

## **Open Access:**

Perspectives from the Purdue Libraries and  
the Purdue University Press

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# Scholarly Communication and Access to Published Research



Author



Publisher



Library

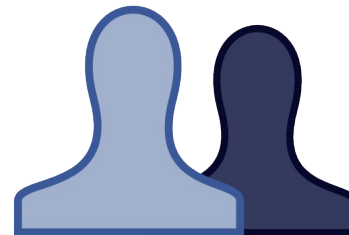


Researchers

# Examining Implications of the Author to Publisher Transaction



Goal: Publish  
your research  
and make it  
accessible



# Examining Implications of the Author to Publisher Transaction



First you have to  
select a venue



# The Caveat

Publishers ask authors to transfer  
copyright to secure subscription  
revenue

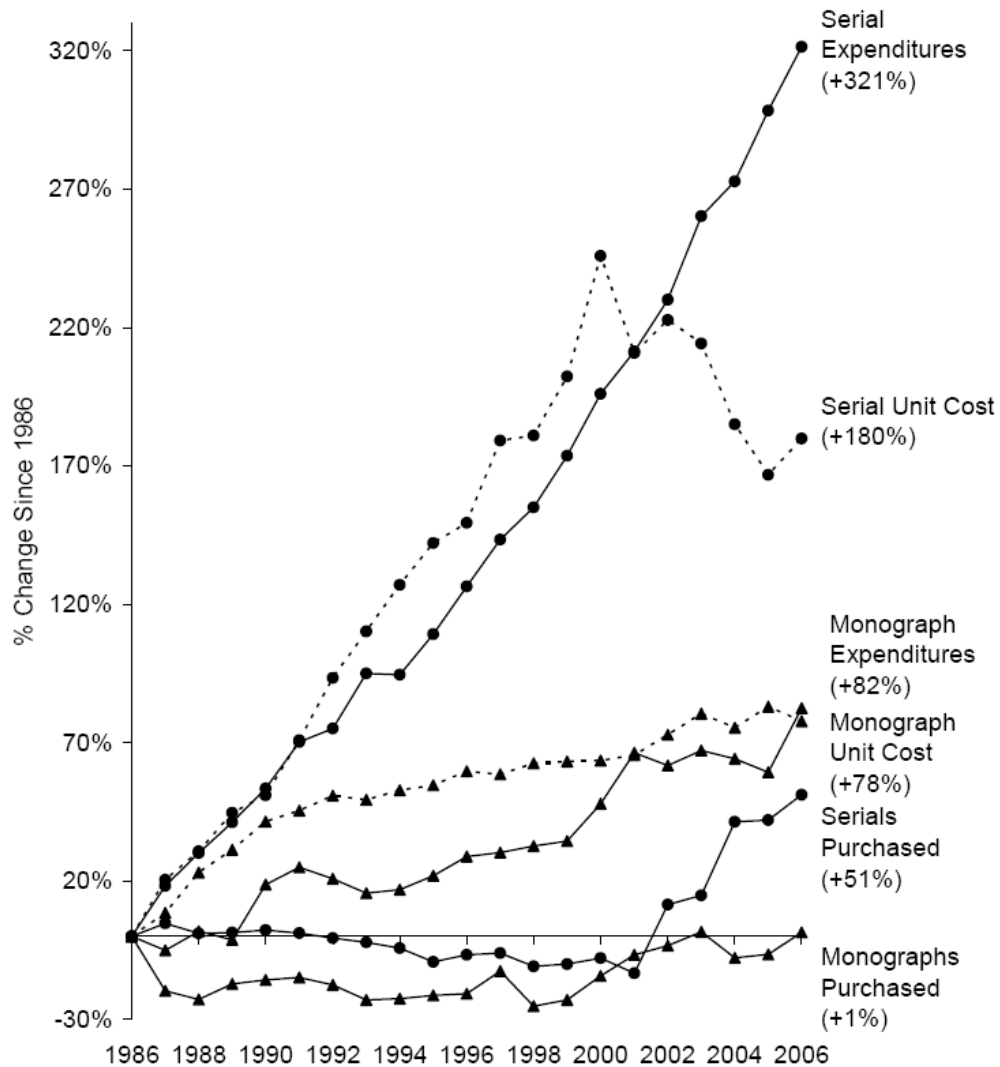


# Subscription Costs and Implications for Access

“The cost of scholarly journals has increased at 10 percent per year for the last three decades. This is over six times the rate of general inflation and over two-and-a-half times the rate of increase of the cost of health care.”

Lewis, David. Library budgets, open access, and the future scholarly communication: Transformations in academic publishing. *College & Research Libraries News*, 69(5), May 2008.

## Monograph and Serial Expenditures in ARL Libraries, 1986-2006\*



Source: ARL Statistics 2005-06, Association of Research Libraries, Washington, D.C.

\*Includes electronic resources from 1999-2000 onward.

## **Your Research Is Only Partially Accessible**

- Some have access
  - Those who have personal subscriptions or whose libraries can afford institutional subscriptions
- And everybody else ...
  - The rest of the world.
  - This is non-trivial. Consider the current global economic crisis



## **How do scholarly journal articles compare with other types of copyrightable creative work?**

- Neither journal article authors nor the peer reviewers receive payment for their contributions, yet this is where the value is created
- Whose interests are observed when access to science and other research is limited?
- How much sense does the current system make in the context of a *public* research university, where research is funded by taxpayers?



## **Open Access**



Free access to scholarly documents  
(papers, proceedings, slides, preprints,  
etc.) over the Internet

# Open Access Value

## Increased Citations

“We analysed 119,924 conference articles in computer science and related disciplines ....

“The mean number of citations to offline articles is 2.74, and the mean number of citations to online articles is 7.03, an increase of 157%.”

Lawrence, S., Free online availability substantially increases a paper's impact,  
*Nature*, 31 May 2001.

<http://www.nature.com/nature/debates/e-access/Articles/lawrence.html>

# Open Access Value

## Increased Citations

“We are carrying out a much larger study . . . .

“[I]nitial results, for the field of physics, show Open Access articles being cited 2.5 to 5 times more than articles that users' institutions must pay to access online, with this advantage peaking within about 3 years of an article's publication.”

Harnad, S., Brody, T., Vallieres, F., Carr, L., Hitchcock, S., Gingras, Y., Oppenheim, C., Stamerjohanns, H. and Hilf, E. ., The green and the gold roads to Open Access, *Nature*, Web Focus: access to the literature, May 17, 2004

# Open Access Value

## Increased Citations

“Although the reasons why there is a citation advantage for OA articles still has not been satisfactorily explained, it is clear that the advantage exists and occurs regularly across a range of subject areas..”

Norris, M, Oppenheim C, Rowland F. (2008)\_The citation advantage of open-access articles. *Journal of the American Society for Information Science and Technology* 59(12) 1963–72.

# Open Access Value

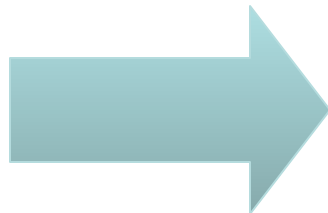
## Broader Audience and New Opportunities

“Self-archiving in the PhilSci Archive has given instant world-wide visibility to my work. As a result, I was invited to submit papers to refereed international conferences/journals and got them accepted.”

Swan, Alma. 2008. “Reasons Researchers Really Rate Repositories.” *Optimal Scholarship*  
<http://optimalscholarship.blogspot.com/2008/10/reasons-researchers-really-rate.html>

# Open Access Value

Increased Citations  
Broader Audience



Greater Research  
Impact

# Open Access Mandates

- National Institutes of Health
- Harvard University faculties
- MIT

How far reaching are the effects of mandates?



# Two Paths to Open Access

## Open-Access Archiving

The author takes initiative to place the electronic publication in a publicly accessible part of Internet.

## Open-Access Publication

The author publishes in a venue that does not pass the publication expense on to the reader or his institution in the form of an access toll

# **Self-Archiving**

**(Articles on Web, Available for Free)**

- Your Web site
- Your faculty page
- Your department or research center's page
- A central, or subject-based, repository
- Your university's repository

# Other Repositories of Open Access Scholarship

## Subject-Based Repositories

- **Chemical Physics in arXiv**  
(<http://arxiv.org/list/physics.chem-ph/recent>)
- **PubMed Central** — Life Sciences  
(<http://www.pubmedcentral.nih.gov/>)
- **E-LIS** — Library and Information Science  
(<http://eprints.rclis.org/>)
- **RePEc** — Economics (<http://repec.org/>)

# Better Yet ...

The image shows a screenshot of a Mozilla Firefox browser window displaying Google Scholar search results. The browser's address bar shows the URL: [. The search bar contains the text "knovel \"engineering libraries\"".](http://scholar.google.com/scholar?hl=en&lr=&q=knovel+\)

The search results are displayed under the heading "Scholar All articles - [Recent articles](#)". The results show two entries:

- [Springer Handbook of Nanotechnology](#)  
B Bhushan, Knovel (Firm) - 2007 - springer.com  
... refining industry, edited by chemical engineers with long oil-industry experience and expertise 7 A must for academic chemical **engineering libraries**, as well ...  
[Cited by 204](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [More Services at Purdue](#) - [Library Search](#) - [All 6 versions](#)
- [Vendor partnerships with \*\*engineering libraries\*\* partnering with \*\*Knovel\*\*: case studies in information ...](#)  
J Bhatt, WC Paulsen, LG Dunn, AS Van Epps - 2005 - eprints.rclis.org  
... The focus of this paper is a case study model that shows how a sci-tech e-book vendor, **Knovel Corporation**, partners with **engineering libraries** at several ...  
[Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 8 versions](#)

A red rectangular box highlights the link [rclis.org](#) [PDF] in the second search result.

# Open-Access Publication

## Publication-side Funding

- Fee paid by funder of the research, by the department, by the author him or herself; cost subsidized by the publisher; etc.

## The Purdue University Press publishes some journals like this

- <http://docs.lib.purdue.edu/thepress/>

## There are over 3,850 journals of this type in the Directory of Open Access Journals

- <http://www.doaj.org/>

**PURDUE**

UNIVERSITY

**LIBRARIES**

*Access. Knowledge. Success.*

# **Open-Access Journals & The Purdue University Press**

# **More Purdue Libraries Support for Open Access?**

Yes, the Purdue libraries have established an open access distributed digital repository.

# **Distributed Institutional Repository (e-Scholar)**

e-Archives	electronic extension of the university archives
e-Data	for serving data-specific needs
e-Pubs	access to and preservation of scholarly



# Purdue e-Pubs

([docs.lib.purdue.edu](https://docs.lib.purdue.edu))

To **collect, preserve, and provide access** to the scholarly products of Purdue University.

Achieved in collaboration with

- Content providers (researchers, authors)
- Subject–specialist librarians
- Departmental personnel
- Repository manager

# Purdue e-Pubs

([docs.lib.purdue.edu](http://docs.lib.purdue.edu))

To take advantage of institutional repositories such as e-Pubs, authors must assert intellectual property rights

- Copyright Transfer and Nonexclusive Licenses
- CIC Author Addendum  
<http://www.cic.net/Libraries/Library/authorsrights.sflb>
- SHERPA/RoMEO database  
(<http://www.sherpa.ac.uk/romeo/>)

# Finding Open Access Scholarship

- **OAlster**
  - “OAlster currently provides access to 18,362,804 records from 1035 contributors”
- **Directory of Open Access Journals (DOAJ)**
  - Not just a directory. You can search contents of many of the journals
- **Registry of Open Access Repositories (ROAR)**
  - Both content and repository search
- **Google Scholar / Google**

# **Evaluating Open Access Scholarship**

**Availability does not affect core criteria:**

- Credibility of the Author
- Validity of the Methodology
- Rigor of the Peer-Review

*Access. Knowledge. Success.*

## More Information

·Purdue's Scholarly Communication News

(<http://scholarly.lib.purdue.edu/blog/>)

·Open Access News (<http://www.earlham.edu/~peters/fos/fosblog.html>)

·SPARC (<http://www.arl.org/sparc/>)

·SPARC-OAForum mailing list (<https://arl.org/lists/sparc-oaforum/>)

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