astrophysics data system

Alberto Accomazzi & the ADS Team
@aaccomazzi | *@adsabs*

AAS 231 - 8-12 Jan 2018

astrophysics data system

Don’t Panic!

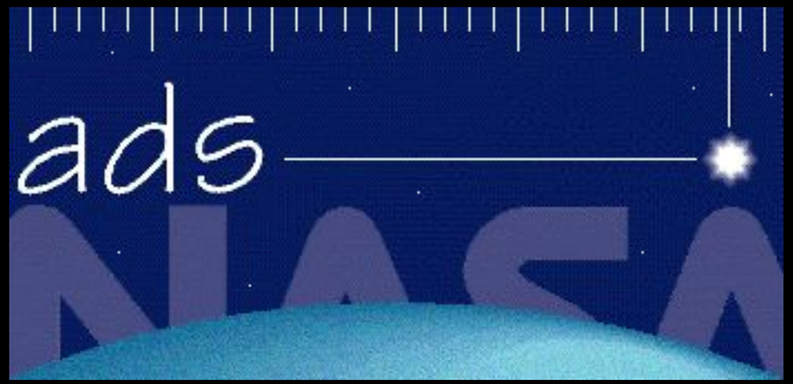
astrophysics data system

Don’t Panic!

…or how to survive the transition from ADS Classic to Bumblebee

Whaaaat?

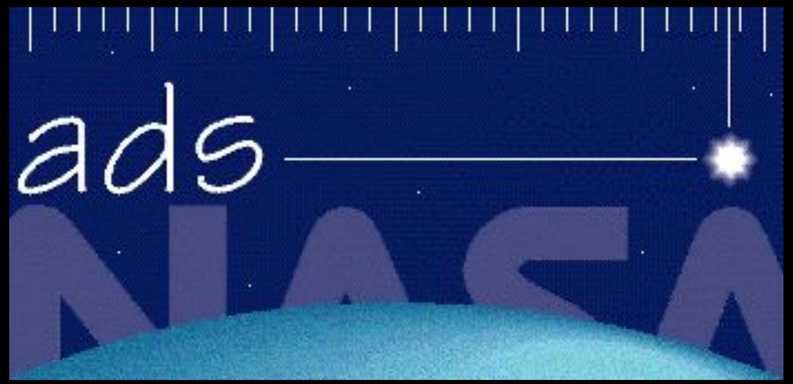
Whaaaat?



ADS (Classic) is going away

- Old technology hard to maintain
- Not compliant with current standards
- Drain on resources, prevents innovation

Whaaaat?



ADS (Classic) is going away

- Old technology hard to maintain
- Not compliant with current standards
- Drain on resources, prevents innovation

Long live ADS (Bumblebee)!

- New interface is up and running
- Has the same content as ADS Classic
- Provides more functionality & features

Why?

Why?

Legacy

ADS Classic is over 20 years old, custom-built system predating Google, current web standards

Why?

Legacy

ADS Classic is over 20 years old, custom-built system predating Google, current web standards

Technology

400K lines of undocumented code, does not use state of the art search technology

Why?

Legacy

ADS Classic is over 20 years old, custom-built system predating Google, current web standards

Technology

400K lines of undocumented code, does not use state of the art search technology

Features

ADS Classic only indexes basic article metadata, not its contents (fulltext, graphics, data)

Who?

Who?

Lineage

ADS Bumblebee uses the same data as Classic, wrapped in a new package

Who?

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ADS Bumblebee uses the same data as Classic, wrapped in a new package

Technology

State of the art search, modern user interface, hosted in the cloud

Who?

Lineage

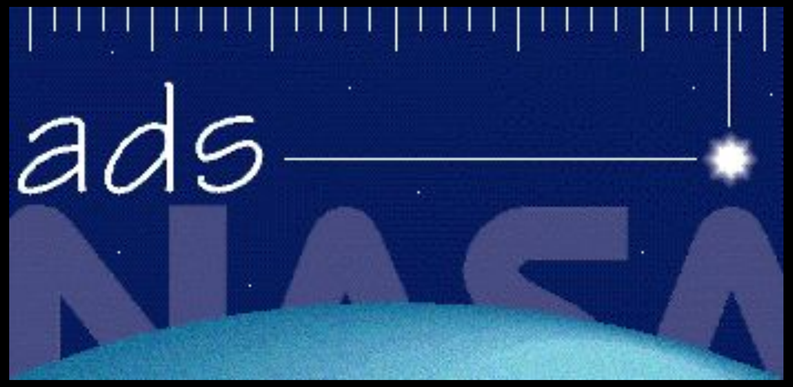
ADS Bumblebee uses the same data as Classic, wrapped in a new package

Technology

State of the art search, modern user interface, hosted in the cloud

Features

Search and filter, visualize results, compute metrics, claim papers via ORCID

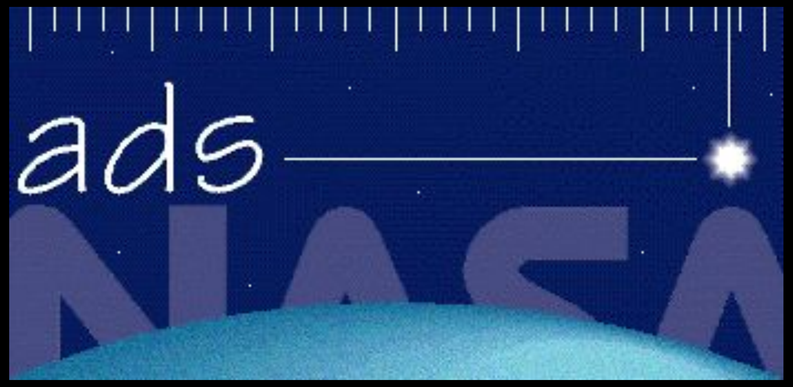


When?

When?

April 2018

All functionality and content of ADS Classic available in ADS Bumblebee



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October 2018

Use of ADS Classic discouraged in favor of Bumblebee

When?

April 2018

All functionality and content of ADS Classic available in ADS Bumblebee

October 2018

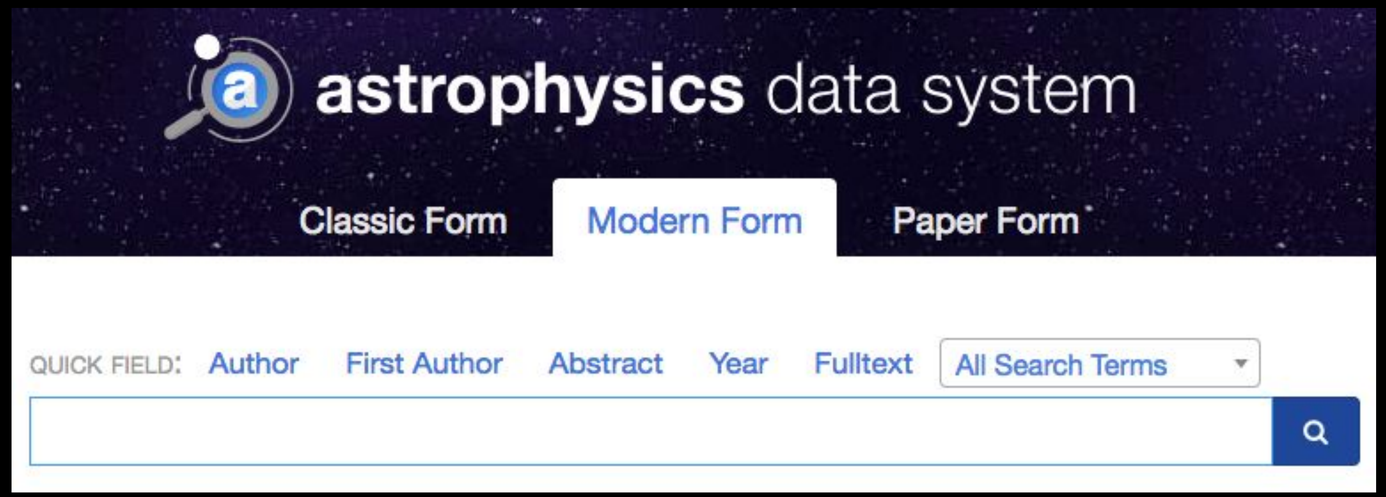
Use of ADS Classic discouraged in favor of Bumblebee

April 2019

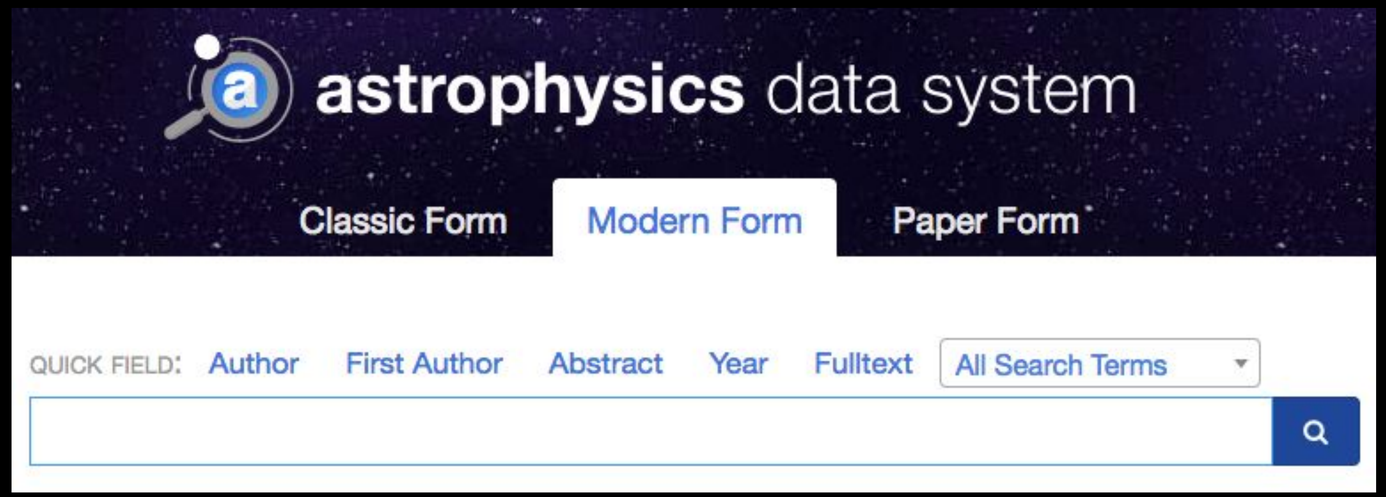
ADS Classic search discontinued, redirected to Bumblebee

Where?

Where?


astrophysics data system
Classic Form
Modern Form
Paper Form
QUICK FIELD:
Author
First Author
Abstract
Year
Fulltext
All Search Terms

Where?



https://ui.adsabs.harvard.edu

Simple Search

Simple Search

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The SAO/NASA Astrophysics Data System

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Welcome to the Digital Library for Physics and Astronomy

This site is hosted by the
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Harvard-Smithsonian Center for Astrophysics

The SAO/NASA Astrophysics Data System (ADS) is a Digital Library portal for researchers in Astronomy and Physics, operated by the Smithsonian Astrophysical Observatory (SAO) under a NASA grant. The ADS maintains three bibliographic databases containing more than 13.4 million records covering publications in Astronomy and Astrophysics, Physics, and the arXiv e-prints. Abstracts and full-text of major astronomy and physics publications are indexed and searchable through the new ADS "Bumblebee" interface as well as the traditional "Classic" search forms. A set of browsable interfaces are also available.

In addition to maintaining its bibliographic corpus, the ADS tracks citations and usage of its records to provide advanced discovery and evaluation capabilities. Integrated in its databases, the ADS provides access and pointers to a wealth of external resources, including electronic articles available from publisher's websites, astronomical object information, data catalogs and data sets hosted by external archives. We currently have links to over 13.2 million records maintained by our collaborators.

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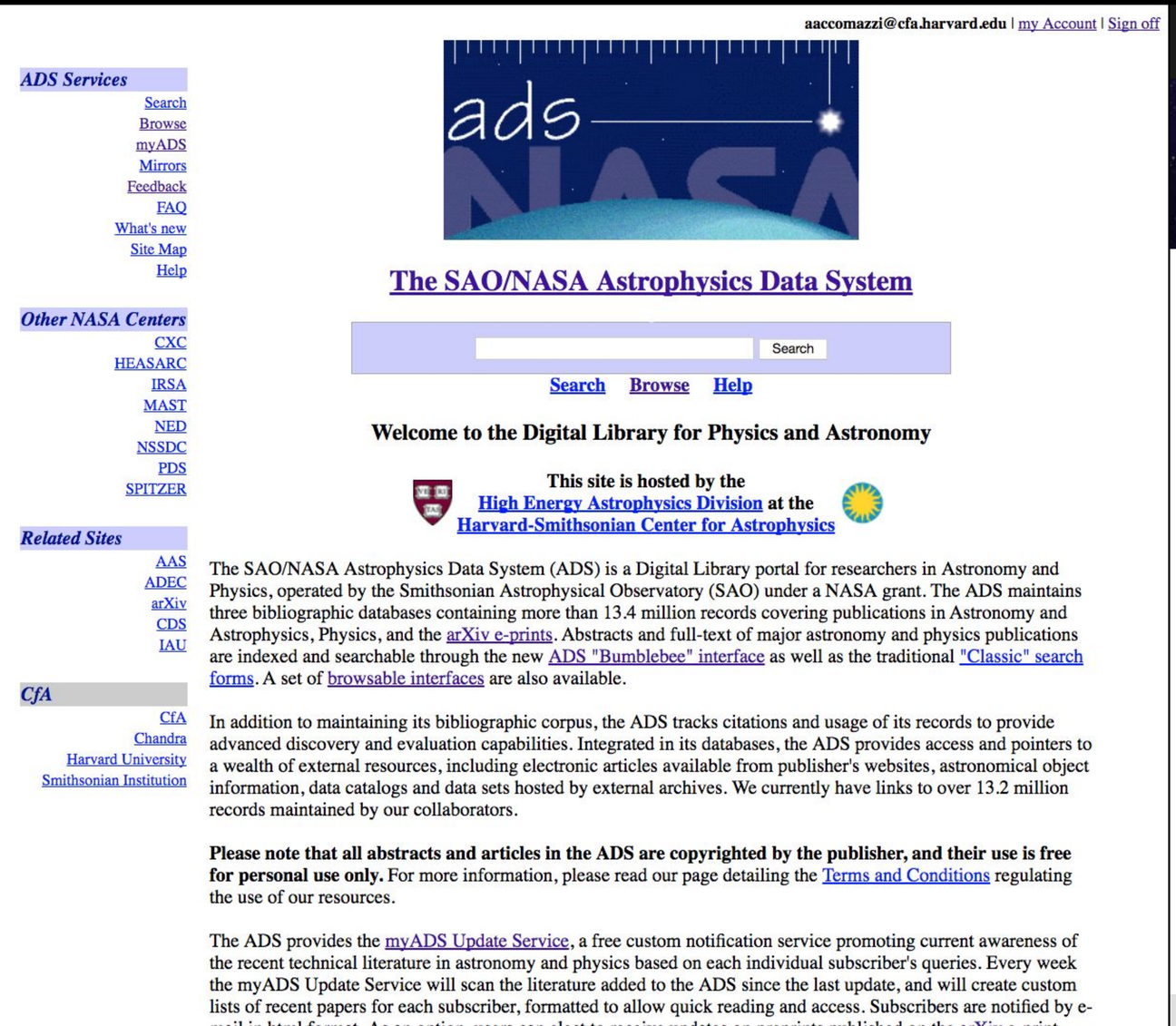
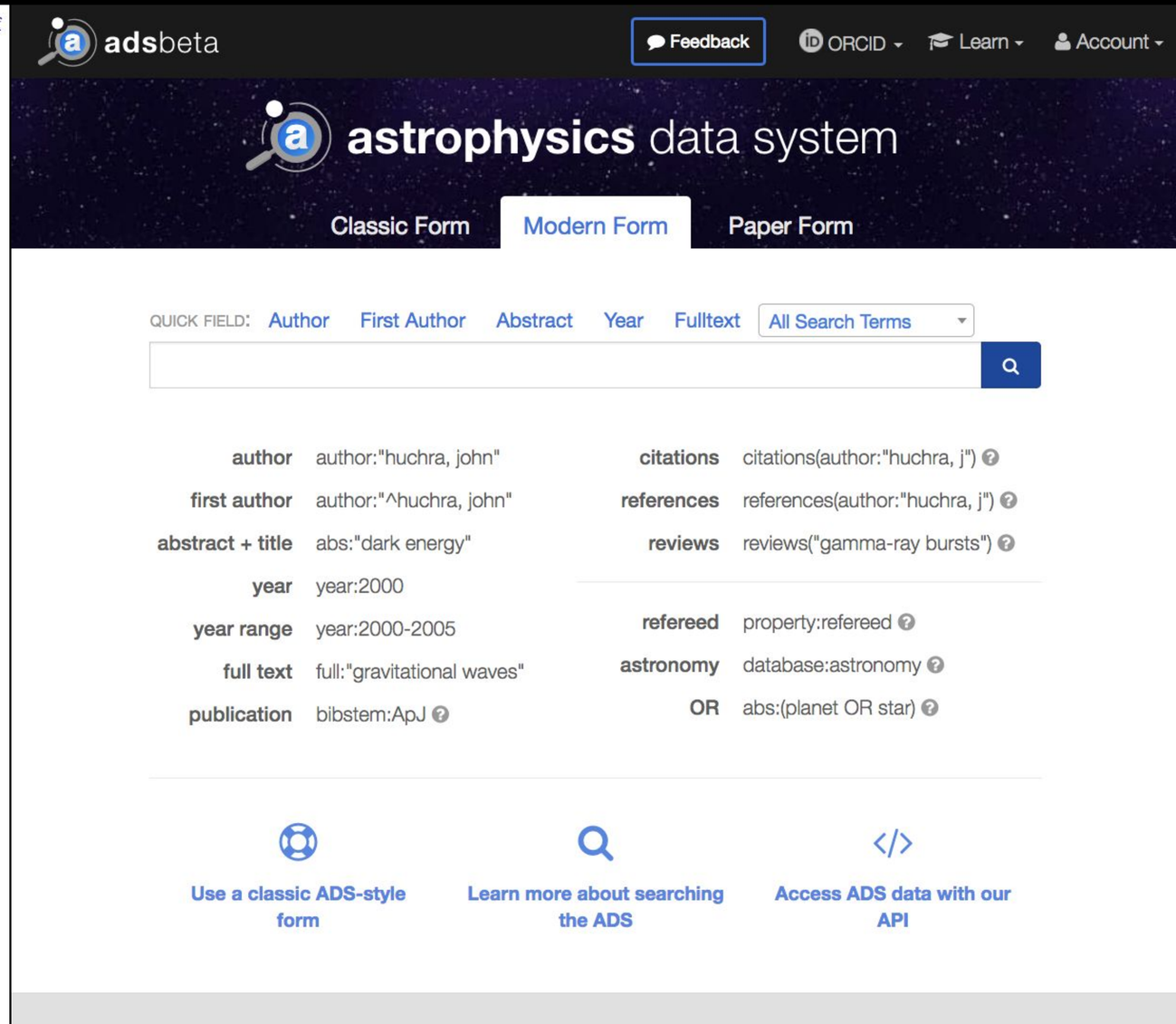
The ADS provides the myADS Update Service, a free custom notification service promoting current awareness of the recent technical literature in astronomy and physics based on each individual subscriber's queries. Every week the myADS Update Service will scan the literature added to the ADS since the last update, and will create custom lists of recent papers for each subscriber, formatted to allow quick reading and access. Subscribers are notified by e-

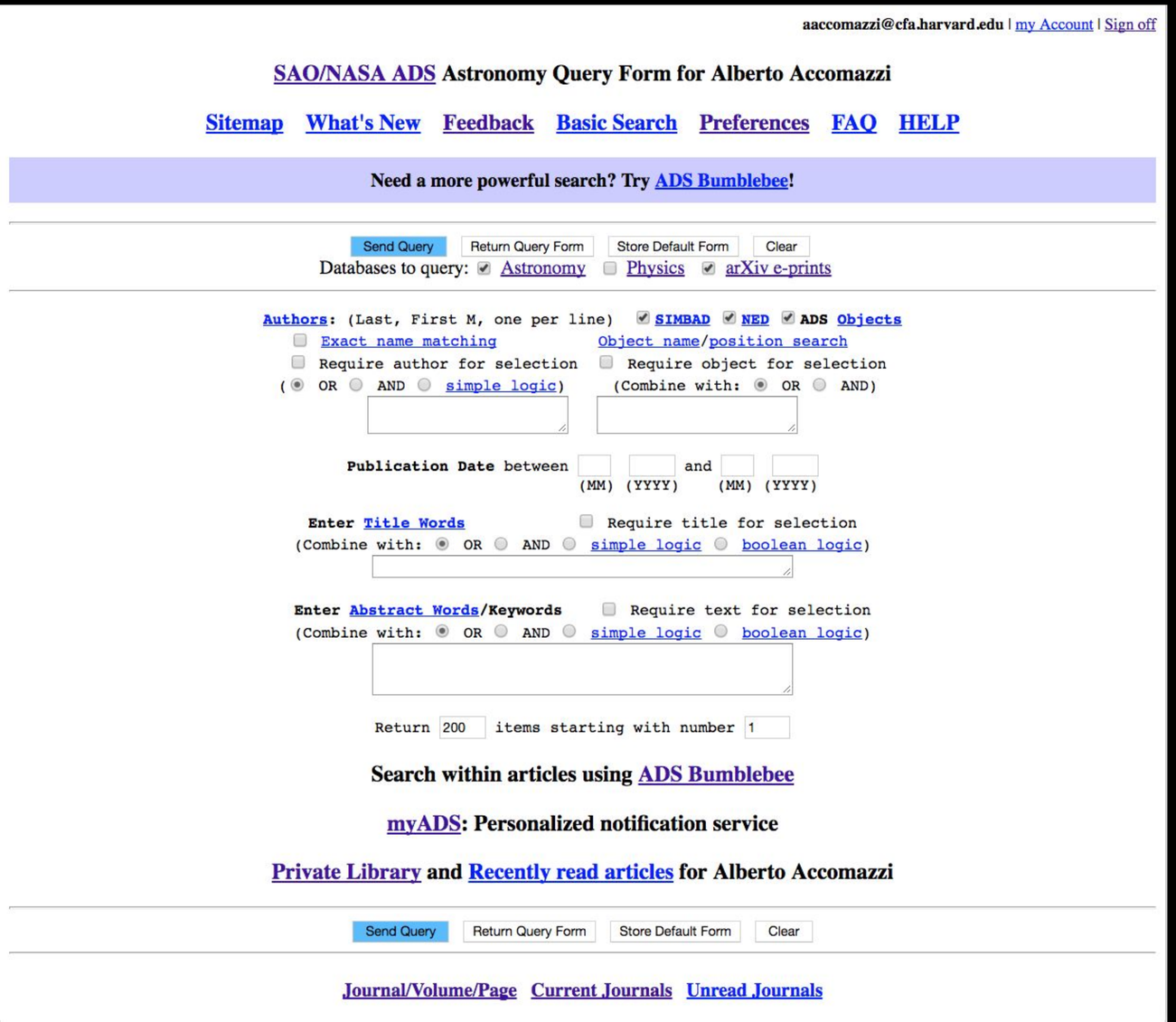
Simple Search





Advanced Search

Advanced Search



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SAO/NASA ADS Astronomy Query Form for Alberto Accomazzi

Sitemap What's New Feedback Basic Search Preferences FAQ HELP

Need a more powerful search? Try ADS Bumblebee!

Send Query | Return Query Form | Store Default Form | Clear

Databases to query: Astronomy Physics arXiv e-prints

Authors: (Last, First M, one per line) SIMBAD NED ADS Objects

Exact name matching — Object name/position search

Require author for selection — Require object for selection

(OR AND simple logic) (Combine with: OR AND)

Publication Date between (MM) (YYYY) and (MM) (YYYY)

Enter Title Words — Require title for selection

(Combine with: OR AND simple logic boolean logic)

Enter Abstract Words/Keywords — Require text for selection

(Combine with: OR AND simple logic boolean logic)

Return 200 items starting with number 1

Search within articles using ADS Bumblebee

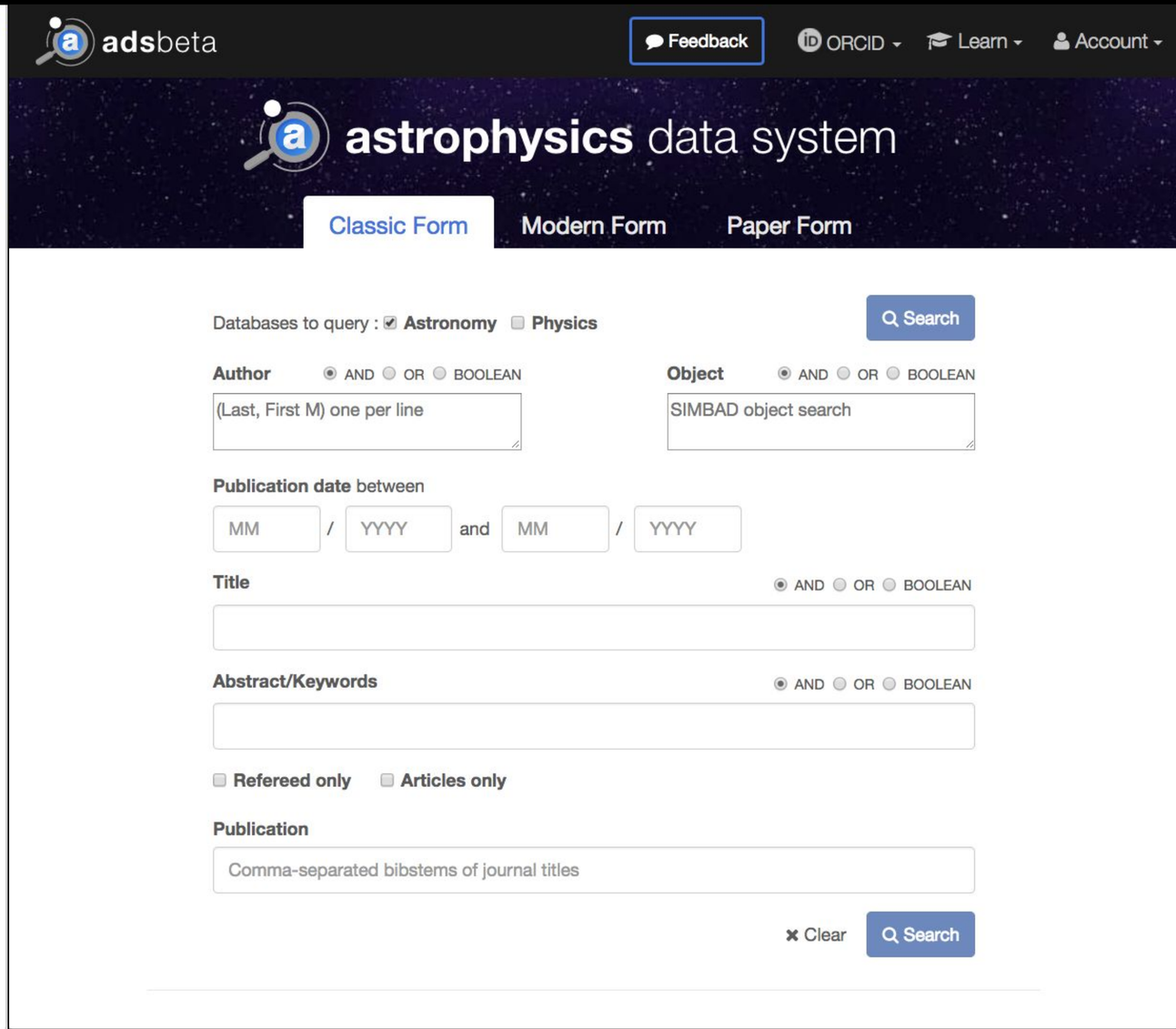
myADS: Personalized notification service

Private Library and Recently read articles for Alberto Accomazzi

Send Query | Return Query Form | Store Default Form | Clear

Journal/Volume/Page Current Journals Unread Journals

Advanced Search



Can I still…

Can I still…

Search for an Author

author:“kurtz, m”

Can I still…

Search for an Author

author:“kurtz, m”

Author & Year

author:“kurtz, m” year:2010

Can I still…

Search for an Author

author:“kurtz, m”

Author & Year

author:“kurtz, m” year:2010

First Author shortcut

^kurtz, m

Can I still…

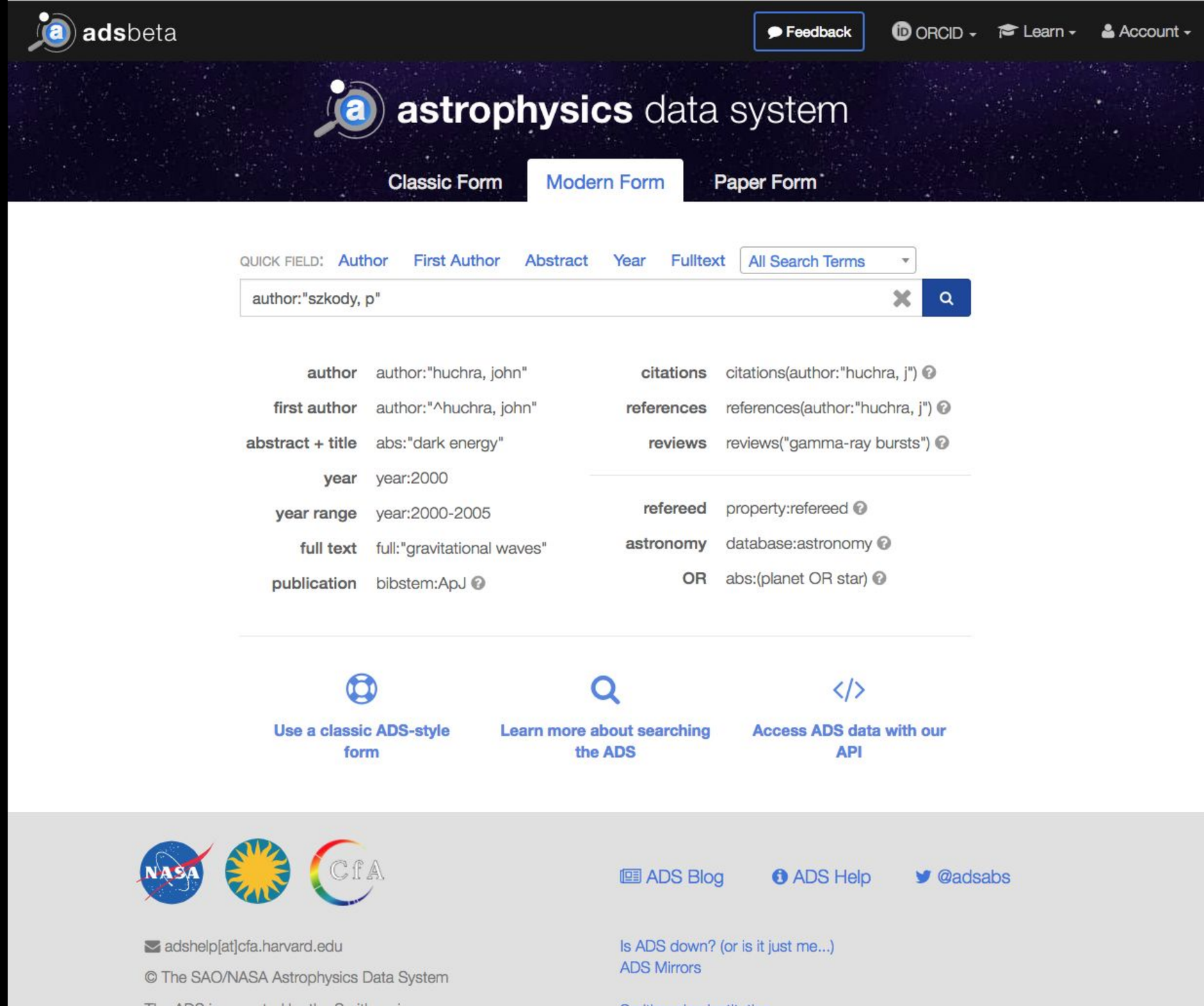
Yes!

Search for an Author

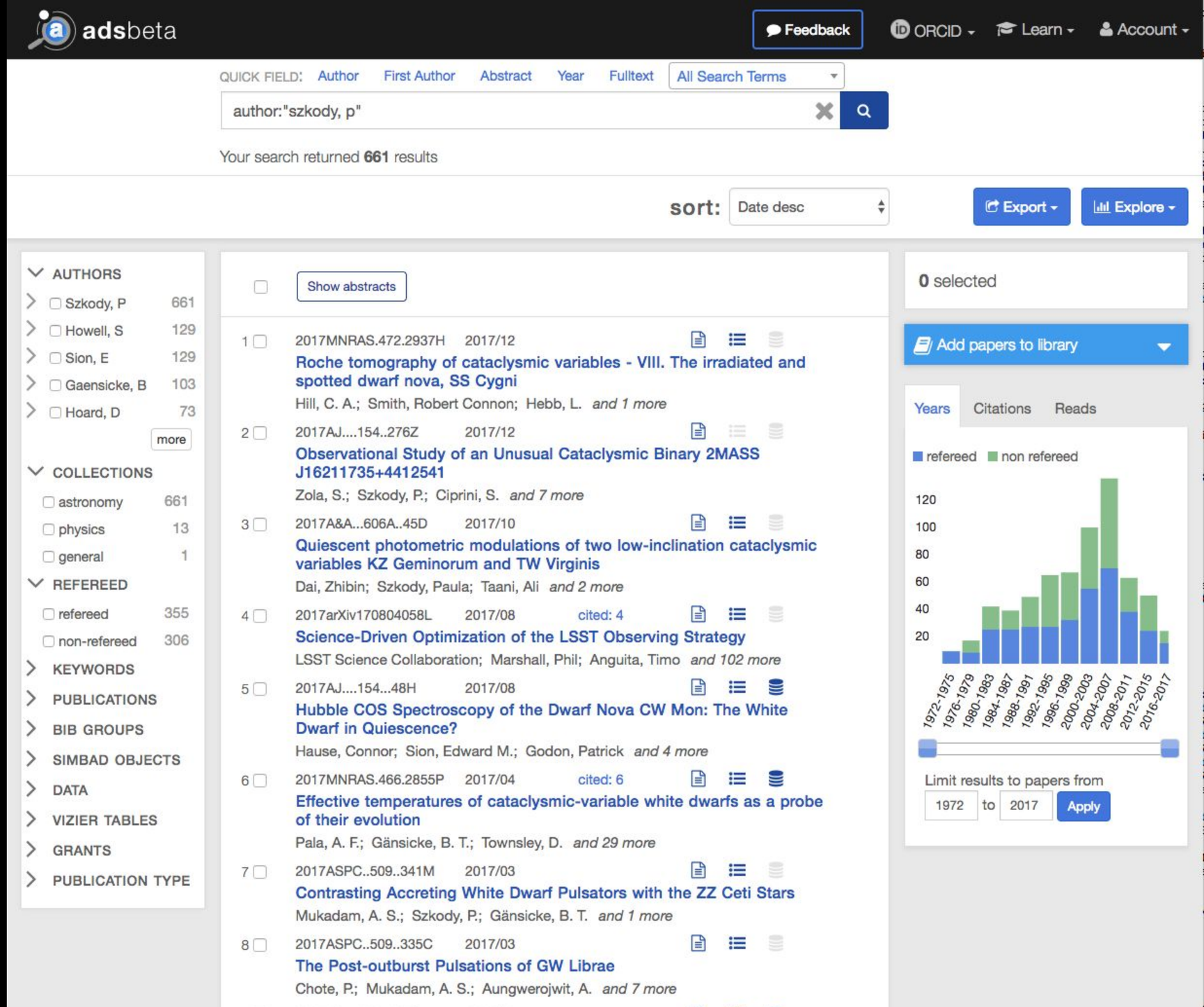
Author & Year

First Author shortcut

author:“szkody, p”

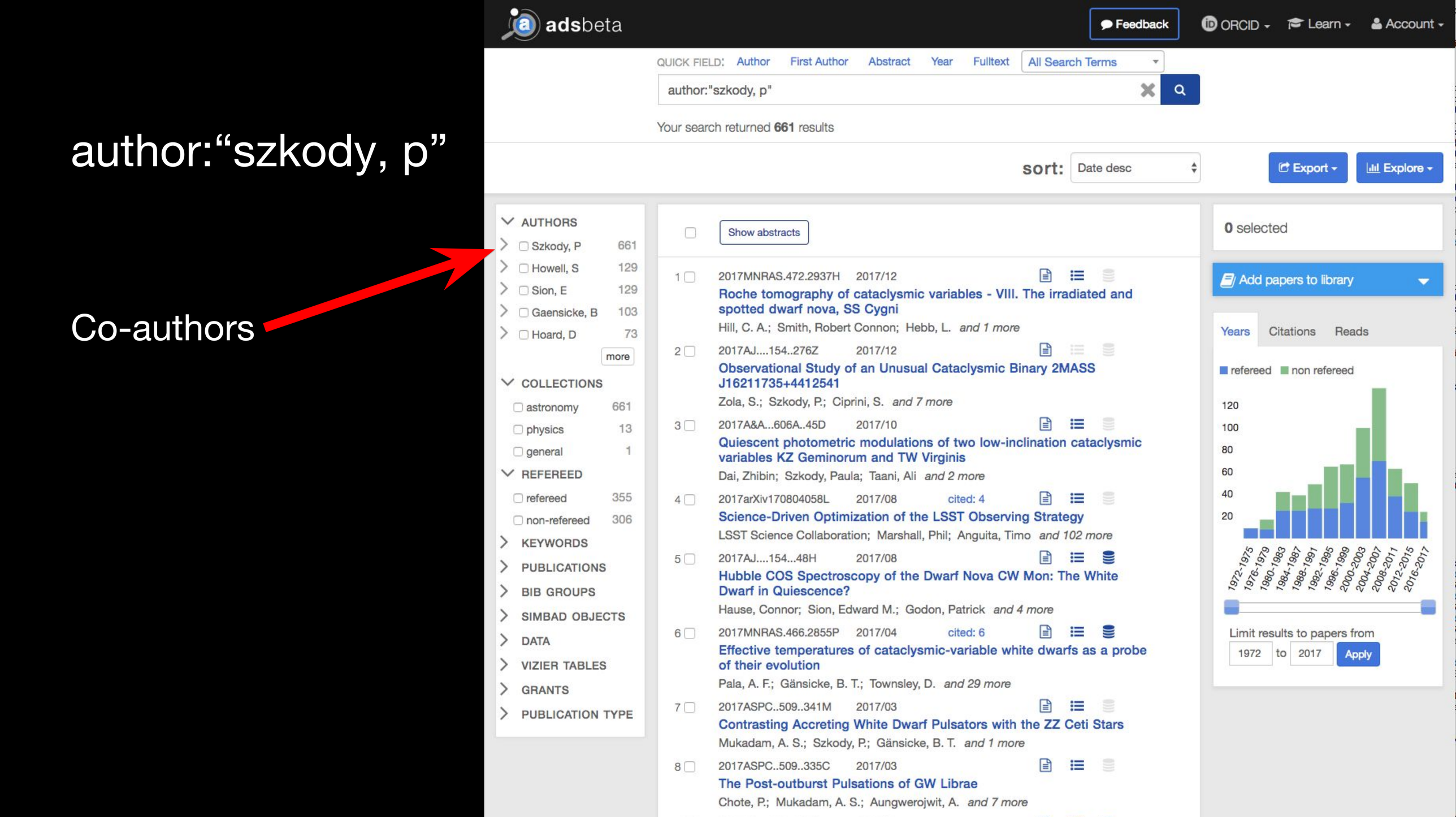


author:“szkody, p”



author:“szkody, p”

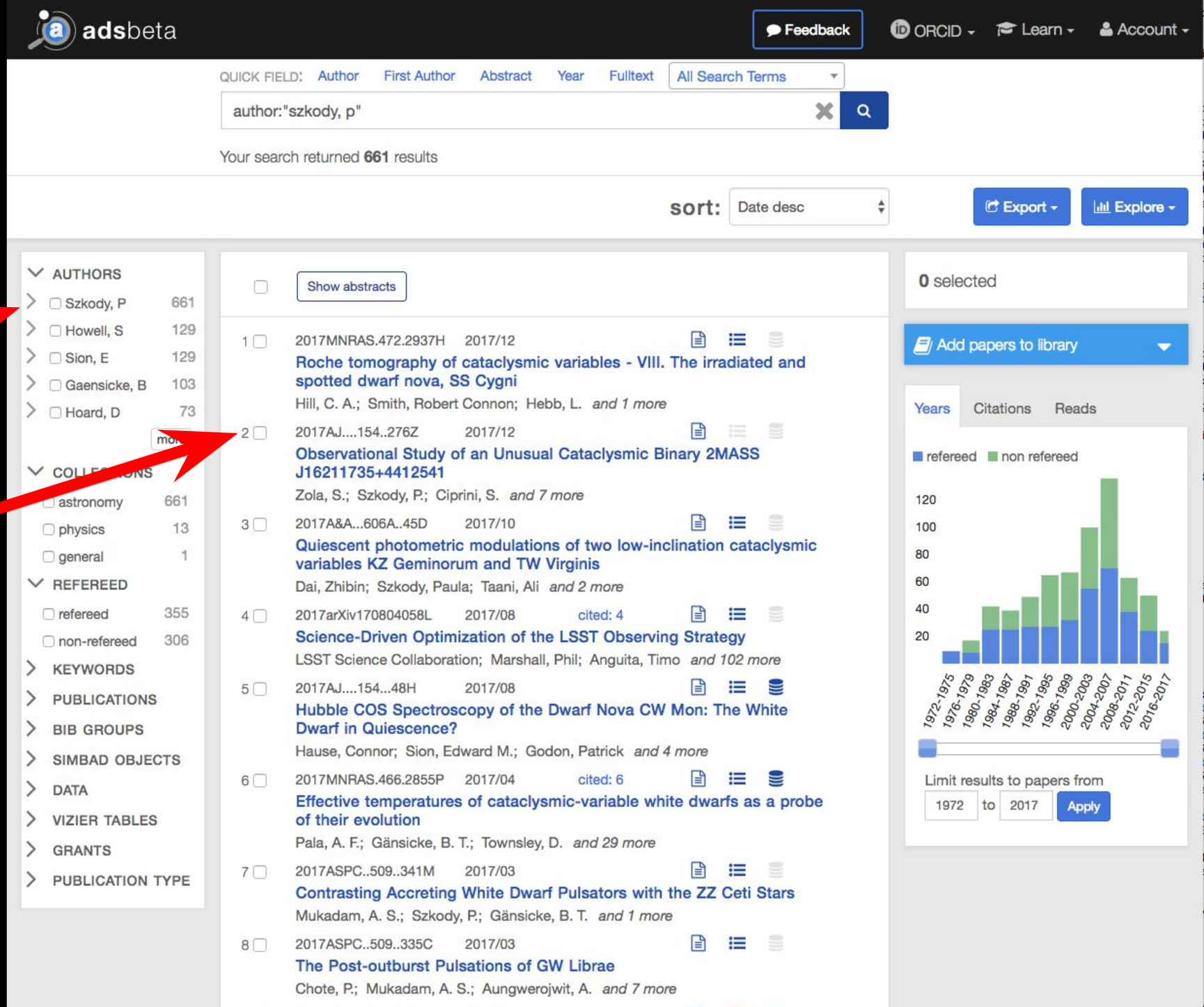
Co-authors



author:“szkody, p”

Co-authors

Recent papers

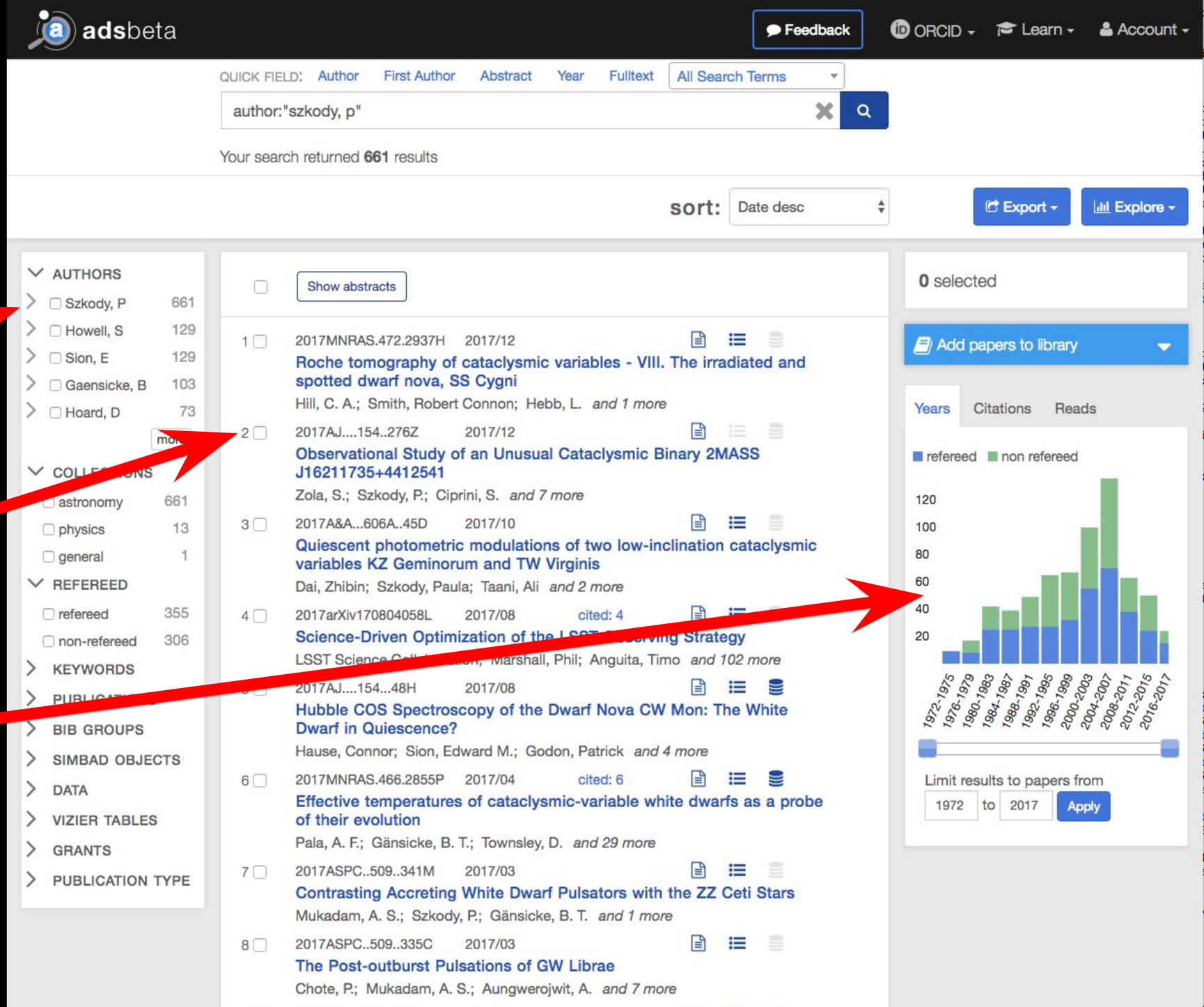


author:“szkody, p”

Co-authors

Recent papers

Paper history



author:“szkody, p”

Co-authors

Recent papers

Citations

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QUICK FIELD: Author | First Author | Abstract | Year | Fulltext | All Search Terms

author:"szkody, p"

Your search returned **661** results

sort: Date desc

Export | Explore

AUTHORS
- Szkody, P 661
- Howell, S 129
- Sion, E 129
- Gaensicke, B 103
- Hoard, D 73

COLLECTIONS
- astronomy 661
- physics 13
- general 1

REFEREED
- refereed 355
- non-refereed 306

KEYWORDS

BIB GROUPS

SIMBAD OBJECTS

DATA

VIZIER TABLES

GRANTS

PUBLICATION TYPE

Show abstracts

1 2017MNRAS.472.2937H 2017/12
Roche tomography of cataclysmic variables - VIII. The irradiated and spotted dwarf nova, SS Cygni
Hill, C. A.; Smith, Robert Connon; Hebb, L. *and 1 more*

2 2017AJ....154..276Z 2017/12
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3 2017A&A...606A..45D 2017/10
Quiescent photometric modulations of two low-inclination cataclysmic variables KZ Geminorum and TW Virginis
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4 2017arXiv170804058L 2017/08 cited: 4
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LSST Science Collaboration; Marshall, Phil; Anguita, Timo *and 102 more*

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8 2017ASPC..509..335C 2017/03
The Post-outburst Pulsations of GW Librae
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total number of citations : **21,115**

H-Index for results: 55

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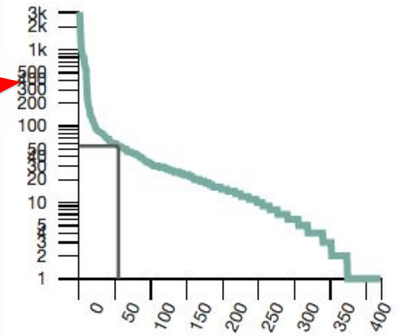

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Chote, P.; Mukadam, A. S.; Aungwerojwit, A. *and 7 more*

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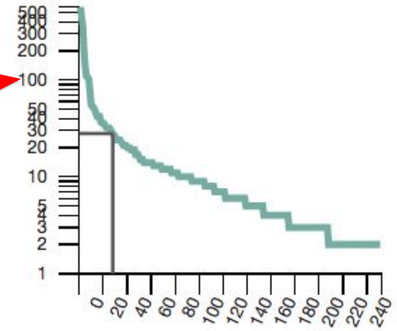

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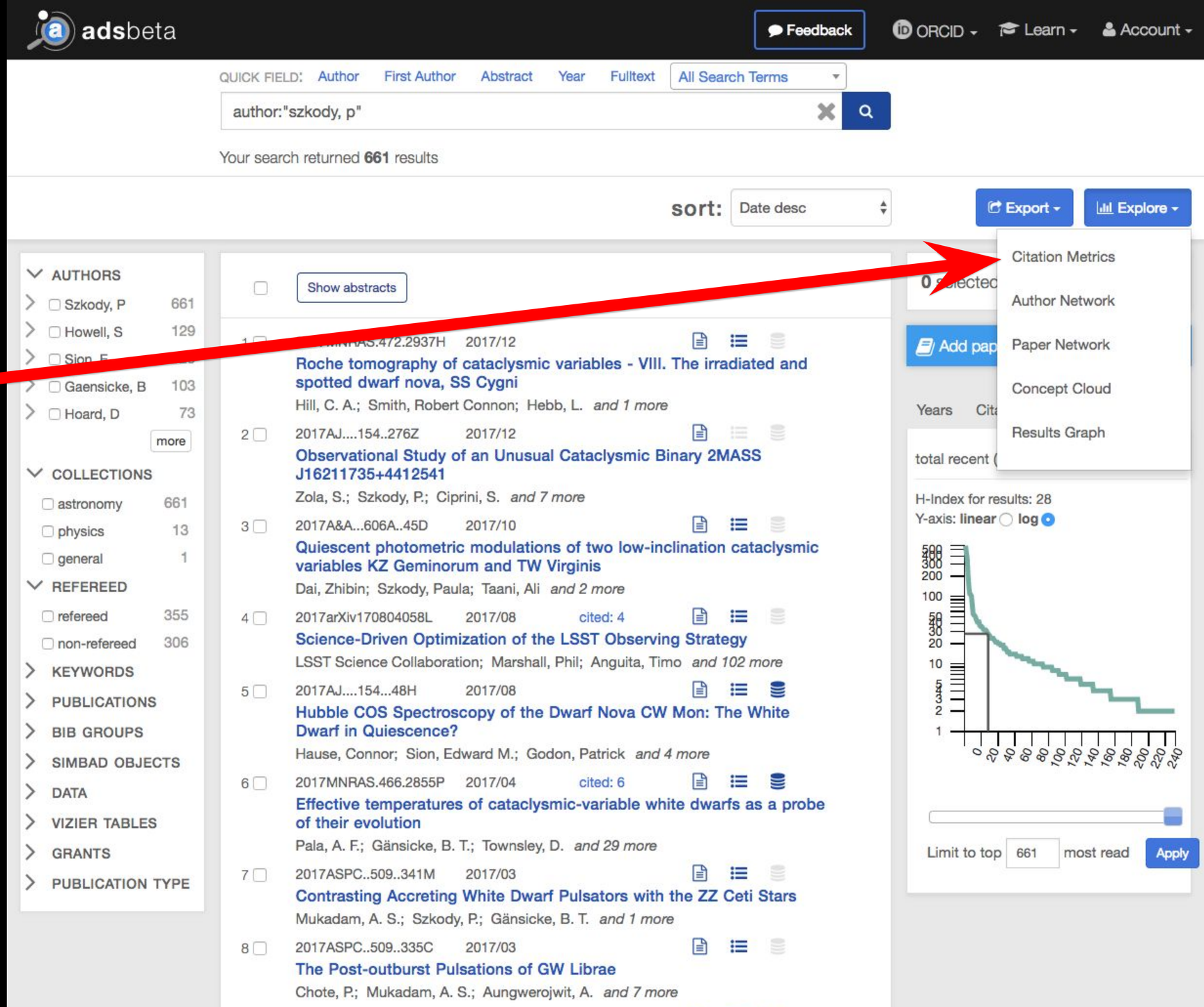
Metrics Page



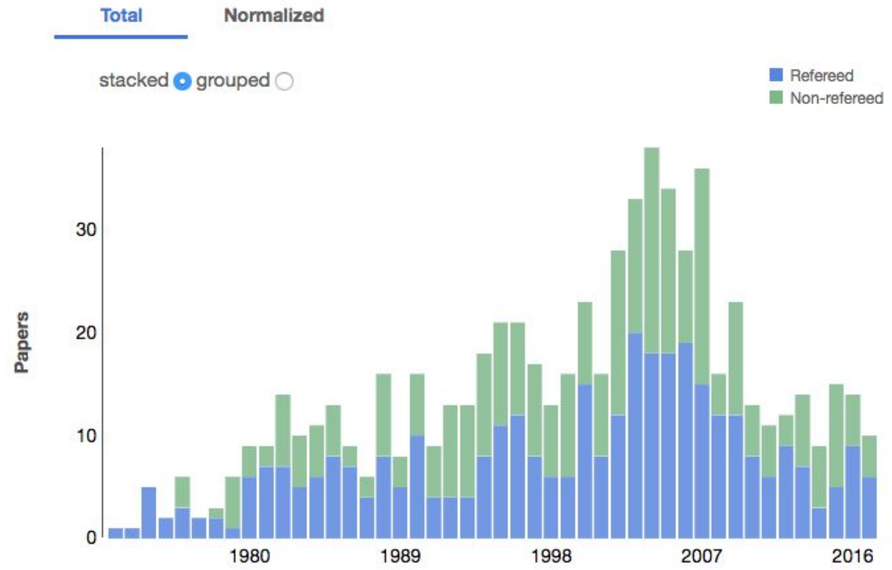
author:“szkody, p”

Papers

Citations

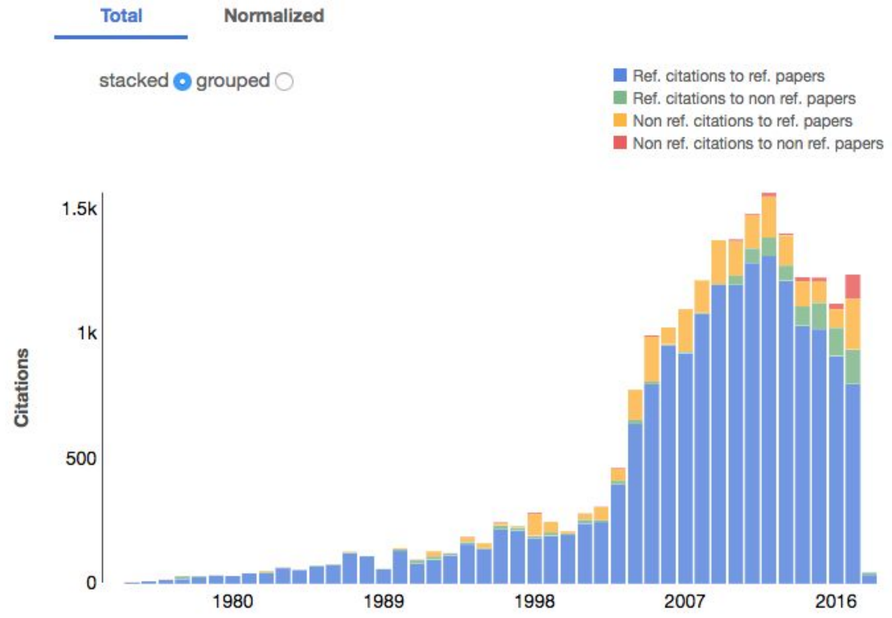
Papers

	Totals	Refereed
Number of papers	661	355
Normalized paper count	239.2	99.4



Citations

	Totals	Refereed
Number of citing papers	12310	11521
Total citations	21139	20000
Number of self-citations	1930	1834
Average citations	32.0	56.3
Median citations	4	17
Normalized citations	2473.4	2342.3
Refereed citations	18666	17757
Average refereed citations	28.2	50.0
Median refereed citations	4	15
Normalized refereed citations	2226.6	2110.6



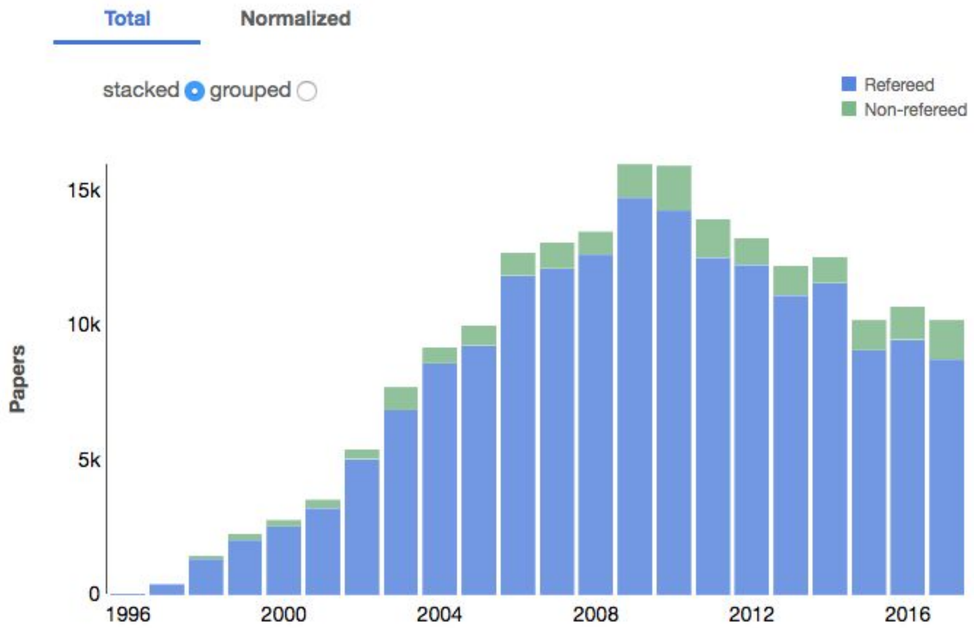
author:“szkody, p”

Reads

Indices

Reads

	Totals	Refereed
Total number of reads	197023	179533
Average number of reads	299.4	505.7
Median number of reads	92.5	278
Total number of downloads	104720	99577
Average number of downloads	159.1	280.5
Median number of downloads	44	44



Indices

	Totals	Refereed
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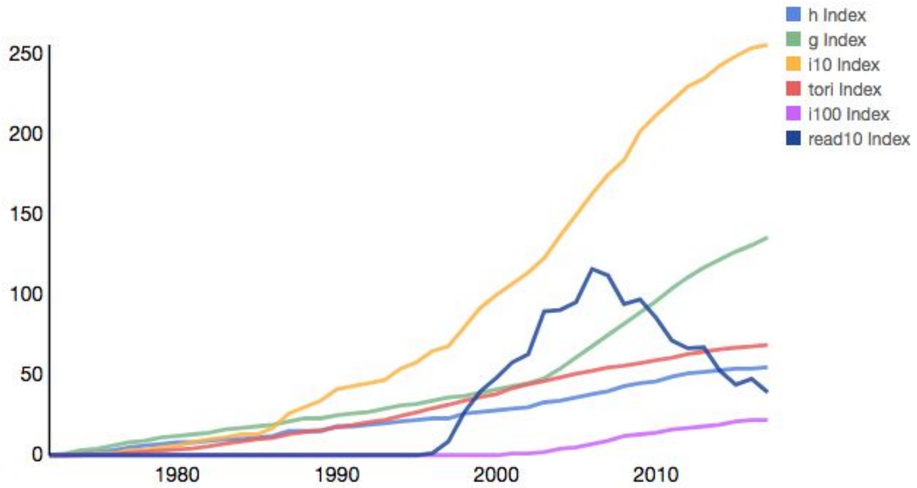
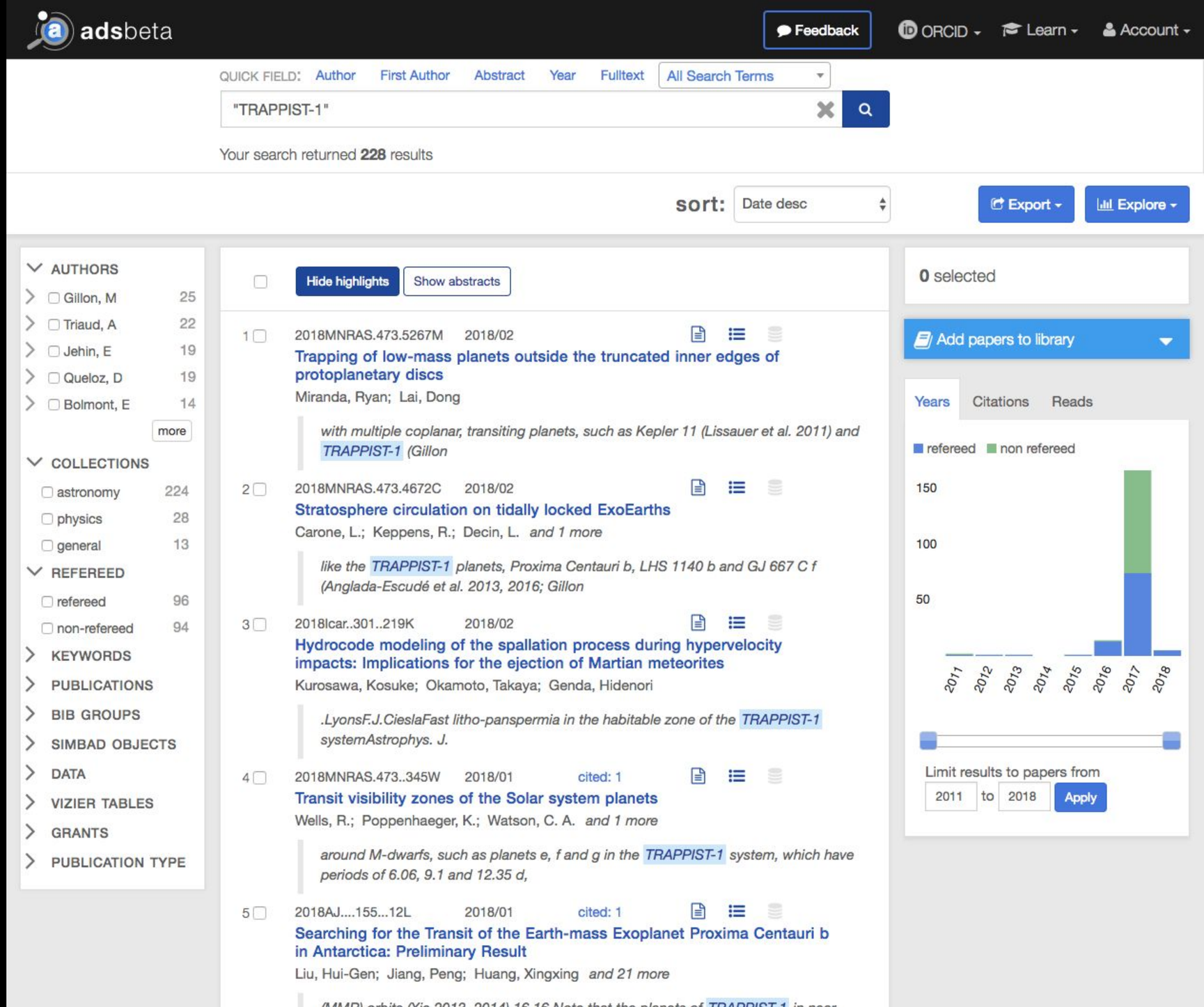
m-index	1.2	1.2
g-index	136	133
i10-index	256	246
i100-index	22	21
tori index	68.9	65.2
riq index	180	175
read10-index	392.1	317.5



“TRAPPIST-1”

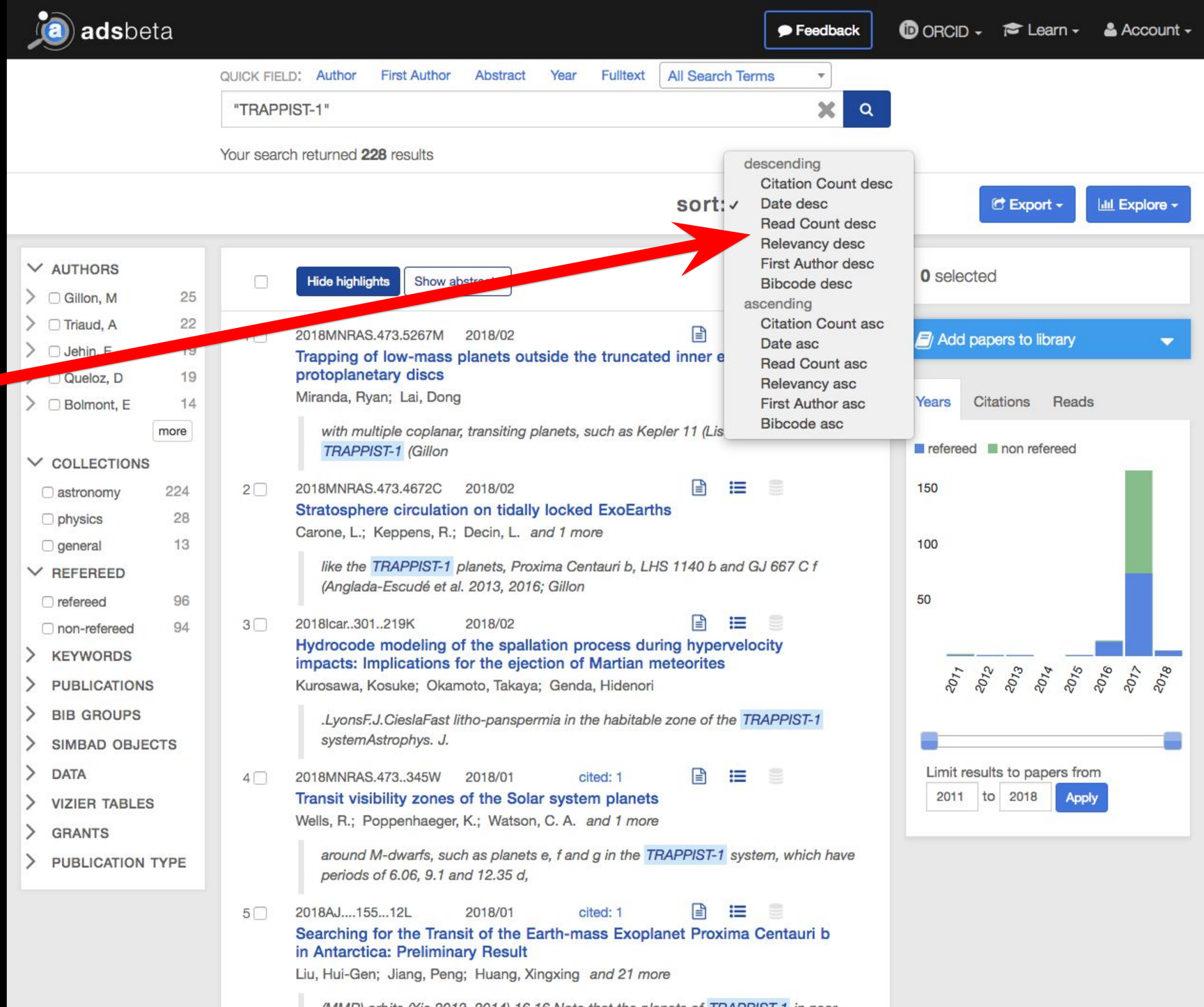
Searches:

- Author
- Title
- Abstract
- Keywords
- Fulltext



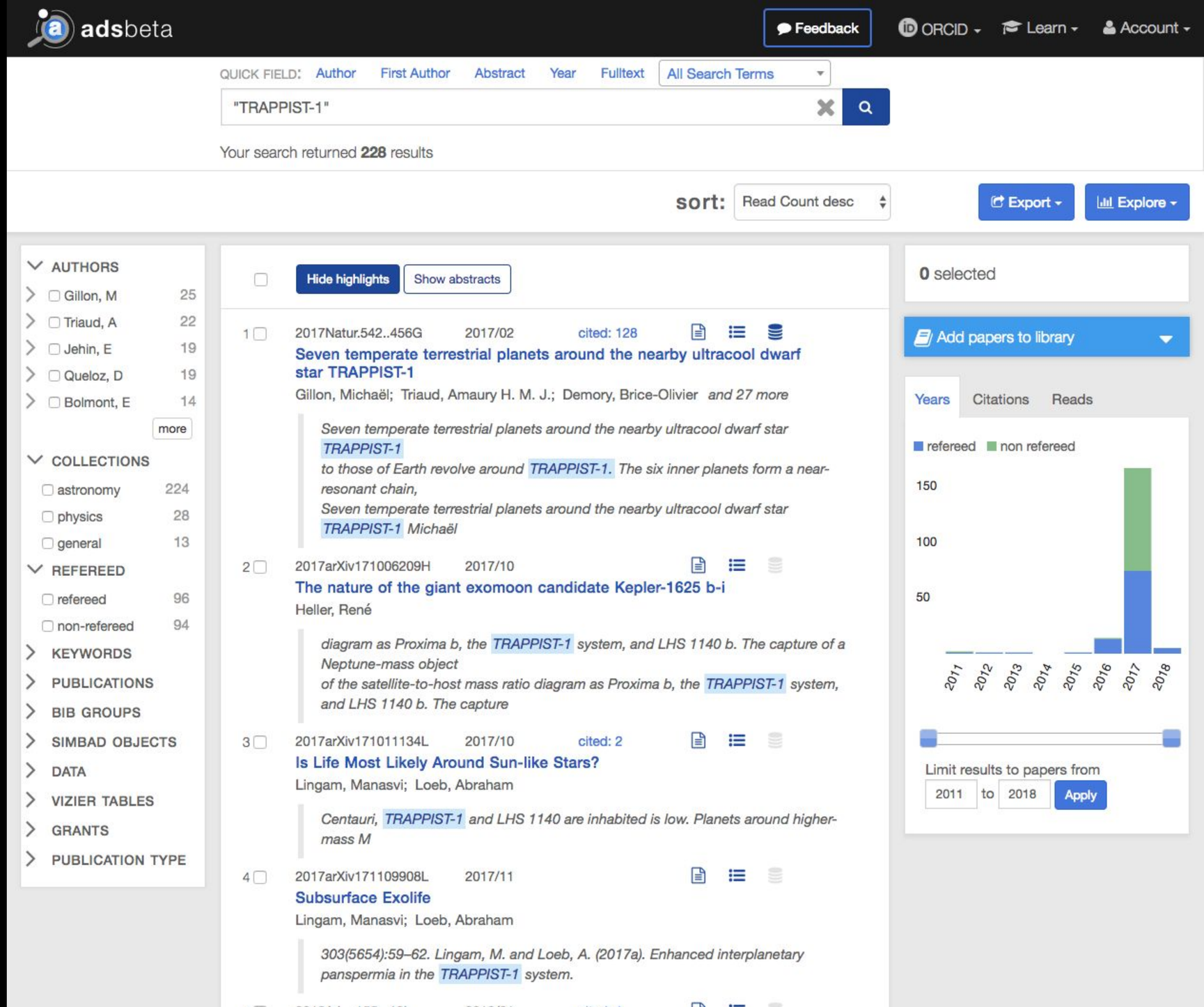
“TRAPPIST-1”

Resort by reads



“TRAPPIST-1”

Most read papers



“TRAPPIST-1”

Paper network

adsbeta

Feedback | ORCID | Learn | Account

QUICK FIELD: Author | First Author | Abstract | Year | Fulltext | All Search Terms

"TRAPPIST-1"

Your search returned **228** results

sort: Read Count desc | Export | Explore

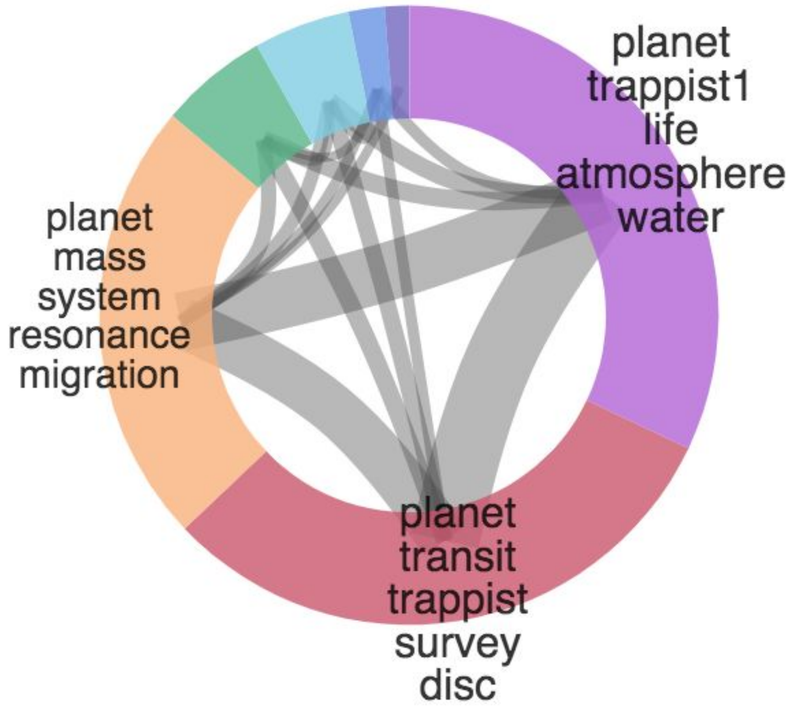
Currently viewing data for 228 papers.

Change to first [ ] papers (max is 228). Submit

Filter current search: X clear

select an author or group of authors in the visualization below and click the "add to filter" button

Size wedges based on: Number of Papers | Paper Citations | Paper Downloads

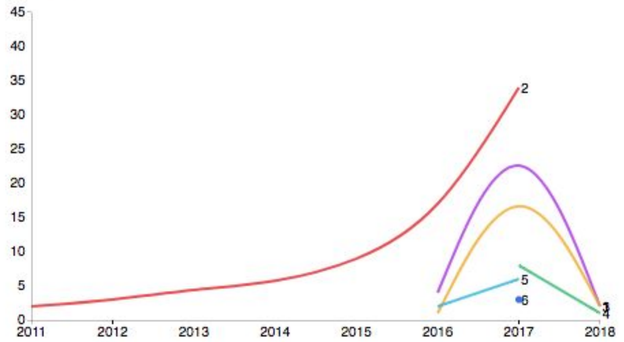


Summary | Detail

Paper Network for Query

The segments of the visualization to the left represent groups of papers from your result set which cite similar papers.

Group Activity Over Time (measured in papers published)

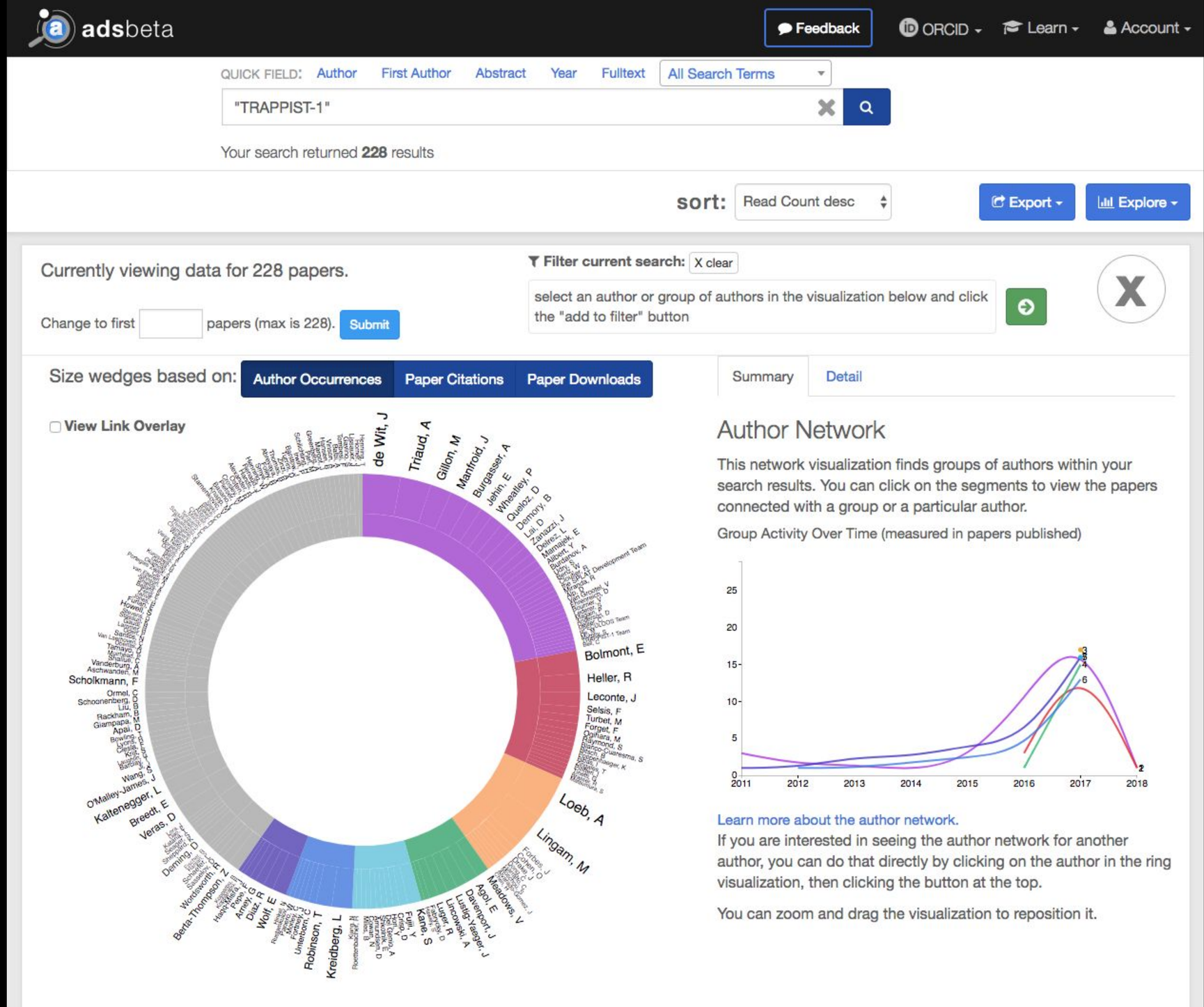


Click on a group to learn more about the papers within the group, as well as the papers cited by those papers.

Learn more about the paper network.

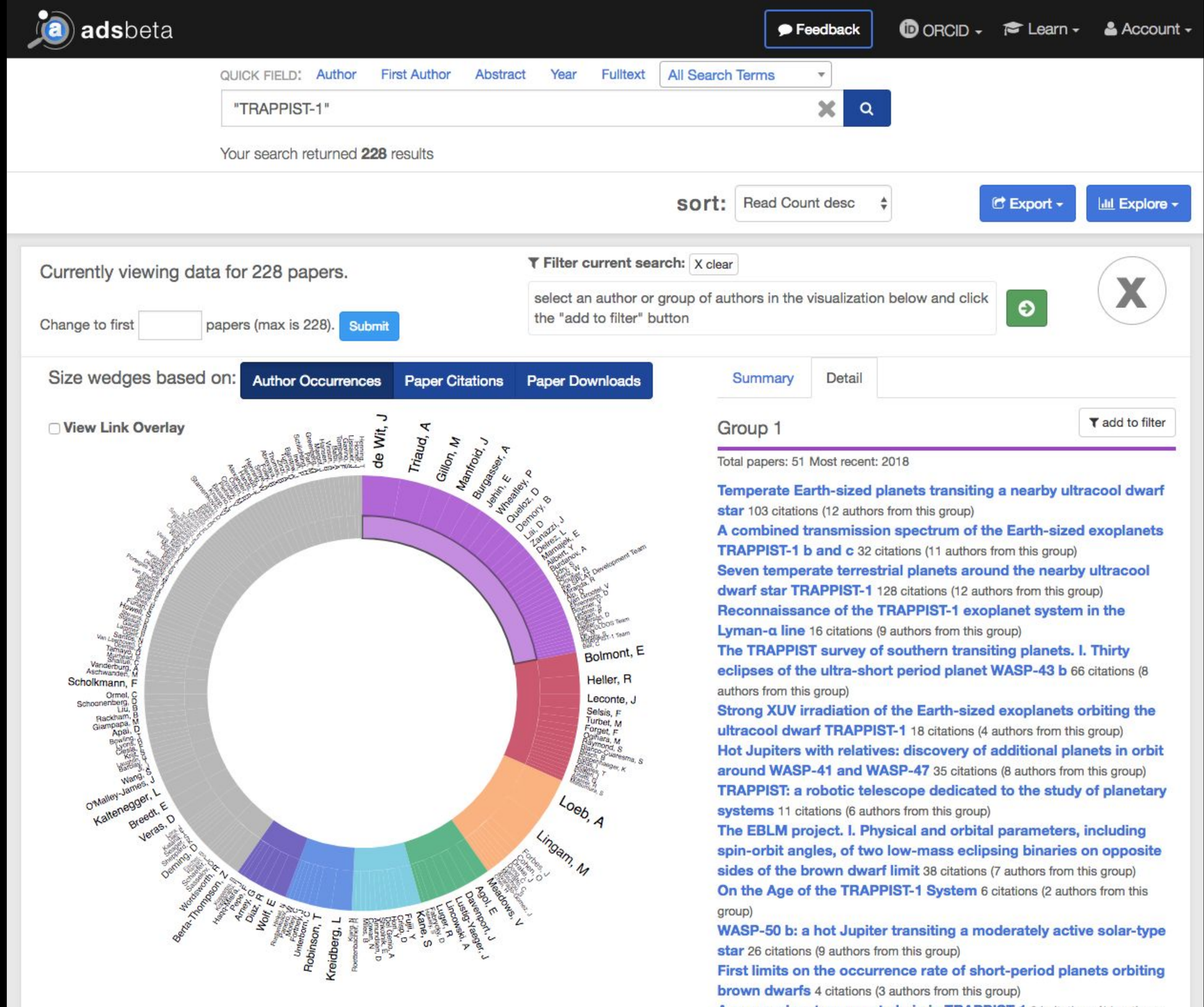
“TRAPPIST-1”

Author network



“TRAPPIST-1”

Author network exploration



More search options…

Search fulltext

More search options…

full:(HST or JWST)

More search options…

Search fulltext

full:(HST or JWST)

Acknowledgments

ack:ADS

More search options…

Search fulltext

full:(HST or JWST)

Acknowledgments

ack:ADS

Affiliations

aff:(Harvard or HCO or SAO)

…than you asked for

Citation search

…than you asked for

citations(author:“kurtz, m”)

…than you asked for

Citation search

citations(author:“kurtz, m”)

“data” search

data:(CXO or XMM) data:HST

…than you asked for

Citation search

citations(author:“kurtz, m”)

“data” search

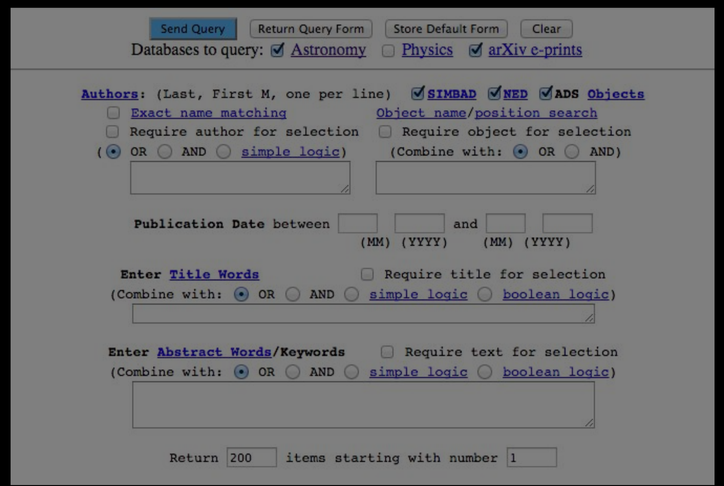
data:(CXO or XMM) data:HST

ORCID search

orcid:000-0002-4110-3511

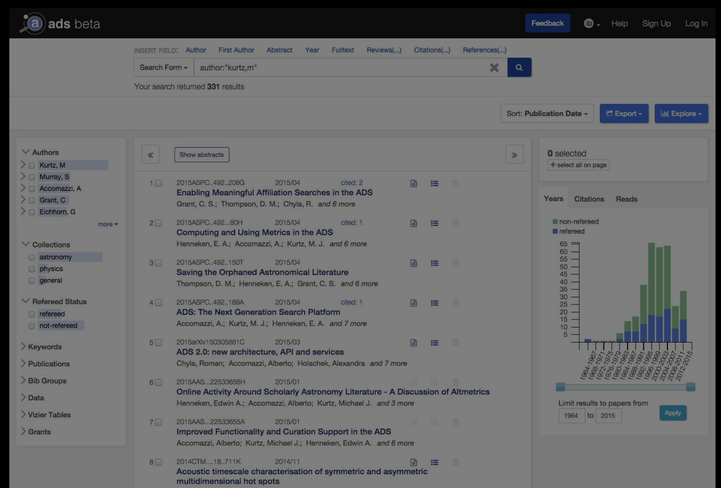
astrophysics
data system

ads.harvard.edu



@adsabs

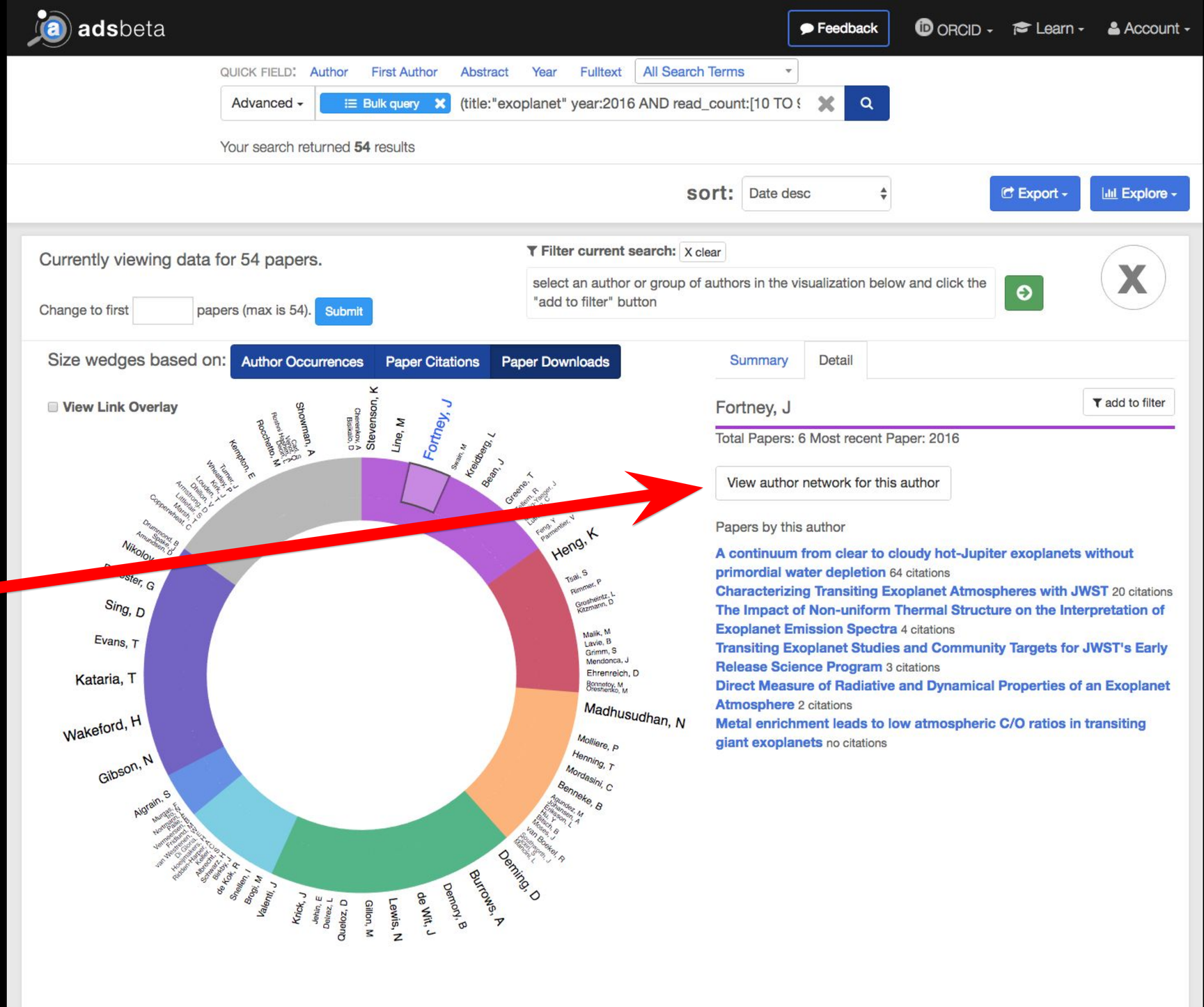
Booth #630



title:“exoplanet” year:2016

Author Network for Group 2

Choose an author (Fortney, J), get his author network



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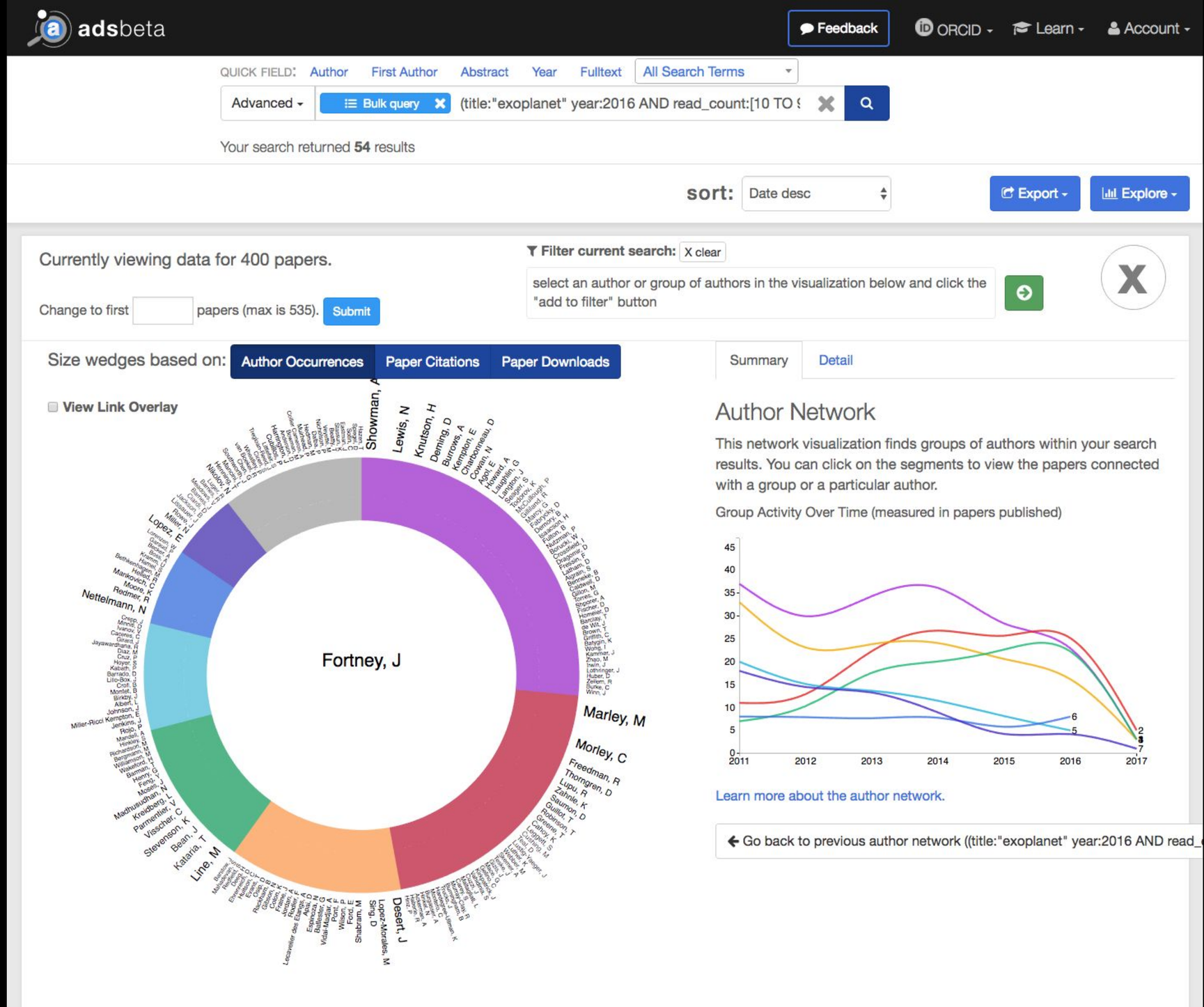
Co-author network for J. Fortney

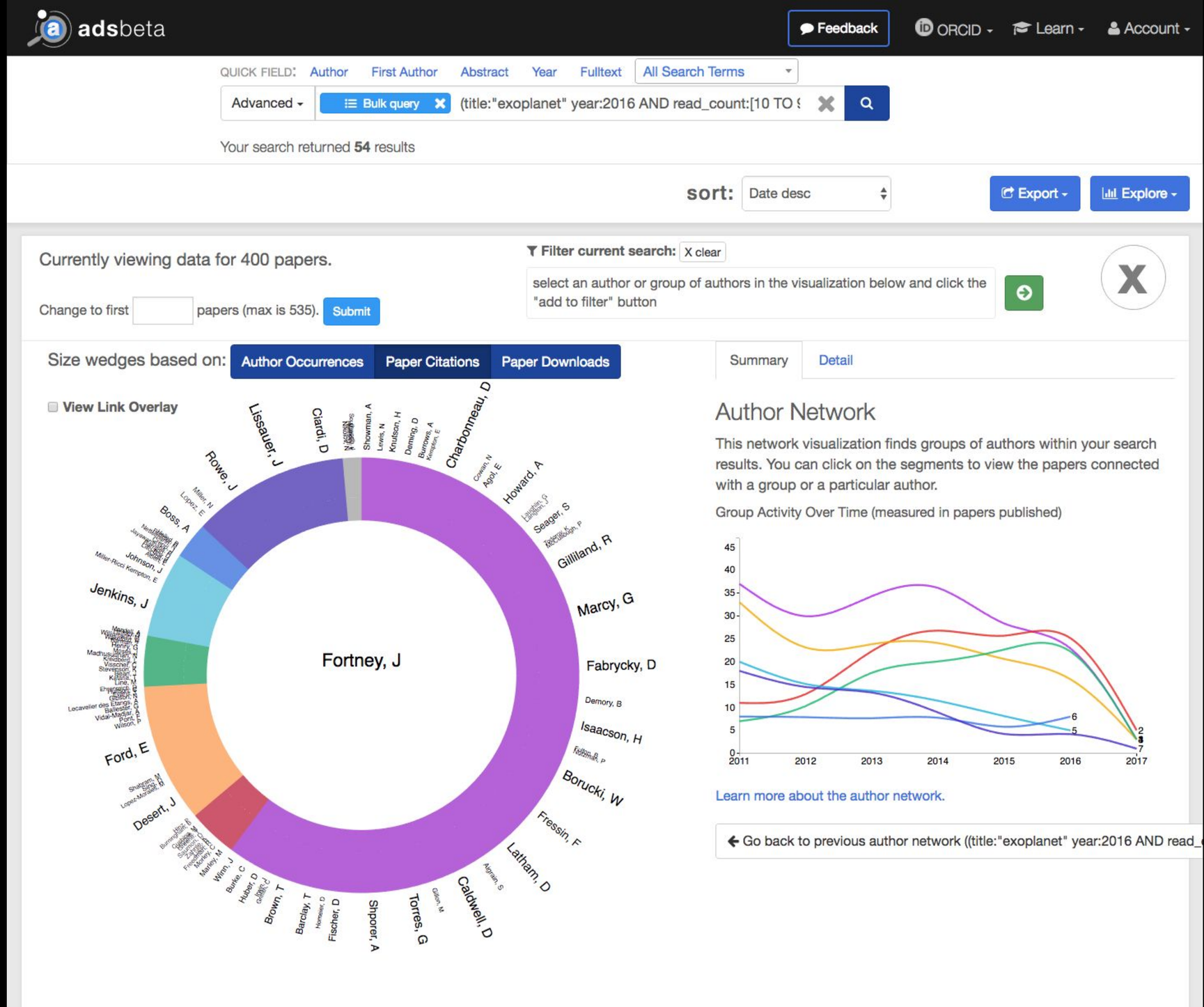
Weighted by number of papers



title:“exoplanet” year:2016

Co-author network for J. Fortney

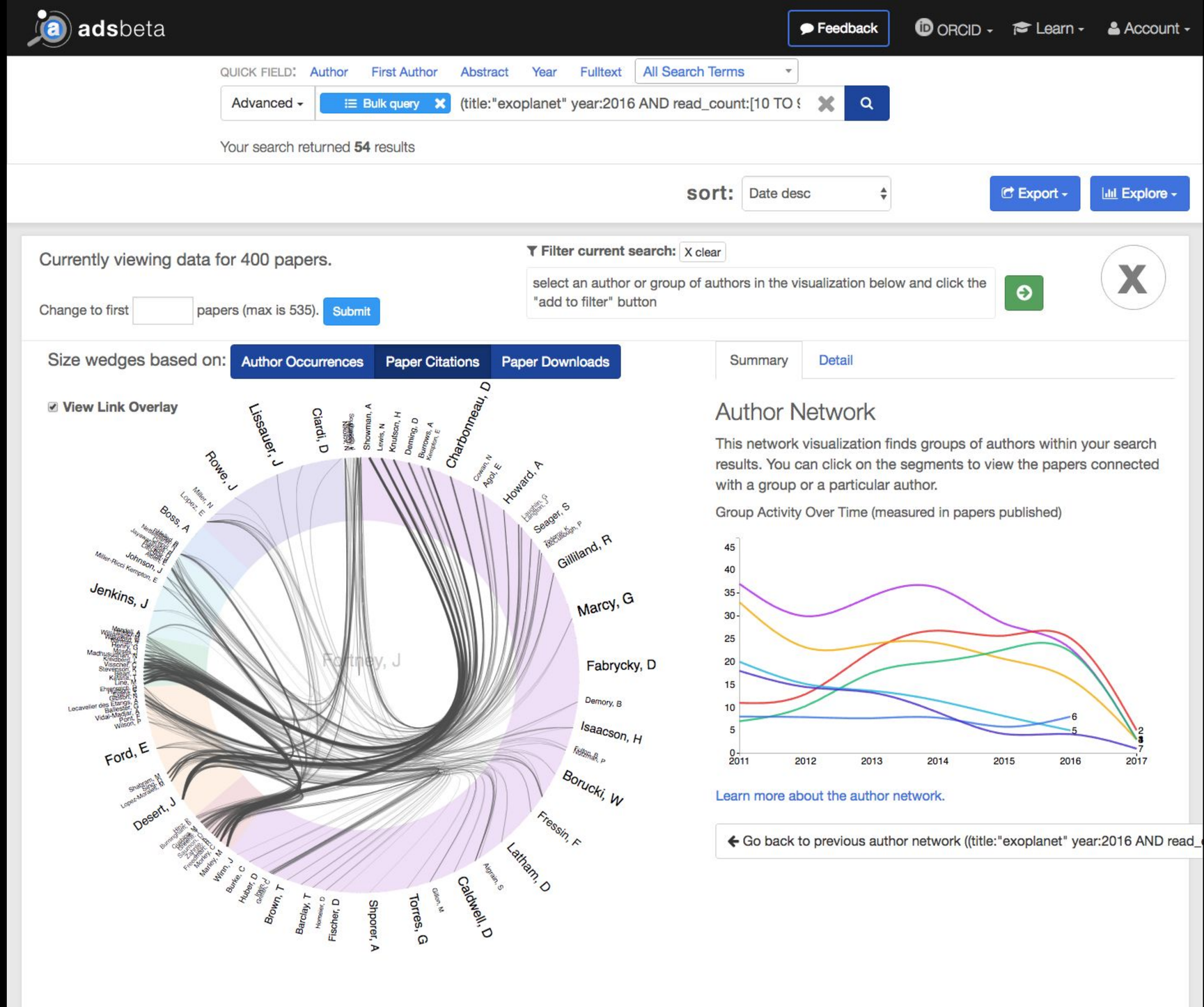
Weighted by number of citations



title:“exoplanet” year:2016

Co-author network for J. Fortney

Showing relationship among co-authors



When?

April 2018

All functionality and content of ADS Classic available in ADS Bumblebee

October 2018

Use of ADS Classic discouraged in favor of Bumblebee

April 2019

ADS Classic search discontinued, redirected to Bumblebee