Find, Cite, Publish - and get evaluated

Patrick Danowski
IST Austria

Search

Databases you know?

Databases

- Google
- Google Scholar
- PubMed
- Microsoft Academic
- SPIRE
- ....

PubMed

Software Solutions

- Endnote
- Zotero
- Mendeley
- Papers
- Citavi
- Sente
- JabRef

Example Zotero

- Free Plug-in for Firefox
- Independent Application in Development (Alpha Version)
- Organize PDFs
- Lots of Citation Styles

Example Zotero

Citing Papers

Re-Reading

Publishing

Formatting Paper

Author-Contract

Open Access

Situation

- Scientists write papers
- Scientists peer review papers
- Publisher “print” papers
- Scientists/library pay publisher to read papers
- Prices for journals increase rapidly

Open Access

- Green Road: Scientists store private copy on private or institutional page (Selfarchiving)
- Golden Road: Journal is free accessible (e.g. PLoS Journals, BMC), Author pays (Open Access Journals)
Why should you care?

- Studies: Open Access Articles getting more often cited =>
- More people read your papers

OA @ IST

- Open Access Policy 2012
- Library will support you

Author contracts

- Read what you sign!
- If possible: don’t give all rights away
- Keep right for second publication (personal webpage, institution repository, subject repository)
- Contracts are negotiable

Evaluation

Goal: Measure the Quality of Science

Measurements

- Impact Factor
- Total Citations
- h-index
Impact Factor

- Developed by Eugene Garfield (ISI)
- Average citations an article in a journal got in the last 2 years

Nature: 34,480
Cell: 31,152
PLoS Biology: 12,916
ACM Computing Surveys: 7,667
PLoS ONE: 4,351

Citations

- amount of citations all your papers got (source most time Web of Science)
- Problems:
  - Selfcitations:
    - Index without selfcitations
  - One high cited paper is enough
  - h-index

h-index

- Goal: measurement of quality over time
- x papers have at minimum x citations
- 30 papers have at minimum 30 citations
- Problems:
  - new researchers have always a small number
  - differences in research fields

Example

100 citations in 2 year
nature
Impact factor: 34.08

109 citation
21.8 citation / article
h-index: 2
110 citation
22 citation / article
h-index: 3

Web of Science
http://apps.isiknowledge.com/

Scopus
http://www.scopus.org