WCAG 2.0 A and AA Requirements

Name of Product	**Mendeley.com**
Date Last Updated	June 11, 2020
Completed by	Jay Nemchik (Digital Accessibility Team, Dayton)
Document Description	This document rates Mendeley.com according to the W3C WCAG 2.0 A and AA requirements.
Contact for More Information	Ted Gies Principal User Experience Specialist ted.gies@elsevier.com accessibility@elsevier.com
Testing Tools and Methods	Hands-on keyboard operation Firebug/Code inspection Firefox Web Developer Toolbar (removing style sheets) JAWS 18 on Mozilla Firefox 63 and MS IE 11 on Windows 10 NVDA screen reader v2019.2.1 Wave Extension Color Contrast Analyzer W3C WAI Pages Elsevier Accessibility Checklist: http://romeo.elsevier.com/accessibility_checklist/
Document Sections	The review document below includes all WCAG 2 A and AA checkpoints and is organized into 6 logical sections: • Visuals • Keyboard • Headings and Structure • Labeling • Multimedia • Usability
Pages Covered	Homepage, Newsfeed, Careers, Suggest, Search, Search Results, Article Page (Catalog), Profile
Note from W3C on Conformance	https://www.w3.org/TR/UNDERSTANDING-WCAG20/conformance.html "If there is no content to which a success criterion applies, the success criterion is satisfied." This VPAT shows such criterion as: "Supports (N/A)"
Notes/Terminology	"AT" stands for Assistive Technology such as screen readers, voice input, etc.

WCAG 2.0 Success Criterion	Level	Evaluation
1.1.1: Non-text Content	A	Partially supports
1.2.1: Audio-only and Video-only (Prerecorded)	A	Supports (N/A)
1.2.2: Captions (Prerecorded)	A	Supports (N/A)
1.2.3: Audio Description or Full Text Alternative	A	Supports (N/A)
1.2.4: Captions (Live)	AA	Supports (N/A)
1.2.5: Audio Description	AA	Supports (N/A)
1.3.1: Info and Relationships	A	Partially supports
1.3.2: Meaningful Sequence	A	Partially supports
1.3.3: Sensory Characteristics	A	Supports
1.4.1: Use of Color	A	Partially supports
1.4.2: Audio Control	A	Supports (N/A)
1.4.3: Contrast (Minimum)	AA	Supports
1.4.4: Resize text	AA	Supports
1.4.5: Images of Text	AA	Supports
2.1.1: Keyboard	A	Partially supports
2.1.2: No Keyboard Trap	A	Supports
2.2.1: Timing Adjustable	A	Supports
2.2.2: Pause, Stop, Hide	A	Supports (N/A)
2.3.1: Three Flashes or Below Threshold	A	Supports (N/A)
2.4.1: Bypass Blocks	A	Supports
2.4.2: Page Titled	A	Partially supports
2.4.3: Focus Order	A	Partially supports
2.4.4: Link Purpose (In Context)	A	Partially supports
2.4.5: Multiple Ways	AA	Supports
2.4.6: Headings and Labels	AA	Supports
2.4.7: Focus Visible	AA	Partially supports
3.1.1: Language of Page	A	Supports
3.1.2: Language of Parts	AA	Supports (N/A)
3.2.1: On Focus	A	Supports
3.2.2: On Input	A	Supports
3.2.3: Consistent Navigation	AA	Supports
3.2.4: Consistent Identification	AA	Supports
3.3.1: Error Identification	A	Partially supports
3.3.2: Labels or Instructions	A	Partially supports
3.3.3: Error Suggestion	AA	Supports
3.3.4: Error Prevention (Legal, Financial, Data)	AA	Supports (N/A)
4.1.1: Parsing	A	Supports
4.1.2: Name, Role, Value	A	Partially supports

Visuals		
WCAG 2.0 Checkpoint	**Supporting Features**	**Remarks**
1.1.1: Non-Text Content (A) Provide text alternatives for non-text content (e.g. images)	Partially supports	Most images and icons have appropriate text equivalents. **Exceptions:** Homepage: The I Knowledge image should have alt text that is the same as the text in the image. Article Page: The SVG graph does not communicate its content well to screen readers. The PlumX image does not have alt text.
1.3.3: Sensory Characteristics (A) Do not rely on sensory characteristics of components such as shape, size, visual location, orientation, or sound	Supports	There are no instructions or areas of content which rely solely on sensory characteristics.
1.4.1: Use of Color (A) Color is not used as the only visual means of conveying info	Partially supports	Color is not used as the only means of conveying information in most areas. **Exceptions:** Footer: The cookies link has the same color as the surrounding paragraph text but does not have any link decoration. Profile: The inline error text needs "Error:" or a symbol to denote error text beyond just color.
1.4.3: Color Contrast (Minimum) (AA) Text has enough contrast with the background (4.5:1 for small text and 3:1 for large text)	Partially supports	Text has enough contrast with its corresponding background in most areas. **Exceptions:** Newsfeed: The "Share Updates…" gray text does not have enough contrast at 2.96:1. The "Share a comment" placeholder text does not have enough contrast at 2.93:1. Careers: The gray numbers under Discipline, Job Type, and Location do not have enough contrast at 4.11:1. Search Results: The OPEN ACCESS orange text does not have enough contrast at 3.07:1. Article Page: The OPEN ACCESS orange text does not have enough contrast at 3.07:1. Profile: The "Add Photo" gray text does not have enough contrast at 3.46:1. All input placeholder text does not have enough contrast at 3.15:1.
1.4.4: Resize Text (AA)	Supports	Text can be enlarged to 200% without loss of functionality.

WCAG 2.0 Checkpoint	Supporting Features	Remarks
Text can be enlarged up to 200% without loss of functionality.		
1.4.5: Images of Text (AA) Text is used rather than images of text, except where the presentation of text is essential, such as logos	Supports	No images of text are used other than for Logos or essential presentation.
2.3.1: Three Flashes or Below Threshold (A) No more than three flashes in a 1-second period, or the flashes are below the defined thresholds	Supports (N/A)	No flashing content exists.

Keyboard		
WCAG 2.0 Checkpoint	**Supporting Features**	**Remarks**
1.3.2: Meaningful Sequence (A) The correct reading sequence can be programmatically determined	Partially supports	The correct reading sequence is usually logical with the DOM order matching the visual order. **Exceptions:** All Pages: The notifications dropdown should appear directly after the notifications button in the DOM. Newsfeed: The Filter By links should come before the newsfeed content in the DOM order. Suggest: Near the bottom of the page, there are several modal dialogs that are not properly hidden from screen readers.
2.1.1: Keyboard (A) All functionality is available from a keyboard, except for tasks such as drawing	Partially supports	Most content is keyboard operable. **Exceptions**: Newsfeed: The Papers, People, Groups elements for search options cannot be reached by keyboard. The 'X' close button for Showcase your work easier cannot be reached by keyboard. Careers: The search tablist should use arrow key navigation to go between tabs, as currently users cannot reach any of the other options. Suggest: The Add to Library and Show Similar Articles buttons cannot be activated by keyboard. The Citations and Readers popups only appear on mouse hover and can't be viewed with a keyboard. Search Results: The left-hand search filter checkboxes cannot be reached by keyboard.

		Article Page: The Citations and Readers hover tooltips do not appear on focus. The graph content cannot be viewed with keyboard. The '?' help tooltips do not appear on focus. The "View Details" Profile: Users cannot reach the 'X' close button for Showcase your work easier. The Citations and Readers hover tooltips do not appear on focus.
2.1.2: No Keyboard Trap (A) The user can use the keyboard to move through page elements and is not trapped on a particular element	Supports	No pages have a keyboard trap.
2.4.3: Focus Order (A) Users can tab through the elements of a page in a logical order	Partially supports	Tab order is logical on the site. Focus is managed well in most areas. **Exceptions:** All pages: Users should be able to tab directly into the notifications dropdown upon activation. Homepage: The "Products", "Support", "About Us", and "Downloads" headings in the footer should not receive keyboard focus. Newsfeed: The Filter by links should be reached before the main news content. Dropdown chevron buttons have two duplicate tab-stops. Careers: After activating the Search button in the header, focus should be placed into the search container. Suggest: There are several modal dialogs near the bottom of the page that are supposed to be hidden but are still reached through tabbing. Profile: Modal dialogs, such as the Connect your ORCID and Mendeley Profiles dialog, does not manage focus properly.
2.4.7: Focus Visible (AA) The page element with the current keyboard focus has a visible focus indicator	Partially supports	Nearly all elements only use the browser default focus as an indicator. A few elements and buttons have a custom focus with either a border, a color change, or an underline. **Exceptions:** Careers: The notifications bell does not have a visible focus. Find a group interesting to you button does not have a visible focus. Article Page: The Citation Style dropdown's options do not have a visible focus when arrowing through.
3.2.1: On Focus (A) When a UI component receives focus, this does not trigger unexpected actions.	Supports	Focusable elements do not cause unexpected actions when receiving focus.

Headers and Structure

WCAG 2.0 Checkpoint	Supporting Features	Remarks
1.3.1: Information and Relationships (A) Info, structure, and relationships can be programmatically determined	Partially supports	Good use of heading in some places to help distinguish content. Lists are typically used to group related links or text. Landmarks exist, but need improvement. **Exceptions:** Homepage: There is an empty h5 early on the page that should be removed. The page needs an h1 that marks the main purpose of the page. The Products, Support, About Us, and Downloads elements in the footer should be h2s. Newsfeed: Only one banner/header landmark should be used on page. The text within posts should not be in a "main" landmark. Only one footer element should be used on a page. The page needs an h1. Post headings should be h2s. Filter By and Expand your Network should be h2s. The links link in the header should be in an unordered list. Any iframes used need a title attribute. Careers: Multiple navigation landmarks require unique labels. The headings in the footer should be h2s. Suggest: The page needs an h1. Articles for you and People to follow should be h2s and the article titles should be h3s. Only one footer should be used on a page. Search Results: The page needs an h1. The article titles should be headings (h2). The search filter bold text should be headings (h2s). Article Page: The current h4s on the page (Abstract, Author Supplied Keywords, Cite, etc.) should be h2s. The Article titles under References and Cited By should be h3s. Multiple navigation landmarks require a unique label for each. Profile: Each added list item name underneath sections such as Recent Publications should be h3s instead of h2s. The headings under Other Profiles should be h3s. Only one banner landmark should be used on a page. The profile sub-navigation should be a navigation landmark with a unique label.
2.4.1: Bypass Blocks (A) Users can bypass repeated blocks of content.	Supports	Some headings and landmarks exist, which allow users using Assistive Technology to jump to the different areas of content quickly. There is a skip to main content link as well. Note: The skip to main content link should be the very first tab-stop on a page (Newsfeed, Suggest, Search).
2.4.6: Headings and Labels (AA) Headings and labels are clear and consistent.	Supports	Headings and labels used are clear and descriptive.

WCAG 2.0 Checkpoint	Supporting Features	Notes
3.1.1: Language of Page (A) The language of the page is specified	Supports	The language is defined as lang="en", lang="en-US", or lang="en-GB".
3.1.2: Language of Parts (AA) Specify the language of text passages that are in a different language than the default language of the page.	Supports (N/A)	There are not passages of text that are in a different language than the page default.
4.1.1: Parsing (A) Use valid, error-free HTML	Supports	HTML and CSS passes concerning these 4 specific criteria: (i) elements have complete start and end tags, (ii) elements are nested according to their specifications (iii) elements do not contain duplicate attributes (iv) any IDs are unique, except where the specifications allow these features. Note: There are other general HTML validation errors outside the scope of this criterion.

Labeling

WCAG 2.0 Checkpoint	Supporting Features	Notes
2.4.2: Page Titled (A) The page has a title describing its topic or purpose	Partially supports	The page title changes when moving between pages and is descriptive in most cases. **Exceptions:** Search Results: The page title should at least change to "Search Results".
2.4.4: Link Purpose (In Context) (A) The purpose of each link can be determined from the link text or surrounding context.	Partially supports	Most links used have an identifiable purpose from the link text or surrounding context. **Exceptions:** All Pages: The profile name in the header should have link text stating it goes to the user profile page (e.g View Profile). Careers: The Careers Advice image (University of Plymouth) is a link without any link text.
3.2.4: Consistent Identification (AA) UI components used across the web site are identified consistently on every page.	Supports	UI components are consistent across the site.
3.3.1: Error Identification (A) Input errors are clearly marked and described to the user.	Partially supports	Error identification appears visually inline. Add user form cannot be submitted with errors. **Exceptions:** Profile: Errors text is not associated programmatically with their adjacent input fields. Screen readers are not made known of errors.

3.3.2: Labels and Instructions (A) Items requiring user input are clearly labeled or have clear instructions.	Partially supports	Most input areas have clear labels which are programmatically assigned. **Exceptions:** Newsfeed: The "Share updates and links with your followers" input needs aria-labelledby instead of describedby. The search input needs a proper label. Careers: The labels for the search fields and select menu are hidden with display none, which causes them to not be communicated to screen readers. Suggest: The search input needs a proper label. Search Results: The custom filter checkboxes are not communicated as input checkboxes and do not have proper labels as a result. Article Page: The Citation Style input does not have a label. It also does not communicate as a dropdown. None of the dropdown's options are communicated to screen readers. Profile: The select inputs on the page do not have any labels.
3.3.3: Error Suggestion (AA) When the user makes an input error, give suggestions for valid input.	Supports	Error text or warning text provides enough suggestion for users to enter valid input.
4.1.2: Name, Role, Value (A) For all UI components, the name, value, and role can be programmatically determined.	Partially supports	Most UI components communicate their state programmatically. **Exceptions:** All pages: The Search, Notifications, and Profile dropdown elements in the header need proper labels and aria-expanded attributes. The Search element and profile dropdown element should be buttons. Newsfeed: The "Share updates and links with your followers" and other commenting inputs need aria-multiline="true". The "Comment" element for expanding a comment input should be a button element. Several button elements have many unnecessary ARIA attributes which should be removed, such as aria-haspopup, aria-pressed, aria-describedby, etc. Many buttons need proper labels such as any "Like", "Share", or dropdown buttons in the main content. The search options need to be cast as a proper tablist. Careers: Several elements are coded as links, but act like buttons and should be changed to be actual buttons, such as the Discipline, Job Type, and Location tabs. The Discipline, Job Type, and Locations tabs should be an ARIA tablist.

		Search Results: View in Library and View PDF should be links. The button to expand the full list of author names needs a proper label. The filter checkboxes need to communicate as proper checkboxes. Article Page: View in Library and View PDF should be links. The Citation Style input should be a select menu or have proper ARIA to designate a custom dropdown. Profile: Dropdown buttons, such as the one for recent publications, do not have a label. The edit button for a Personal Website does not have a label. The container for modal dialogs need role="dialog", aria-modal="true", and a proper label.
Multimedia		
WCAG 2.0 Checkpoint	**Supporting Features**	**Remarks**
1.2.1: Audio-only or Video-only (Prerecorded) (A) Provide alternatives for pre-recorded audio-only or video-only content.	Supports (N/A)	The site does not have any audio-only or video-only content.
1.2.2: Captions (Prerecorded) (A) Provide captions for pre-recorded audio	Supports (N/A)	The site does not have any synchronized media or audio content.
1.2.3: Audio Description or Media Alternative (Prerecorded) (A) Provide alternatives for pre-recorded synchronized audio/video	Supports	There are no synchronized audio/videos on the site.
1.2.4: Captions (Live) (AA) Provide captions for live audio in synchronized audio/video.	Supports (N/A)	There is no live audio in synchronized audio/video.
1.2.5: Audio Description (Prerecorded) (AA) Provide an audio description of pre-recorded video.	Supports (N/A)	The site does not have any pre-recorded video content.
1.4.2: Audio Control (A) Audio can be paused and stopped, or the	Supports (N/A)	There is no audio that plays automatically on the site.

audio volume can be changed.		
2.2.2: Pause, Stop, Hide (A) Users can stop, pause, or hide moving, blinking, scrolling, or auto-updating information.	Supports (N/A)	There is no moving, scrolling, or auto-updating information.

Usability		
WCAG 2.0 Checkpoint	**Supporting Features**	**Remarks**
2.2.1: Timing Adjustable (A) Users are warned of time limits shorter than 20 hours and time limits can be turned off or extended	Supports (N/A)	There does not appear to be a session timeout.
2.4.5: Multiple Ways (AA) More than one way is available to navigate to other web pages.	Supports	Most pages in the system are a result of a process or search. Other pages have back buttons or breadcrumbs.
3.2.2: On Input (A) Changing the setting of a checkbox, radio button, or other UI component does not trigger unexpected changes in context.	Supports	User inputs do not cause unexpected actions.
3.2.3: Consistent Navigation (AA) Navigation menus are in the same location and order on every web page.	Supports	Navigation links remain consistent across all pages.
3.3.4: Error Prevention (Legal, Financial, Data) (AA) For web pages with legal or financial commitments, input can be reviewed and corrected before final submission, and	Supports (N/A)	There are no submissions which require legal or financial commitments.

submissions can be reverted.		