

JPL

Jet Propulsion Laboratory
California Institute of Technology

JPL Authors Database

National Research Libraries Alliance

July 27, 2006



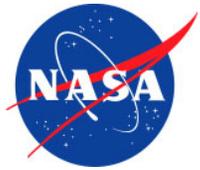
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B. Amago

CL#06-1934



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Summary

- Background
- Goals
- Implementation
- Uses
- Future Development



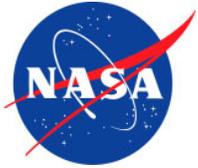
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Background

- Research Metrics (individuals and organizations)
- Engineering & Science Directorate contract with SRI
- What to do with ISI data?



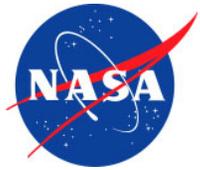
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Goals

Provide a comprehensive bibliographic database of JPL-authored external documents, including articles and other publications, that meets the requirements of Document Review, the JPL Library, JPL authors and their organizations, and other researchers, inside and outside JPL, who need to identify JPL experts and/or JPL externally published materials.



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Implementation

- Received data from JPL Engineering Div
- Collected more data from 6 other sources
- Got server and funding for COTS
- Created RFQ
- Finalists: SydneyPlus and Cuadra STAR
- Installation, data conversion, updates
- Annual, quarterly updates, maintenance



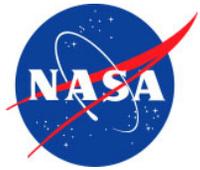
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Capabilities

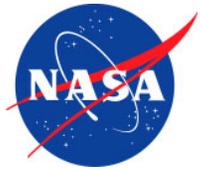
Database capabilities include:

- WebOPAC

<http://jplauthors.jpl.nasa.gov>

- Graphical User Interface for detailed reporting and metrics, updating records
- Utility for loading records and deduping them and linking to HR data
- Links to full-text documents in their final published version (via Crossref)





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Uses

- Metrics
 - Top authors
 - Top organizations
 - Project metrics
 - ID customers
 - Top JPL journals



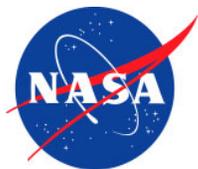
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Metrics Report

Total JPL Publications: 2000 - 2004

Year of publication:	2000	2001	2002	2003	2004
Conference Papers	701	641	537	513	429
Journal Articles	777	723	879	868	944
Other	19	12	10	11	5
Grand Total	1497	1376	1426	1392	1378



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Other Metrics

- Numbers of pubs by organization
- Citation reports
- Top journals, conferences
- Collaboration



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Future Plans

- More frequent updates
- Cross database search, JPL Authors DB and JPL Technical Report Server
- Match titles reviewed and cleared, externally published (JAD), and posted to e-print server (JPL Technical Report Server)



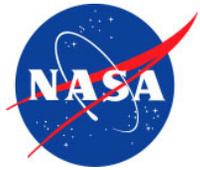
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What Does the Future Hold?

- Effects of Federal Research Public Access Act of 2006?
- Authors self-posting?
- Hosting dSpace communities?



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