Next Generation Bibliometrics and the Evolution of the ESO Telescope Bibliography

European Southern Observatory Library
C. Erdmann & U. Grothkopf
Then and Now

Development stages of the ESO Telescope Bibliography (telbib)

Excel → VB/Sybase → PHP/Sybase → Drupal/MySQL

Dark Ages → telbib 1.0 → telbib 2.0 → telbib 3.0

pre 2003 → 2003-2006 → 2006-current → in development
Current Bibliography : telbib 2.0

Metadata retrieved from ADS:

- Bibcode
- Title
- Journal
- Volume
- Pages
- Publication Month
- Publication Year
- URL
- Author
- Affiliation
- Citation Count/History (h-Index)

Metadata added by ESO:

- Primary Author
- Author Site
- Author Country
- Instrument
- Program (Mode, Part, Type)
- Staff Comment/Note
- Refereed
### telbib 2.0

#### Search telbib

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**Search Statistics:**
- Total Records: 106
- Citations Total: 4642
- Average: 36.03
- Max: 212
- Median: 17.5
- Std. Dev.: 27.42
- H-index: 37

* For H-index, click on the Citations link.
* To see updated data after Update Citations, click on the Edit-Search button and resubmit your search (to refresh).
Driving Factors for Change

- Statistical needs
  - Management
  - Library
- Share & gather more metadata
- New technologies
- Greater flexibility and control
Future Bibliography: telbib 3.0

Import all available metadata from ADS:

- Abstract
- Paper Full-text (hidden)
- Read Count/History
- Subject/Keyword
- References/Citations (ESO related)
- Deep Citation Count
- All Available Links
- Origin
- DOI/ePrint ID
- Journal Information

New ESO metadata added:

- Author Self Citation
- Notification/Credit
- Program Tags
- Press Release
- Help/Cookbook
- Page Charges
- Advanced Commenting
- Journal Information
- Member State Info
Import metadata from new sources
- arXiv, Citebase -> Downloads/Reads
- CosmoCoffee, Google -> Paper Popularity

Control, flexibility & sharing!
Do it with Drupal:
- CRUD! (Create, Read, Update, Delete)
- Taxonomy Manager (tagging)
- OAI-PMH (sharing)
- User Management (access)

... and many more options which used to be in the hands of programmers!
telbib 3.0
Full-text Search (FUSE)
Current Query

User: Uta
Query Date: 2009-07-09 14:09:26
Query Link: http://esoads.eso.org/cgi-bin/nph-obs_connect?db_k...
Notes: select 17/4/09 - before 24/4/09 (271 records)
Records Searched: 4
Keywords found: 104

View Search Log

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| 6023 | Yes | Not Included | 2009icar..261..172L
Laver, Conor
The global distribution of sulfur dioxide ice on Io, observed with OSIRIS on the W.M. Keck telescope

"Such as the Integral Field Spectrometers SINFONI at the VLT, and OSIRIS at the W.M. Keck. Observations of the Sun published on the ISAAC website, 2 and then convolved it to the OSIRIS spa"
"gral Field Spectrometers SINFONI at the VLT, and OSIRIS at the W.M. Keck Observatory. These are...
Foster Collaboration

🌟 Work together (libraries and publishers)

🌟 Contact library@eso.org

🌟 Questions?