



**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

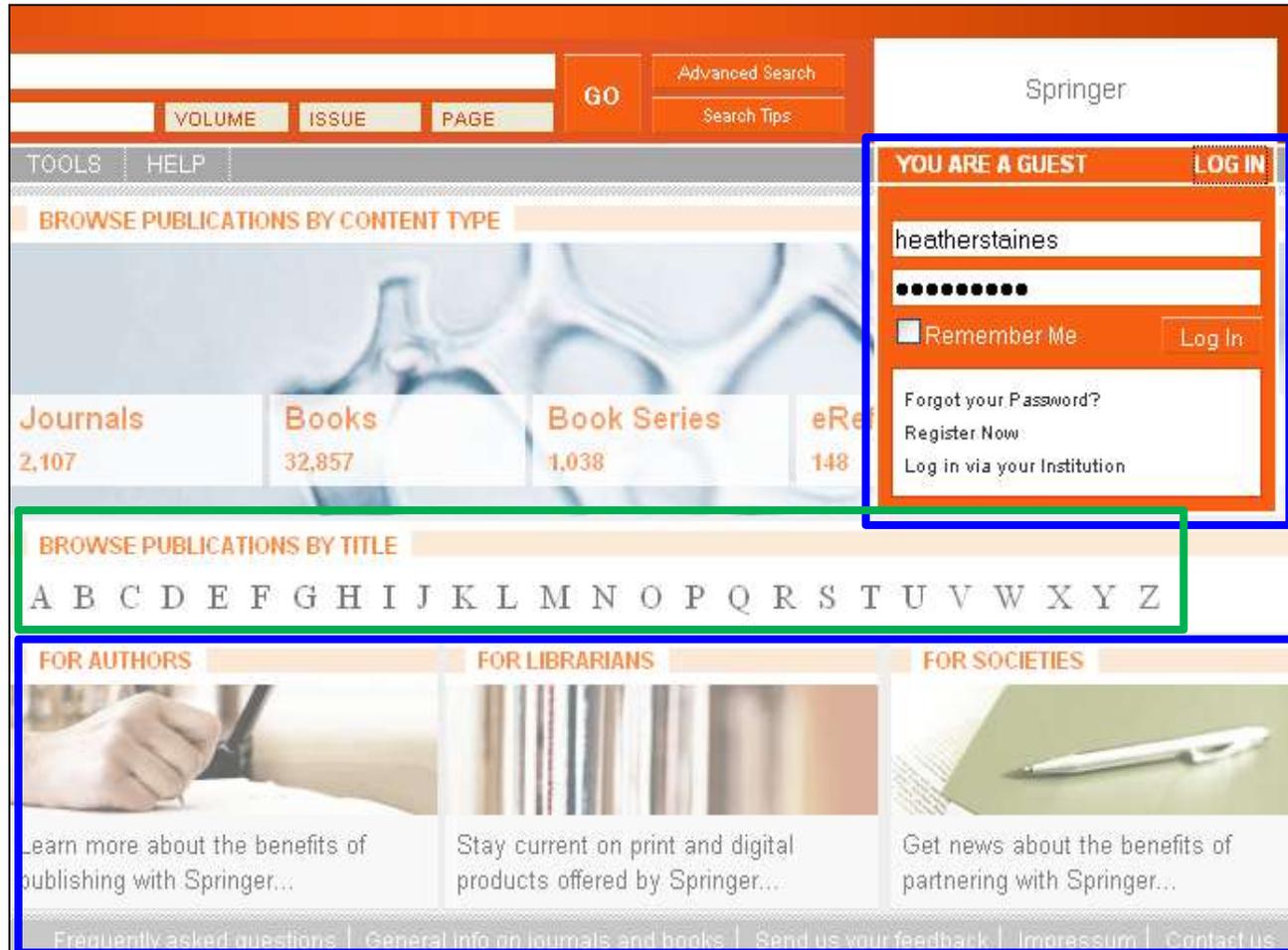
The screenshot shows the SpringerLink Advanced Search page. The interface is primarily orange and white. At the top left is the SpringerLink logo. On the right, there is a search bar with a dropdown menu for 'Advanced Search' (marked with a circled '1'). Below the search bar are several input fields for search criteria: 'DOI', 'AUTHOR', 'EDITOR', 'TITLE & ABSTRACT', and 'TITLE ONLY'. A callout box (marked with a circled '2') points to the 'CITATION' section, which includes a large text box for 'PUBLICATION (TITLE, DOI, ISSN OR ISBN)' and smaller boxes for 'VOLUME', 'ISSUE', and 'PAGE'. Below this is the 'CATEGORY AND DATE LIMITERS' section, featuring a dropdown for 'All Categories' and radio buttons for 'ENTIRE RANGE OF PUBLICATION DATES' and 'PUBLICATION DATES BETWEEN'. The latter has 'START DATE' and 'END DATE' input fields. To the right is the 'ORDER OF RESULTS' section with radio buttons for 'MOST RELEVANT FIRST' (selected), 'MOST RECENTLY PUBLISHED FIRST', and 'ALPHABETICAL'. A 'GO' button is located at the bottom right. A callout box (marked with a circled '3') points to the 'ORDER OF RESULTS' section.

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.

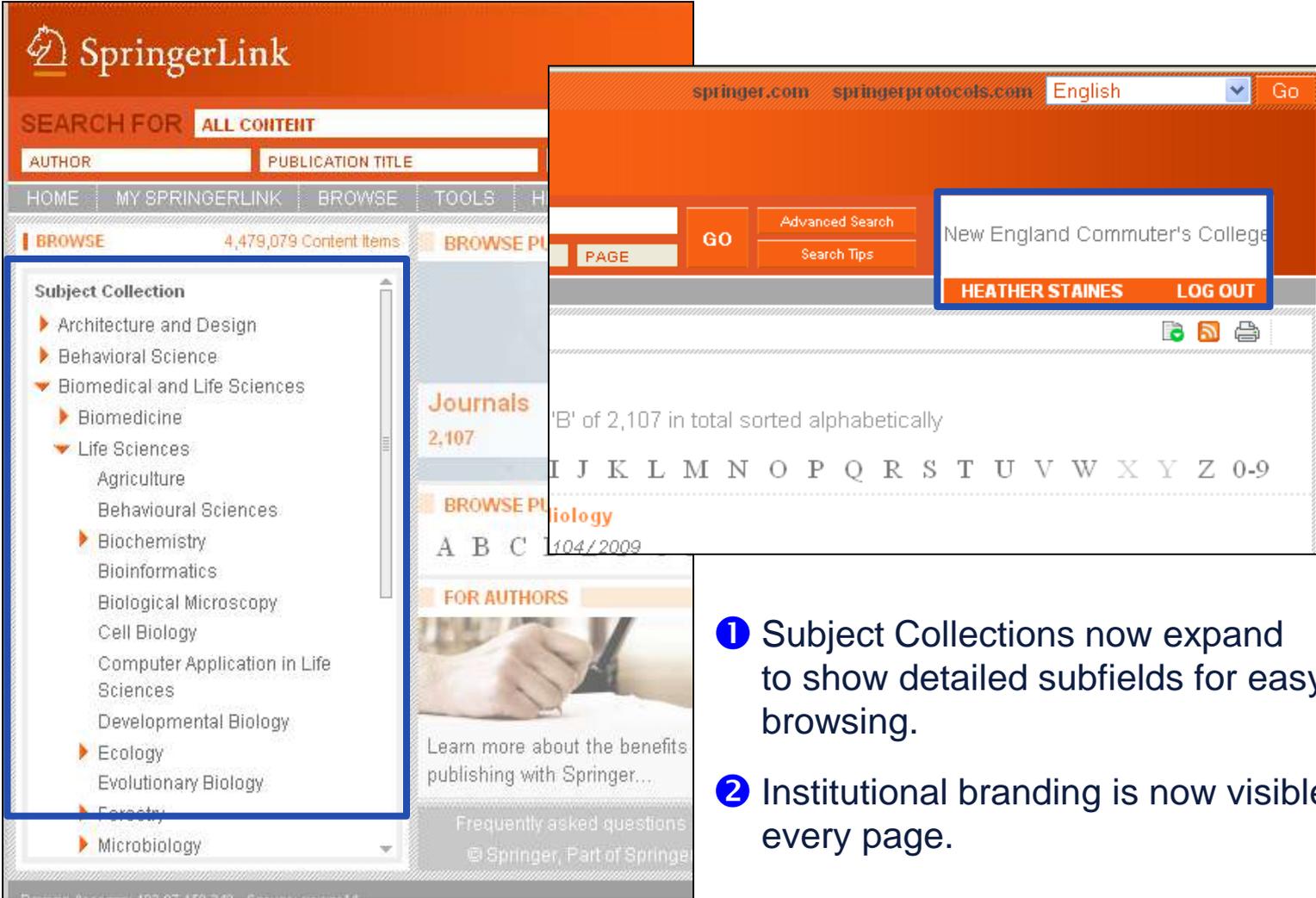
## The Home Page



The screenshot shows the Springer home page layout. 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 present. 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), 'BROWSE PUBLICATIONS BY TITLE' with an A-Z list, and 'FOR AUTHORS', 'FOR LIBRARIANS', and 'FOR SOCIETIES' sections. 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

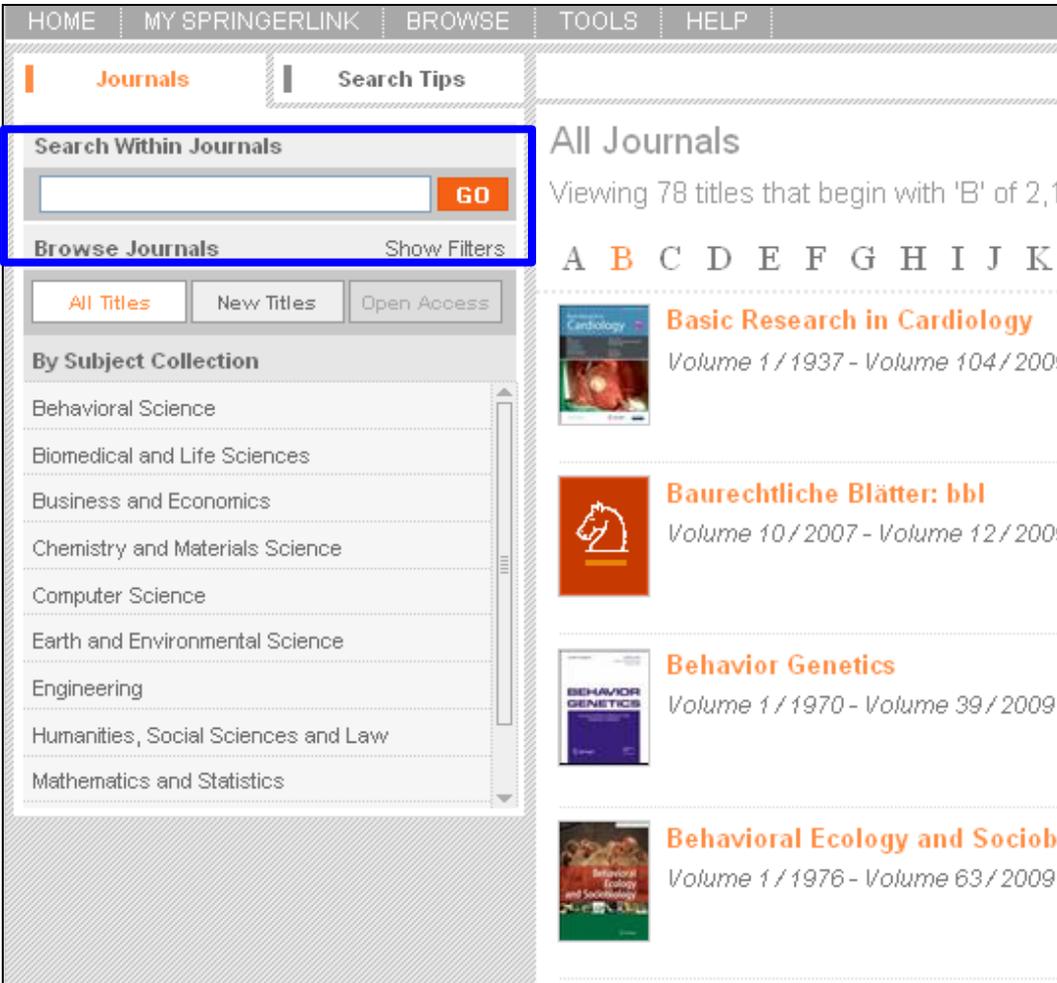


The screenshot displays the SpringerLink home page. Callout 1 points to the 'Subject Collection' menu on the left, which lists various scientific fields such as Architecture and Design, Behavioral Science, Biomedical and Life Sciences, Life Sciences, and Microbiology. Callout 2 points to the user profile area at the top right, which shows 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 is a 'Browse Journals' section with a 'Show Filters' link. Underneath, there are three buttons: 'All Titles', 'New Titles', and 'Open Access'. A 'By Subject Collection' section follows, listing 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 is titled 'All Journals' and shows a list of journals starting with 'B'. The first four journals listed are: 'Basic Research in Cardiology', 'Baurechtliche Blätter: bbl', 'Behavior Genetics', and 'Behavioral Ecology and Sociobiology'. Each journal entry includes a small thumbnail image of the journal cover and the volume information.

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

## Journal Features



Journal | About

Search Within This Journal

**GO**

Browse This Journal **1** Show Filters

Online First™ **Open Access** Samples

▼ Contemporary Content (1997-2009)

**Volume 104**

Number 5 / September 2009

Number 4 / July 2009

Number 3 / May 2009

Number 2 / March 2009

Number 1 / January 2009

**Volume 103**

Number 6 / November 2008

- 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.



NE Add to My Items Share this item

**Basic Research in Cardiology**

Volume 1 / 1937 - Volume 104 / 2009

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*.

**Open Access** Articles available with full open access

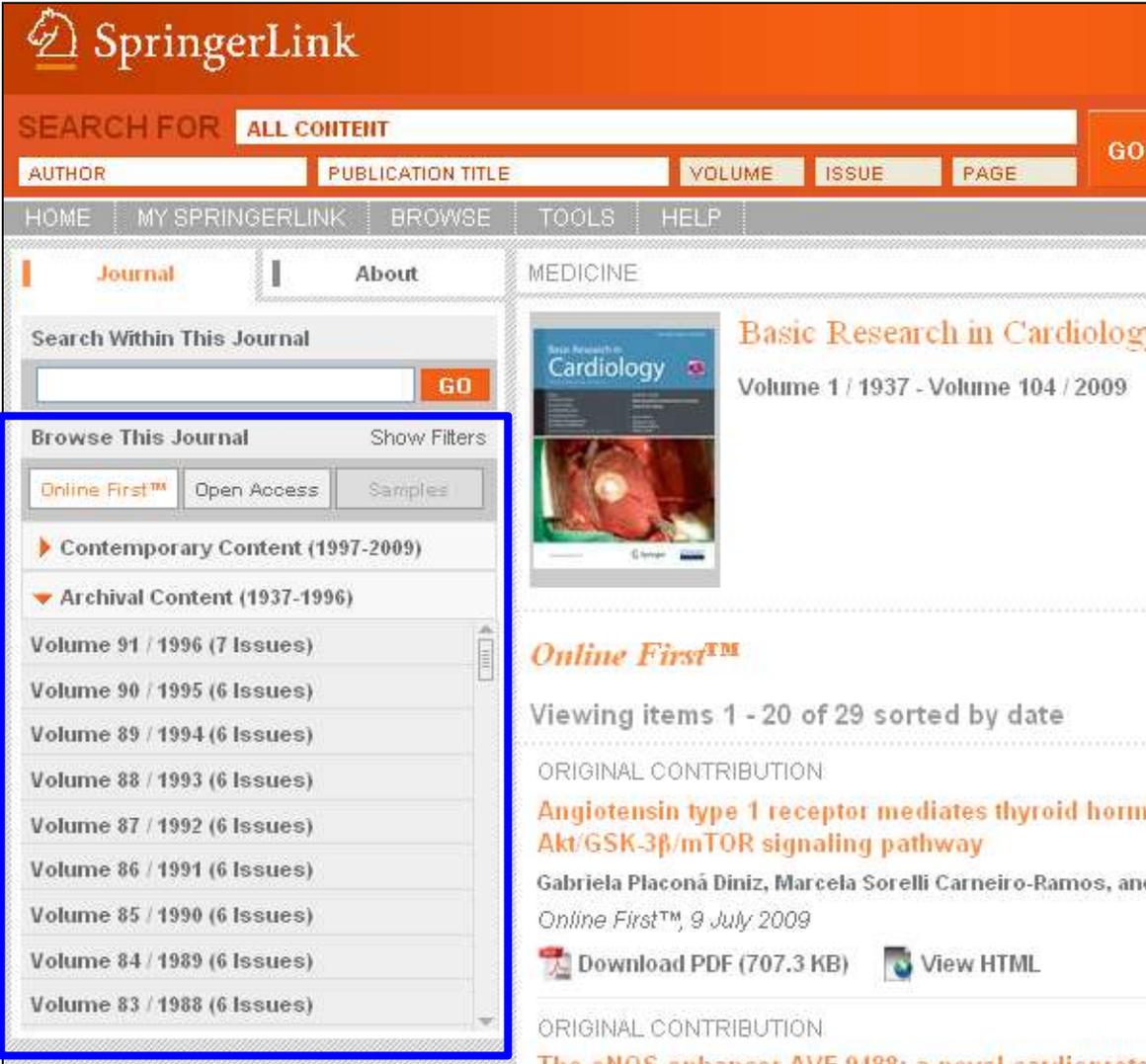
Viewing items 1 - 10 of 14 sorted by date First Previous 1 2 Next

ORIGINAL CONTRIBUTION

Online First Open Access

**K201 improves aspects of the contractile performance of human failing myocardium via reduction in  $Ca^{2+}$  leak from the sarcoplasmic reticulum**

## Browsing Journal Content



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

- Search Bar:** Located at the top, with a search scope set to 'ALL CONTENT'. Below it are input fields for 'AUTHOR', 'PUBLICATION TITLE', 'VOLUME', 'ISSUE', and 'PAGE', along with a 'GO' button.
- Navigation:** A horizontal menu with links for 'HOME', 'MY SPRINGERLINK', 'BROWSE', 'TOOLS', and 'HELP'.
- Journal Information:** The journal title 'Basic Research in Cardiology' is prominently displayed, along with its volume range 'Volume 1 / 1937 - Volume 104 / 2009'. A cover image of the journal is shown to the left.
- Browse This Journal:** A section on the left side, highlighted with a blue box and a circled '1', which allows users to filter content. It includes buttons for 'Online First™', 'Open Access', and 'Samples'. Below these are two main categories: 'Contemporary Content (1997-2009)' and 'Archival Content (1937-1996)'. The 'Archival Content' section is expanded, showing a list of volumes from 1988 to 1996, each with the number of issues (6).
- Article Preview:** A section titled 'Online First™' showing a list of items. The first item is 'Angiotensin type 1 receptor mediates thyroid hormone Akt/GSK-3β/mTOR signaling pathway' by Gabriela Placoná Diniz, Marcela Sorelli Carneiro-Ramos, and others, dated 9 July 2009. 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

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 ( $51.0 \pm 11$  dm/ $\mu$ 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 iNO 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 iNO 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/s00395-00

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



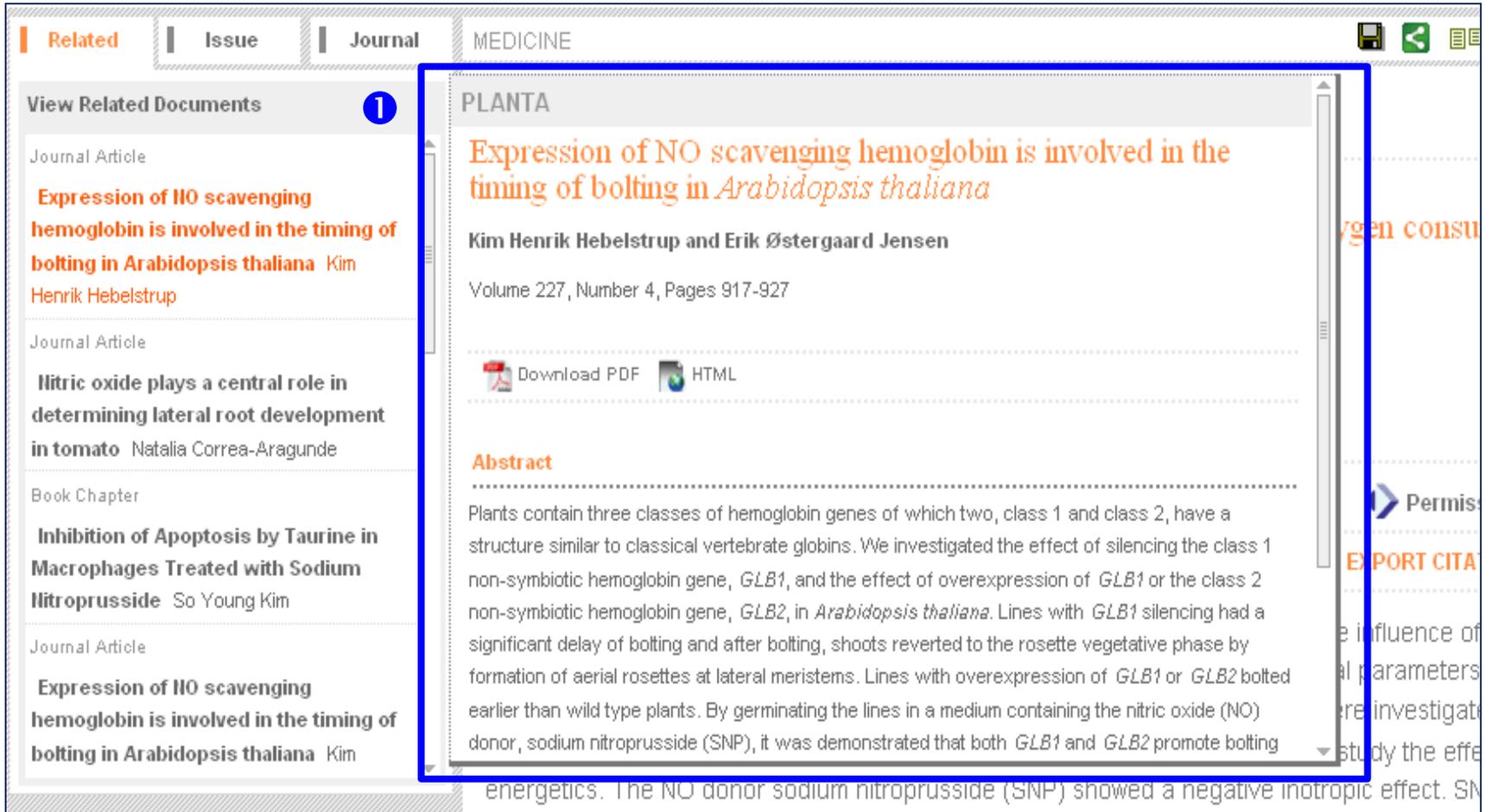
[Download PDF](#) [View HTML](#)

**Abstract**

Nitric oxide (NO) has influence on various cellular myocardial energetics. In the present study oxygen isometrically contracting rabbit papillary muscles (P) were exposed to various interventions while maintaining physiological conditions. The NO donor sodium nitroprusside (SNP) (0.1 μmol/L) increased oxygen consumption (V<sub>O<sub>2</sub></sub>) and myocardial energetics. The NO donor sodium nitroprusside (SNP) (0.1 μmol/L) increased oxygen consumption (V<sub>O<sub>2</sub></sub>) and myocardial energetics.

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

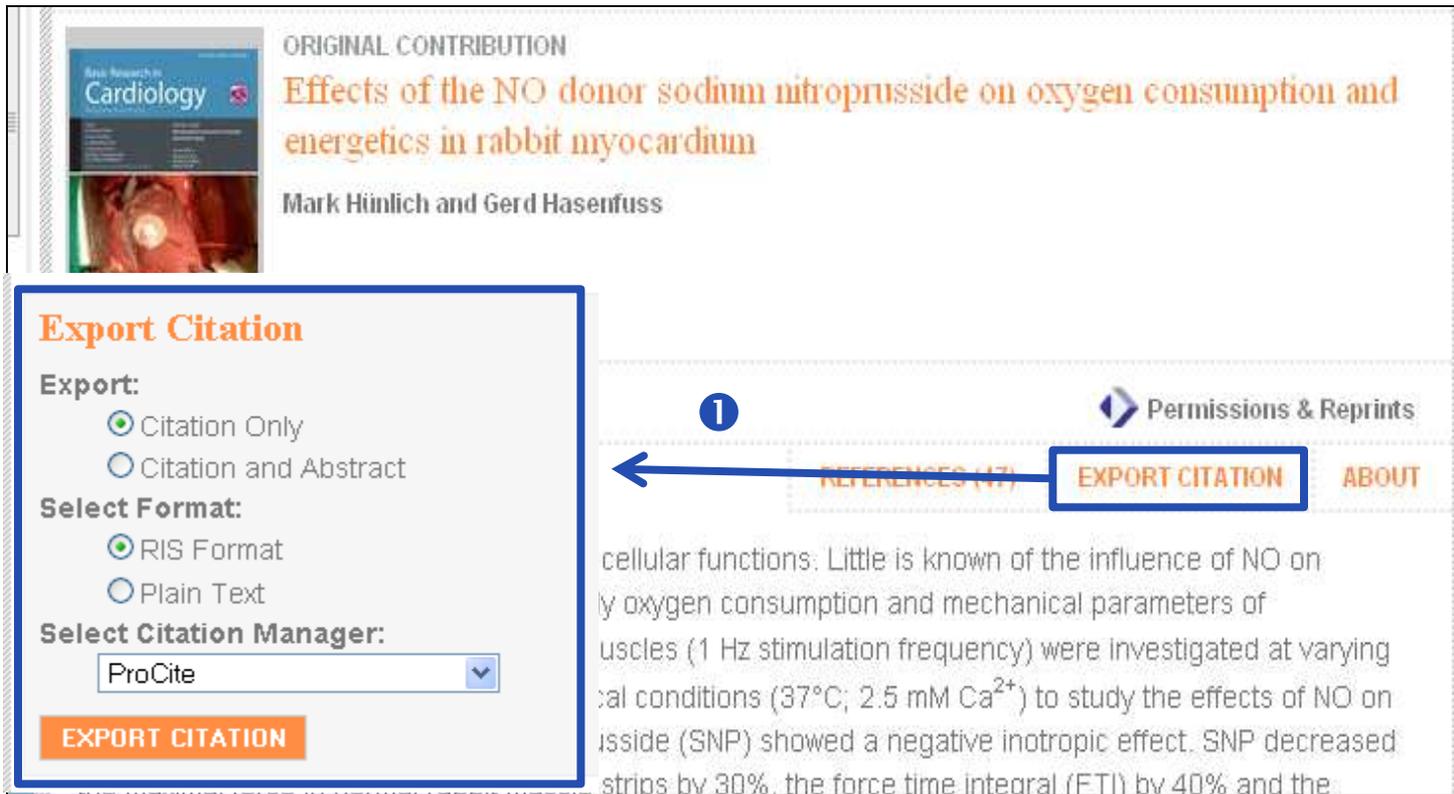
## Mousing over Related Documents



The screenshot shows the SpringerLink interface. On the left, a sidebar titled "View Related Documents" (marked with a circled 1) lists several articles. The first article is highlighted in orange: "Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*" by Kim Henrik Hebelstrup. The main content area displays a preview for the selected article, titled "PLANTA". The preview includes the article title, authors (Kim Henrik Hebelstrup and Erik Østergaard Jensen), volume information (Volume 227, Number 4, Pages 917-927), and options to "Download PDF" or view the "HTML". Below the preview is an "Abstract" section with the following text: "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



ORIGINAL CONTRIBUTION

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

Mark Hinlich and Gerd Hasenfuss

**Export Citation**

**Export:**

- Citation Only
- Citation and Abstract

**Select Format:**

- RIS Format
- Plain Text

**Select Citation Manager:**

ProCite

**EXPORT CITATION**

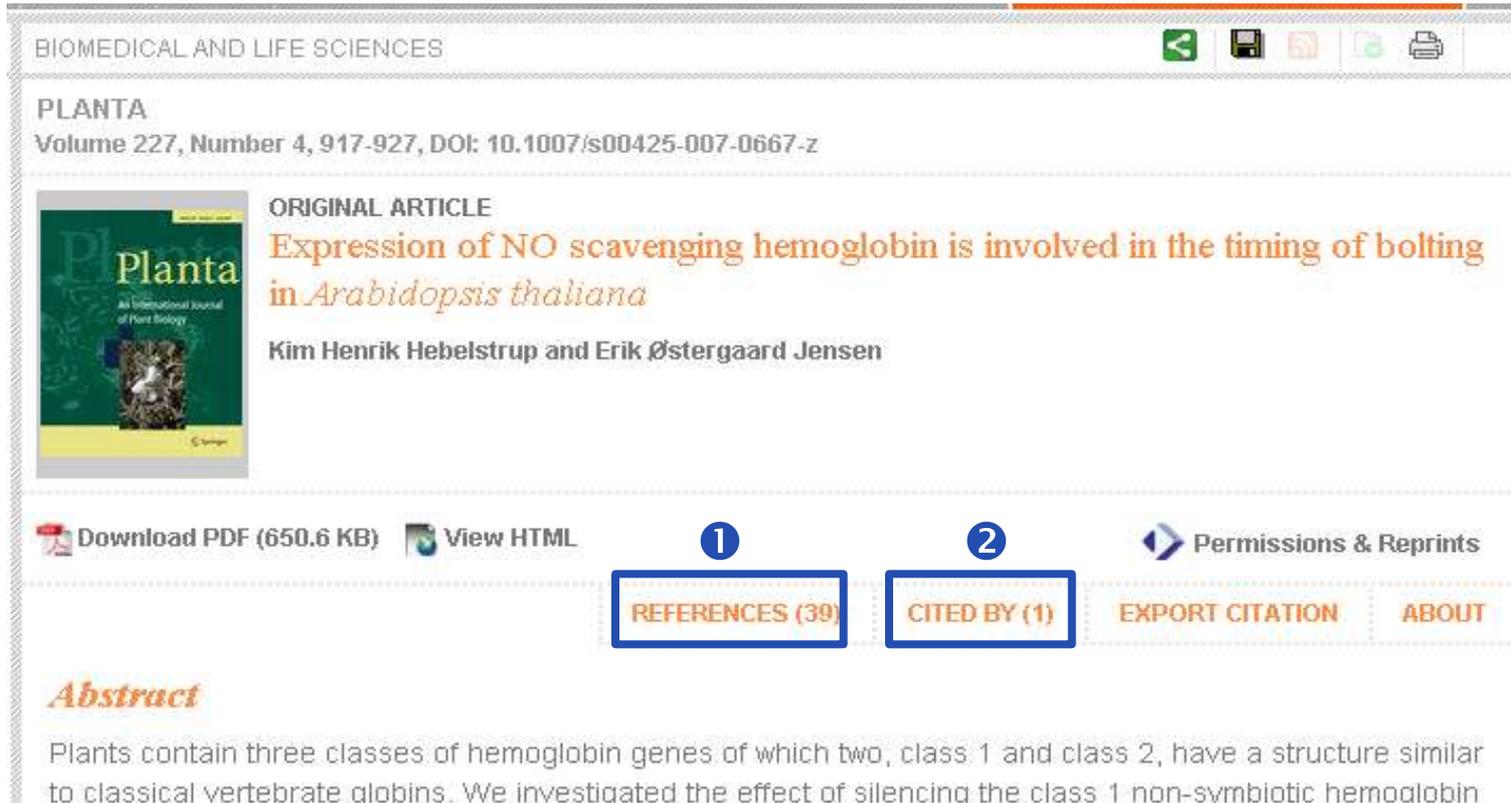
Permissions & Reprints

REFERENCES (47) **EXPORT CITATION** ABOUT

cellular functions: Little is known of the influence of NO on  
ly oxygen consumption and mechanical parameters of  
uscles (1 Hz stimulation frequency) were investigated at varying  
cal conditions (37°C; 2.5 mM Ca<sup>2+</sup>) to study the effects of NO on  
sside (SNP) showed a negative inotropic effect. SNP decreased  
strips by 30%, the force time integral (FTI) by 40% and the

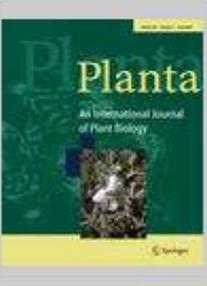
❶ Export Citation tool is easily visible and supports the most popular citation programs

## 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** **2**  Permissions & Reprints

**REFERENCES (39)** **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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Corporate library Sales Benelux, Eastern Europe & Israel/New Business ROW

tel. +31 (0)78 657 67 37

mob. +31 (0)6 460 463 85

[Elwin.gardeur@springer.com](mailto:Elwin.gardeur@springer.com)