System Development
User Interface

Tim Hostetler, Jennifer Chen and the ADS Team

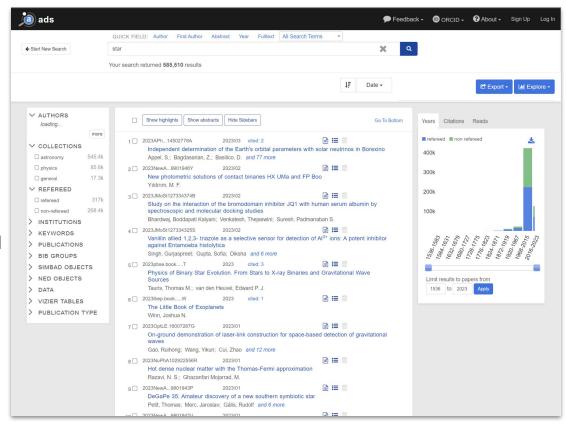ADS Users Group Meeting, 9-10 Nov. 2022

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
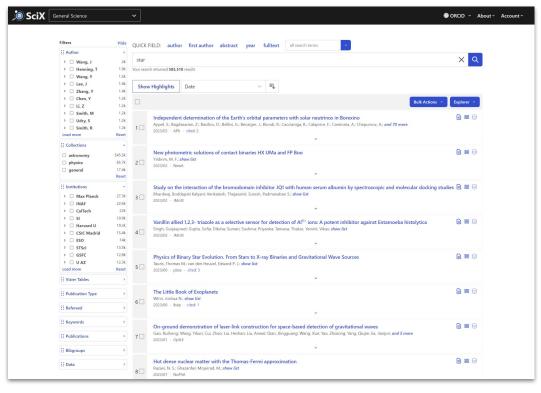- User experience
- Accessibility

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
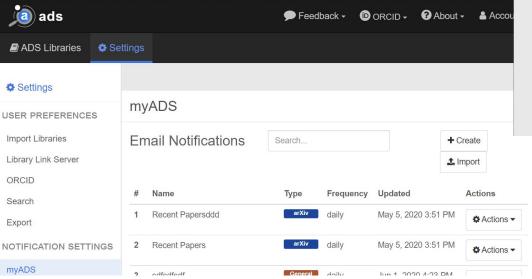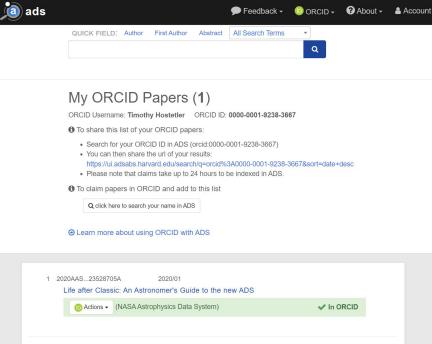 - Improved structure for keyboard navigation
  - Baked into design

Demo

Work In Progress

- Libraries
- User settings
- MyADS
- ORCiD

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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?