Campus Research Gateway and Expert Finder

Sarah L. Shreeves
University of Illinois at Urbana-Champaign

EDUCAUSE Midwest – Chicago, IL – March 17 2010
Do you know what your faculty are doing?
Why should you care?
Libraries

Can we find a better/easier/more convenient way to get content into our IRs?

How do we know if we’re meeting funder/institutional open access mandates?

Where are faculty publishing? Is that changing over time?

Can we personalize discussions about scholarly communication issues with faculty?
Can we quickly generate a current publication list to insert in grant applications / annual reports / prospective graduate students?

Is there another researcher on campus working in this area?

Can’t I just give you a paper to upload to the repository?
Administrators

- Are we meeting our funder/institutional open access mandates?
- Which faculty are publishing in high profile journals (e.g., Nature or Science)?
- What collaborations are happening across campus? With other campuses?
- What are the strengths of a department or research group?
Faculty directory information
Publication lists
Sherpa/Romeo publisher policy database
OpenURL resolver
Google Books
Google Charts
SWORD (for repository connection)
BibApp developed by....

University of Wisconsin-Madison

Eric Larson
Dorothea Salo

University of Illinois at Urbana-Champaign

Bill Ingram
Sarah Shreeves

Duraspace

Tim Donohue

With generous support from the Illinois Informatics Institute
http://connections.ideals.illinois.edu/

http://bibapp.mbl.edu/
At the library, we ❤️ our researchers.

Works – Recent additions

Biomass and seed yields of big bluestem, switchgrass, and intermediate wheatgrass in response to manure and harvest timing at two topographic positions
Journal article
Find It | Save

Comparison of phosphate materials for immobilizing cadmium in soil
Journal article
Hong, Chang Oh, Chung, Doug Young, Lee, Do Kyouna. Kim. Pil Joo
Increased C availability at elevated carbon dioxide concentration improves N assimilation in a legume

Journal article

Rogers, A., Gibon, Y., Stitt, M., Morgan, P. B., Bernacchi, C. J., more...


Find It | Save
Groups

College of Agricultural, Consumer, and Environmental Sciences
Crop Sciences
Institute for Genomic Biology

Research Focus

The overall objectives of my research program are as follows: * To understand mechanisms of plant responses to both rising atmospheric carbon dioxide concentration and tropospheric ozone, with particular reference to photosynthesis and relating changes at the molecular and biochemical level to observations of whole systems in the field; * To understand crop responses to global atmospheric...
Elevated CO2 significantly delays reproductive development of soybean under Free-Air Concentration Enrichment (FACE).

Journal article
Find It | Save

More productive than maize in the Midwest: how does Miscanthus do it?

Journal article
Dohleman, F. G., Long, S. P.
Plant Physiology (2009)
Find It | Save

Elevated CO2 effects on plant carbon, nitrogen, and water relations: six important lessons from FACE.

Journal article
Leakey, A. D. B., Ainsworth, E. A., Bernacchi, C. J., Rogers, A., Long, S. P., more...
Find It | Save


Elevated CO2 significantly delays reproductive development of soybean under Free-Air Concentration Enrichment (FACE)

Joseph C. Castro¹, Frank G. Dohlen¹, Carl J. Bernacchi¹ and Stephen P. Long¹,*

1 Department of Plant Biology, University of Illinois, 1101 W. Gregory Drive, Urbana, IL 61801, USA
2 Department of Crop Sciences, University of Illinois, 1007 Plant Sci. Bldg., 1040 W. Gregory Drive, Urbana, IL 61801, USA

Received 14 January 2009; Revised 1 May 2009; Accepted 5 May 2009

Abstract

The effect of rising atmospheric concentration of carbon dioxide [CO2] on the reproductive development of soybean (Glycine max. L.) has not been evaluated under open-air field conditions. Soybeans grown under Free-Air CO2 Enrichment (FACE) exhibit warmer canopies due to decreased latent heat loss because of decreased stomatal conductance. According to development models based on accumulated thermal time, or growing degree days ('C), increased canopy temperature should accelerate development. The SoyFACE research facility (Champaign, Illinois, USA) was used to test the hypothesis that development is accelerated in soybean when grown in [CO2] elevated to 548 μmol mol⁻¹. Canopy temperature was measured continuously with infrared thermometry, and used in turn to calculate GDD. Opposite to expectation, elevated [CO2], while
Book overview

In April 1955, twenty-nine countries from Africa, Asia, and the Middle East came together for a diplomatic conference in Bandung, Indonesia, intending to define the direction of the postcolonial world. Representing approximately two-thirds of the world’s population, the Bandung conference occurred during a key moment of transition in the mid-twentieth century amid the global wave of decolonization that took place after the Second World War and the nascent establishment of a new cold war world order. Conference participants such as Jawaharlal Nehru of India, Gamal Abdel Nasser of Egypt, Zhou Enlai of China, and President Sukarno of Indonesia seized this occasion of change to attempt the creation of a political alternative to the dual threats of Western neocolonialism and the cold war interventionism of the United States and the Soviet Union. This collection of essays speaks to contemporary discussions of empire and decolonization and explores the precursors and afterlives of the Bandung moment. Making a World After Empire reestablishes the conference’s importance in the global history of the twentieth century.

No preview available - 2010 - 230 pages

Reviews

We haven't found any reviews in the usual places.

Write review

More book information

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<tr>
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## Archival Analysis: Stephen P Long

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<td>13</td>
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### Publications

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<td>Plant Physiology</td>
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People

Mak
Bishop
Alkalimat
Jenkins
Smith
Palmer
Bruce
Tilley
Weech
Blake

Sub-Groups

- Center for Children’s Books (7)
- Center for Informatics Research in Science and Scholarship (175)

Recent Works

Books, buildings and social engineering: early public libraries in Britain from past to present
Book whole
Black, Alistair, Pepper, Simon, Bagshaw, Kaye
Ashgate Publishing (2009)
Find It | Save

Romancing the Muse of History: The Secret Garden, Mary Lennox, and Me
Book section
Jenkins, Christine A.
In Hearne, Betsy G., Seelinger, Roberta (Eds.), A Narrative Compass: Stories that
Publications

Journal of the American Society for Information Science and Technology (13)
Library Trends (10)
First Monday (7)
Annual Review of Information Science and Technology (4)
Library History (4)
Proceedings of the 8th ACM/IEEE-CS joint conference on Digital libraries (4)
A companion to digital humanities (3)
Information Processing and Management (3)
Information, Communication & Society (3)
Learning, culture, and community in online education : research and practice (3)

Publishers

Association for Computing Machinery (41)
Institute of Electrical and Electronics Engineers (IEEE) (22)
Wiley-Blackwell (18)
Sage Publications (14)
Springer Verlag (14)
Johns Hopkins University Press (10)
Bobcatsss Symposium (9)
First Monday Editorial Group (7)
Information Today, Inc. (7)
Routledge (7)
Reusable content
Citation Types

- History
  - Book (7%)
  - Edited (8%)
  - Book, Section (20%)
  - Book, Whole (14%)

- Speech Communication
  - Book, Article (68%)
  - Journal Article (18%)
  - Book, Section (6%)
  - Other (7%)
Example: History Dept at Illinois

- Journal article: 54.68%
- Book whole: 24.15%
- Book section: 19.40%
- Conference paper: 1.22%
- Report: 0.27%
- Other: 0.14%
- Other: 0.14%
## Example: History Dept at Illinois

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<td>American Historical Review (12)</td>
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<td>University of Chicago Press (35)</td>
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<td>Journal of Modern History (9)</td>
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<td>Gender and History (6)</td>
<td>University of Illinois Press (21)</td>
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<td>Journal of Women's History (6)</td>
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<td>International Labor and Working-Class History (5)</td>
<td>Sage Publications (16)</td>
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<td>International Review of Social History (5)</td>
<td>University of California Press (14)</td>
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Technology Stack

- Linux
- Apache with Phusion Passenger (_aka_mod rails)
- Ruby on Rails (Enterprise Edition)
- Java
- Lucene / Solr
- Sherpa Romeo API
- Google Books API
- OpenURL
- Accepts RIS, RefWorks XML, Medline
- Runs on MySQL or PostgreSQL
Where are we?

- BibApp 1.0 (due out within the next couple of weeks!!)
  - BibApp 2.0
    - More visualization and data mining tools

http://www.bibapp.org

http://code.google.com/p/bibapp/
Metadata Mess
Authority Control for Publications and Publishers

Admin Publication Authorities

To set publication authorities, add records to the box below, select one record as the authority, and click the Set Authority button.

<table>
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<tr>
<th>ISSN / ISBN</th>
<th>Publication Name</th>
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Set Authority
Author disambiguation

- Inconsistency across A&I services
  (example below from three)

  Downie, J.S.  
  Downie, S.  
  Downie, S.R.  
  Downie, Stephen J.  
  Downie, Stephen R.  

  (20)  
  (2)  
  (65)  
  (1)  
  (10)
J Stephen Downie

Research Focus

Pen Names for: J Stephen Downie

1. Downie, J. Stephen
2. Downie, J. S.
3. Downie, J.

Group:
Graduate School of Library and Information Science

Stephen R. Downie

Email: sdownie@illinois.edu · Phone: +1 217 333 1275

Research Focus

Pen Names for: Stephen R. Downie

1. Downie, Stephen R.
2. Downie, Stephen
3. Downie, S. R.
4. Downie, S.

Group:
Plant and Chemical Biology · Conservation
Author disambiguation

- A cosmetic 'anti-ageing' product improves photoaged skin: a double-blind, randomized controlled trial
  Watson, R. E. B., Ogden, S., Cotterell, L. F., Bowden, J. J., Bastrilles, J. Y., more...
  *British Journal of Dermatology* (2009)

- Elevated CO2 significantly delays reproductive development of soybean under Free-Air Concentration Enrichment (FACE).
  Castro, J. C., Dohleman, F. G., Bernacchi, C. J., Long, S. P., Raines, C. Barragan, M. S. Berlanga, A.M.
  *Journal of experimental botany* (2009)

- More productive than maize in the Midwest: how does Miscanthus do it?
  Dohleman, F. G., Long, S. P.
  *Plant Physiology* (2009)
A Brief Plug for Author Identifiers

Coalition of publishers, academic institutions, disciplinary repositories and other interested parties
Completeness


_Book chapters in social sciences and humanities hard to find as the primary entry._

_Conferences can also be hard to find._
Who owns the keywords and abstracts?

Generally the publisher or the abstract/index service
Why don’t we have better management and control of these outputs?

Informed decisions for library collections

Better, data-driven discussions with faculty and departments

Easier to identify material to go into institutional repositories

Promotion of departmental and individual research

Better understanding of the collaborations happening around campus
Contact Information

Sarah Shreeves
Coordinator, IDEALS
http://www.ideals.illinois.edu/

217-244-3877
sshreeve@illinois.edu

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