Alexandria

v0.0.1

https://github.com/SillyFreak/typst-alexandria

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Abstract

Alexandria allows a single document to have multiple bibliographies.

Contents

I Introduction

Alexandria allows adding multiple bibliographies to the same document. Its two main functions are `alexandria()` and `bibliographyx()`. Typical usage would look something like this:

```typ
#import "@preview/alexandria:0.0.1": *
#show: alexandria(prefix: "x-", read: path => read(path))

...

#bibliographyx(
  "bibliography.bib",
  // title: auto is not yet supported so it needs to be specified
  title: "Bibliography",
)
```

With this setup, you can use regular Typst citations (to keys starting with the configured prefix) to cite entries in an Alexandria bibliography.

Some known limitations:

- Alexandria citations are converted to links and are thus affected by `link` rules.
- Native bibliographies have `numbering: none` applied to its title, while Alexandrias' haven't. `show bibliography: set heading(...)` also won't work on them.
- Adjacent citations aren't collapsed.
- Bibiliography entries don't have a hanging indent in styles that require this.
- Citations that are shown as footnotes are not supported yet.

The example on the next page demonstrates some of these. If you find additional limitations or other issues, please report them at https://github.com/SillyFreak/typst-alexandria/issues.

II Example – native Typst version (APA)

For further information on pirate and quark organizations, see (Leeson, n.d.-a; -b). Aldrin discusses bibliographical distress.

Über den „Netzwok“ ist in der Arbeit von Astley & Morris (2020) zu lesen.

Bibliography

Aldrin, B. *An Insight into Bibliographical Distress*.

Astley, R., & Morris, L. (2020). At-scale impact of the Net Wok: A culinarically holistic investigation of distributed dumplings. *Armenian Journal of Proceedings*, *61*, 192–219.

Hock, R. (2005). Glacier melt: a review of processes and their modelling. *Progress in Physical Geography: Earth and Environment*, *29*(3), 362–391. https://doi.org/10.1191/0309133305pp453ra

Leeson, P. T. (n.d.-a). *The Pirate Organization*.

Leeson, P. T. (n.d.-b). *The Quark Organization*.

III Example – Alexandria version (APA)

For further information on pirate and quark organizations, see (Leeson, n.d.-a) (Leeson, n.d.-b). Aldrin discusses bibliographical distress.

Über den „Netzwok“ ist in der Arbeit von R. Astley und L. Morris [2] zu lesen.

III.a Bibliography

Aldrin, B. *An Insight into Bibliographical Distress*.

Astley, R., & Morris, L. (2020). At-scale impact of the Net Wok: A culinarically holistic investigation of distributed dumplings. *Armenian Journal of Proceedings*, *61*, 192–219.

Hock, R. (2005). Glacier melt: a review of processes and their modelling. *Progress in Physical Geography: Earth and Environment*, *29*(3), 362–391. https://doi.org/10.1191/0309133305pp453ra

Leeson, P. T. (n.d.-a). *The Pirate Organization*.

Leeson, P. T. (n.d.-b). *The Quark Organization*.

IV Example – Alexandria version (IEEE)

For further information on pirate and quark organizations, see [1] [2]. B. Aldrin discusses bibliographical distress.

Über den „Netzwok“ ist in der Arbeit von Astley & Morris (2020) zu lesen.

IV.a Bibliography

[1] P. T. Leeson, “The Pirate Organization.”

[2] P. T. Leeson, “The Quark Organization.”

[3] B. Aldrin, “An Insight into Bibliographical Distress.”

[4] R. Astley and L. Morris, “At-scale impact of the Net Wok: A culinarically holistic investigation of distributed dumplings,” *Armenian Journal of Proceedings*, vol. 61, pp. 192–219, 2020.

[5] R. Hock, “Glacier melt: a review of processes and their modelling,” *Progress in Physical Geography: Earth and Environment*, vol. 29, no. 3, pp. 362–391, 2005, doi: 10.1191/0309133305pp453ra.

V Module reference

V.a `alexandria`

- alexandria()
- bibliographyx()

```
alexandria(prefix: string, read: function) -> function
```

This configuration function should be called as a function at the beginning of the document. The function makes sure that `ref()` and `cite()` commands can refer to Alexandria's custom bibliography entries and stores configuration for use by bibliographyx().

```typ
#show: alexandria(prefix: "x-", read: path => read(path))
```

Parameters:

`prefix` (`string` = `none`) – a prefix that identifies labels referring to Alexandria bibliographies. Bibliography entries will automatically get that prefix prepended.

`read` (`function` = `none`) – pass `path => read(path)` into this parameter so that Alexandria can read your bibliography files.

```
bibliographyx(
  path: string array,
  prefix: string auto,
  title: none content auto,
  full: boolean,
  style: string,
) -> content
```

Renders an additional bibliography. The interface is similar to the built-in bibliography(), but not all features are supported (yet). In particular, the default values reflect `bibliography()`, but some of these are not supported yet and need to be set manually.

```typ
#bibliographyx(
  "bibliography.bib",
  title: "Bibliography",
  full: true,
  style: "ieee",
)
```

Parameters:

`path` (`string` or `array`) – The path to the bibliography file.

`prefix` (`string` or `auto` = `auto`) – The prefix for which reference labels should be provided and citations should be processed.

`title` (`none` or `content` or `auto` = `auto`) – The title of the bibliography. Note that `auto` is currently not supported.

`full` (`boolean` = `false`) – Whether to render the full bibliography or only the references that are used in the document. Note that `true` is currently not supported.

`style` (`string` = `"ieee"`) – The style of the bibliography.