



Springer

science+business media

New SpringerLink...

Searching on SpringerLink



springer.com springerpro

SpringerLink

SEARCH FOR ALL CONTENT

GO

Advanced Search

Search Tips

AUTHOR PUBLICATION TITLE VOLUME ISSUE PAGE

HOME MY SPRINGERLINK BROWSE TOOLS HELP

BROWSE 4,479,079 Content Items

BROWSE PUBLICATIONS BY CONTENT TYPE

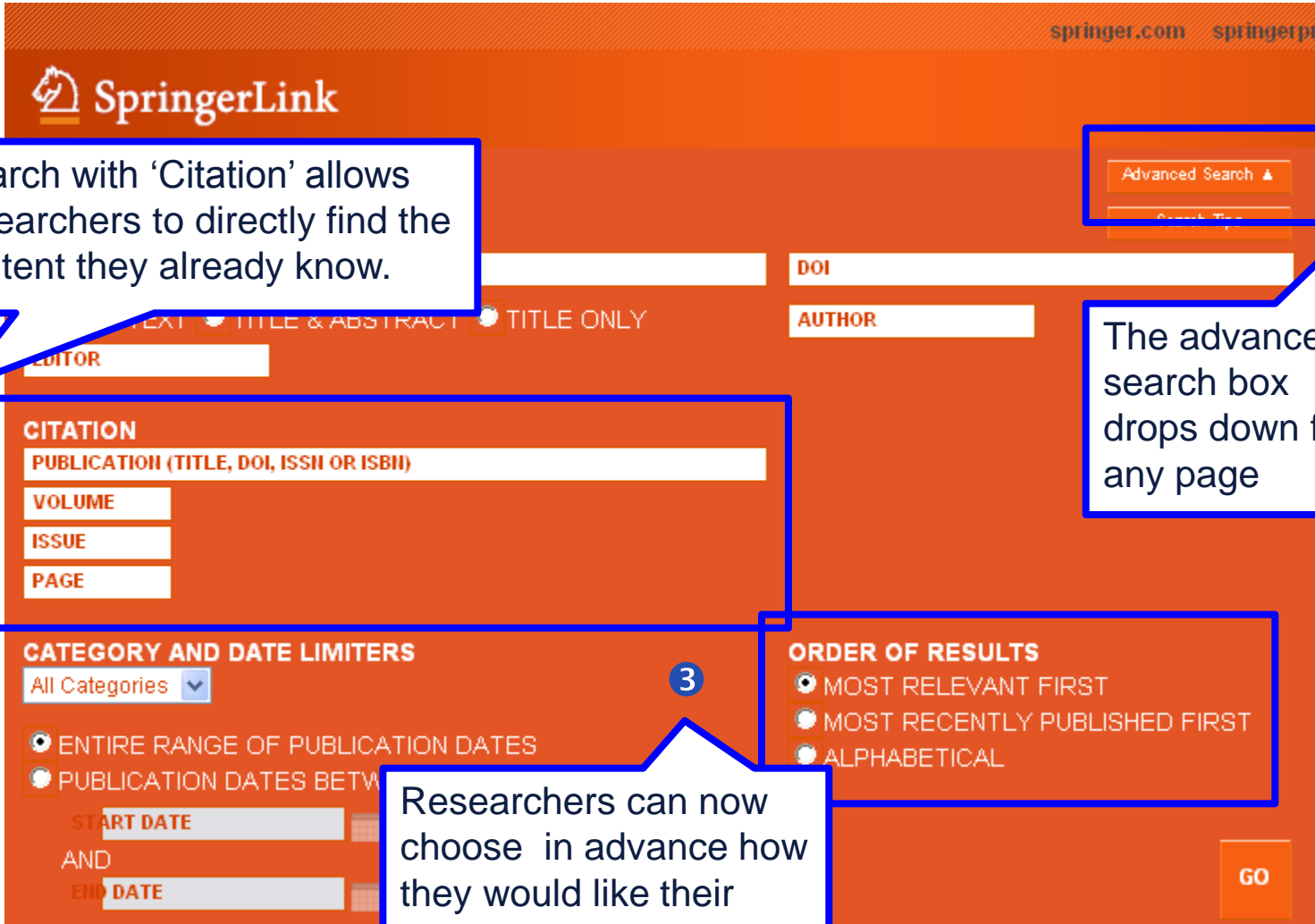
Subject Collection

- ▶ Architecture and Design
- ▶ Behavioral Science
- ▶ Biomedical and Life Sciences
- ▶ Business and Economics
- ▶ Chemistry and Materials Science

Journals	Books	Book Series	eRef
2,107	32,857	1,038	148

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

Searching on SpringerLink | Advanced Search



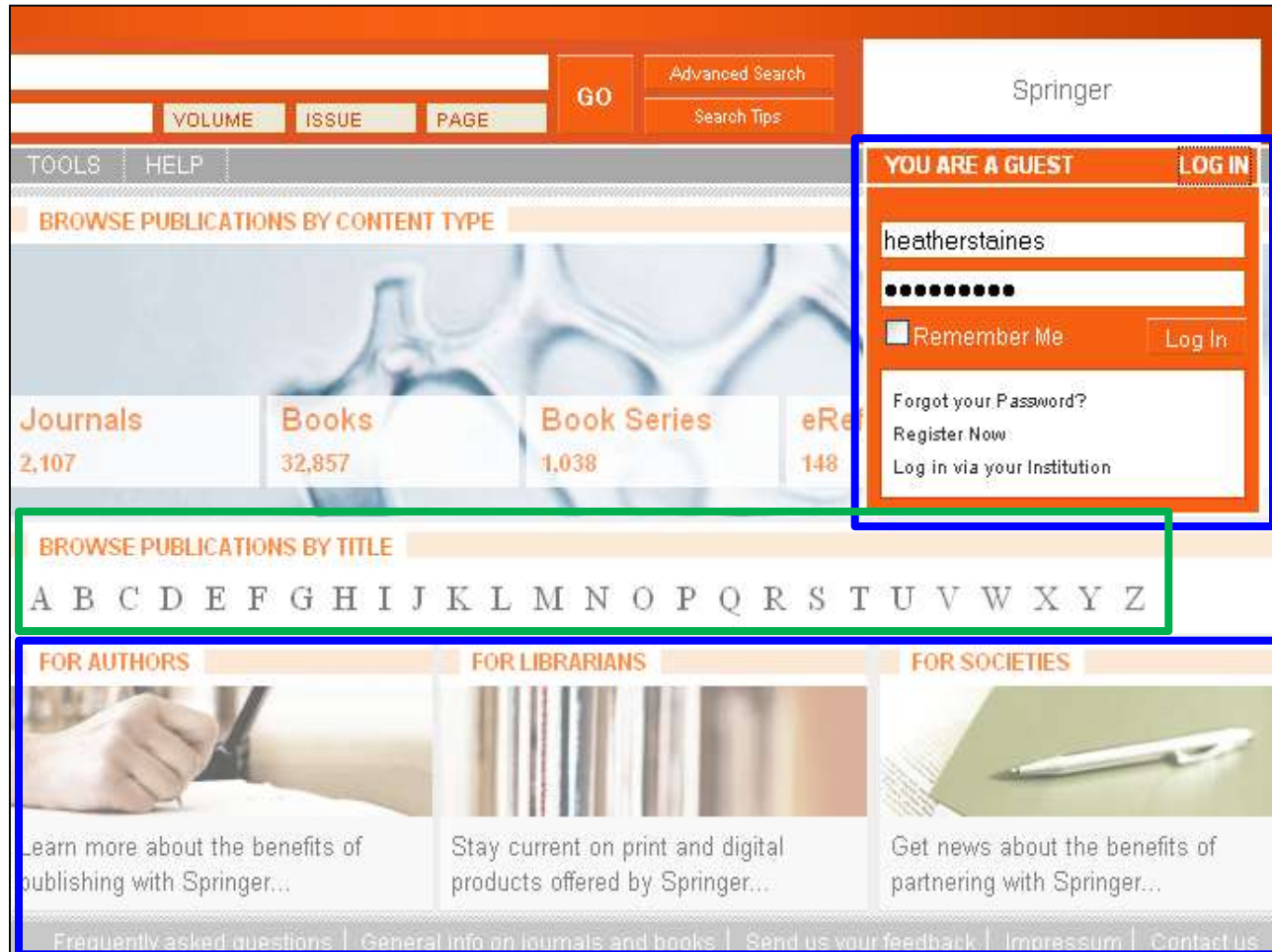
Search with 'Citation' allows researchers to directly find the content they already know.

The advanced search box drops down from any page

Researchers can now choose in advance how they would like their results to be ordered.

The screenshot shows the SpringerLink Advanced Search interface. At the top right, there is a search bar with a dropdown menu labeled 'Advanced Search' (1). Below the search bar, there are several input fields for search criteria: 'DOI', 'AUTHOR', 'EDITOR', 'TITLE & ABSTRACT', and 'TITLE ONLY'. A callout (2) points to the 'CITATION' section, which includes fields for 'PUBLICATION (TITLE, DOI, ISSN OR ISBN)', 'VOLUME', 'ISSUE', and 'PAGE'. Below these fields, there is a section for 'CATEGORY AND DATE LIMITERS' with a dropdown menu for 'All Categories' and radio buttons for 'ENTIRE RANGE OF PUBLICATION DATES' and 'PUBLICATION DATES BETWEEN'. A callout (3) points to the 'ORDER OF RESULTS' section, which has radio buttons for 'MOST RELEVANT FIRST', 'MOST RECENTLY PUBLISHED FIRST', and 'ALPHABETICAL'. At the bottom right, there is a 'GO' button.

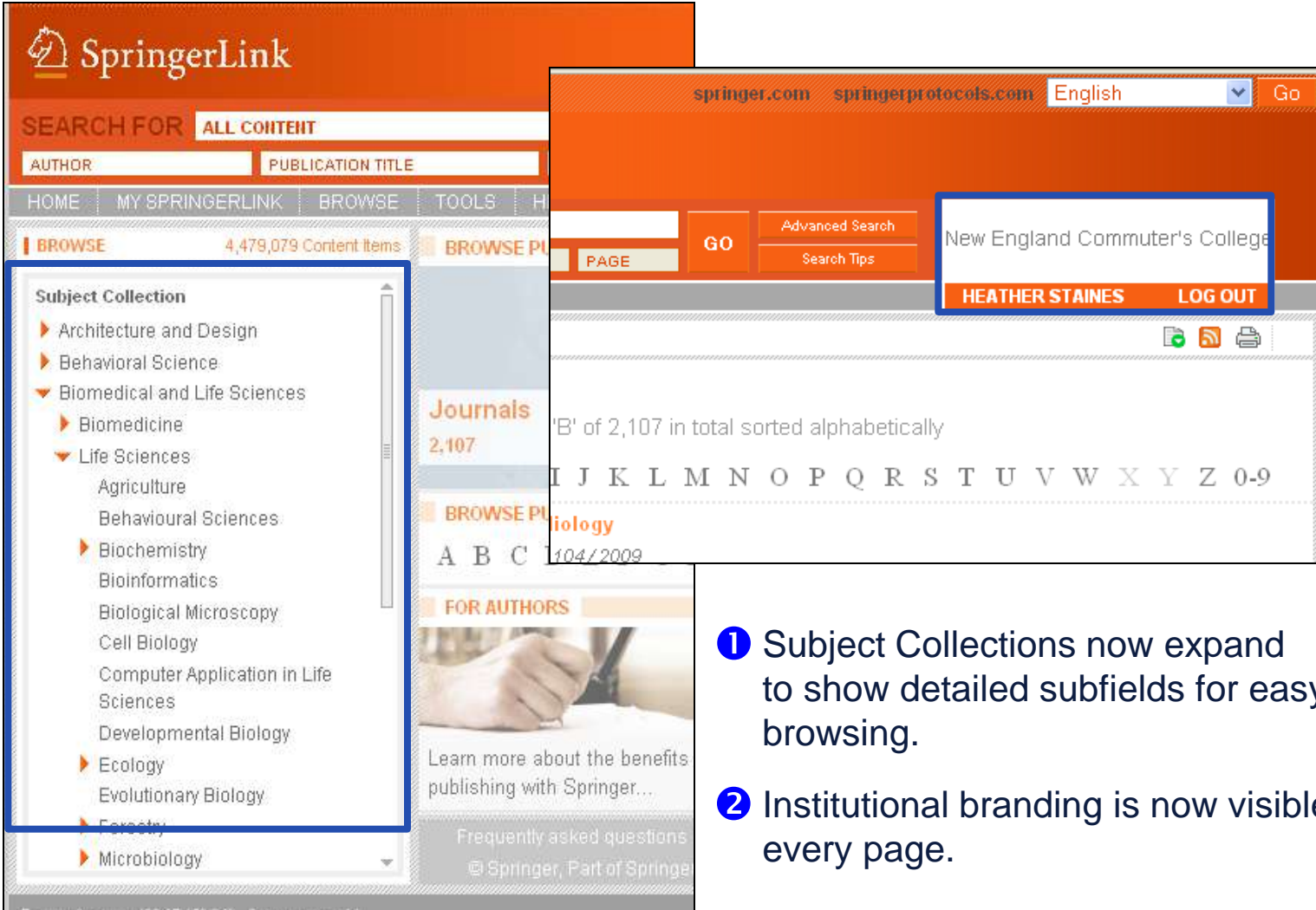
The Home Page



The screenshot shows the SpringerLink home page interface. At the top, there is a search bar with a 'GO' button and links for 'Advanced Search' and 'Search Tips'. Below the search bar are navigation links for 'VOLUME', 'ISSUE', and 'PAGE'. A 'TOOLS' and 'HELP' menu is also visible. The main content area is divided into sections: 'BROWSE PUBLICATIONS BY CONTENT TYPE' with a grid of categories (Journals: 2,107; Books: 32,857; Book Series: 1,038; eReferences: 148) and 'BROWSE PUBLICATIONS BY TITLE' with an A-Z list. At the bottom, there are three columns for 'FOR AUTHORS', 'FOR LIBRARIANS', and 'FOR SOCIETIES', each with a brief description and a call to action. A footer contains links for 'Frequently asked questions', 'General info on journals and books', 'Send us your feedback', 'Impressum', and 'Contact us'.

- ① Login box available from every page. No need to return to home page to login.
- ② New A-Z List reduces the need for scrolling.
- ③ Easy access to services on springer.com.

The Home Page

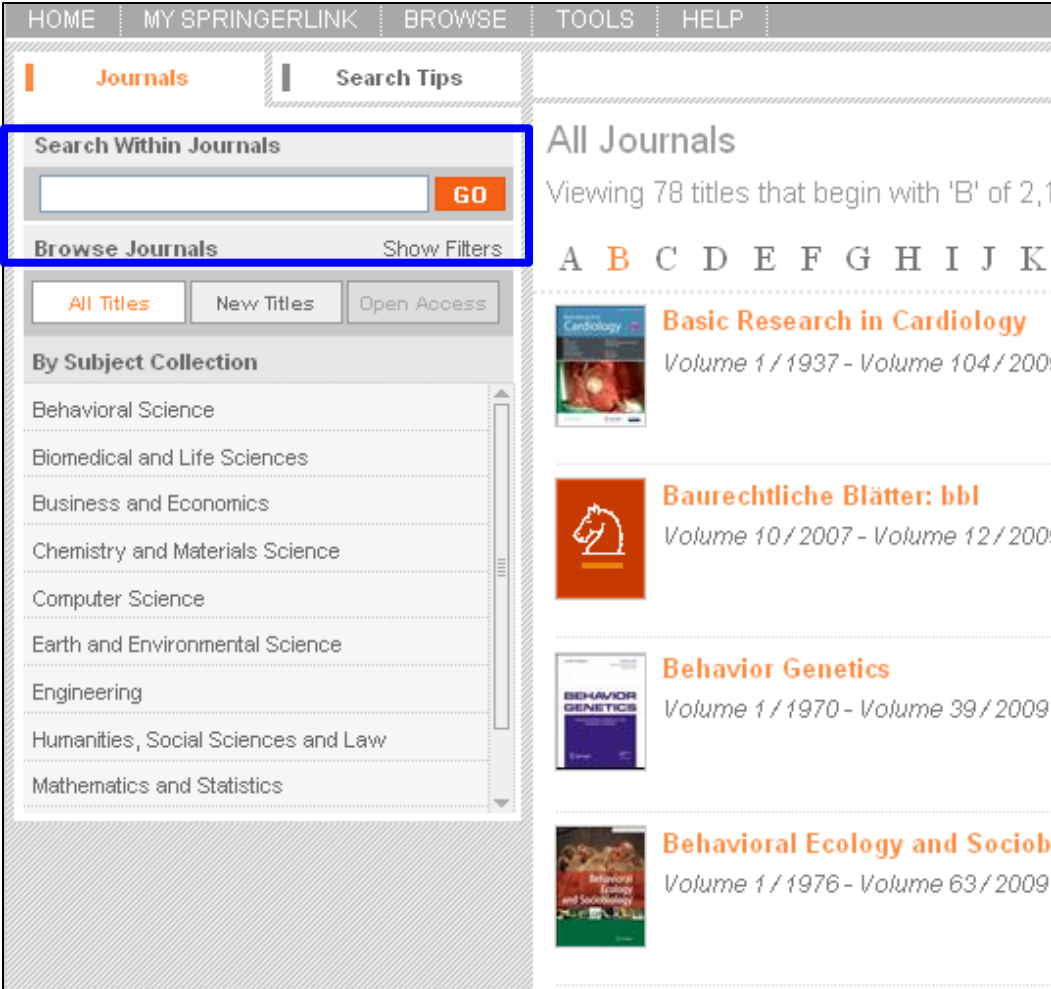


The screenshot shows the SpringerLink home page. Callout 1 points to the 'Subject Collection' menu on the left, which lists various scientific fields. Callout 2 points to the user profile area at the top right, which displays the user's name 'HEATHER STAINES' and a 'LOG OUT' button. The page also features a search bar, navigation tabs, and a list of journals.

1 Subject Collections now expand to show detailed subfields for easy browsing.

2 Institutional branding is now visible on every page.

Search within Content Type



The screenshot displays the SpringerLink interface. At the top, there are navigation tabs: HOME, MY SPRINGERLINK, BROWSE, TOOLS, and HELP. Below these, there are two main sections: 'Journals' and 'Search Tips'. The 'Search Within Journals' section is highlighted with a blue box and a circled '1'. It contains a search input field and a 'GO' button. Below this, there are 'Browse Journals' and 'Show Filters' options. The 'Browse Journals' section has three buttons: 'All Titles', 'New Titles', and 'Open Access'. The 'By Subject Collection' section lists various subject areas: 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, and Mathematics and Statistics. The main content area shows 'All Journals' with a search result for 'Basic Research in Cardiology' and other journals like 'Baurechtliche Blätter: bbl', 'Behavior Genetics', and 'Behavioral Ecology and Sociobiology'.

- 1 Search within Journals or eBooks allows for easy searching within specific content types.

Journal Features



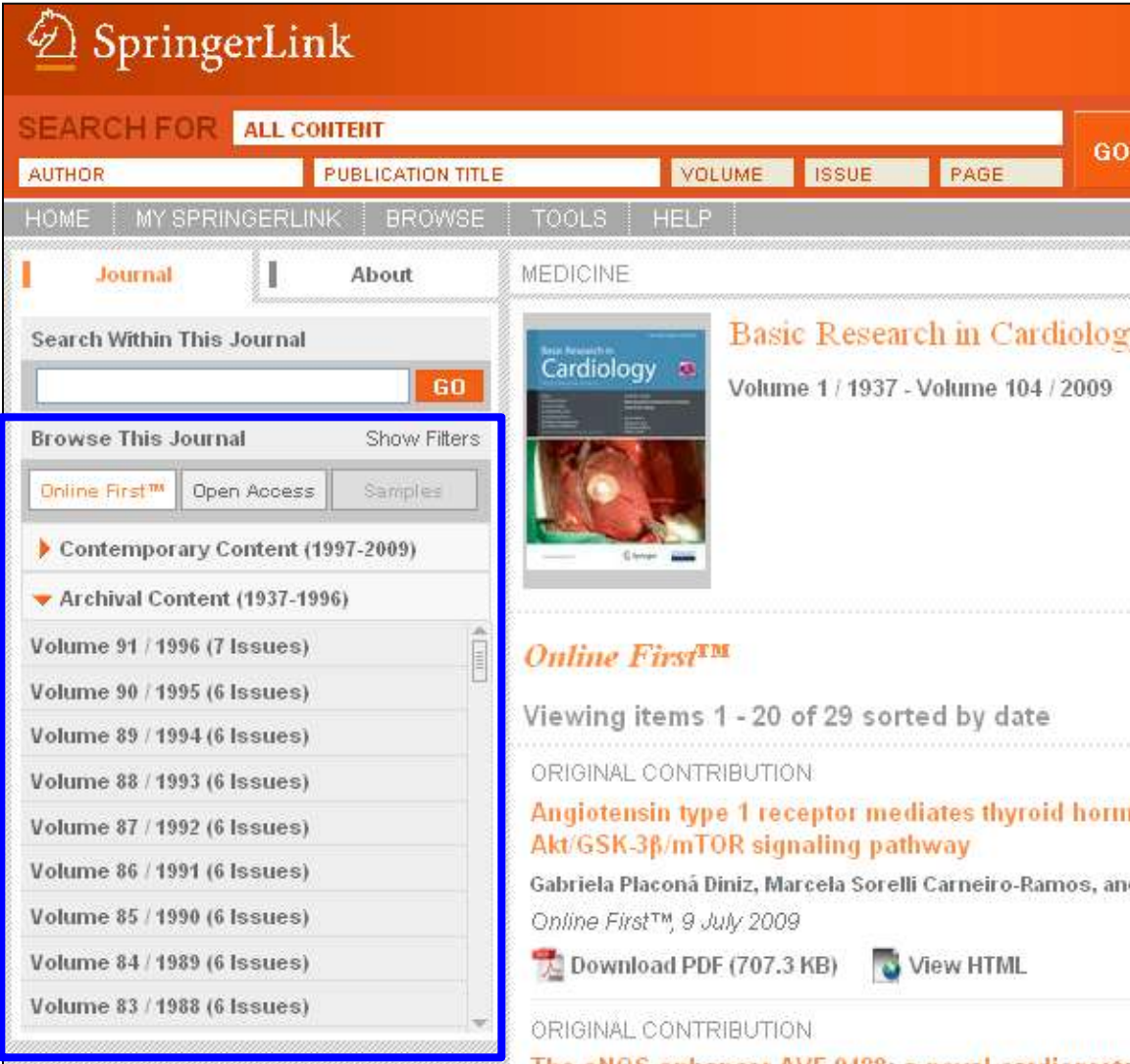
The screenshot shows the 'Journal' tab selected. Under 'Search Within This Journal', there is a search bar and a 'GO' button. Below that, the 'Browse This Journal' section has a 'Show Filters' link and a filter menu. The filter menu is open, showing 'Online First™' and 'Open Access' (highlighted with a blue box and a circled '1'). Below the filters, there is a section for 'Contemporary Content (1997-2009)' with a list of volumes and issues.

- 1 Articles can be filtered to show Online First and Open Access articles only.
- 2 The journal history notes indicate any title changes, mergers or title splits.



The screenshot shows the journal history page for 'Basic Research in Cardiology'. The title 'Basic Research in Cardiology' is displayed in orange. Below it, the volume range 'Volume 1 / 1937 - Volume 104 / 2009' is shown. A blue box highlights a text block: 'From Volume 1 (1937) to Volume 14 (1944) Issue 5 and from Volume 14 (1948) Issue 6 to Volume 67 (1972), this journal was published as *Archiv für Kreislaufforschung*.' A circled '2' is next to this text. Below the history note, there is a section for 'Open Access' with the text 'Articles available with full open access'. The page also shows 'Viewing items 1 - 10 of 14 sorted by date' and navigation links 'First Previous 1 2 Next'. The first article is listed as 'ORIGINAL CONTRIBUTION' with 'Online First' and 'Open Access' tags. The article title is 'K201 improves aspects of the contractile performance of human failing myocardium via reduction in Ca²⁺ leak from the sarcoplasmic reticulum'.

Browsing Journal Content

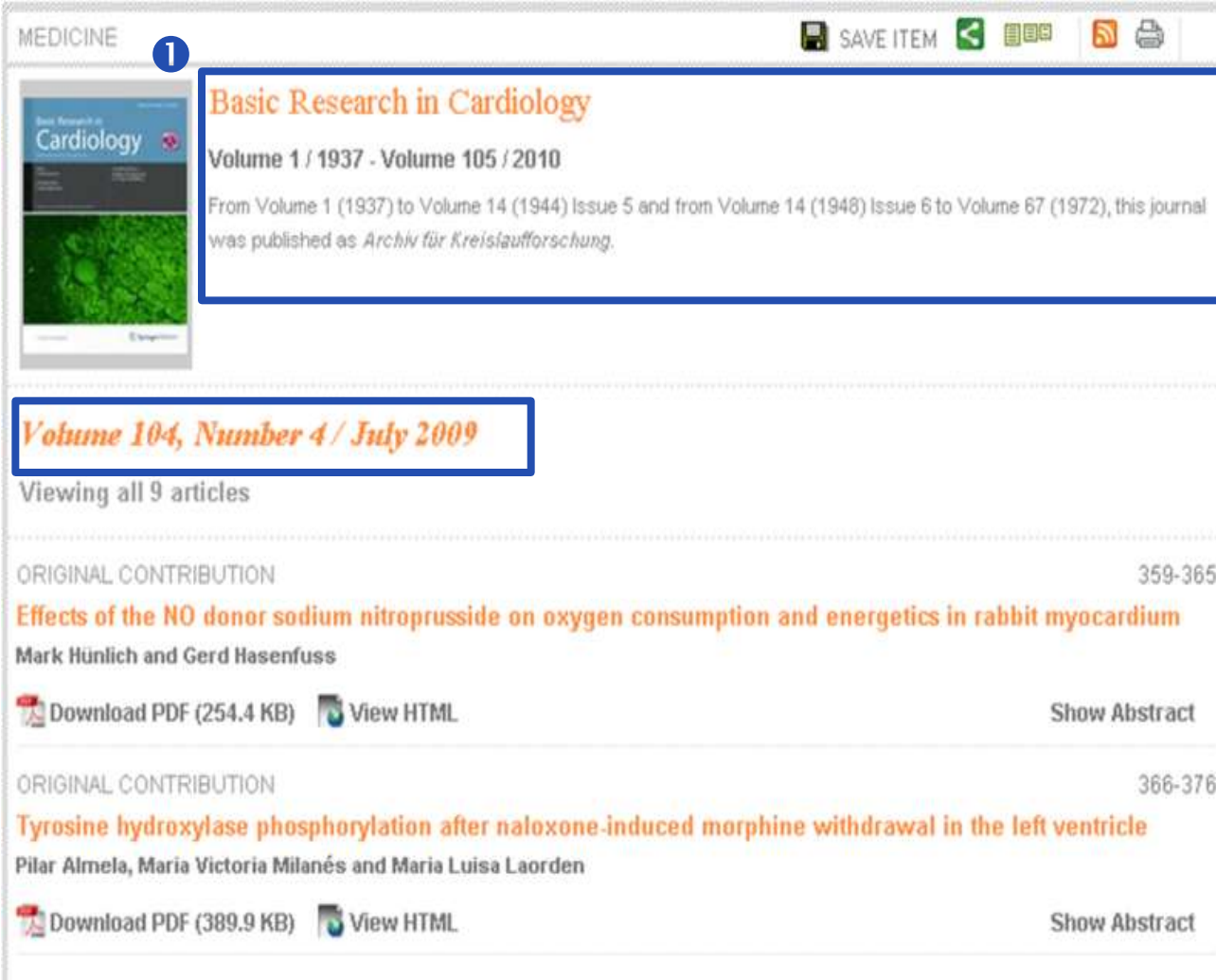


The screenshot shows the SpringerLink interface for the journal 'Basic Research in Cardiology'. The page is divided into several sections:

- Search Bar:** Includes a search box with 'ALL CONTENT' selected and a 'GO' button. Below it are tabs for 'AUTHOR', 'PUBLICATION TITLE', 'VOLUME', 'ISSUE', and 'PAGE'.
- Navigation:** Includes 'HOME', 'MY SPRINGERLINK', 'BROWSE', 'TOOLS', and 'HELP'.
- Journal Information:** Shows the journal title 'Basic Research in Cardiology' and the volume range 'Volume 1 / 1937 - Volume 104 / 2009'.
- Browse This Journal:** A section with a 'Show Filters' link and buttons for 'Online First™', 'Open Access', and 'Samples'. It contains a list of volumes:
 - Contemporary Content (1997-2009)
 - Archival Content (1937-1996)
 - Volume 91 / 1996 (7 Issues)
 - Volume 90 / 1995 (6 Issues)
 - Volume 89 / 1994 (6 Issues)
 - Volume 88 / 1993 (6 Issues)
 - Volume 87 / 1992 (6 Issues)
 - Volume 86 / 1991 (6 Issues)
 - Volume 85 / 1990 (6 Issues)
 - Volume 84 / 1989 (6 Issues)
 - Volume 83 / 1988 (6 Issues)
- Article Preview:** Shows an 'Online First™' article titled 'Angiotensin type 1 receptor mediates thyroid hormone Akt/GSK-3 β /mTOR signaling pathway' by Gabriela Placoná Diniz, Marcela Sorelli Carneiro-Ramos, and others. It includes options to 'Download PDF (707.3 KB)' and 'View HTML'.

- 1 All journal content available is instantly visible, including archival content.

The Issue Page



The screenshot shows the journal page for 'Basic Research in Cardiology'. At the top left, the word 'MEDICINE' is displayed. A blue box with a circled '1' highlights the journal title and volume information: 'Basic Research in Cardiology', 'Volume 1 / 1937 - Volume 105 / 2010', and a paragraph of text. Below this, a blue box with a circled '2' highlights the current issue: 'Volume 104, Number 4 / July 2009'. The page lists two articles under the heading 'ORIGINAL CONTRIBUTION'. The first article is 'Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium' by Mark Hünlich and Gerd Hasenfuss, with page numbers 359-365. The second article is 'Tyrosine hydroxylase phosphorylation after naloxone-induced morphine withdrawal in the left ventricle' by Pilar Almela, Maria Victoria Milanés, and Maria Luisa Laorden, with page numbers 366-376. Each article entry includes options to 'Download PDF' and 'View HTML', and a 'Show Abstract' link.

MEDICINE

1

Basic Research in Cardiology
Volume 1 / 1937 - Volume 105 / 2010
From Volume 1 (1937) to Volume 14 (1944) Issue 5 and from Volume 14 (1948) Issue 6 to Volume 67 (1972), this journal was published as *Archiv für Kreislaufforschung*.

2

Volume 104, Number 4 / July 2009

Viewing all 9 articles

ORIGINAL CONTRIBUTION 359-365

Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium
Mark Hünlich and Gerd Hasenfuss
Download PDF (254.4 KB) View HTML Show Abstract

ORIGINAL CONTRIBUTION 366-376

Tyrosine hydroxylase phosphorylation after naloxone-induced morphine withdrawal in the left ventricle
Pilar Almela, Maria Victoria Milanés and Maria Luisa Laorden
Download PDF (389.9 KB) View HTML Show Abstract

- 1** Journal information is clearly visible.
- 2** Volume and issue number also clearly noted.

Revealing the Abstract

Volume 104, Number 4 / July 2009

Viewing all 9 articles

ORIGINAL CONTRIBUTION

359-365

Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium

Mark Hünlich and Gerd Hasenfuss

 Download PDF (254.4 KB)  View HTML

1

Show Abstract

ORIGINAL CONTRIBUTION

366-376

Tyrosine hydroxylase phosphorylation after naloxone-induced morphine withdrawal in the left ventricle

Pilar Almela, Maria Victoria Milanés and Maria Luisa Laorden

 Download PDF (389.9 KB)  View HTML

Hide Abstract

Abstract

Our previous studies have shown that morphine withdrawal induced hyperactivity of cardiac noradrenergic pathways. The purpose of the present study was to evaluate the effects of morphine withdrawal on site-specific tyrosine hydroxylase (TH) phosphorylation in the rat left ventricle. Dependence on morphine was induced by a 7-day s.c. implantation of morphine pellets. Morphine withdrawal was precipitated on day 8 by an injection of naloxone (2 mg/kg, s.c.). TH phosphorylation was determined by quantitative blot immunolabelling using phosphorylation state-specific antibodies. Ninety min after naloxone administration to morphine-dependent rats there was an increase in phospho-Ser40-TH ($139.0 \pm 13\%$, $P < 0.05$) and Ser31-TH ($135.5 \pm 11\%$, $P < 0.05$) in the left ventricle which is associated with both an increase in total TH levels ($114.4 \pm 4.6\%$, $P < 0.05$, $P < 0.01$) and an enhancement of TH activity (51.0 ± 11 dm/ μ g protein, $P < 0.001$). When HA-1004 (40 nmol/day), inhibitor of cyclic AMP dependent protein kinase (PKA) was infused, concomitantly with morphine, it diminished the increase in noradrenaline (NA) turnover, total TH expression ($95.76 \pm 4.1\%$, $P < 0.01$) and TH phosphorylation at Ser40 ($85.5 \pm 11\%$, $P < 0.01$) in morphine-withdrawn rats. In addition, we showed that the ability of

- 1 Click "Show Abstract" to reveal the abstract.
- 2 The abstract can be reviewed without leaving the search results.

2

Related Documents



1

Related | Issue | Journal

MEDICINE

View Related Documents

Journal Article

Expression of iNOS scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim Henrik Hebelstrup

Journal Article

Nitric oxide plays a central role in determining lateral root development in tomato Natalia Correa-Aragunde

Book Chapter

Inhibition of Apoptosis by Taurine in Macrophages Treated with Sodium Nitroprusside So Young Kim

Journal Article

Expression of iNOS scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim

BASIC RESEARCH IN CARDIOLOGY
 Volume 104, Number 4, 359-365, DOI: 10.1007/s00395-009-0100-0

ORIGINAL CONTRIBUTION
Effects of the NO donor sodium nitroprusside on myocardial energetics in rabbit papillary muscles
 Mark Hünlich and Gerd Hasenfuss

[Download PDF](#) [View HTML](#)

Abstract

Nitric oxide (NO) has influence on various cellular myocardial energetics. In the present study oxygen isometrically contracting rabbit papillary muscles (LAD) were exposed to various interventions while maintaining physiological conditions. The NO donor sodium nitroprusside (SNP) (0.1 μmol/L) significantly inhibited oxygen consumption (VO₂) and increased the myocardial oxygen extraction ratio (O₂ER) during the intervention period.

- 1** The new SpringerLink shows researchers the most closely related documents on article and chapter level.

Mousing over Related Documents



The screenshot shows the SpringerLink interface. On the left, a sidebar titled "View Related Documents" contains a list of related articles. A blue circle with the number "1" highlights the first item in the list. The main content area displays a preview of the selected article, "PLANTA", with the title "Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*". The authors are Kim Henrik Hebelstrup and Erik Østergaard Jensen. Below the title, there are links for "Download PDF" and "HTML". The abstract text is visible below the links.

View Related Documents ①

Journal Article

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim Henrik Hebelstrup

Journal Article

Nitric oxide plays a central role in determining lateral root development in tomato Natalia Correa-Aragunde

Book Chapter

Inhibition of Apoptosis by Taurine in Macrophages Treated with Sodium Nitroprusside So Young Kim

Journal Article

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim

PLANTA

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*

Kim Henrik Hebelstrup and Erik Østergaard Jensen

Volume 227, Number 4, Pages 917-927

[Download PDF](#) [HTML](#)

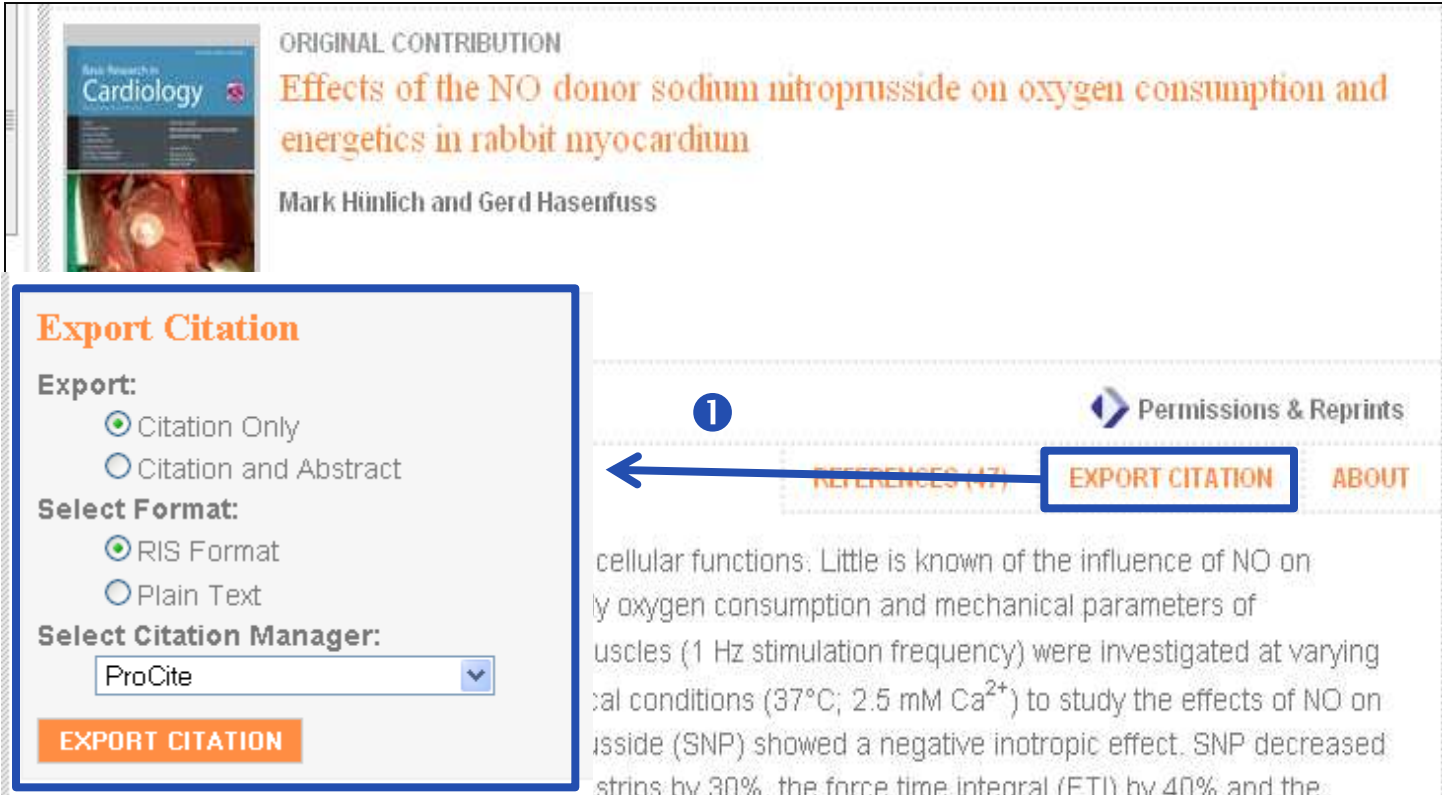
Abstract

Plants contain three classes of hemoglobin genes of which two, class 1 and class 2, have a structure similar to classical vertebrate globins. We investigated the effect of silencing the class 1 non-symbiotic hemoglobin gene, *GLB1*, and the effect of overexpression of *GLB1* or the class 2 non-symbiotic hemoglobin gene, *GLB2*, in *Arabidopsis thaliana*. Lines with *GLB1* silencing had a significant delay of bolting and after bolting, shoots reverted to the rosette vegetative phase by formation of aerial rosettes at lateral meristems. Lines with overexpression of *GLB1* or *GLB2* bolted earlier than wild type plants. By germinating the lines in a medium containing the nitric oxide (NO) donor, sodium nitroprusside (SNP), it was demonstrated that both *GLB1* and *GLB2* promote bolting

energetics. The NO donor sodium nitroprusside (SNP) showed a negative inotropic effect. SN

- ① Mousing over a “Related Documents” causes a mini-abstract screen to pop up, so researchers can review an item without leaving the original article!

Export Citations



The screenshot displays a Springer article page for the paper "Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium" by Mark Hinlich and Gerd Hasenfuss. The article is categorized as an "ORIGINAL CONTRIBUTION" and is published in "Basic Research in Cardiology".

The "Export Citation" tool is highlighted with a blue box and a circled '1'. It includes the following options:

- Export:**
 - Citation Only
 - Citation and Abstract
- Select Format:**
 - RIS Format
 - Plain Text
- Select Citation Manager:** ProCite (selected)

An orange "EXPORT CITATION" button is located at the bottom of the tool. A blue arrow points from the "EXPORT CITATION" button in the navigation bar to the "EXPORT CITATION" button in the tool. The navigation bar also includes "REFERENCES (47)", "ABOUT", and "Permissions & Reprints".

The article text is partially visible, starting with: "cellular functions: Little is known of the influence of NO on...".

- 1 Export Citation tool is easily visible and supports the most popular citation programs

References & “Cited By”



BIOMEDICAL AND LIFE SCIENCES

PLANTA
Volume 227, Number 4, 917-927, DOI: 10.1007/s00425-007-0667-z

 ORIGINAL ARTICLE
Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*
Kim Henrik Hebelstrup and Erik Østergaard Jensen

 Download PDF (650.6 KB)  View HTML

1 REFERENCES (39) **2** CITED BY (1) EXPORT CITATION ABOUT

Abstract

Plants contain three classes of hemoglobin genes of which two, class 1 and class 2, have a structure similar to classical vertebrate globins. We investigated the effect of silencing the class 1 non-symbiotic hemoglobin

- 1 Article references are easily viewed from the abstract page.
- 2 “Cited By” links to articles which cite the current article.

Thank you!

Elwin Gardeur

Licensing Manager Sales

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