

High-level accessibility review – DOAJ platform - Library Accessibility Alliance

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High-level accessibility review – DOAJ - Library Accessibility Alliance

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DOAJ Platform

Summary:

Top 3 problems for the DOAJ Platform

This high-level assessment covers limited portions and functionality of the DOAJ Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment. Following are top 3 issues from this evaluation.

- **Group labels:** In search results, many group labels are used for further refinement. These group labels are not properly associated with their relevant checkboxes.
- **Language:** When changes in language exist for some content, assistive tech is not programmatically notified of the change in language.
- **Contrast:** While contrast is generally good across the site, some issues exist on focus and with some focus indicators.

Review of Top Accessibility issues from previous evaluation

[\[Link to previous evaluation\]](#)

From the top issues, the following observations were made:

- Section headings are now generally more available and well-structured
- Screen reader compatibility is improved
- Great improvements have been made with regards to color contrast across the experience, while some new problems were observed

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **SC 1.3.1 A** – The top right bar in the header contains a function with a semantic role that is not allowed within the scope of the parent: button.
2. **SC 4.1.2 A** – The ‘skip to content’ control is missing an accessible name in its unfocused variation.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The ‘Search’, ‘Documentation’, ‘About’, ‘Login’ global navigation items are low in contrast on focus. A contrast ratio of 3.1:1 was observed where a minimum 4.5:1 is required.
2. **SC 1.4.3 AA** – All controls that use #FD5A3B on focus against a background of #FFFFFF are low in contrast on focus eg. 139 Countries represented. A contrast ratio of 3.1:1 was observed where a minimum 4.5:1 is required.

1. Landing Page

Source: <https://doaj.org>

Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.

DOAJ OPEN GLOBAL TRUSTED

SUPPORT ▾ APPLY ▾ SEARCH 🔍

SEARCH ▾ DOCUMENTATION ▾ ABOUT ▾ LOGIN ↗

DIRECTORY OF OPEN ACCESS JOURNALS

Find open access journals & articles.

☒ Journals ☐ Articles

In all fields ▾ **SEARCH**

89 LANGUAGES | 139 COUNTRIES REPRESENTED | 13,913 JOURNALS WITHOUT FEES | 22,124 JOURNALS | 11,718,271 ARTICLE RECORDS

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Automated findings using Axe

No unique automated issues found.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – All controls that use #FD5A3B on focus against a background of #F6F3F3 are low in contrast on focus eg. DOAJ and the Diamond Discovery Hub: Working with the community to support open access. A contrast ratio of 2.8:1 was observed where a minimum 4.5:1 is required.
2. **SC 3.1.2 AA** – The ‘Recently-Added Journals’ section contains several controls that are in a language that does not match the defined page-level language. These same controls do not offer a programmatic indication of the language that they are written in.
3. **SC 1.4.10 AA** – The sections beginning with ‘89 languages’ and ‘Neike lilun yu shijian’ do not reflow.
4. **SC 3.3.2 A** – The ‘In the field’ combo box does not display its label.

2. Search Results

Source: https://doaj.org/search/articles?ref=homepage-box&source=%7B%22query%22%3A%7B%22query_string%22%3A%7B%22query%22%3A%22vampires%22%2C%22default_operator%22%3A%22AND%22%7D%7D%2C%22track_total_hits%22%3Atrue%7D

Test case: From the initial landing page, conduct a “journals” search for: “engineering.” Conduct an “articles” search for: “vampires.” Test search results pages, including filters/refine search (subjects, year of publication, journals, publishers) and sort by options.

The screenshot shows the DOAJ search results page for the query 'engineering'. The header includes the DOAJ logo and navigation links. The search bar shows 'engineering' and 'All fields'. Below the search bar, there are links for 'SHARE OR EMBED'. The results section shows '2,657 indexed journals'. There are filters for 'Refine search results' (SEE JOURNALS..., Without fees, Author retains all rights) and 'Sort by' (Added to DOAJ (newest first)). The results are displayed as a list of journals, with the first one being 'Computational and Experimental Research in Materials and Renewable Energy'. A cookie notice is visible at the bottom of the page.

DOAJ OPEN GLOBAL TRUSTED

SEARCH DOCUMENTATION ABOUT LOGIN

SEARCH Journals

engineering All fields

SHARE OR EMBED

2,657 indexed journals

Refine search results

SEE JOURNALS...

Without fees

Author retains all rights

Sort by

Added to DOAJ (newest first)

Results per page

10

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Computational and Experimental Research in Materials and Renewable Energy

Last updated on 18 Apr 2022

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DOAJ OPEN GLOBAL TRUSTED

SEARCH DOCUMENTATION ABOUT LOGIN

SEARCH Articles

vampires All fields

SHARE OR EMBED

173 indexed articles

Refine search results

SEE JOURNALS...

Without fees

Author retains all rights

Sort by

Added to DOAJ (newest first)

Results per page

10

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Automated findings using Axe

1. **SC 4.1.2 A** – The container for additional subjects in Articles and Journals has no semantic role and is inappropriately using aria-expanded.

Additional manual findings using NVDA screen reader

1. **SC 3.3.2 A** – The ‘In the field’ combo box does not display its label for both Articles and Journals search.
2. **SC 1.4.11 AA** – All checkboxes on the page have a focus indicator that is low in contrast for both Articles and Journals search. A 1.5:1 contrast ratio was observed where a minimum 3:1 ratio is required.
3. **SC 1.3.1 A** – The group label ‘Subjects’ is not programmatically associated with the associated checkboxes for both Articles and Journals search.
4. **SC 1.3.1 A** – The group label ‘See Journals’ is not programmatically associated with its checkboxes in Journals search.
5. **SC 1.1.1 A** – The ‘opens in a new window’ icon is not described for both Articles and Journals search.
6. **SC 3.1.2 AA** – In Journals search, when a result item is in a different language from the defined page language, the change in language for that item is not programmatically indicated.

3. Individual Search Result

Source: <https://doaj.org/article/e1d1b35fb7594caaa1238834459761f8>

<https://doaj.org/toc/2731-3395>

Test case: Test individual search result landing page for an article (“The Vampire as an Agent of the Chronopolitics of Soviet Nostalgia”) and a journal landing page (*Communications Engineering*).

The screenshot shows the DOAJ article landing page. At the top is the DOAJ logo with 'OPEN GLOBAL TRUSTED' text. Navigation links for SEARCH, DOCUMENTATION, and ABOUT are visible. The article title is 'The Vampire as an Agent of the Chronopolitics of Soviet Nostalgia / Вампир как агент хронополитики советской ностальгии'. Below the title, the author 'Denis Artamonov / Денис Сергеевич Артамонов' and co-author 'Sophia Tikhonova / Софья Владимировна Тихонова' are listed. A 'READ ONLINE' button is present. To the right, the DOI 'https://doi.org/10.34680/eiscrt-2023-3(4)-95-115' and journal volume/issue information 'no. 3 pp. 95 – 115' are displayed. The article is published in 'Индустрии впечатлений: Технологии социокультурных исследований (AUG 2023)'.

Abstract

[READ ONLINE](#)

Published in *Индустрии впечатлений: Технологии социокультурных исследований*

ISSN
2949-1606 (Online)

Publisher

The screenshot shows the DOAJ journal landing page for 'Communications Engineering'. It features the DOAJ logo and navigation links. The journal title 'Communications Engineering' is prominent, along with its ISSN '2731-3395 (ONLINE)'. There are buttons for 'Website' and 'ISSN Portal'. Below, there are sections for 'PUBLISHING WITH THIS JOURNAL' (showing charges in EUR and USD), 'BEST PRACTICE' (mentioning open access and CC BY/NC-ND license), and 'JOURNAL METADATA' (listing the publisher as Nature Portfolio, United Kingdom). A 'Feedback' button is on the right. A cookie notice is at the bottom.

Automated findings using Axe

1. **SC 4.1.2 A** – The ‘About’ and ‘Articles’ controls in the journal landing make use of an ARIA attribute that is not supported within the scope of the same control.

Additional manual findings using NVDA screen reader

1. **SC 3.1.2 AA** – In an Article page, when content is in a different language from the defined page language, the change in language for that content is not programmatically indicated.

2. **SC 2.4.3 A** – In an Article page, the 'Affiliations' button is not included in the natural tab order.
3. **SC 1.4.3 AA** – In an Article page, the DOI links are low in contrast on focus. A contrast ratio of 2.8:1 was observed on focus where a minimum 4.5:1 is required.
4. **SC 1.1.1 A** – In a Journal landing page, the 'Creative Commons' image portion of link controls is not described.
5. **SC 1.1.1 A** – In a Journal landing page, the 'opens in a new window' image is not described as a part of link controls.

4. Blog and API Documentation

Source: <https://blog.doaj.org/>

<https://doaj.org/api/v4/docs>

Test case: Test the DOAJ blog and the API documentation page.

The screenshot displays the DOAJ Blog and API Documentation pages. The top section shows the DOAJ Blog homepage with a search bar, navigation links (Home, News, Contact, English), and a large 'DOAJ Blog' heading. Below the heading is the tagline 'Open. Global. Trusted.' and a 'View all news' button. A cookie consent pop-up is visible on the right. The bottom part shows the DOAJ API documentation page, which includes a 'DOCS' section, a 'JUMP TO:' list of links, and a 'Using this live documentation page' section. A footer bar contains a cookie notice and a 'HIDE THIS MESSAGE' button.

DOAJ Blog
Open. Global. Trusted.
[View all news](#)

DOAJ OPEN GLOBAL TRUSTED
SUPPORT APPLY SEARCH
SEARCH DOCUMENTATION ABOUT LOGIN

DOCS

API

This is the current version of the DOAJ API

This page documents v.4.0.0 of the DOAJ API.

Base URL: <https://doaj.org/api/>

Using this live documentation page

This page contains a list of all routes available via the DOAJ API. It also serves as a live demo page. You can fill in the parameters needed by the API and it will construct and send a request to the live API for you, letting you see all the details you might need for your integration.

Please note that not all fields will be available on all records.

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JUMP TO:

- Using this live documentation page
- Authentication information
- Help and support
- Full API reference
- How-To Guide on Search API
- How-To Guide on CRUD API
- API FAQs
- Version History

Automated findings using Axe

1. **SC 1.4.3 AA** – All instances of 'POST' are low in contrast. A contrast ratio of 3.16:1 was observed where a minimum 4.5:1 is required.
2. **SC 1.4.3 AA** – All instances of 'DELETE' are low in contrast. A contrast ratio of 3.13:1 was observed where a minimum 4.5:1 is required.
3. **SC 1.4.3 AA** – All blog post dates are low in contrast. A contrast ratio of 3.54:1 was observed where a

minimum 4.5:1 is required.

4. **SC 1.4.3 AA** – The ‘Subscribe’ and ‘Unsubscribe’ controls are low in contrast. A contrast ratio of 2.09:1 was observed where a minimum 4.5:1 is required.
5. **SC 4.1.2 A** – In the ‘Most popular categories’ section, most of the card images are linked and those same links are missing an accessible name.

Additional manual findings using NVDA screen reader

1. **SC 4.1.2 A** – In the ‘Most popular categories’ section, the ‘Press Release’ card image is linked and through the image’s alt, the control is inappropriately named as ‘Decorative Image’.