ADS Update

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AAHEP7

Present and Near Future

- Launch of "ADS 2.0" in January 2014

- IT Infrastructure

- User Database and Personalization

- Content Updates

- Projects & Collaborations

ADS 2.0

- Integrated metadata and full-text search

- Rank by relevance, pubdate, citations, popularity

- See search terms in context

- Filter results via facets

- Explore visualizations of author, citations network, word clouds, astronomical objects

- Compute metrics on any result set

ads labs
NASA

🏠 Home   🔍 Search   ✉ Feedback   ⊙ Help

👤 Log in / Sign up
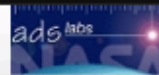
Author   First Author   Title   Year   Publication   Fulltext   Object

citations(author:"huchra, john") "redshift survey"

➕ options   🔍 Search

⚙ ▾

Trending   Useful   Instructive   Examples

Limit your search

Database : astronomy ⊗   Clear all

> **Top papers**

⌄ **Authors**   apply ▾

> ☐ Huchra, J (139)
> ☐ Geller, M (126)
> ☐ Lahav, O (116)
> ☐ Frenk, C (114)
> ☐ Strauss, M (96)

more...

> **Database**

> **Keywords**

> **Publications**

> **Refereed status**

> **Bib Groups**

> **Grants**

> **Data**

> **Vizier Tables**

⌄ **Publication Year**

from 1978 to 2013 apply

☑   ‹ Previous | 1 to 20 of 4451 | Next ›   🔧 Analyze ▾   🖼 View ▾   ⊞ Export ▾   ⤭ Sort ▾

☐ 1. 1996ApJ...470..172S   Cited by 442   [F G   X D   R C S N   ]
The Las Campanas Redshift Survey
Shectman, Stephen A.; Landy, Stephen D.; Oemler, Augustus; Tucker, Douglas L. *and 3 coauthors*
Published in Oct 1996
... each 1.5^deg^ x 80^deg^, three each in the north and south Galactic caps. The median *redshift* in the *survey* ...
... The Las Campanas *Redshift Survey* (LCRS) consists of 26,418 redshifts of galaxies selected ...
... The median *redshift* in the *survey* is about 30,000 km 5 ~ ~. Essential features of the galaxy selection ...
... 1986 and Geller & Huchra 1989 ; for the Southern Sky *Redshift Survey,* see da Costa et al. 1994a). ...

☐ 2. 2002MNRAS.330..531T   Cited by 8   [F G   X   R C   ]
Topology of the Las Campanas Redshift Survey
Trac, Hy; Mitsouras, Dimitris; Hickson, Paul; Brandenberger, Robert
Published in Mar 2002
... The topology of the Las Campanas *Redshift Survey* is analysed using Minkowski functional statistics, ...
... Digital Sky Survey (SDSS) *redshift survey* is indistinguishable from that of a Gaussian distribution (Colley et al. 2000). ...
... the important selection effects), finding evidence for filamentary. The deepest wide-field *redshift survey* ...
... is obtained. Direct comparisons between galaxy *redshift surveys* and cosmological simulations of structure formation ...

☐ 3. 1998AJ....116....1D   Cited by 131   [E F   X D   R C S N   ]
The Southern Sky Redshift Survey
da Costa, L. Nicolaci; Willmer, C. N. A.; Pellegrini, P. S.; Chaves, O. L. *and 10 coauthors*
Published in Jul 1998
... at the isophotal level ~26 mag arcsec^-2. The precision of the radial velocities is ~40 km s^-1, and the *redshift* ...
... *survey* is more than 99% complete to the m_SSRS2 = 15.5 mag limit. This sample is in the direction ...
... complete slice of the CfA2 *redshift survey* (de Lapparent, Geller, Huchra 1986) soon produced striking ...
... et al. 1986). Later, the diameter-limited Southern Sky *Redshift Survey* (SSRS; da Costa et al. 1988) ...

☐ 4. 1991ApJ...382...44V   Cited by 52   [F G   R C   ]
Void Statistics of the CfA Redshift Survey
Vogeley, Michael S.; Geller, Margaret J.; Huchra, John P.;
Published in Nov 1991
... We study clustering properties of two samples from the CfA *redshift survey* each containing ~ 2500 ...
... of two samples from the CfA *redshift survey* each containing `~ 2500 galaxies. Comparison of the velocity ...
... and for small, distance-limited subsamples of the CfA *redshift survey* (Hamilton, Saslaw, & Thuan 1985 ...
... this region in some of our analysis (~ 8). We also examine the CfA *redshift survey* complete to mB «= 14 ...

☐ 5. 1988ASPC....5...41H   Cited by 2   [F G   T R C   ]
Redshift surveys and the description of clustering in the universe.
Huchra, J. P.;
Published in 1988
... results from the first CfA *redshift survey.* ...
... This has been brought about by extensive new *redshift surveys* of galaxies and clusters of galaxies. Here the author ...
... reviews some of this work, in particular *redshift surveys* in progress at the CfA. Topics include voids, ...
... of the statistical properties of galaxy clustering, and spectroscopic results from the first CfA *redshift survey.* I. ...

☐ 6. 1984AJ....89..310G   Cited by 20   [F G   R C S N   ]

Feedback
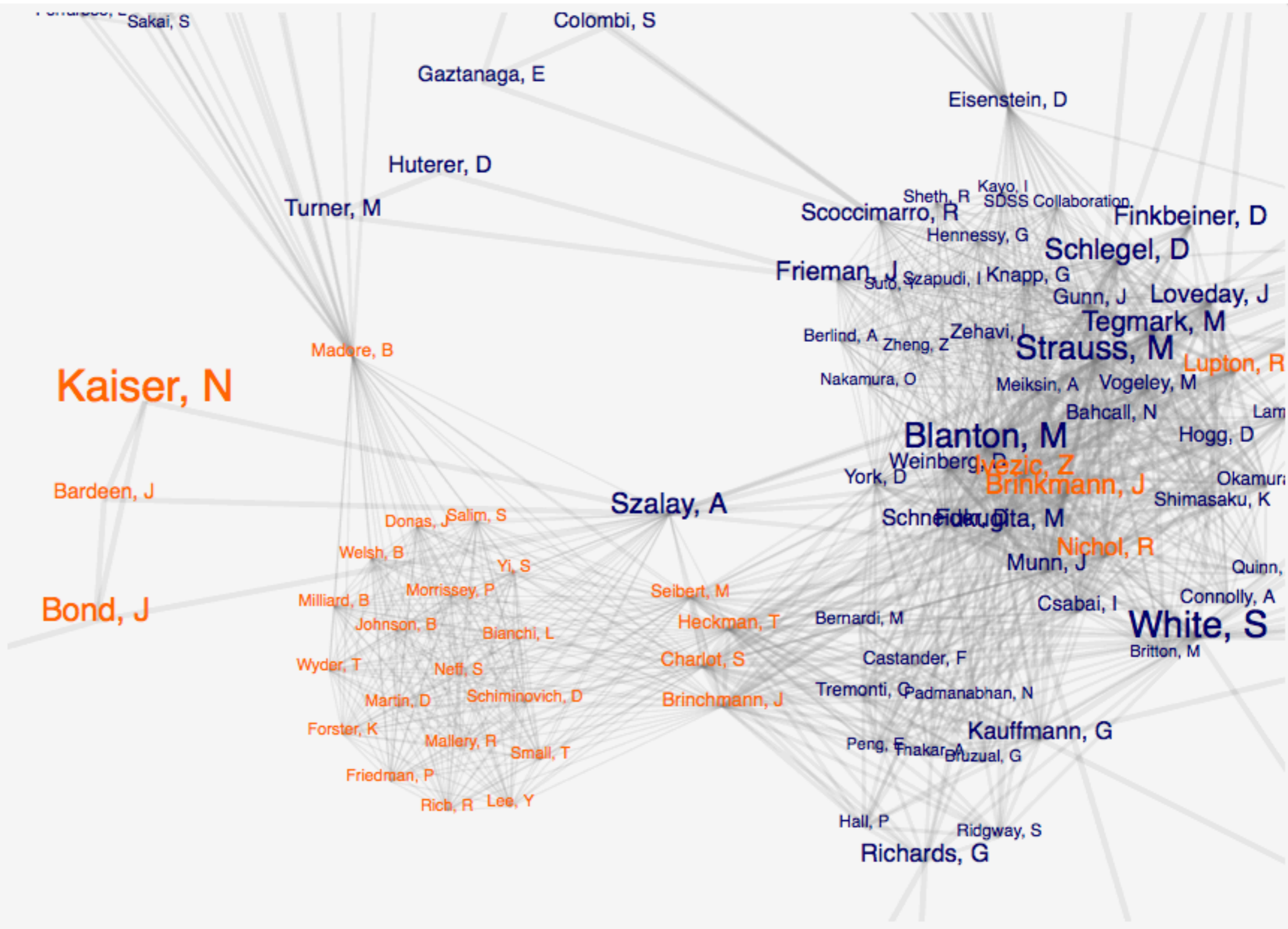
Papers		Totals	Refereed
Number of papers	[?]	300	243
Normalized paper count	[?]	108.3	77.4
Total reads	[?]	122620	119922
Average reads	[?]	408.7	493.5
Median reads	[?]	265.5	324.0
Total downloads	[?]	66951	65824
Average downloads	[?]	223.2	270.9
Median downloads	[?]	131.0	173.0

Citations		Total	Refereed
Number of citing papers	[?]	8582	7293
Total citations	[?]	17381	17199
Average citations	[?]	57.9	70.8
Median citations	[?]	27.0	39.0
Normalized citations	[?]	3893.6	3820.0
Refereed citations	[?]	15178	15027
Average refereed citations	[?]	50.6	61.8
Median refereed citations	[?]	24.0	34.0
Normalized refereed citations	[?]	3412.6	3348.8

Indices		Total	Refereed
h-index	[?]	73	73
g-index	[?]	122	122
i10-index	[?]	214	210
i100-index	[?]	54	54
tori index	[?]	105.5	103.2
riq index	[?]	331.0	327.0
read10-index	[?]	522	483

Export to xls

Publications per year
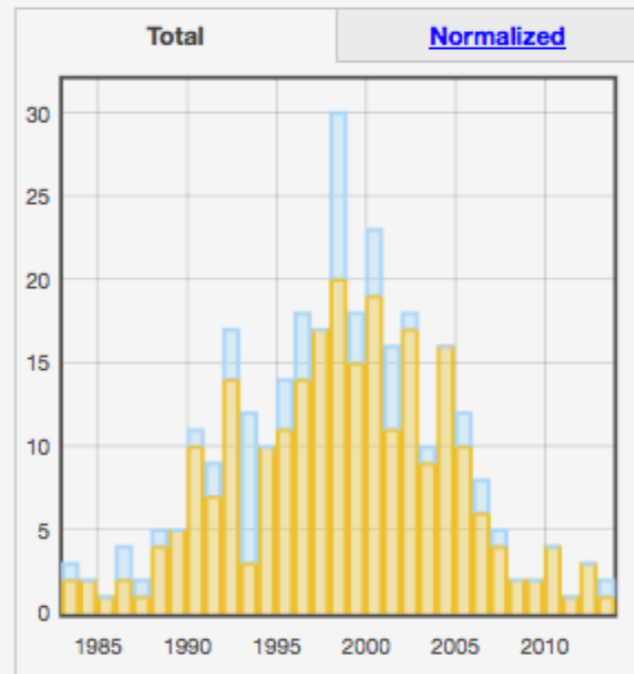
Total   Normalized

Refereed
Not Refereed

View as Histogram   Size Default

Reads per year

Total   Normalized

Refereed
Not Refereed

View as Histogram   Size Default
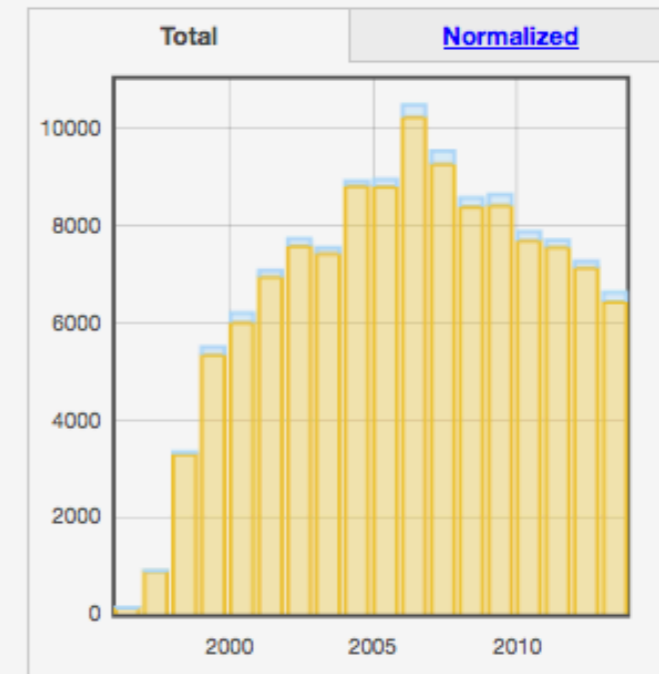
Citations per year

Total   Normalized
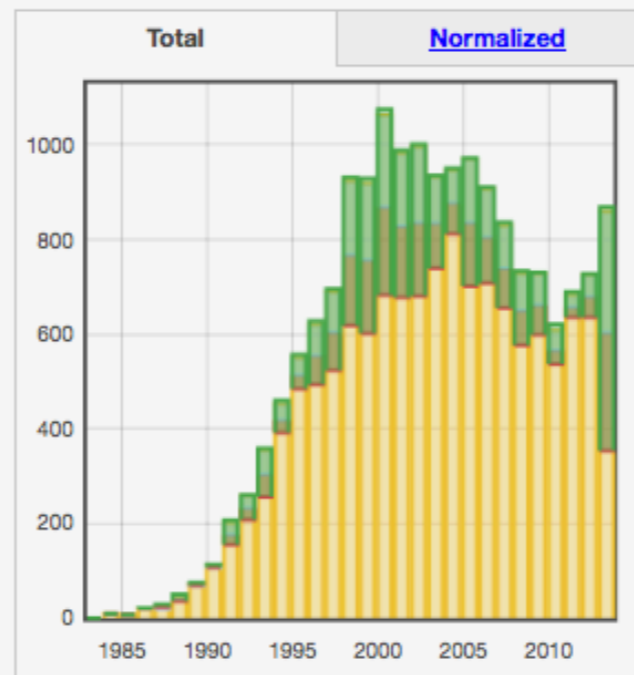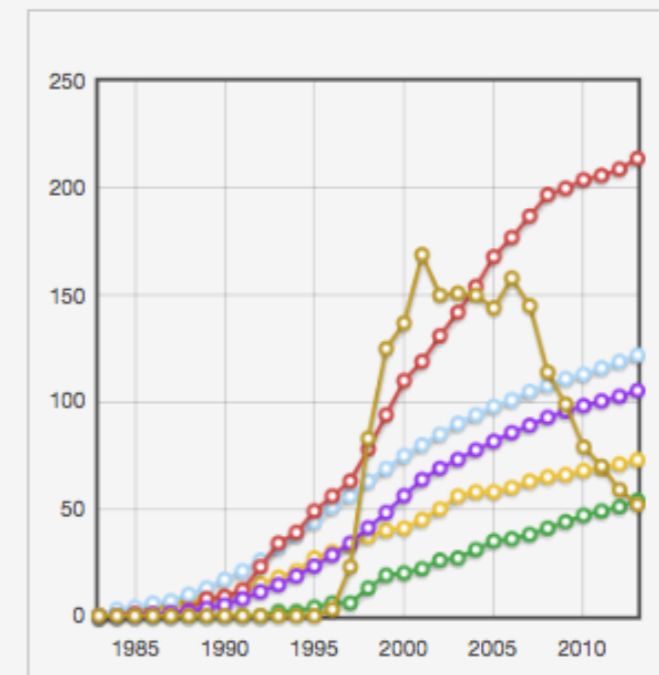

Ref. citations to ref. papers
Ref. citations to non ref. papers
Non ref. citations to ref. papers
Non ref. citations to non ref. papers

View as Histogram   Size Default

Indices

h-index
g-index
i10-index
i100-index
tori-index
read10-index

IT Infrastructure

- Seriously considering cloud-based services to support main ADS website

- Back-end components being rearranged and evolving: Invenio, MongoDB, SOLR

- Still relying on ADS "Classic" data ingest pipeline and curation

- Work continues on Search and UI:

  ▸ Implement external search (for object names), and incorporate external facets (objects, data)

  ▸ Enhance ADS personal library interface and functionality (bookmarking, tagging, annotating)

  ▸ Decouple UI components, update page layout

ADS Personalization

- User Database: needs to be upgraded to support persistent identities, interoperate with other systems (arXiv, ORCID)

- ADS 2.0 features upgraded personal libraries supporting a collaborative model

- Users and Groups: support sharing of bookmarks, comments with collaborators

- Tags: assign label and comments to papers for quick classification and retrieval

- Annotations: save free-text notes associated with a paper

Content Updates

- ADS now indexes 10.2M metadata records (10.8M sources)

- Its citations database contains 70M records

- ADS indexing full-text of all the major Astronomy journals and physics content from arXiv, Elsevier, Springer, EDP Sciences, APS, AGU, **AIP, SPIE.** Hopefully soon: **IOP**, OSA, OUP, CUP, Nature, Science, PNAS

- Currently over **3.6M** records in fulltext archive, looking to grow to cover all peer-reviewed content currently in ADS

- Added metadata for 1,100 volumes of historical literature funded by Smithsonian grant

Projects & Collaborations

- Unified Astronomy Thesaurus (AAS/CfA/IVOA)

- ADS All-Sky Survey (Seamless Astronomy)

- Astronomy Source Code Library entries in ADS

- Concept Extraction (ScienceWise)

- Topic Models (UMass Amherst)

- Annotations (MGH MIND group)