

Science Explorer (SciX): Not Your Adviser's ADS

Jennifer Lynn Bartlett & SciX Team

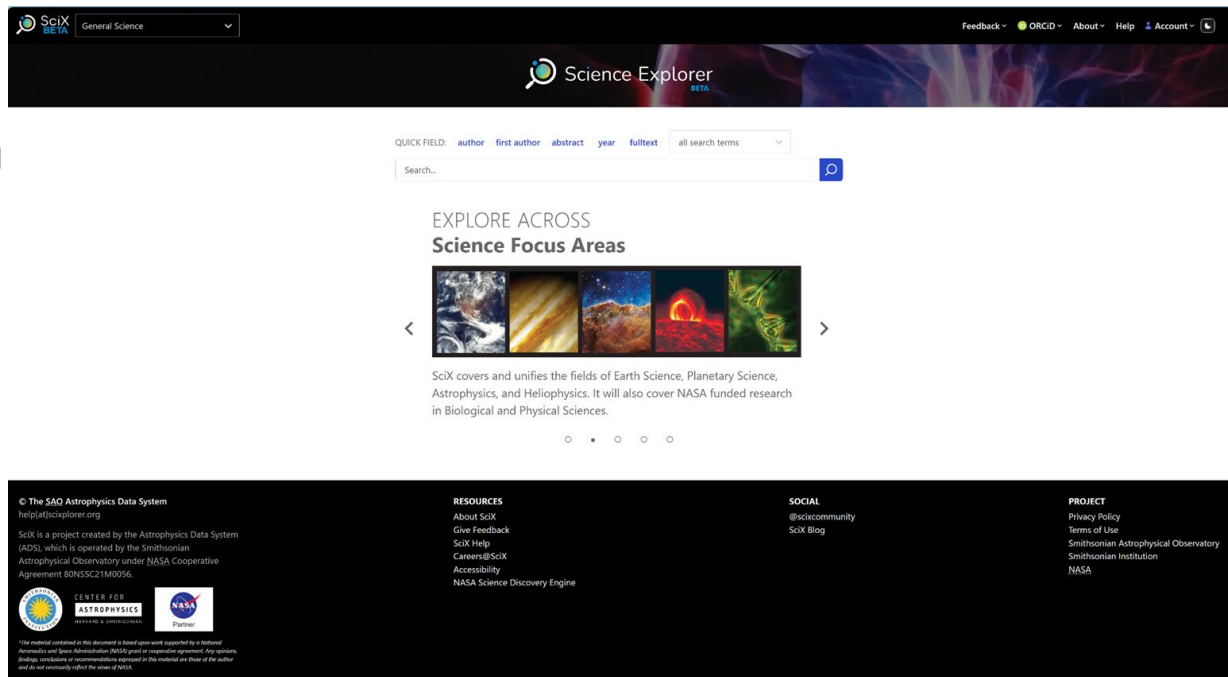
Center for Astrophysics | Harvard & Smithsonian

jennifer.bartlett@cfa.harvard.edu or help@scixplorer.org

23 March 2025

What is Science Explorer (SciX)?

- Open, literature-based digital information system
- Covers & unifies
 - Astrophysics
 - Heliophysics
 - Planetary Science
 - Earth Science
 - NASA-funded Biological & Physical Sciences
- Launched December 2023

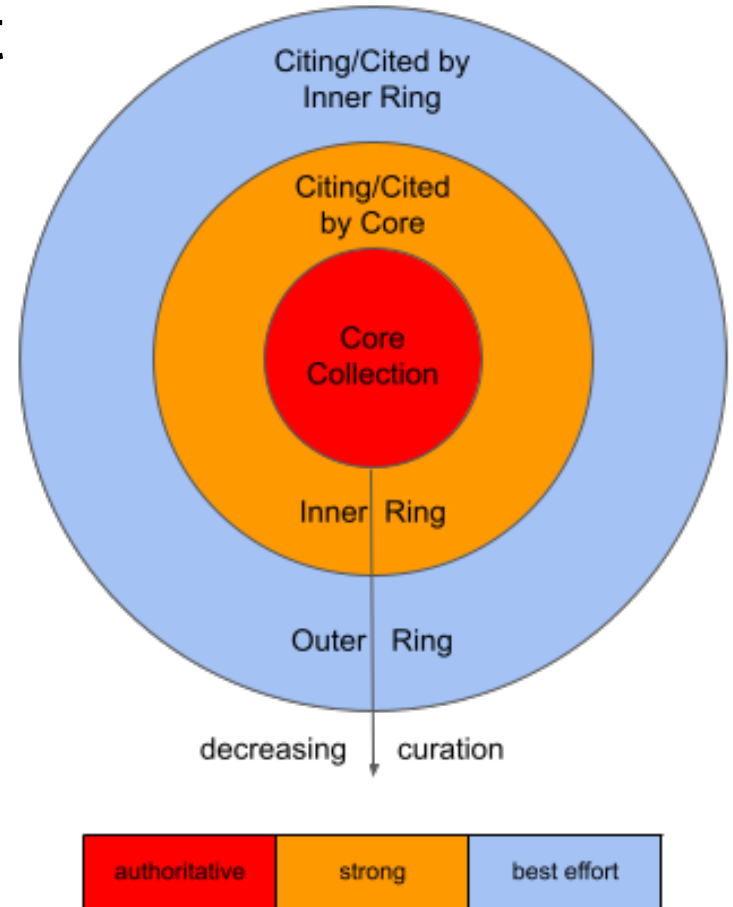


<https://SciXplorer.org>

Science Explorer (SciX) Content

For each discipline, research is aggregated, connected, and indexed

- Authoritative/complete for core journals
- Strong effort to index papers directly tied to core collection
- Best effort to index papers indirectly tied to core collection



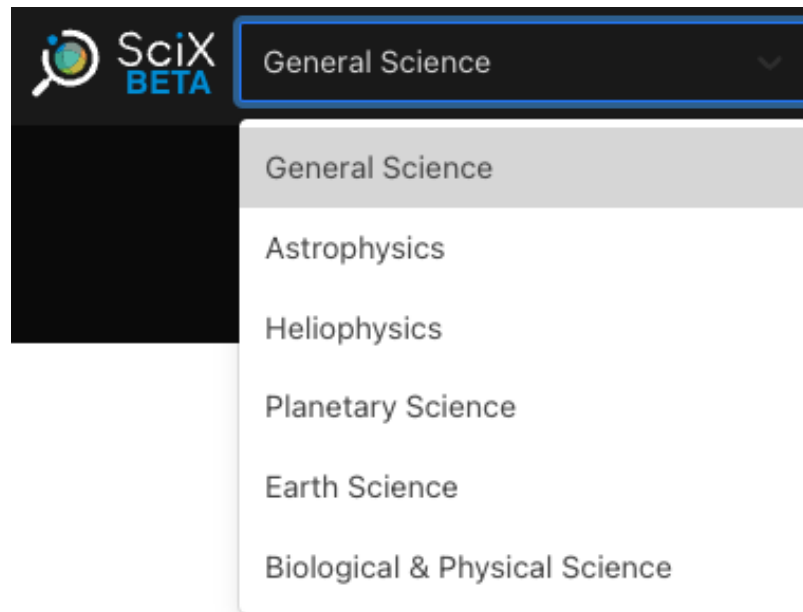
<https://SciXplorer.org>

Science Explorer (SciX) Disciplinary Interfaces

Each discipline

- has a customized interface to the multidisciplinary content
- can use familiar keywords, language, and conventions

Every search accesses the full multidisciplinary library





Your links & libraries
continue unchanged

Astrophysics interface
includes Classic Form

Collection
☒ Astronomy ☐ Physics ☐ General ☐ Earth Science

Author And Or

Smith, John A
Smith, Jane B

Author names, enter (Last, First M) one per line.
Example Operators:
Use **AND** to filter out an author. (Ex: **AND Smith, John**)
Use **OR** to restrict name expansion. For example **OR Smith, Jim** will match "Smith, Jim" but not "Smith, James".
Surround name with **AND** to match papers with only one particular author. (Ex: **AND Smith, Jim**)
[Learn More](#)

Object And Or

M 31
HD 187642
Sgr A*

SIMBAD object search, one per line.

Publication Date Start Publication Date End

YYYY/MM YYYY/MM

Ex: "2011/04" Ex: "2014/12"

Title And Or Boolean

Ex: "Content of the Future in the ADS"

Abstract / Keywords And Or Boolean

Ex: "Dark Energy"

Property

What can SciX do?

- Search the scientific

- Topics
- Objects
- People
- Organizations

- Ask for papers that

- Similar
- Trending
- Useful
- Reviews

The screenshot shows the SciX Science Explorer website. At the top, there's a header with the SciX logo, a dropdown menu set to 'Heliophysics', and navigation links for Feedback, ORCID, About, Help, and Account. Below the header is a large banner with the text 'Science Explorer'. Underneath the banner is a search bar with a 'QUICK FIELD' dropdown showing options like 'author', 'first author', 'abstract', 'year', 'fulltext', and 'all search terms'. Below the search bar is a 'Search Examples' section with a grid of search queries and their results. The grid includes examples for author, first author, abstract+title, year, year range, full text, publication, citations, refereed, collection, exact search, institution, and record type. At the bottom of the page, there's a footer with copyright information for The SAO Astrophysics Data System, a list of resources, social media links, and project information including privacy policy and terms of use.

SciX Science Explorer

QUICK FIELD: author first author abstract year fulltext all search terms

Search...

Search Examples

| | | | |
|----------------|--------------------------|--------------|--------------------------|
| author | author:"pollock, craig" | citations | citations(abstract/JWST) |
| first author | author:"^pollock, craig" | refereed | property:refereed |
| abstract+title | abs:"plasma" | collection | collection:physics |
| year | year:2000 | exact search | =body:"reproducibility" |
| year range | year:2000-2005 | institution | inst:NASA |
| full text | full:"plasma" | record type | doctype:software |
| publication | bibstem:ApJ | | |

© The SAO Astrophysics Data System
help[at]scixplorer.org

SciX is a project created by the Astrophysics Data System (ADS), which is operated by the Smithsonian Astrophysical Observatory under NASA Cooperative Agreement 80NSSC21M0056.

CENTER FOR ASTROPHYSICS
HARVARD & MIT-CAMBRIDGE

NASA
Partner

*The material contained in this document is based upon work supported by a National Aeronautics and Space Administration (NASA) grant or cooperative agreement. Any opinions, findings, conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA.

RESOURCES
About SciX
Give Feedback
SciX Help
Careers@SciX
Accessibility
NASA Science Discovery Engine

SOCIAL
@scixcommunity
SciX Blog

PROJECT
Privacy Policy
Terms of Use
Smithsonian Astrophysical Observatory
Smithsonian Institution
NASA

<https://SciXplorer.org>

Results!

Then what?

- Look interesting?
- Keep exploring!
 - OA versions
 - Citations
 - References
 - Similar papers
 - Software
 - Datasets
 - Metrics

<https://SciXplorer.org>

SciX BETA

General Science

Feedback

ORCID

About

Account

Back to Results

Abstract

Citations

References

Co-Reads

Similar Papers

Volume Content

Graphics

Metrics

Export Citation

Forming Relic Cratered Blocks: Left Lateral Shear on Enceladus Inferred From Ice Shell Deformation in the Leading Hemisphere

Leonard, E. J. ; Yin, A. ; Pappalardo, R. T. [show list](#)

Full Text Sources

Other Resources

Data Products

PDS

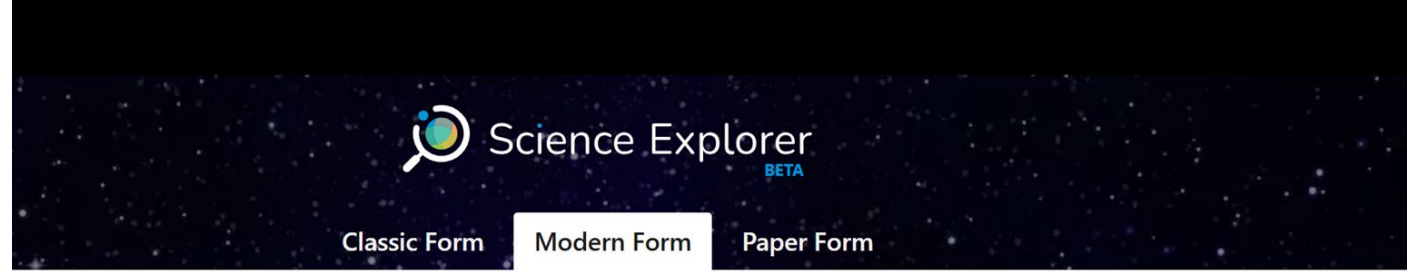
USGS

The Leading Hemisphere of Enceladus has experienced distributed deformation expressed by the pervasive development of long ductile strike slip shear zones and sparsely distributed craters. Within the zone of the LHT, the ice shell is composed of deformed semirigid blocks up to 10–20 km in size with surfaces dominated by impact craters. The ice blocks display ductile drag folds and smeared tails of rigid fragments, which are associated with ductile strike slip shear. Kinematic analysis requires the development of the LHT to have been driven mainly by toroidal flow of the ice shell material. Additionally, the structural mapping quantifies the shear strain magnitude (2.8) and minimum strain rate (10^{-17} s^{-1}). If the observed deformation induced by tidal stress, the estimated ice shell deformation requires a high heat flux ($\sim 0.13 \text{ W/m}^2$) and a thin brittle layer ($\sim 4 \text{ km}$) during the development of the LHT. However, the observed deformation may have formed under high stresses, exceeding 1 MPa and a heat flux similar to the current background observed today.

| | |
|------------------|---|
| Publication | Journal of Geophysical Research: Planets, Volume 126, Issue 2, article id. e06499 |
| Publication Date | 2021-02-00 |
| DOI | 10.1029/2020JE006499 |
| Bibcode | 2021JGRE..12606499L |
| Keyword(s) | Enceladus icy satellites planetary science tectonics |

Feedback/Corrections?

First Author Search



QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

`first_author:""`

Search Examples

| | | |
|----------------|--|--------------|
| author | <code>author:"huchra, john"</code> | citation |
| first author | <code>first_author:"huchra, john"</code> | reference |
| abstract+title | <code>abs:"dark energy"</code> | collection |
| year | <code>year:2000</code> | exact search |
| year range | <code>year:2000-2005</code> | institution |
| full text | <code>full:"super Earth"</code> | record type |
| publication | <code>bibstem:ApJ</code> | |

first author
Search by first author of the paper
Syntax:
`first_author:"Last, F"`
Example:
`first_author:"huchra, j"`

Hover over field dropdown menu for help

Too Much of a Good Thing

Original request

QUICK FIELD: **author** first author abstract year fulltext all search terms

first_author:"van de Kamp"

Your search returned 352 results

352 results returned

Filters

Year(s)

1922 2024

Author

- van de Kamp, P 301 >
- van de Kamp, M 27 >
- Vysotsky, A 17 >
- Lippincott, S 10 >
- van de Kamp, T 6 >
- Leake, B 5 >
- Baumbach, T 4 >
- Riedel, A 4 >
- Salonen, E 4 >
- Tervonen, J 4 >

Collections

- astronomy 289
- physics 52
- earthscience 39
- general 12

Refereed

- refereed 246
- notrefereed 106

Institutions

Keywords

Publications

Bibgroups

SIMBAD Objects

Relevance

Select All

Bulk Actions Explore

- ☐ **Astrometric study of Barnard's star from 1963 taken with the 24-inch Sproul refractor.**
van de Kamp, P; [show details](#)
1963/09 · The Astronomical Journal · cited: 76
- ☐ **Principles of astrometry**
Van De Kamp, Peter; [show details](#)
1967/00 · San Francisco: Freeman · cited: 125
- ☐ **Alternate dynamical analysis of Barnard's star.**
van de Kamp, P; [show details](#)
1969/08 · The Astronomical Journal · cited: 42
- ☐ **The Nearby Stars**
van de Kamp, Peter; [show details](#)
1971/00 · Annual Review of Astronomy and Astrophysics · cited: 88
- ☐ **Quantum gravity witness via entanglement of masses: Casimir screening**
van de Kamp, Thomas W.; Marshman, Ryan J; Bose, Sougato; Mazumdar, Anupam; [show details](#)
2020/12 · Physical Review A · cited: 92
- ☐ **Smectite-illite-Muscovite Transformations, Quartz Dissolution, and Silica Release in Shales**
van de Kamp, Peter C.; [show details](#)
2008/02 · Clays and Clay Minerals · cited: 94
- ☐ **Parallax, Proper Motion, Acceleration, and Orbital Motion of Barnard's Star**
van de Kamp, Peter; [show details](#)
1969/03 · The Astronomical Journal · cited: 26
- ☐ **Unseen astrometric companions of stars.**
van de Kamp, P; [show details](#)
1975/00 · Annual Review of Astronomy and Astrophysics · cited: 48
- ☐ **A model providing long-term data sets of energetic electron precipitation during geomagnetic storms**
van de Kamp, M.; Seppälä, A.; Cilver, M. A.; Rodger, C. J.; Verronen, P. T.; Whittaker, I. C.; [show details](#)
2016/10 · Journal of Geophysical Research (Atmospheres) · cited: 64

Sort order, decreasing relevance by default

<https://SciXplorer.org>

Sorting Your Results

SciX Default: Relevance,
Most relevant first

Reverse the sort order for a
particular criterion

ADS Default: Date,
most recent first

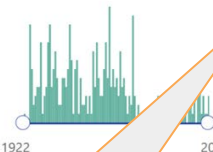
QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

first_author:"van de Kamp"

Your search returned 352 results

Filters

Year(s)



1922 2024

Author(s)

- [van de Kamp, P.](#) 301 >
- [van de Kamp, M.](#) 27 >
- [van de Kamp, A.](#) 17 >
- [van de Kamp, S.](#) 10 >
- [van de Kamp, T.](#) 6 >
- [Leake, B.](#) 5 >
- [Baumbach, T.](#) 4 >
- [van de Kamp, P.](#) 4 >
- [van de Kamp, M.](#) 4 >
- [van de Kamp, A.](#) 4 >
- [van de Kamp, S.](#) 4 >
- [van de Kamp, T.](#) 4 >

Collections

- ☐ astronomy 289
- ☐ physics 52
- ☐ earthscience 39
- ☐ general 12

Refereed

- ☐ refereed 246
- ☐ notrefereed 106

Institutions

Keywords

Publications

Bibgroups

SIMBAD Objects

NED Objects

Relevance

- Relevance
- Date
- Author Count
- Citation Count
- Entry Date
- First Author
- Normalized Citation Count
- Read Count

Bulk Actions **Explore**

1. [Barnard's star from plates taken with the 24-inch Sproul refractor.](#)
van de Kamp, P.; [show details](#)
1971/00 - *Annual Review of Astronomy and Astrophysics* - cited: 76

2. [The Nearby Stars](#)
van de Kamp, Peter; [show details](#)
1971/00 - *Annual Review of Astronomy and Astrophysics* - cited: 88

3. [Quantum gravity witness via entanglement of masses: Casimir screening](#)
van de Kamp, Thomas W.; Marshman, Ryan J.; Bose, Sougato; Mazumdar, Anupam; [show details](#)
2020/12 - *Physical Review A* - cited: 92

4. [Smectite-Illite-Muscovite Transformations, Quartz Dissolution, and Silica Release in Shales](#)
van de Kamp, Peter C.; [show details](#)
2008/02 - *Clays and Clay Minerals* - cited: 94

5. [Parallax, Proper Motion, Acceleration, and Orbital Motion of Barnard's Star](#)
van de Kamp, Peter; [show details](#)
1969/03 - *The Astronomical Journal* - cited: 26

6. [Unseen astrometric companions of stars.](#)
van de Kamp, P.; [show details](#)
1975/00 - *Annual Review of Astronomy and Astrophysics* - cited: 48

7. [A model providing long-term data sets of energetic electron precipitation during geomagnetic storms](#)
van de Kamp, M.; Seppälä, A.; Ciliverd, M. A.; Rodger, C. J.; Verronen, P. T.; Whittaker, I. C.; [show details](#)
2016/10 - *Journal of Geophysical Research (Atmospheres)* - cited: 64

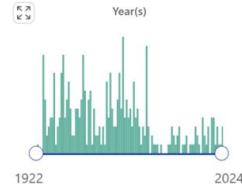
Refine by Name

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

first_author:"van de Kamp"

Your search returned 352 results

Filters



| Author | |
|--|-----|
| <input checked="" type="checkbox"/> van de Kamp, P | 301 |
| <input checked="" type="checkbox"/> van de Kamp, Peter | 153 |
| <input checked="" type="checkbox"/> van de Kamp, P | 128 |
| <input type="checkbox"/> van de Kamp, Peter C | 9 |
| <input type="checkbox"/> van de Kamp, P C | 7 |
| <input checked="" type="checkbox"/> van de Kamp, Piet | 3 |
| <input type="checkbox"/> van de Kamp, Peter... | 1 |
| <input type="checkbox"/> van de Kamp, M | 27 |
| <input type="checkbox"/> Vyssotsky, A | 17 |
| <input type="checkbox"/> Lippincott, S | 10 |
| <input type="checkbox"/> van de Kamp, T | 6 |
| <input type="checkbox"/> Leake, B | 5 |
| <input type="checkbox"/> Baumbach, T | 4 |
| <input type="checkbox"/> Riedel, A | 4 |
| <input type="checkbox"/> Salonen, E | 4 |
| <input type="checkbox"/> Tervonen, J | 4 |

| Collections | |
|---------------------------------------|-----|
| <input type="checkbox"/> astronomy | 289 |
| <input type="checkbox"/> physics | 52 |
| <input type="checkbox"/> earthscience | 39 |
| <input type="checkbox"/> general | 12 |
| Refereed | |
| <input type="checkbox"/> refereed | 246 |
| <input type="checkbox"/> notrefereed | 106 |

Variants on the requested
“van de Kamp” name
among the results

Other authors who
contributed to the papers
among the results

Option to Limit authors,
which can be combined with
“And” or “Or”
Option to Exclude authors

| Relevance | |
|-------------------------------------|--|
| <input type="checkbox"/> Select All | Bulk Actions Explore |
| 1 <input type="checkbox"/> | Astrometric study of Barnard's star from plates taken with the 24-inch Sproul refractor. van de Kamp, P.; show details 1963/09 · The Astronomical Journal · cited: 76 |
| 2 <input type="checkbox"/> | Principles of astrometry Van De Kamp, Peter; show details 1967/00 · San Francisco: Freeman · cited: 125 |
| 3 <input type="checkbox"/> | Alternate dynamical analysis of Barnard's star. van de Kamp, P.; show details 1969/08 · The Astronomical Journal · cited: 42 |
| 4 <input type="checkbox"/> | The Nearby Stars van de Kamp, Peter; show details 1971/00 · Annual Review of Astronomy and Astrophysics · cited: 88 |
| 5 <input type="checkbox"/> | Quantum gravity witness via entanglement of masses: Casimir screening van de Kamp, Thomas W.; Marshman, Ryan J.; Bose, Sougato; Mazumdar, Anupam; show details 2020/12 · Physical Review A · cited: 92 |
| 6 <input type="checkbox"/> | Smectite-Illite-Muscovite Transformations, Quartz Dissolution, and Silica Release in Shales van de Kamp, Peter C.; show details 2008/02 · Clays and Clay Minerals · cited: 94 |
| 7 <input type="checkbox"/> | Parallax, Proper Motion, Acceleration, and Orbital Motion of Barnard's Star van de Kamp, Peter; show details 1969/03 · The Astronomical Journal · cited: 26 |
| 8 <input type="checkbox"/> | Unseen astrometric companions of stars. van de Kamp, P.; show details 1975/00 · Annual Review of Astronomy and Astrophysics · cited: 48 |
| 9 <input type="checkbox"/> | A model providing long-term data sets of energetic electron precipitation during geomagnetic storms van de Kamp, M.; Seppälä, A.; Ciliverd, M. A.; Rodger, C. J.; Verronen, P. T.; Whittaker, I. C.; show details 2016/10 · Journal of Geophysical Research (Atmospheres) · cited: 64 |

Only consider refereed papers

Limit your search to refereed papers
Exclude nonrefereed articles.

QUICK FIELD: author first author abstract year fulltext all search terms

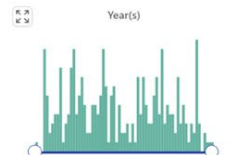
first_author:"van de Kamp"

Your search returned 288 results

author: van de Kamp, Peter Of

Remove all filters

Filters



- Author
- Collections
- Refereed
 - ☒ refereed 194
 - ☐ notrefereed 94
- Institutions
- Keywords
- Publications
- Bibgroups
- SIMBAD Objects
- NED Objects
- Data
- VizieR Tables
- Publication Type
- Planetary Features
- UAT

Show hidden filters (0)

Relevance

Select All

1 ☐ Astrometric study of Barnard's star from van de Kamp, P.; [show details](#)
1963/09 · The Astronomical Journal · cited: 76

2 ☐ Principles of astrometry Van De Kamp, Peter; [show details](#)
1967/00 · San Francisco: Freeman · cited: 125

3 ☐ Alternate dynamical analysis of Barnard's star. van de Kamp, P.; [show details](#)
1969/08 · The Astronomical Journal · cited: 42

4 ☐ The Nearby Stars van de Kamp, Peter; [show details](#)
1971/00 · Annual Review of Astronomy and Astrophysics · cited: 88

5 ☐ Parallax, Proper Motion, Acceleration, and Orbital Motion of Barnard's Star van de Kamp, Peter; [show details](#)
1969/03 · The Astronomical Journal · cited: 26

6 ☐ Unseen astrometric companions of stars. van de Kamp, P.; [show details](#)
1975/00 · Annual Review of Astronomy and Astrophysics · cited: 48

7 ☐ The planetary system of Barnard's star van de Kamp, P.; [show details](#)
1982/00 · Vistas in Astronomy · cited: 21

8 ☐ Stellar Paths van de Kamp, P.; [show details](#)
1981/10 · Astrophysics and Space Science Library · cited: 43

Feedback menu,
including option for
submitting missing
articles

Feedback ORCID About

- Missing/Incorrect Record
- Missing References
- Associated Articles
- General Feedback

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

first_author:"van de Kamp"

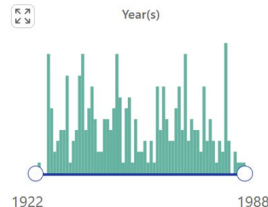
Your search returned 194 results

[author: van de Kamp, Peter Of](#) [property: refereed](#)

[Remove all filters](#)

Filters

Year(s)



Author

- ☐ van de Kamp, P 284 >
- ☐ Vyssotsky, A 17 >
- ☐ Lippincott, S 10 >

Relevance

☐ Select All

1

[Astrometric study of Barnard's star from plates taken with the 24-inch Sproul refractor.](#)

van de Kamp, P.; [show details](#)
1963/09 · The Astronomical Journal · cited: 76

2

[Alternate dynamical analysis of Barnard's star.](#)

van de Kamp, P.; [show details](#)
1969/08 · The Astronomical Journal · cited: 42

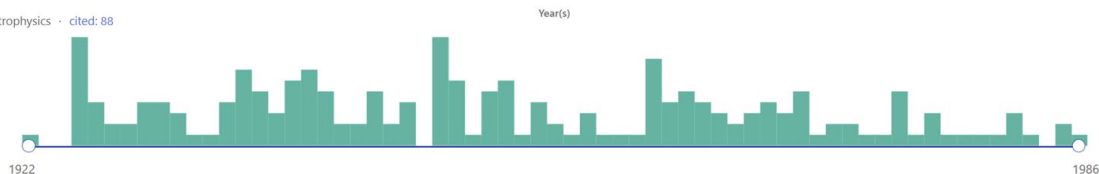
3

[The Nearby Stars](#)

van de Kamp, Peter; [show details](#)
1971/00 · Annual Review of Astronomy and Astrophysics · cited: 88

Limit by publication year

Earlier filters applied



Filters

Author

- ☐ van de Kamp, P 191 >
- ☐ Vyssotsky, A 10 >
- ☐ Lippincott, S 8 >

Relevance

☐ Select All

1

[Astrometric study of Barnard's star from plates taken with the 24-inch Sproul refractor.](#)

van de Kamp, P.; [show details](#)
1963/09 · The Astronomical Journal · cited: 76

[Bulk Actions](#)

[Explore](#)

<https://SciXplorer.org>

Move these dots to adjust the time limits

Results View

<https://SciXplorer.org>

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

first_author:"van de Kamp"

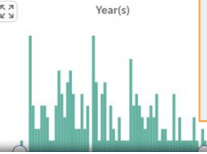
Your search returned 194 results

[author: van de Kamp, Peter Of](#) [property: refereed](#)

[Remove all filters](#)

Filters

Year(s)



Cited 42 times

Bulk Actions

Explore

plates taken with the 24-inch Sproul refractor.

Alternate dynamical analysis of Barnard's star.

van de Kamp, P.; [show details](#)

1969/08 · The Astronomical Journal · cited: 42

Basic bibliographic information:
title, author list, publication
date, journal

Resources available:
full-text, references or
citations, and data

Options to share article:
By copying abstract URL
or By copying citation

Results View

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

Your search returned **194** results

[author: van de Kamp, Peter Of](#) [property: refereed](#)

[Remove all filters](#)

Filters

Year(s)

Relevance

☐ Select All

[Bulk Actions](#) [Explore](#)

1 ☐ **Astrometric study of Barnard's star from plates taken with the 24-inch Sproul refractor.**
van de Kamp, P.; [show details](#)
1963/09 · The Astronomical Journal · cited: 76

Alternate dynamical analysis of Barnard's star.

van de Kamp, P.; [show details](#)

1969/08 · The Astronomical Journal · cited: 42



ADS PDF
 ADS Scanned Article

Citations (42)
References (2)

SIMBAD

Copy URL
Copy Citation

Results View

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

first_author:"van de Kamp"

Your search returned 352 results

Filters

Year(s)

1922 2024

Author

van de Kamp, P

301

>

van de Kamp, M

27

>

Vysotsky, A

17

>

Lippincott, S

10

>

van de Kamp, T

6

>

Leake, B

5

>

Baumbach, T

4

>

Riedel, A

4

>

Salonen, E

4

>

Tervonen, J

4

>

Author list for

Quantum gravity witness via entanglement of masses: Casimir screening

Search authors

| | NAME | ORCID | AFFILIATION |
|---|------------------------|-------|---|
| 1 | van de Kamp, Thomas W. | | University of Groningen P.O. Box 72, 9700 Groningen, The Netherlands |
| 2 | Marshman, Ryan J. | | Department of Physics and Astronomy, University College London, Gower Street, WC1E 6BT London, United Kingdom |
| 3 | Bose, Sougato | | Department of Physics and Astronomy, University College London, Gower Street, WC1E 6BT London, United Kingdom |
| 4 | Mazumdar, Anupam | | Van Swinderen Institute, University of Groningen, 9747 AG Groningen, The Netherlands |

5

Quantum gravity witness via entanglement of masses: Casimir screening

van de Kamp, Thomas W.; Marshman, Ryan J.; Bose, Sougato; Mazumdar, Anupam; [show details](#)

2020/12 · Physical Review A · cited: 92

5

Quantum gravity witness via entanglement of masses: Casimir screening

van de Kamp, Thomas W.; Marshman, Ryan J.; Bose, Sougato; Mazumdar, Anupam; [show details](#)

2020/12 · Physical Review A · cited: 92

notrefereed 106

Institutions

Keywords

Publications

Bibgroups

SIMBAD Objects

Unseen astr

van de Kamp,

1975/00 · An

A model pr

van de Kamp,

2016/10 · Jou

Publisher Article

Preprint PDF

Preprint Article

on during geomagnetic storms

[show details](#)

Datasets available

1


Interannual variability in global biomass burning emissions from 1997 to 2004

van der Werf, G. R.; Randerson, J. T.; Giglio, L.; Collatz, G. J.; Kasibhatla, P. S.; Arellano, A. F., Jr.; [show details](#)

2006/08 · Atmospheric Chemistry & Physics · [cited: 1193](#)





ORNL DAAC

 EARTHDATA

Other DAACs

?

 **ORNL DAAC**
DISTRIBUTED ACTIVE ARCHIVE CENTER
FOR BIOGEOCHEMICAL DYNAMICS



Home

About Us

Get Data

Submit Data

Tools

Resources

Help

Sign in

Search

DAAC Home > Get Data > NASA Projects > Net Primary Productivity (NPP) > Landing page

NPP Multi-Biome: Gridded Estimates for Selected Regions Worldwide, 1954-1998, R3

Overview


| | |
|-----------|---|
| DOI | https://doi.org/10.3334/ORNLDAAC/614 |
| Version | 4 |
| Project | NPP |
| Published | 2013-08-29 |
| Usage | 1179 downloads |
| Citations | 18 publications cited this dataset |

Download Data 540.4 KB

User Guide

Description

This data set provides two data files (.csv format) containing gridded (0.5-degree) estimates of net primary productivity (NPP), elevation, temperature, precipitation, NDVI, and biome type for selected terrestrial regions of the world. The field data used to develop NPP estimates came from 15 worldwide data sources in several different biomes covering the period 1954-1998. NPP values were developed from natural resource field inventories (e.g., forest, rangeland, crop) at different scales, from plot to county; from data compiled from published literature and high resolution maps; from simulation models using key independent variables; from regression analyses with environmental variables; and by using relationships between remotely-sensed spectral vegetation indices and field observations. The first file,



Google Map data ©2024 Terms

Spatial Coverage

Bounding rectangle

N: 63.75

S: -33.75

E: 152.75

W: -122.25

Temporal Coverage

1954-01-01 to 1998-12-31

Abstract View

[Back to Results](#)

Full Text Sources

ADS

My Institution

Publisher

Data Products

Full Text Sources

References

Co-Reads

Volume Content

Graphics

Metrics

Unseen astrometric companions of stars.

van de Kamp, P. [show details](#)



Available information is collected on unseen stellar companions that have been revealed either as unresolved astrometric binaries found and studied from perturbations in the proper motion of a star previously considered single or as an irregularity in the orbital motion of a visual double star. Techniques and instruments used in long-focus photographic astrometry are described, well-established stellar perturbations are tabulated, and equations are presented for analyzing data on resolved as well as unresolved binaries. Methods are outlined for analyzing the dynamic and geometric elements of perturbations, and individual results are discussed for unseen companions investigated by long-focus photographic astrometry. These include the companions of BD +66 deg 34 A, mu Cas, epsilon Eri, Ross 614, alpha Oph, and Barnard's star.

Publication

In: Annual review of astronomy and astrophysics. Volume 13. (A76-10076 01-88) Palo Alto, Calif., Annual Reviews, Inc., 1975, p. 295-333. NSF-supported research.

Publication Date

1975-00-00

DOI

[10.1146/annurev.aa.13.090175.001455](https://doi.org/10.1146/annurev.aa.13.090175.001455)

Bibcode

1975ARA&A..13..295V

Keywords

Astrometry

Astronomical Photography

Binary Stars

Companion Stars

Stellar Motions

Celestial Mechanics

Doppler Effect

Orbit Perturbation

Parallax

Space Density

Spectrometers

Stellar Luminosity

Stellar Mass

Astronomy

UAT Keywords (generated)

observational astronomy > ... > astrometry

stellar astronomy > ... > binary stars

stellar astronomy > ... > astrometric binary stars

Title and author list

Yup, actual abstract

Detailed bibliographic information

DOI for full article

Publisher or author assigned keywords

EXPERIMENTAL
AI-generated
keywords

Abstract View

[Back to Results](#)

Full Text Sources

My Institution

APS

Preprint

Data Products

Related Materials

Abstract

Citations 92

References 61

Co-Reads

Similar Papers

Volume Content

Graphics

Export Citation

Quantum gravity witness via entanglement of masses: Casimir screening

van de Kamp, Thomas W. ; Marshman, Ryan J. ; Bose, Sougato; Mazumdar, Anupam [show details](#)

A recently proposed experimental protocol for quantum gravity induced entanglement of masses (QGEM) requires in principle realizable, but still very ambitious, set of parameters in matter-wave interferometry. Motivated by easing the experimental realization, in this paper, we consider the parameter space allowed by a slightly modified experimental design, which mitigates the Casimir potential between two spherical neutral test masses by separating the two macroscopic interferometers by a thin conducting plate. Although this setup will reintroduce a Casimir potential between the conducting plate and the masses, there are several advantages of this design. First, the quantum gravity induced entanglement between the two superposed masses will have no Casimir background. Secondly, the matter-wave interferometry itself will be greatly facilitated by allowing both the mass 10^{-16} - 10^{-15} kg and the superposition size $\Delta x \sim 20$ pm to be one-two order of magnitude smaller than those proposed earlier, and thereby also two orders of magnitude smaller magnetic field gradient of 10^4 mG that superposition through the Stern-Gerlach effect. In this context, we will further investigate the collisional decoherences and decoherence due to the modes of the conducting plate.

| | |
|--------------------|--|
| Publication | Physical Review A, Volume 102, Issue 6, article id.062807 |
| Publication Date | 2020-12-00 |
| DOI | 10.1103/PhysRevA.102.062807 10.48550/arXiv.2006.06931 |
| arXiv | arXiv:2006.06931 |
| Bibcode | 2020PhRvA.102f2807V |
| Keywords | Quantum Physics Condensed Matter - Mesoscale and Nanoscale Physics General Relativity and Quantum Cosmology |
| E-Print Comment(s) | 13 Pages, 6 Figures; Phys. Rev. A 102, 062807 (2020); doi:10.1103/PhysRevA.102.062807 |

Open
access
preprints
available

Publisher's version
of record is NOT
open access

DOIs from
publisher &
arXiv

Something missing or
incorrect?
Let us know.
Curators standing by.

Abstract View

<https://SciXplorer.org>

Back to Results

Full Text Sources

ADS

My Institution

Publisher

Data Products

Related Materials

Abstract

Citations47

References55

Co-Reads

Similar Papers

Volume Content

Graphics

Metrics

Export Citation

Papers that cite

Unseen astrometric companions of stars.

View as search results

1

A Sun-like star orbiting a black hole

El-Badry, Kareem; Rix, Hans-Walter; Quataert, Eliot; Howard, Andrew W.; Isaacson, Howard; Fuller, Jim; Hawkins, Keith; Breivik, Katelyn; Wong, Kaze W. K.; Rodriguez, Antonio C.; *and 11 more*

2023/01 · Monthly Notices of the Royal Astronomical Society · cited: 110

2

Gaia's binary star renaissance

El-Badry, Kareem; *show details*

2024/06 · New Astronomy Reviews · cited: 15

3

Stellar Multiplicity

Duchêne, Gaspard; Kraus, Adam; *show details*

2013/08 · Annual Review of Astronomy and Astrophysics · cited: 1106

4

Unresolved stellar companions with Gaia DR2 astrometry

Belokurov, Vasily; Penoyre, Zephyr; Oh, Semyeong; Iorio, Giuliano; Hodgkin, Simon; Evans, N. Wyn; Everall, Andrew; Koposov, Sergey E.; Tout, Christopher A.; Izzard, Robert; *and 2 more*

2020/08 · Monthly Notices of the Royal Astronomical Society · cited: 272

5

Triage of the Gaia DR3 astrometric orbits - I. A sample of binaries with probable compact companions

Shahaf, S.; Bashl, D.; Mazeh, T.; Faigler, S.; Arenou, F.; El-Badry, K.; Rix, H. W.; *show details*

2023/01 · Monthly Notices of the Royal Astronomical Society · cited: 37

6

The Solar Neighborhood. XLV. The Stellar Multiplicity Rate of M Dwarfs Within 25 pc

Winters, Jennifer G.; Henry, Todd J.; Jao, Wei-Chun; Subasavage, John P.; Chatelain, Joseph P.; Slatten, Ken; Riedel, Adric R.; Silverstein, Michele L.; Payne, Matthew J.; *show details*

2019/06 · The Astronomical Journal · cited: 152

7

Detecting Detached Black Hole binaries through Photometric Variability

Chawla, Chirag; Chatterjee, Sourav; Shah, Neev; Breivik, Katelyn; *show details*

2023/10 · arXiv e-prints · cited: 3

8

Determining the true mass of radial-velocity exoplanets with Gaia. Nine planet candidates in the brown dwarf or stellar regime and 27 confirmed planets

Kiefer, F.; Hébrard, G.; Lecavelier des Etangs, A.; Martioli, E.; Dalal, S.; Vidal-Madjar, A.; *show details*

2021/01 · Astronomy and Astrophysics · cited: 25

Abstract View

[Back to Results](#)

Full Text Sources

ADS

My Institution

Publisher

Data Products

Related Materials

Abstract

Citations47

References55

Co-Reads

Similar Papers

Volume Content

Graphics

Metrics

Export Citation

Metrics for Unseen astrometric companions of stars.

Citations

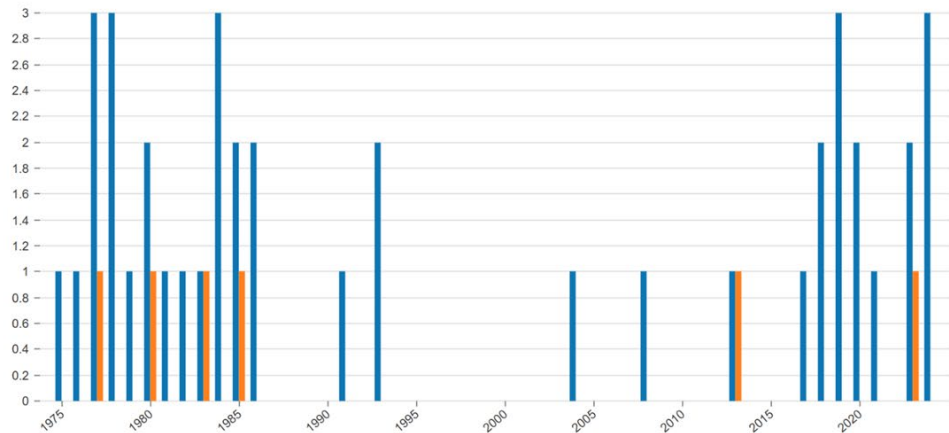
[Download CSV Data](#)

| | |
|-------------------------------|----|
| Total citations | 47 |
| Normalized citations | 47 |
| Refereed citations | 41 |
| Normalized refereed citations | 41 |

Total Normalized

☐ Stacked ☒ Grouped

Citations from ref. papers
Citations from non ref. papers



Abstract View

[< Back to Results](#)

Full Text Sources

ADS

My Institution

Publisher

Data Products

Related Materials

Abstract

Citations 47

References 55

Co-Reads

Similar Papers

Volume Content

Graphics

Metrics

Export Citation

Export citation for Unseen astrometric companions of stars.

Exporting record 1 to 1 (total: 1)

Built-in Formats

Custom Formats

Download to file

Copy to Clipboard

Format

RIS

JATS-XML

MEDLARS

MNRAS

ProCite

REFABS-XML

RefWorks

REF-XML

RIS

TY - JOUR
TI - Unseen astrometric companions of stars.
AU - van de Kamp, P.
AD - AA(Swarthmore College, Department of Physics and Astronomy)
JO - Annual Review of Astronomy and Astrophysics
VL - 13
Y1 - 1975/01/1
SP - 295
EP - 333
KW - Astrometry
KW - Astronomical Photography
KW - Binary Stars
KW - Companion Stars
KW - Stellar Motions
KW - Celestial Mechanics
KW - Doppler Effect
KW - Orbit Perturbation
KW - Parallax
KW - Space Density
KW - Spectrometers

Position: Second Author Search

The screenshot shows the SciXplorer search interface. At the top, there is a 'QUICK FIELD' dropdown menu with options: **author**, **first author**, **abstract**, **year**, **fulltext**, and **all search terms**. The search bar contains the query `pos(author:"van de Kamp, P", 2)`. Below the search bar, it says 'Your search returned 12 results'. On the left, there is a 'Filter' section with a bar chart and a 'Year(s)' label. In the center, there is a 'Relevance' dropdown menu and a 'Select All' checkbox. Below this, a search result is displayed with the title 'Hump-shaped $^{40}\text{Ar}/^{39}\text{Ar}$ age spectra in K-feldspar and evidence for Cretaceous authigenesis in the Fountain' and the author 'Andrew C.; van de Kamp, Peter C.; [show details](#)'. On the right, there are 'Bulk Actions' and 'Explore' buttons. Annotations with yellow boxes and lines point to specific parts of the interface: 'Initial position to search' points to the 'author' field; 'Position operator' points to the 'pos' operator in the query; 'Field to search with value to find' points to the 'author' field in the query; and 'van de Kamp is second author' points to the author name in the search results.

QUICK FIELD: **author** first author abstract year fulltext all search terms

pos(author:"van de Kamp, P", 2)

Your search returned 12 results

Filter

Year(s)

Relevance

Select All

Hump-shaped $^{40}\text{Ar}/^{39}\text{Ar}$ age spectra in K-feldspar and evidence for Cretaceous authigenesis in the Fountain

Andrew C.; van de Kamp, Peter C.; [show details](#)

Bulk Actions Explore

Position operator

Initial position to search

Field to search with value to find

van de Kamp is second author

Position: Second or Third Author Search

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

pos(author:"Shoemaker, C",2,3)

Your search returned 86 results

data astronomy x

Remove

Position operator

Field to search with value to find

Beginning and end of range to search

Relevance

Select All

Bulk Actions Explore

1 ☐ [dme65/pySOT: v0.1.35](#)
Eriksson, David; Bindel, David; Shoemaker, Christine; [show details](#)
2017/04 · Zenodo · cited: 5

2 ☐ [Dynamical evolution of Jupiter's Trojan asteroids](#)
Levison, Harold F.; Shoemaker, Eugene M.; Shoemaker, Carolyn S.; [show details](#)
1997/01 · Nature · cited: 135

3 ☐ [The Proterozoic impact record of Australia](#)
Shoemaker, E. M.; Shoemaker, C. S.; [show details](#)
1996/06 · Journal of Australian Geology and Geophysics

C. Shoemaker is third author

C. Shoemaker is second author

Year(s)

1981 2017

Author

- ☐ Shoemaker, C 86 >
- ☐ Shoemaker, E 71 >
- ☐ Levy, D 23 >

<https://SciXplorer.org>

Position: Last Author Search

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

Use -1 to search for last author

pos(author:"Shoemaker, C", -1)

Your search returned 175 results

Field to search and desired value

Position operator

Year(s)

Select All Bulk Actions Explore

1 ☐ dme65/pySOT: v0.1.35
Eriksson, David; Bindel, David; Shoemaker, Christine; [show details](#)
2017/04 · Zenodo · cited: 5

2 ☐ Dynamically dimensioned search algorithm for computationally efficient wa
Tolson, Bryan A.; Shoemaker, Christine A.; [show details](#)
2007/01 · Water Resources Research · cited: 375

3 ☐ The Dynamically Dimensioned Search (DDS) Algorithm as a Robust
Tolson, B. A.; Shoemaker, C. A.; [show details](#)
2006/12 · AGU Fall Meeting Abstracts

C. Shoemaker is last author (third author)

C. Shoemaker is last author (second author)

Author

| | |
|---------------------------------------|-------|
| <input type="checkbox"/> Shoemaker, C | 175 > |
| <input type="checkbox"/> Shoemaker, E | 31 > |
| <input type="checkbox"/> Klesius, P | 12 > |
| <input type="checkbox"/> Akhtar, T | 11 > |
| <input type="checkbox"/> Evans, I | 7 > |

Position Works on Title, Affiliation

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

all search terms

Initial position to search

pos(title:"M31",1)

Your search returned 177 results

Filters

Year(s)

Relevance

Field to search and desired value

☐ Select All

Bulk Actions

Explore

M31 Globular Clusters: Colors and Metallicities

Barmby, Pauline; Muebra, John P.; Brodie, Jean P.; Forbes, Duncan A.; Schroder, Linda L.; Grillmair, Carl J.; [show details](#)

2000/02 · The Astronomical Journal · cited: 10

Andromeda's Dust

Draine, B. T.; Aniano, G.; Krause, Oliver; Groves, Brent; Sandstrom, Karin; Braun, Robert; Leroy, Adam; Kla

2014/01 · The Astrophysical Journal · cited: 351

First word of title is M31

Position operator

M31 is a catalog designation for the Andromeda Galaxy

More about Positional Searches

<https://ui.adsabs.harvard.edu/help/search/positional>



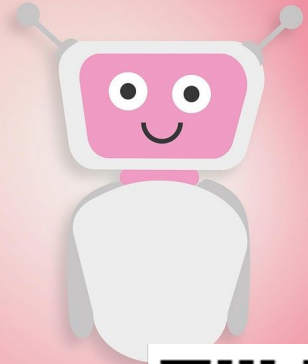
Get Help Getting Started

SciX Chat Assistant turns your natural language question into a structured query and returns results.

Get Advanced Help When You Need It

ADS Help Desk Assistant reveals all the features you did not know ADS or SciX has

ChatGPT
anyone?



Search by Topic

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

all search terms

abs:"water"



abstract

Search for word or phrase in abstract, title and keywords

Syntax:

abs:"phrase"

Example:

abs:"dark energy"

NEW USER Quick Start Guide

SciX has a user-friendly search interface. New users will have no trouble jumping in to explore.

Use the [quick start guide](#) to start your search of the portal and find out where to go with any questions about advanced tools and features.



<https://SciXplorer.org>

Limit the Collections Displayed

Limit your search to specific collections

<https://SciXplorer.org>

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

Your search returned **1,951,009** results

Filters

Year(s)

1533 2025

- > Author
- > Collections
 - ☐ earthscience 1549k
 - ☐ physics 906.5k
 - ☐ general 83.8k
 - ☐ astronomy 83.2k
- > Refereed
 - ☐ refereed 1498.4k
 - ☐ notrefereed 452.6k
- > Institutions
- > Keywords
- > Publications
- > Bibgroups
- > SIMBAD Objects
- > NED Objects
- > Data
- > Vizier Tables
- > Publication Type
- > Planetary Features
- > UAT

Show hidden filters (0)

Relevance

☐ Select All [Bulk Actions](#) [Explore](#)

- ☐ **Rapid determination of free proline for water-stress studies**
Bates, L. S.; Waldren, R. P.; Teare, I. D.; [show details](#)
1973/08 · Plant and Soil · cited: 4088
- ☐ **Interactions between groundwater and surface water: the state of the science**
Sophocleous, Marios; [show details](#)
2002/02 · Hydrogeology Journal · cited: 1011
- ☐ **Evaluation on the Quality of Bangkok Tap Water with Other Drinking Purpose Water**
Kordach, A.; Chardwattananon, C.; Wongin, K.; Chayaput, B.; Wongpat, N.; [show details](#)
2018/02 · E3S Web of Conferences · cited: 2
- ☐ **Recent developments in photocatalytic water treatment technology: A review**
Chong, Meng Nan; Jin, Bo; Chow, Christopher W. K.; Saint, Chris; [show details](#)
2010/00 · Water Research · cited: 1284
- ☐ **Microplastics in freshwaters and drinking water: Critical review and assessment of data quality**
Koelmans, Albert A.; Mohamed Nor, Nur Hazimah; Hermesen, Enya; Kooi, Merel; Mintenig, Svenja M.; De France, Jennifer; [show details](#)
2019/05 · Water Research · cited: 910
- ☐ **Global monthly water stress: 1. Water balance and water availability**
van Beek, L. P. H.; Wada, Yoshihide; Bierkens, Marc F. P.; [show details](#)
2011/07 · Water Resources Research · cited: 299
- ☐ **Reverse osmosis desalination: Water sources, technology, and today's challenges**
Greenlee, Lauren F.; Lawler, Desmond F.; Freeman, Benny D.; Marrot, Benoit; Moulin, Philippe; [show details](#)
2009/00 · Water Research · cited: 818
- ☐ **Measuring surface water from space**
Aldorf, Douglas E.; Rodríguez, Ernesto; Lettenmaier, Dennis P.; [show details](#)
2007/06 · Reviews of Geophysics · cited: 559

Limit to specific locations

Limit to certain named planetary features

<https://SciXplorer.org>

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

abs:water

Your search returned 46,058 results

database: astronomy x property: refereed x

[Remove all filters](#)

Filters

Year(s)

1686 2025

> Author

> Collections

> Refereed

> Planetary Features

- ☐ Mars 1.5k
- ☐ Crater 836
 - ☐ Gale 377
 - ☐ Gusev 244
 - ☐ Jezero 99
 - ☐ Holden 54
 - ☐ Eberswalde 51
 - ☐ Hale 36
 - ☐ Eagle 28
 - ☐ Columbus 25
 - ☐ Endeavour 22
 - ☐ Mojave 20
- ☐ Vallis 656
- ☐ Planum 532
- ☐ Terra 462
- ☐ Mons 429
- ☐ Planitia 429
- ☐ Fossa 292
- ☐ Chasma 237
- ☐ Patera 157
- ☐ Chaos 143

Relevance

☐ Select All

1 ☐ **The Importance of Water for Life**
Westall, Frances; Brack, André; [show details](#)
2018/03 · Space Science Reviews · cited: 68

2 ☐ **Global depletion of groundwater resources**
Wada, Yoshihide; van Beek, Ludovicus P. H.; van Kempen, Cheryl M.; Reckman, Josef W. T. M.; Vasak, Slavek; Bierkens, Marc F. P.; [show details](#)
2010/10 · Geophysical Research Letters · cited: 951

3 ☐ **Water Absorption in the Transmission Spectrum of the Water World Candidate GJ 9827 d**
Roy, Pierre-Alexis; Benneke, Björn; Piaulet, Caroline; Gully-Santiago, Michael A.; Crossfield, Ian J. M.; Morley, Caroline V.; Kreidberg, Laura; Mikal-Evans, Thomas; Brande, Jonathan; Delisle, Simon; [and 9 more](#)
2023/09 · The Astrophysical Journal · cited: 17

4 ☐ **A model for the hydrologic and climatic behavior of water on Mars**
Clifford, S. M.; [show details](#)
1993/06 · Journal of Geophysical Research · cited: 592

5 ☐ **Retrieval of Thermally Resolved Water Vapor Distributions in Disks Observed with JWST-MIRI**
Romero-Mirza, Carlos E.; Banzatti, Andrea; Oberg, Karin I.; Pontoppidan, Klaus M.; Salyk, Colette; Najita, Joan; Blake, Geoffrey A.; Krijt, Sebastiaan; Arulanandham, Nicole; Pinilla, Paola; [and 6 more](#)
2024/11 · The Astrophysical Journal · cited: 7

6 ☐ **Serpentine and the subduction zone water cycle**
Rüpke, Lars H.; Morgan, Jason Phipps; Hort, Matthias; Connolly, James A. D.; [show details](#)
2004/06 · Earth and Planetary Science Letters · cited: 557

7 ☐ **Formation of Martian flood features by release of water from confined aquifers**
Carr, M. H.; [show details](#)
1979/06 · Journal of Geophysical Research · cited: 433

8 ☐ **Venus methane and water**
Donahue, T. M.; Hodges, R. R.; [show details](#)
1993/04 · Geophysical Research Letters · cited: 34

Filters applied: refereed papers in astronomy collection only

Explore a Topic

Explore menu provides tools to learn more

<https://SciXplorer.org>

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

Your search returned **161** results

[property: refereed](#) [Remove all filters](#)

Filters

Year(s)

2025

Author

- ☐ Wang, Z 4 >
- ☐ Yang, J 4 >
- ☐ Grey, S 3 >
- ☐ Zhang, Y 3 >
- ☐ Arachchige, S 2 >
- ☐ Balaguru, K 2 >
- ☐ Bennartz, R 2 >
- ☐ Bernstein, D 2 >

Collections

- ☐ earthscience 151
- ☐ physics 48
- ☐ general 9
- ☐ astronomy 2

Refereed

- ☐ refereed 161

Relevance

☐ Select All

Bulk Actions **Explore**

1 ☐ **Cumulative disaster exposure and hypertension among mothers who survived Hurricane Katrina**
Meadows, Marie-Claire; Desai, Mayur M; Zacher, Meghan; Lowe, Sarah R; [show details](#)
2025/06 · Environmental Research: Health

2 ☐ **Understanding hurricane evacuation behavior from Facebook**
Rashid, Md Mobasshir; Tirtha, Sudipta Dey; Eluru, N; [show details](#)
2025/01 · International Journal of Disaster Resilience

3 ☐ **Evacuation analysis with large-scale mobile device location data during hurricane Ian**
Lyu, Luyu; Zhang, Xiaojian; Jiang, Shangkun; Zhao, Xilei; [show details](#)
2025/02 · Transportation Research Part D: Transport and Environment

4 ☐ **Intensification of Hurricane Idalia by a river plume in the eastern Gulf of Mexico**
Shi, Jing; Hu, Chuanmin; Cannizzaro, Jennifer; Barnes, Brian; Zhang, Yingjun; Lembke, Chad; Henaff, Matthieu Le; [show details](#)
2025/02 · Environmental Research Letters

5 ☐ **Improving analogues-based detection & attribution approaches for hurricanes**
Bourdin, Stella; Camargo, Suzana J; Lee, Chia-Ying; Lin, Jonathan; Vrac, Mathieu; Vaittinada Ayar, Pradeebane; Faranda, Davide; [show details](#)
2025/02 · Environmental Research Letters

6 ☐ **Modeling evacuation activities amid compound hazards: Insights from hurricane Irma in Southeast Florida**
Han, Yu; Zhai, Wei; Mozumder, Pallab; van Westen, Cees; Chen, Changjie; [show details](#)
2025/01 · Travel Behaviour and Society

7 ☐ **Morphologic and sedimentological signatures resulting from Hurricane Ian, southwest Florida, USA: Insight into intra-storm bidirectional sediment transport processes**
McCormick, W. Mathew; Briggs, Tiffany Roberts; Hauptman, Leanne; Wang, Ping; [show details](#)
2025/02 · Geomorphology

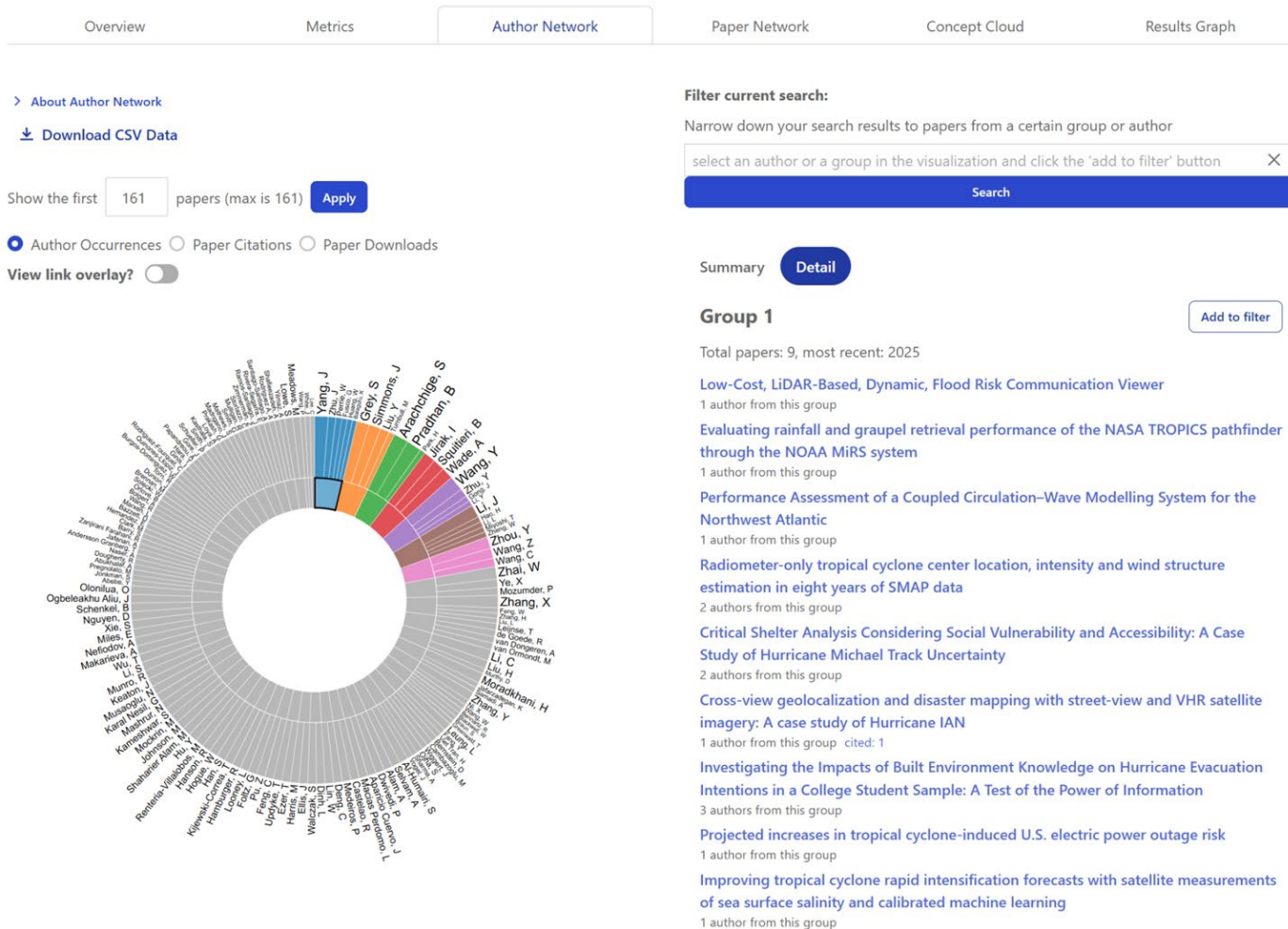
161 refereed articles about hurricanes published so far this year

Explore

- All
- Selected
- VISUALIZATIONS
 - Overview
 - Metrics
 - Author Network
 - Paper Network
 - Concept Cloud
 - Results Graph
- OPERATIONS
 - Trending
 - Reviews
 - Useful
 - Similar

Visualize Author Networks, or Collaboration

<https://SciXplorer.org>



Visualize Paper Networks Subtopics

<https://SciXplorer.org>

< Visualizations

Overview

Metrics

Author Network

Paper Network

Concept Cloud

Results Graph

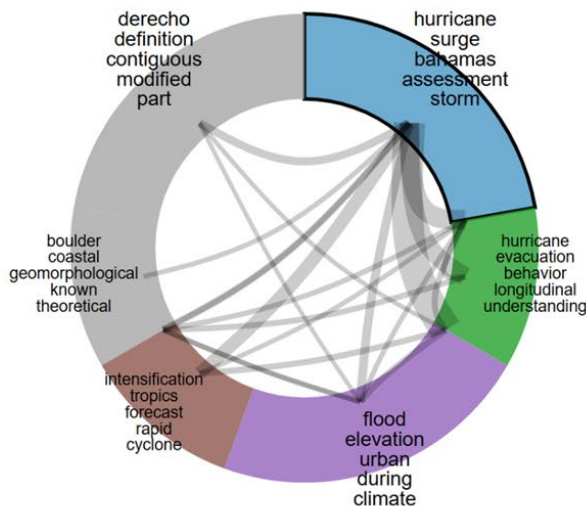
> About Paper Network

Download CSV Data

Show the first 161 papers (max is 161)

Apply

☐ Number of Papers ☒ Paper Citations ☐ Paper Downloads



Filter current search:

Narrow down your search results to papers from a certain group

select a group in the visualization and click the 'add to filter' button

X

Search

Summary

Detail

Group 1: hurricane, surge, bahamas, assessment, storm, case

Add to filter

This group consists of 25 papers, which have been cited, in total, 2 times.

Papers in this group

[Hurricane surge and inundation in the Bahamas, part 1: Storm surge model](#)

Grey, Stephen cited: 2

[Comparing surface currents near the mouth of three bays along the U.S. East Coast:](#)

[Chesapeake Bay, Delaware Bay, and New York Bay](#)

Ezer, Tal

[Decoding primary forest changes in Haiti and the Dominican Republic using Landsat time series](#)

Hong, Falu

[Passive microwave-based diagnostics of medicanes over the period 2000–2021](#)

Di Francesca, Valentina

[A 19th Century Stormwrecked Black-Capped Petrel From Vermont Offers Insight Into Historical Vagrancy Processes](#)

Patrick, Oliver W.

[Characteristics of Tropical Cyclone Outer Size and Structure Associated With Extratropical Transition](#)

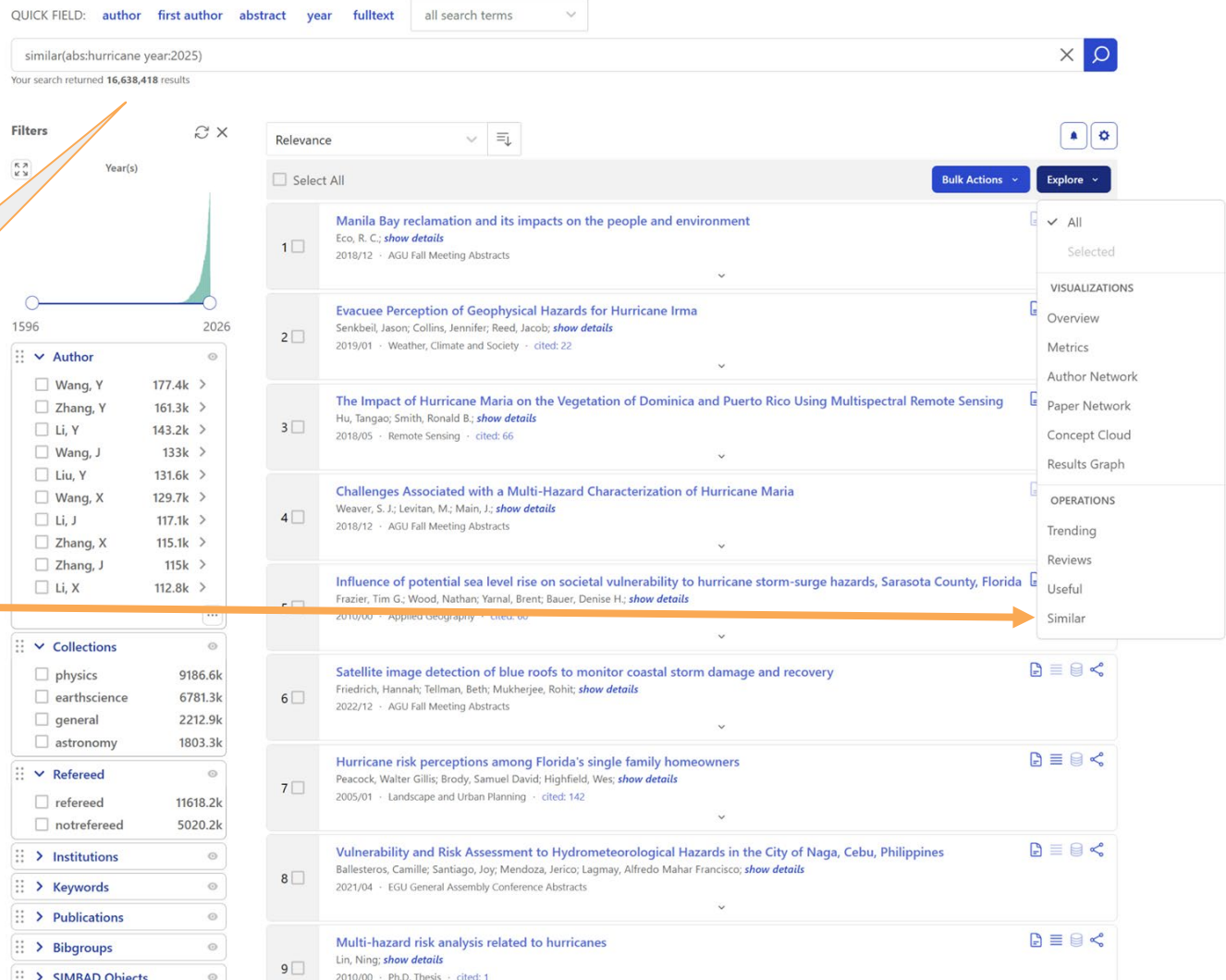
Nguyen, Dzuy

[Radiometer-only tropical cyclone center location, intensity and wind structure estimation in eight years of SMAP data](#)

Feng, He

What else should I read?

16,638,418 papers textually similar to the 161 papers we initially selected

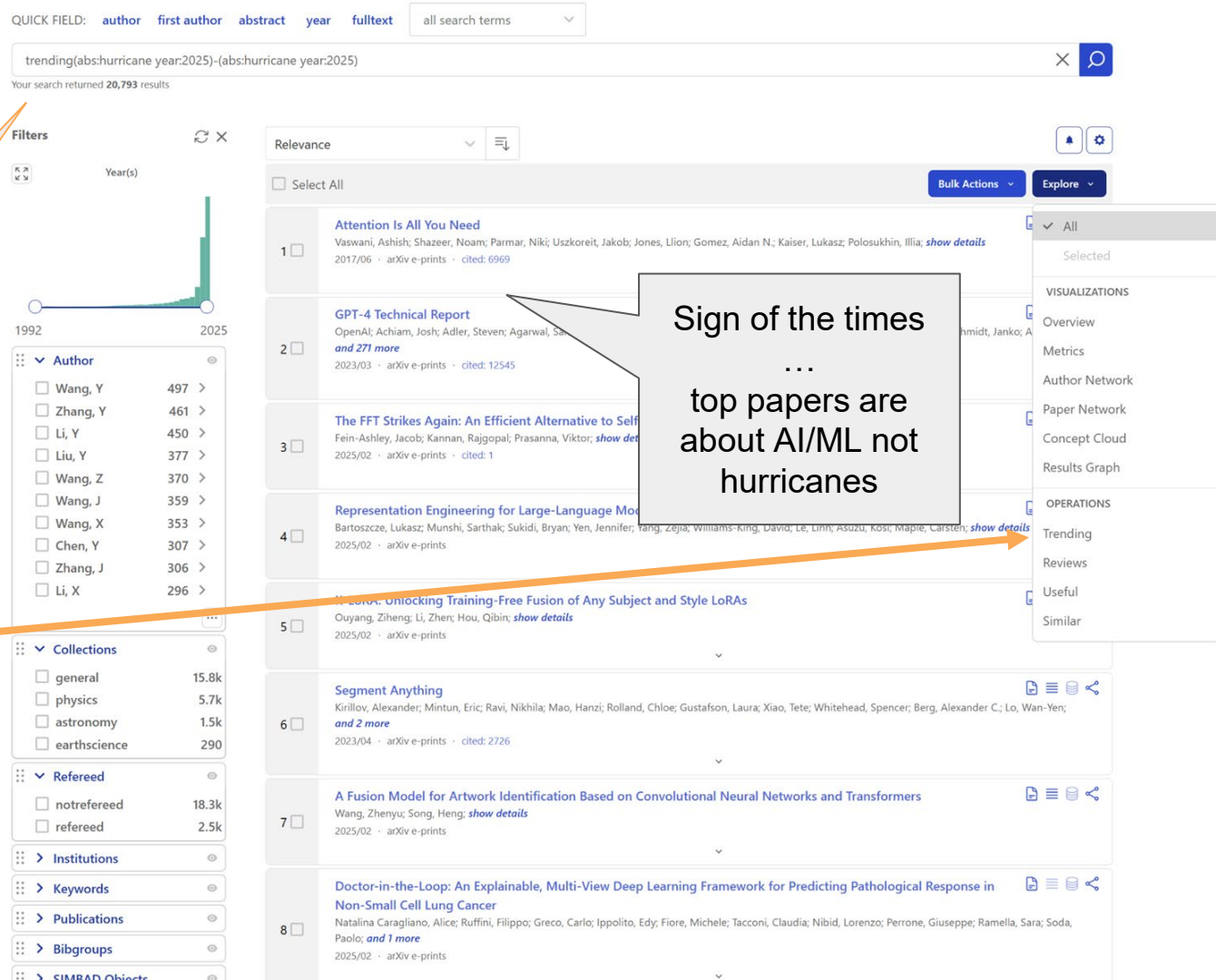


<https://SciXplorer.org>

What are others reading?

20,793 papers read by people who also read the 2025 hurricane papers

<https://SciXplorer.org>



What would be useful to me?

3,610 papers used to prepare the 2025 hurricane papers

<https://SciXplorer.org>

QUICK FIND: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#)

Your search returned 3,610 results

Filters

Year(s)

1900 2025

Author

- ☐ Wang, Y 48 >
- ☐ Emanuel, K 45 >
- ☐ Li, Y 34 >
- ☐ Wang, X 31 >
- ☐ Wang, Z 27 >
- ☐ Bates, P 26 >
- ☐ Zhang, J 26 >
- ☐ Zhang, Y 26 >
- ☐ Liu, Y 25 >
- ☐ Young, I 25 >

Collections

- ☐ earthscience 3.2k
- ☐ physics 2.1k
- ☐ general 368
- ☐ astronomy 178

Refereed

- ☐ refereed 3.5k
- ☐ notrefereed 155

Institutions

Keywords

Publications

Bibgroups

SIMBAD Objects

Relevance

☐ Select All

Bulk Actions **Explore**

1 ☐ [The ERA5 global reanalysis](#) [Claim](#)
Hersbach, Hans; Bell, Bill; Berrisford, Paul; Hirahara, Shoji; Horányi, András; Muñoz-Sabater, Joaquín; Nicolas, Julien; Peubey, Carole; Radu, Raluca; Scherrer, Pierre; Simmons, Iain; Stahler, Peter; Tsemneanu, Ioana; Uppala, Simeon; Viterbo, Pina; Vitart, Fabrice; and 10 more
2020/07 · Quarterly Journal of the Royal Meteorological Society · cited: 12605

2 ☐ [The International Best Track Archive for Climate Stewardship \(IBTrACS\)](#) [Claim](#)
Knapp, Kenneth R.; Kruk, Michael C.; Levinson, David H.; Diamond, Howard J.; Neumann, Charles J.; and 10 more
2010/03 · Bulletin of the American Meteorological Society · cited: 1757

3 ☐ [Tropical Cyclones and Climate Change Assessment: Part II: Projected Response to Anthropogenic Warming](#) [Claim](#)
Knutson, Thomas; Camargo, Suzana J.; Chan, Johnny C. L.; Emanuel, Kerry; Ho, Chang-Hoi; Kossin, James; Mohapatra, Mrutyunjay; Satoh, Masaki; Sugimoto, Naoki; Walsh, Kevin; and 10 more
2020/03 · Bulletin of the American Meteorological Society · cited: 569

4 ☐ [Atlantic Hurricane Database Uncertainty and Presentation of a New Database Format](#) [Claim](#)
Landsea, Christopher W.; Franklin, James L.; and 10 more
2013/10 · Monthly Weather Review · cited: 787

5 ☐ [Tropical cyclones and climate change](#) [Claim](#)
Knutson, Thomas R.; McBride, John L.; Chan, Johnny; Emanuel, Kerry; Holland, Greg; Landsea, Chris; Held, Isaac; Kossin, James P.; Srivastava, A. K.; Sugi, Masato; and 10 more
2010/03 · Nature Geoscience · cited: 1717

6 ☐ [Semiempirical Dissipation Source Functions for Ocean Waves. Part I: Definition, Calibration, and Validation](#) [Claim](#)
Ardhuin, Fabrice; Rogers, Erick; Babanin, Alexander V.; Filipot, Jean-François; Magne, Rudy; Roland, Aaron; van der Westhuisen, André; Queffelec, Pierre; Lefevre, Jean-Michel; Aouf, Lotfi; and 10 more
2010/09 · Journal of Physical Oceanography · cited: 537

7 ☐ [Tropical Cyclones and Climate Change Assessment: Part I: Detection and Attribution](#) [Claim](#)
Knutson, Thomas; Camargo, Suzana J.; Chan, Johnny C. L.; Emanuel, Kerry; Ho, Chang-Hoi; Kossin, James; Mohapatra, Mrutyunjay; Satoh, Masaki; Sugi, Masato; Walsh, Kevin; and 10 more
2019/10 · Bulletin of the American Meteorological Society · cited: 301

8 ☐ [Brazos River bar \[Texas\]: a study in the significance of grain size parameters](#) [Claim](#)
Folk, R. L.; Ward, W. C.; and 10 more
show details

Visualizations

- Overview
- Metrics
- Author Network
- Paper Network
- Concept Cloud
- Results Graph

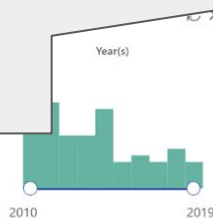
Operations

- Trending
- Reviews
- Useful
- Similar

QUICK FIELD: [author](#) [first author](#) [abstract](#) [year](#) [fulltext](#) [all search terms](#)

aff:"USNO"year:2010-2019

Your search returned 81 results



| Author | | |
|--------------------------|---------------|------|
| <input type="checkbox"/> | Henry, T | 12 > |
| <input type="checkbox"/> | Jao, W | 12 > |
| <input type="checkbox"/> | Fey, A | 10 > |
| <input type="checkbox"/> | Subasavage, J | 10 > |
| <input type="checkbox"/> | Winters, J | 10 > |
| <input type="checkbox"/> | Arlot, J | 9 > |
| <input type="checkbox"/> | Bosh, A | 9 > |
| <input type="checkbox"/> | Dieterich, S | 9 > |
| <input type="checkbox"/> | Lainey, V | 9 > |
| <input type="checkbox"/> | Levine, S | 9 > |

| Collections | | |
|--------------------------|--------------|----|
| <input type="checkbox"/> | astronomy | 80 |
| <input type="checkbox"/> | physics | 3 |
| <input type="checkbox"/> | earthscience | 1 |
| <input type="checkbox"/> | general | 1 |

| Refereed | | |
|--------------------------|-------------|----|
| <input type="checkbox"/> | notrefereed | 65 |
| <input type="checkbox"/> | refereed | 16 |

> Institutions

> Keywords

> Publications

> Bibgroups

> SIMBAD Objects

Relevance

☐ Select All

Bulk Actions

Explore

1 ☐ [The Fourth US Naval Observatory CCD Astrograph Catalog \(UCAC4\)](#)
 Zacharias, N.; Finch, C. T.; Girard, T. M.; Henden, A.; Bartlett, J. L.; Monet, D. G.; Zacharias, M. I.; [show details](#)
 2013/02 · The Astronomical Journal · cited: 1080

 Delete Claim

2 ☐ [A search for gravitationally lensed quasars and quasar pairs in Pan-STARRS: spectroscopy and sources of shear in the diamond 2M1134-2103](#)
 Rusu, Cristian E.; Berghea, Ciprian T.; Fassnacht, Christopher D.; More, Anupreet; Seman, Erica; Nelson, George J.; Chen, Geoff C.; [show details](#)
 2019/07 · Monthly Notices of the Royal Astronomical Society · cited: 25

 Claim

3 ☐ [Discovery of the First Quadruple Gravitationally Lensed Quasar Candidate with Pan-STARRS](#)
 Berghea, C. T.; Nelson, George J.; Rusu, C. E.; Keeton, C. R.; Dudik, R. P.; [show details](#)
 2017/08 · The Astrophysical Journal · cited: 26

 Claim

4 ☐ [A Global Astrometric Solution for Pan-STARRS Referenced to ICRF2](#)
 Berghea, C. T.; Makarov, V. V.; Frouard, J.; Hennessy, G. S.; Dorland, B. N.; Veillette, D. R.; Dudik, R. P.; Magnier, E. A.; Burgett, W. S.; Chambers, K. C.; [and 6 more](#)
 2016/09 · The Astronomical Journal · cited: 11

 Claim

5 ☐ [Precision measurement of the speed of propagation of neutrinos using the MINOS detectors](#)
 Adamson, P.; Anghel, I.; Ashby, N.; Aurisano, A.; Barr, G.; Bishai, M.; Blake, A.; Bock, G. J.; Bogert, D.; Bumgarner, R.; [and 115 more](#)
 2015/09 · Physical Review D · cited: 24

 Claim

6 ☐ [Toward the ICRF3: Astrometric Comparison of the USNO 2016A VLBI Solution with ICRF2 and Gaia DR1](#)
 Frouard, Julien; Johnson, Megan C.; Fey, Alan; Makarov, Valeri V.; Dorland, Bryan N.; [show details](#)
 2018/06 · The Astronomical Journal · cited: 14

 Claim

7 ☐ [The RECONS 10 Parsec Sample](#)
 Henry, Todd; Dieterich, Sergio; Finch, C.; Ianna, P. A.; Jao, W.; Riedel, Adric; Subasavage, John; Winters, J.; RECONS Team; [show details](#)
 2018/01 · American Astronomical Society Meeting Abstracts #2... · cited: 1

 Claim

8 ☐ [New constraints on Saturn's interior from Cassini astrometric data](#)
 Lainey, Valéry; Jacobson, Robert A.; Tajeddine, Radwan; Cooper, Nicholas J.; Murray, Carl; Robert, Vincent; Tobie, Gabriel; Guillot, Tristan; Mathis, Stéphane; Remus, Françoise; [and 8 more](#)
 2017/01 · Icarus · cited: 159

 Claim

Access your ORCID account through SciX

With ORCID mode on, you can claim papers to be added to your profile

ORCID Integration

<https://SciXplorer.org>

ORCiD Profile

Jennifer Lynn Bartlett

 0000-0001-7394-4545

Academic Affiliation



Aliases

Add new alias +

Search by alias 🔍

[Logout from ORCID](#)

My ORCID Page

Learn about [claiming papers](#) and [searching for papers](#) in ORCID with SciX

Claims take up to 24 hours to be indexed in SciX

| All my papers | | | | |
|---|-------------------------------------|----------------|----------|---------|
| | RCE | UPDATED ▼ | STATUS | ACTIONS |
| All my papers | A Astrophysics Data System | 12 minutes ago | Pending | ⚙️ |
| In my ORCID | A Astrophysics Data System | last quarter | Verified | ⚙️ |
| NOT in ORCID | ersity of Alberta Libraries sref | last quarter | Verified | ⚙️ |
| NOT in SciX | sref A Astrophysics Data System | 2 quarters ago | Verified | ⚙️ |
| Status: Pending | A Astrophysics Data System | 4 quarters ago | Verified | ⚙️ |
| Status: Verified | | | | |
| Status: Rejected | | | | |
| Celestial Navigation and the Single Star | NASA Astrophysics Data System | 4 quarters ago | Verified | ⚙️ |
| The Protractor, The Sextant, and The Student | NASA Astrophysics Data System | last year | Verified | ⚙️ |
| In Search of Standard Refraction | NASA Astrophysics Data System | last year | Verified | ⚙️ |
| Got Stuff? How We Deal with Possible Astronomical Heritage Material | NASA Astrophysics Data System | last year | Verified | ⚙️ |
| A USNO Search for Astrometric Companions to Brown Dwarfs VI | NASA Astrophysics Data System | last year | Verified | ⚙️ |

Showing 1 to 10 of 58 results


10 ▼









<https://SciXplorer.org>

Share your research with SciX


<https://SciXplorer.org>




General Science

Feedback  ORCID  About  Help  Account  



[< Back to libraries](#)



 **Jarmak Bibliography**

My ADS library

| PAPERS | OWNER | DATE CREATED | LAST MODIFIED |
|----------------|--------------|-----------------------|-----------------------|
| Found 17 of 17 | steph.jarmak | 3/26/2024, 9:04:12 PM | 3/26/2024, 9:04:12 PM |

Date  

View as search results

☐




Delete

1 ☐

Experimenting with Large Language Models and vector embeddings in NASA SciX

Blanco-Cuaresma, Sergi; Clucă, Ioana; Accomazzi, Alberto; Kurtz, Michael J.; Henneken, Edwin A.; Lockhart, Kelly E.; Grezes, Felix; Allen, Thomas; Shapurian, Golnaz; Grant, Carolyn S.; **and 12 more**

2023/12-arXiv-cited: 1




  

2 ☐

Interpretations of Potential Hydration Features on Psyche's Surface from JWST Observations

Jarmak, Stephanie; Woodward, Charles; Becker, Tracy; Honniball, Casey; McAdam, Margaret; Arredondo, Anicia; Rivkin, Andrew; Landsman, Zoe; Retherford, Kurt; Elkins-Tanton, Linda; **show list**

2023/10-DPS




  

3 ☐

The science goals of Europa-UVS on NASA's Europa Clipper Mission

Becker, Tracy; Retherford, Kurt; Gladstone, Randy; Stern, S.; Greathouse, Thomas; Molyneux, Philippa; Spencer, John; Giles, Rohini; Kammer, Joshua; McGrath, Melissa; **and 17 more**

2023/10-DPS




  

4 ☐

The Search for Water on Asteroids in the Far-Ultraviolet

Becker, T. M.; Cunningham, N. J.; Roth, L.; Molyneux, P. M.; Bodewits, D.; Xing, X.; Jarmak, S.; Raut, U.; Landsman, Z.; Hendrix, A. R.; **and 2 more**

2023/08-LPICo




  

5 ☐

Expanding on the QUEST Uranus Orbiter Mission Concept

Jarmak, S.; Leonard, E.; Akins, A.; Dahl, E.; Cremons, D. R.; Cofield, S.; Curtis, A.; Dong, C.; Dunham, E. T.; Journaux, B.; **and 12 more**

2023/07-LPICo

Add your work to a personal, shareable library

Promote your research with SciX

SciX BETA

General Science

Feedback

ORCID

About

Help

Account

Back to libraries

R. Pappalardo Bibliography

My ADS library

| PAPERS | OWNER | DATE CREATED | LAST MODIFIED |
|------------------|--------------|-----------------------|-----------------------|
| Found 477 of 477 | steph.jarmak | 3/26/2024, 9:09:58 PM | 3/26/2024, 9:10:00 PM |

Date

View as search results

Delete

1

Planned Geological Investigations of the Europa Clipper Mission

Daubar, I. J.; Hayes, A. G.; Collins, G. C.; Craft, K. L.; Rathbun, J. A.; Spencer, J. R.; Wyrick, D. Y.; Bland, M. T.; Davies, A. G.; Ernst, C. M.; and 51 more

2024/02-SSRv

2

Uncovering Ganymede's past: Tectonics at Nippon/Philus Sulci

Burkhard, Lillane M. L.; Costello, Emily S.; Smith-Konter, Bridget R.; Cameron, Marissa E.; Collins, Geoffrey C.; Pappalardo, Robert T.; show list

2024/01-lear

3

Spectrophotometry using the Galileo/NIMS database

Cornet, Thomas; Cruz-Mermy, Guillaume; Belgacem, Ines; Andrieu, Francois; Schmidt, Frederic; show list

2023/10-DPS

4

Investigations of Moon-Magnetosphere Interactions by the Europa Clipper Mission

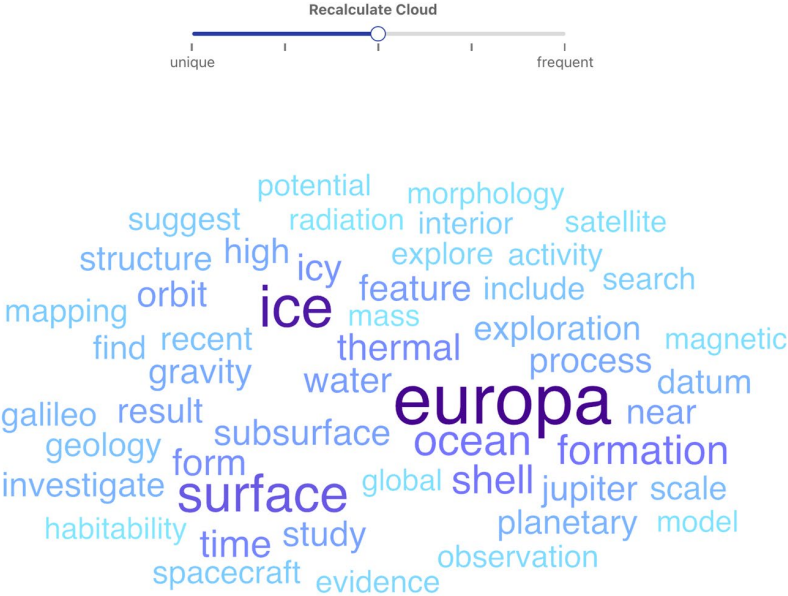
Korth, Hale; Pappalardo, Robert; Buratti, Bonnie; Burch, James; Kempf, Sascha; Kivelson, Margaret; Westlake, Joseph; show list

2023/10-DPS

5

Simulating Europa-class water plumes using DSMC: Comparison between 2D and 3D modeling, effects of inclusion of other species, and interaction with the Jovian environment

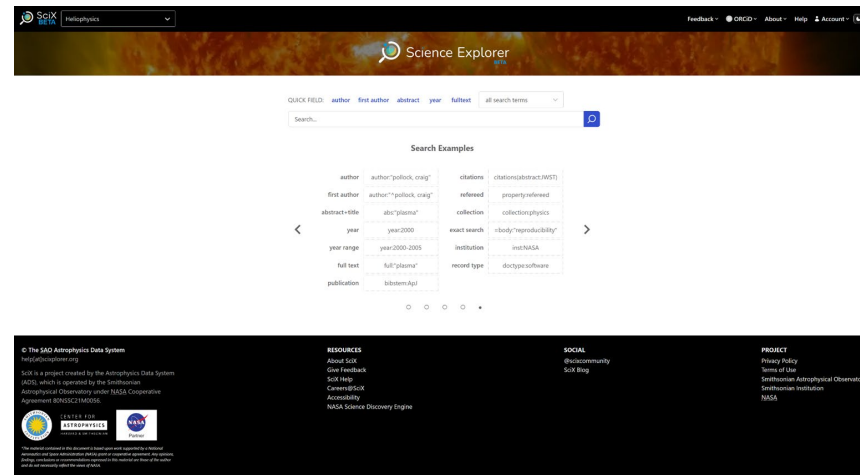
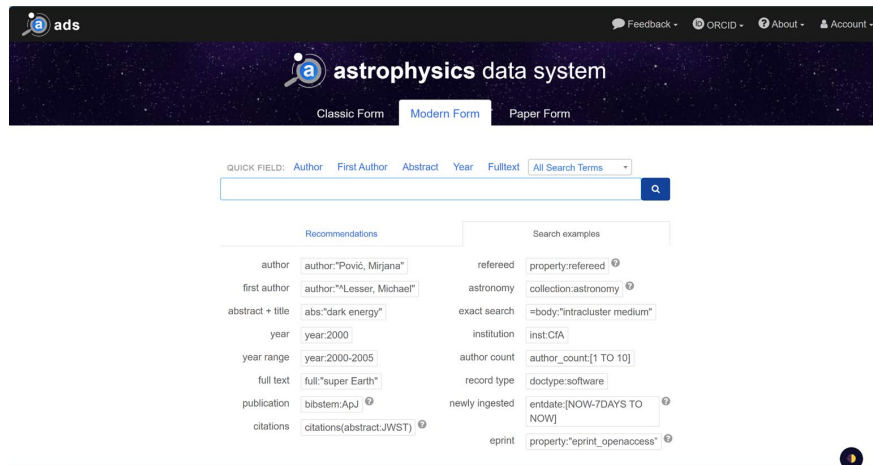
Mahieux, Arnaud; Goldstein, David; Varghese, Philip; Trafton, Laurence; show list



Easily produce exportable bibliographies and metrics

<https://SciXplorer.org>

Why use SciX instead of ADS?



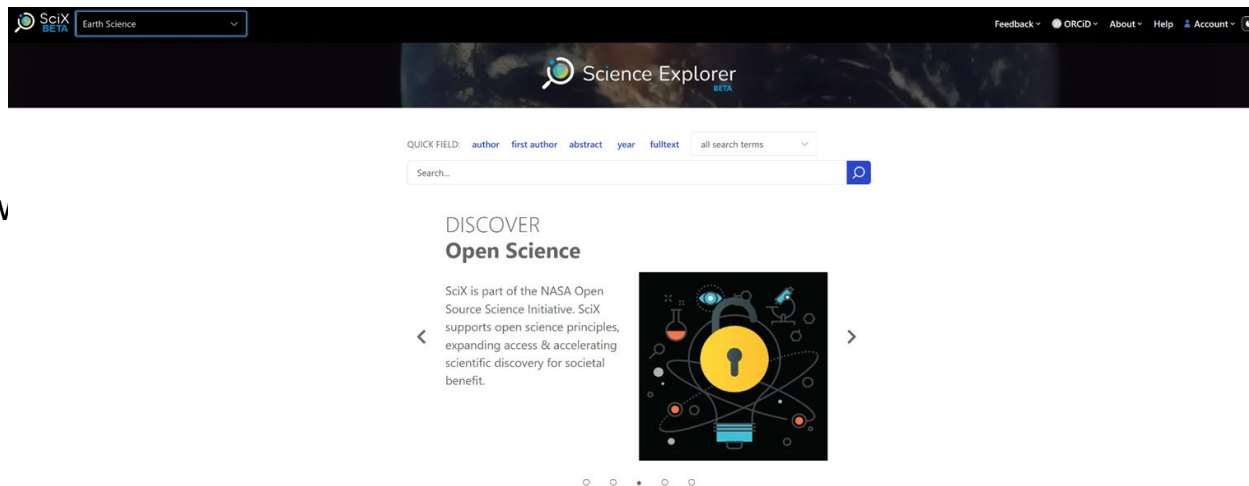
ADS will remain, but new development and features will be in SciX

SciX provides disciplinary focus in an interdisciplinary context

<https://SciXplorer.org>

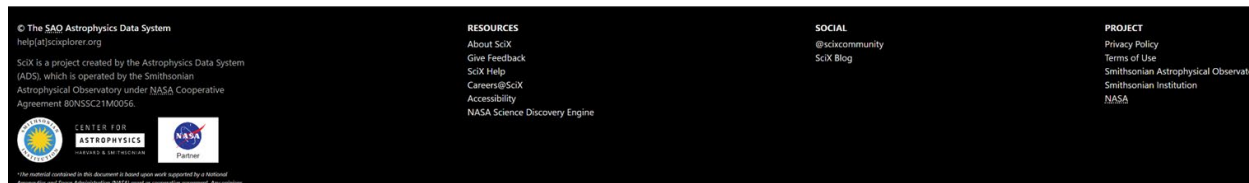
Why SciX if I'm not an astronomer?

- All of NASA Science
- Connected to the data
- Linked to the code
- Freely available from any browser



Better than the rest...

- Open
- Trustworthy
- Complete
- Innovative
- Interdisciplinary
- Developed by scientists, for scientists



<https://SciXplorer.org>

Thank you!



more resources

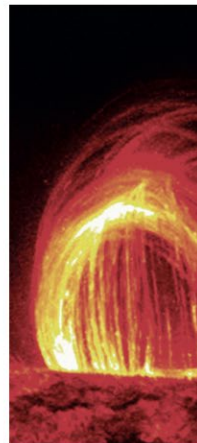
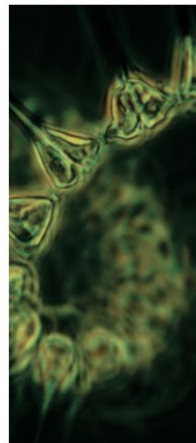
Jennifer Lynn Bartlett
(ADS/SciX Astrophysics Project Scientist)
jennifer.bartlett@cfa.harvard.edu

help@scixplorer.org
@SciXCommunity



SciX

[www.SciXplorer.org]



Science Explorer

Accelerating the discovery of NASA Science.