

SciX User Interface

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Why are we building a new user interface

- Old tech stack
- Difficult to update
- Single-page-application
- User experience
- Accessibility

The screenshot displays the ADS search interface. At the top, the search bar contains the query "abs:"dark energy" year:2000-2023", which has returned 20,418 results. The left sidebar shows a list of authors and collections, with a "more" button next to the "REFEREED" section. The main content area lists search results with titles, authors, and dates. The right sidebar features a "Citations" chart showing the number of refereed and non-refereed citations over time from 2000 to 2023.

Year	Refereed	Non-refereed
2000-2001	~100	~100
2004-2005	~200	~100
2006-2007	~400	~200
2008-2009	~600	~300
2010-2011	~800	~400
2012-2013	~1000	~500
2014-2015	~1200	~600
2016-2017	~1400	~700
2018-2019	~1600	~800
2020-2021	~1800	~900
2022-2023	~2000	~1000

Introducing Nectar

- Updated tech stack
- Easier to update
- Hybrid web app
- Improved user experience
- Improved accessibility

The screenshot displays the SciX search interface. At the top, the SciX logo is on the left, and navigation links for Feedback, ORCID, About, and Account are on the right. A search bar contains the query "abs:"dark energy" year:2000-2023". Below the search bar, it indicates "Your search returned 22,568 results".

On the left side, there is a "Filters" section with a bar chart showing the distribution of results from 2000 to 2023. Below the chart are several filter categories: Author, Collections, Refereed, Institutions, Keywords, Publications, Bibgroups, Data, and Vizier Tables.

The main search results are displayed in a list format, sorted by Relevance. Each result includes a checkbox, a title, authors, a "show list" link, and citation information. The first four results are:

- Dynamics of Dark Energy** by Copeland, Edmund J.; Sami, M.; Tsujikawa, Shinji; *show list* 2006/00 · International Journal of Modern Physics D · cited: 4947
- Reconstructing Dark Energy** by Sahni, Varun; Starobinsky, Alexei; *show list* 2006/00 · International Journal of Modern Physics D · cited: 653
- Dark energy cosmology: the equivalent description via different theoretical models and cosmography tests** by Bamba, Kazuharu; Capozziello, Salvatore; Nojiri, Shin'ichi; Odintsov, Sergei D.; *show list* 2012/11 · Astrophysics and Space Science · cited: 1712
- A new model of agegraphic dark energy** by Wei, Hao; Cai, Rong-Gen; *show list* 2008/02 · Physics Letters B · cited: 460

Each result also includes a "Claim" button and icons for document, list, and table views.

Progress made in the last year

- ORCID
- Faceting
- Feedback Forms
- Libraries
- User Accounts
- User Settings



Demo

Work in Progress

- UAT facet
- Planetary features facet
- Writing comprehensive tests



Beyond

- Expanding the libraries features
 - Search and follow public libraries
 - Annotations
- Dark mode
- Email notification system (MyADS)
- Customized facets for each discipline

Upcoming Schedule

BETA release at the AGU on December 12, 2023