

System Development User Interface

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Current State of the UI

- Tech Stack
 - BackboneJS
 - ReactJS (some components)
 - RequireJS
- Difficult to update
 - Custom rendering engine
 - Templated, not component based
 - No single store in place
- Single-page-application (SPA)
 - Problems with SEO
 - Custom compiler/bundler setup
- User experience
- Accessibility

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

Start New Search

star

Your search returned 585,510 results

Export Explore

AUTHORS loading... more

COLLECTIONS

- astronomy 545.4k
- physics 85.6k
- general 17.3k

REFEREED

- referenced 317k
- non-referenced 268.4k

INSTITUTIONS

KEYWORDS

PUBLICATIONS

BIB GROUPS

SIMBAD OBJECTS

NED OBJECTS

DATA

VIZIER TABLES

PUBLICATION TYPE

Show highlights Show abstracts Hide Sidebars Go To Bottom

1 2023APh...14502778A 2023/03 cited: 2
Independent determination of the Earth's orbital parameters with solar neutrinos in Borexino
Appel, S.; Bagdasarian, Z.; Basilico, D. and 77 more

2 2023NewA...9901946Y 2023/02
New photometric solutions of contact binaries HX UMa and FP Boo
Yildirim, M. F.

3 2023JMoSt127334374B 2023/02
Study on the interaction of the bromodomain inhibitor JQ1 with human serum albumin by spectroscopic and molecular docking studies
Bhardwaj, Boddapati Kalyani; Venkatesh, Thejaswini; Suresh, Padmanaban S.

4 2023JMoSt127334325S 2023/02
Vanillin allied 1,2,3-triazole as a selective sensor for detection of Al³⁺ ions: A potent inhibitor against Entamoeba histolytica
Singh, Gurjaspreet; Gupta, Sofia; Diksha and 6 more

5 2023pbse.book.....T 2023 cited: 3
Physics of Binary Star Evolution. From Stars to X-ray Binaries and Gravitational Wave Sources
Tauris, Thomas M.; van den Heuvel, Edward P. J.

6 2023lbp.book.....W 2023 cited: 1
The Little Book of Exoplanets
Winn, Joshua N.

7 2023OptLE.16007287G 2023/01
On-ground demonstration of laser-link construction for space-based detection of gravitational waves
Gao, Ruihong; Wang, Yikun; Cui, Zhao and 12 more

8 2023NuPhA102922556R 2023/01
Hot dense nuclear matter with the Thomas-Fermi approximation
Razavi, N. S.; Ghazanfari Mojarad, M.

9 2023NewA...9801943P 2023/01
DeGaPe 35: Amateur discovery of a new southern symbiotic star
Petit, Thomas; Merc, Jaroslav; Galis, Rudolf and 6 more

10 2023NewA...9801942V 2023/01

Years Citations Reads

referenced non-referenced

1536-1583 1584-1631 1632-1679 1680-1727 1728-1775 1776-1823 1824-1871 1872-1919 1920-1967 1968-2015 2016-2023

Limit results to papers from 1536 to 2023 Apply



Introducing Nectar

- Updated tech stack
 - ReactJS
 - Next.JS
- Easier to update
 - React rendered on client and server
 - Page composition
 - Single app store
- Hybrid web app
 - Automatic route-based bundling
 - Improved SEO
- Improved user experience
 - Design mockups, user testing (?)
- Improved Accessibility
 - Improved structure for keyboard navigation
 - Baked into design

The screenshot displays the SciX search interface. At the top, the SciX logo and 'General Science' are visible. A search bar contains the term 'star', and a dropdown menu shows 'all search terms'. Below the search bar, it indicates 'Your search returned 85,510 results'. The interface features a 'Filters' sidebar on the left with categories like Author, Collections, and Institutions. The main content area shows a list of search results, each with a title, author information, and a date. The results are numbered 1 through 8. The interface is clean and modern, with a dark header and a light main content area.



Demo

Work In Progress

- Libraries
- User settings
- MyADS
- ORCID

The screenshot shows the top navigation bar of the ADS website with the 'ads' logo and links for Feedback, ORCID, About, and Account. Below the navigation is a search bar with a 'QUICK FIELD' dropdown menu set to 'All Search Terms'. The main content area is titled 'My ORCID Papers (1)' and displays the user's ORCID information: 'ORCID Username: Timothy Hostetler' and 'ORCID ID: 0000-0001-9238-3667'. There are three numbered instructions: 1. To share the list of ORCID papers, with sub-points on how to search for the ORCID ID and share the URL. 2. To claim papers in ORCID, with a button that says 'click here to search your name in ADS'. 3. A link to 'Learn more about using ORCID with ADS'.

The screenshot shows the 'myADS' settings page. The top navigation bar includes 'ADS Libraries' and 'Settings'. The left sidebar has 'Settings' selected. The main content area is titled 'myADS' and has a search bar and '+ Create' and '+ Import' buttons. Below is a table of 'Email Notifications' with columns for '#', 'Name', 'Type', 'Frequency', 'Updated', and 'Actions'. The table contains two rows of notifications, both for 'Recent Papers' with 'arXiv' type and 'daily' frequency, updated on 'May 5, 2020 3:51 PM'. The third row is partially visible with 'General' type.

#	Name	Type	Frequency	Updated	Actions
1	Recent Papersddd	arXiv	daily	May 5, 2020 3:51 PM	Actions
2	Recent Papers	arXiv	daily	May 5, 2020 3:51 PM	Actions
3	eddfdfdf	General	daily	Jun 1, 2020 4:22 PM	

The screenshot shows a search result for the paper 'Life after Classic: An Astronomer's Guide to the new ADS' with ID '2020AAS...23528705A' from '2020/01'. The result is highlighted in green and includes a button for 'Actions' and a checkmark indicating it is 'In ORCID'. Below the result is a pagination control showing 'Per Page' set to '25', '1 of 1' items, and 'prev' and 'next' buttons.

Project Nectar and Beyond

- Improve UX and DX
 - Easier updates and quicker to implement new features
 - Rapid development to support ever evolving project requirements
- Improved accessibility
 - Static and manual accessibility audits
- Reach parity with current UI
- Future proofing
 - Designs/mockups (feedback loop)
 - Plan for more user/usability testing

Questions?