biblatex-mnras

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This package implements the bibliography style of the *Monthly Notices of the Royal Astronomical Society* (MNRAS) in `biblatex`. The journal uses an author (year) format and it is described in the Instructions to Authors. There is an official MNRAS document class, but is uses `natbib`.

- For one author, use either the form (Jacoby 1989) or e.g. the observations of Jacoby (1989)... as appropriate for the context.
- For two authors, use an ampersand: Ford & Jenner (1978).
- For three authors, give all three names at first mention, e.g. (Baldwin, Phillips & Terlevich 1981), but use first author et al. (in roman, not italic) thereafter, e.g. (Baldwin et al. 1981).
- For more than three authors, use the first author et al., e.g. (Kreckel et al. 2017; Scheuermann et al. 2022).
- For several papers by the same author(s), use the style (Jacoby 1989, 1997) or (Anand et al. 2021a,b) show that...
- When several papers are cited in brackets, they should be ordered by date and separated by semi-colons, e.g. (Leroy et al. 2021a,b; Emsellem et al. 2022; Lee et al. 2022).
- An example for a book (Osterbrock & Ferland 2006), a conference proceeding (Ciardullo 2013) and an arXiv preprint (Barnes et al. 2022)

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}
```

Note: So far, only articles fulfill all style requirements. Other entry types require additional modifications.

References

Anand, G. S. et al., 2021a, MNRAS, 501, 3621
Anand, G. S. et al., 2021b, AJ, 162, 80
Baldwin, J. A., Phillips, M. M., Terlevich, R., 1981, PASP, 93, 5
Barnes, A. T. et al., 2022, arXiv e-prints, arXiv:2205.05679
Ciardullo, R., *Advancing the Physics of Cosmic Distances*, 247
Emsellem, E. et al., 2022, A&A, 659, A191
Ford, H. C., Jenner, D. C., *BAAS*, 665
Jacoby, G. H., 1989, ApJ, 339, 39
Jacoby, G. H., *The Extragalactic Distance Scale*, 197
Kreckel, K., Groves, B., Bigiel, F., Blanc, G. A., Kruijssen, J. M. D., Hughes, A., Schruba, A., Schinnerer, E., 2017, ApJ, 834, 174
Lee, J. C. et al., 2022, ApJS, 258, 10
Leroy, A. K. et al., 2021a, ApJS, 255, 19
Leroy, A. K. et al., 2021b, ApJS, 257, 43
Osterbrock, D. E., Ferland, G. J., University Science Books, *Astrophysics of gaseous nebulae and active galactic nuclei*
Scheuermann, F. et al., 2022, MNRAS, 511, 6087