

Alexandria

v0.0.1

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

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ABSTRACT

Alexandria allows a single document to have multiple bibliographies.

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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:

```
1 #import "@preview/alexandria:0.0.1": *  
2 #show: alexandria(prefix: "x-", read: path => read(path))  
3  
4 ...  
5  
6 #bibliographyx(  
7   "bibliography.bib",  
8   // title: auto is not yet supported so it needs to be specified  
9   title: "Bibliography",  
10  // full: false is not yet supported so it needs to be specified  
11  full: true,  
12  // currently, only ieee style is supported  
13  style: "ieee",  
14 )
```

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

Note that Alexandria is currently limited to full IEEE bibliographies and non-English bibliographies are untested, but more general support is planned soon.

II EXAMPLE

Below is an example text using equivalent content, showing the current problems:

- References are not yet ordered by citation order.
- Alexandria citations are converted to links and are thus affected by link rules.
- The native bibliography has numbering: none applied to its title, while Alexandria's hasn't. `show bibliography: set heading(...)` also won't work on it.
- Adjacent citations aren't collapsed yet, thus the Alexandria version misses a comma.
- Non-full bibliographies are not supported yet, thus there's an extra entry in the Alexandria version.

None of these should be insurmountable in the near future.

II.a Alexandria version

For further information on pirate and quark organizations, see [2] [3]. [R. Astley and L. Morris](#) discuss the theory of distributed dumplings.

II.a.a Bibliography

- [1] R. Astley and L. Morris, "At-scale impact of the Net Wok: A culinarily holistic investigation of distributed dumplings," *Armenian Journal of Proceedings*, vol. 61, pp. 192–219, 2020.
- [2] P. T. Leeson, "The Pirate Organization."
- [3] P. T. Leeson, "The Quark Organization."
- [4] B. Aldrin, "An Insight into Bibliographical Distress."

II.b Native Typst version

For further information on pirate and quark organizations, see [1], [2]. R. Astley and L. Morris discuss the theory of distributed dumplings.

Bibliography

- [1] P. T. Leeson, "The Pirate Organization."
- [2] P. T. Leeson, "The Quark Organization."
- [3] R. Astley and L. Morris, "At-scale impact of the Net Wok: A culinarily holistic investigation of distributed dumplings," *Armenian Journal of Proceedings*, vol. 61, pp. 192–219, 2020.

III MODULE REFERENCE

III.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()`.

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

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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,  
  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.

```
1 #bibliographyx(  
2   "bibliography.bib",  
3   title: "Bibliography",  
4   full: true,  
5   style: "ieee",  
6 )
```

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Parameters:

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

`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. Currently only ieee is supported.