

biblatex-mnras

Fabian Scheuermann*

2025-01-11

This package implements the bibliography style of the *Monthly Notices of the Royal Astronomical Society* (MNRAS) in biblatex. While there is an official [MNRAS document class](#), it only works with natbib for the bibliography management. The package is intended to be used with the bibentries generated from the *SAO/NASA Astrophysics Data System* ([ADS](#)). Those entries include the fields adsurl, eprint and doi. They are used to create links to the respective sites which are set behind the journal and volume/page part of the reference. The style can be loaded with

```
\usepackage[style=biblatex-mnras]{biblatex}
```

and for the correct sorting the following code is required before the \printbibliography

```
\newrefcontext[sorting=nyt]
```

A copy of this package can be obtained from [GitHub](#).

Style

The journal asks for an author (year) format and a detailed description can be found in the [Instructions to Authors](#). In the text, the presentation depends on the number of authors:

- One author is either written as Adams ([1994](#)) or (Adams [1994](#)).
- Two authors use an ampersand Baker & Brown ([1991](#)) or (Baker & Brown [1991](#)).
- Three authors show all three names at first mention (Smith, Jones & Brown [2001](#)), but only the first author thereafter (Smith et al. [2001](#)).
- Four authors (or more) only show the first author Watson et al. ([1994](#)) or (Watson et al. [1994](#)).
- Several papers by the same author(s) are styled like (Adams [1994](#), [1995](#)) or (Williams et al. [2000a,b](#)).
- When several papers are cited in brackets, they should be ordered by date and separated by semi-colons (Baker & Brown [1991](#); Adams [1994](#); Smith et al. [2001](#)).

*f.scheuermann@uni-heidelberg.de

The previous examples were all for articles. Here are some examples for other formats:

- A Book looks like Brown (2005).
- An InBook looks like Irwin & Baker (2016).
- An InProceedings looks like Iverson, Parker & Green (2017).
- A Misc looks like Miller (2014).
- An Unpublished looks like Underwood et al. (2025).

References

This is how the entries look in the bibliography:

Adams, P. I., 1994, *journal*, *volume*, *pages*
Adams, P. I., 1995, *AJ*, *3*, 141592
Baker, E., Brown, E., 1991, *ApJ*, *2*, 71828
Brown, A. B. C., 2005, *Title of the book*, *Publisher*
Irwin, E., Baker, F. G., 2016, *Booktitle*, *Title of chapter*, 12–256
Iverson, H., Parker, B. G., Green, A., 2017, *Title of the series*, *vol. 2*, 141–168
Miller, I., 2014, *Can be anything*, *Publisher*
Smith, A., Jones, P., Brown, J., 2001, *MNRAS*, *25*, 2025
Underwood, J. et al., in preparation, *No title yet*
Watson, B. G., Smith, A., Jones, P., Brown, J., 1994, *A&A*, *13*, 42
Williams, B. G., Smith, A., Jones, P., Brown, J., 2000a, *Nature*, *1*, 1
Williams, B. G., Smith, A., Jones, P., Brown, J., 2000b, *ApJ*, *2*, 2

Issues

So far, not all entry types are implemented. In the case of in-proceedings and books, multiple publications from the same author in one year may cause problems. The code was only tested with biber as the backend.