its concentration depends on many factors. In July 1997, based on evidence linking O<sub>3</sub> exposure

Y.-K. Lin · S.-C. Chang  
Environmental Protection Administration,  
Taipei, Taiwan, Republic of China

Y.-K. Lin  
Institute of Environmental Health, National Taiwan  
University College of Public Health, Taipei, Taiwan,  
Republic of China

T.-H. Lin  
Department and Graduate School of Environmental  
Resources Management, Transworld Institute of  
Technology, Douliu, Taiwan, Republic of China

S.-C. Chang (✉)  
National Defense Medical Center,  
School of Public Health, Taipei,  
Taiwan, Republic of China  
e-mail: sc3824@gmail.com

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Authors	Yu-Kai Lin <sup>(1 and 2)</sup> Ta-Hsiung Lin <sup>(3)</sup> Shuenn-Chin Chang <sup>(1 and 4)</sup> ✉ sc3824@gmail.com
Author Affiliations	1. Environmental Protection Administration Taipei Taiwan Republic of China 2. National Taiwan University College of Public Health Institute of Environmental Health Taipei Taiwan Republic of China 3. Transworld Institute of Technology Department and Graduate School of Environmental Resources Management Douliu Taiwan Republic of China 4. School of Public Health National Defense Medical Center Taipei Taiwan Republic of China

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