

# An excursus to Google Scholar

#### How deep does this search engine dig?

## Background

- Launch November 2004, Beta
- Interesting approach: Autonomous Citation Indexing (ACI) and citation analysis
- Size, coverage and actuality are unknown

# Study

Querying complete journals lists

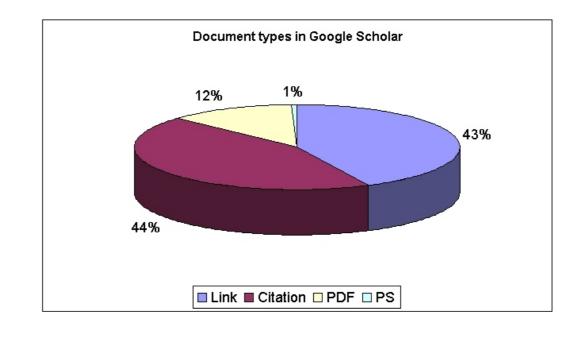
- ISI Journals (10.684 titles)
- DOAJ Journals (1.423 titles)
- IZ / SOLIS Journals (324 titles)

| Scholar   | Results 1 - 100 of about 2,510 for allintitle: "digital library". (0.20 second   |
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| Dich interaction in th  | oo digital library   |
| Rich interaction in th  | IA Hearst, JD Mackinlay, SK Communications of the ACM, 1995 - portal.acm.org   |
|   | v Categories are the correlates of physi- cal file folders or  |
|   | text, perhaps a subject-based categorization system  |
| Cited by 107 - Web Sea  | arch - dewey.yonsei.ac.kr - ischool.utexas.edu - cs.chalmers.se - all 7 versions » - TUM SFX   |
| Annotation: From Pa   | aper Books to <b>Digital Library</b>   |
| CC Marshall - ACM DL,   |  |
|   | m paper books to the <b>digital library</b> KEYWORDS: Annotation,  |
|   | I library reading tools, annotation systems design   |
| Cited by 86 - Web Sear  | ch - csdl.tamu.edu - m3.uv.es - ils.unc.edu - all 10 versions »  |
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| The Stanford <b>Digita</b>  | I Library Metadata Architecture  |
|   | I Library Metadata Architecture Chang I Gravano A Paencke - Int. J. on Digital Libraries, 1997 - Springerlink com  |
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### Analyses

- Journal coverage
- Distribution of document types
- Webserver coverage
- Size estimation
- Recall test

| List       | Little | Match & Hit | no Match    | no Hit     |
|------------|--------|-------------|-------------|------------|
| IZ (Solis) | 324    | 228 (0.70)  | 89 (0.27)   | 20 (0.06)  |
| DOAJ       | 1423   | 1078 (0.76) | 337 (0.24)  | 221 (0.16) |
| ISI        | 10684  | 8931 (0.84) | 1714 (0.16) | 401 (0.04) |
|            |        |             |             |            |



| AACNSCIACI                     | 1 Abe           | rrequency |
|--------------------------------|-----------------|-----------|
| ncbi.nlm.nih.gov               | Digital Library | 150616    |
| ingenta.com                    | Publisher       | 68925     |
| csa.com                        | Publisher       | 54652     |
| ingentaconnect.com             | Publisher       | 52051     |
| springerlink.com               | Publisher       | 21114     |
| doi.wiley.com                  | Publisher       | 19280     |
| kluweronline.com               | Publisher       | 18196     |
| adsabs.harvard.edu             | Digital Library | 16381     |
|                                | Publisher,      |           |
| portal.acm.org                 | Digital Library | 15280     |
| blackwell-synergy.com          | Publisher       | 14216     |
| dx.doi.org                     | Linkresolver    | 13697     |
| -                              |                 |           |
| taylorandfrancis.metapress.com | Publisher       | 13221     |
| ideas.repec.org                | Digital Library | 7681      |
| ·                              | Publisher,      |           |
| ieeexplore.ieee.org            | Digital Library | 6405      |
| journals.cambridge.org         | Publisher       | 5379      |
| nature.com                     | Publisher       | 4680      |
| content.karger.com             | Publisher       | 4219      |
| muse.jhu.edu                   | Digital Library | 3944      |
| link.aip.org                   | Digital Library | 3602      |
| pubmedcentral.nih.gov          | OA fulltext     | 3377      |
| extenza-eps.com                | Publisher       | 3303      |
| papers.ssrn.com                | Digital Library | 3271      |
| iop.org                        | Digital Library | 2259      |
| arxiv.org                      | OA fulltext     | 2076      |
| leaonline.com                  | Publisher       | 1838      |

#### Results

- Majority of journal title matches
- Bad Open Access coverage
- About 8.000.000 documents
- No actualization, no broad coverage of large servers
- Non scientific content

#### Conclusions

- A good prototype with some annoying characteristics
- No substitute for tradtional databases
- Potential in ACI and citations analysis
- OA search engine and WoS alternative

