10 PHYSICS, ASTROPHYSICS, AND ASTRONOMY CITATIONS

AIP CITATIONS IN PHYSICS


The citations may be numbered either in superscript or brackets, that is, as \(^{99}\) or \([99]\). The AIP Style Manual uses superscripts, as do AIP's official journals, such as Chaos and Low Temperature Physics. On the other hand, the organization's own AIP Physics Desk Reference uses brackets, as do journals from the American Physical Society (APS), such as Physical Review E. Either approach is fine. Just be sure you use the same style for the text and reference list. (A few physics journals use the author-year style instead. It has an alphabetized reference list with hanging indents.)

Whichever format is used, individual items in the reference list look the same, at least for articles and preprints (which are the way researchers communicate). References are brief: Authors' names as they appear on the title page of the work (M. Shochet and S. Nagel), abbreviated journal title, boldface number for the journal volume, first page number of the article, and, finally, the year in parentheses.

AIP (PHYSICS): REFERENCE LIST

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- The article's title is always omitted. Journal titles are abbreviated and not italicized.

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- The publication volume (or issue number) and series are in boldface. For example, if a reference is to an article in Physical Letters B, issue number 466, page 415, then it appears as Phys. Lett. B **466**, 415 (1999).

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<th>Journal article, online</th>
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- This is an online-only journal; instead of page numbers, it assigns article numbers (in the case of the Park and Thompson article, 055062).
- The citation may also include a Digital Object Identifier (DOI) after the URL. The DOI is a unique identifier assigned to most STM journal articles. For the Park and Thompson article, doi:10.1088/1367-2630/11/5/055062.

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- The AIP Style Manual says to list up to three authors. If there are more authors, name only the first and add "et al." in italics. Example: Dante Gatteschi et al., Molecular Nanomagnets . . .
CITATIONS IN ASTROPHYSICS AND ASTRONOMY

Astronomy and astrophysics don't use the AIP/physics citation style or, for that matter, any single format. But most leading journals are fairly similar. They generally use (author-year) citations in the text, followed by an alphabetical reference list. The reference list follows some fairly common rules. It generally

- uses hanging indents
- contains no bold or italics
- uses authors’ initials rather than their first names
- joins coauthors’ names with an ampersand “&”
- puts the publication date immediately after the author(s) name (with no comma between the name and date)
- omits the titles of articles
- includes titles for books and gives publisher information
- abbreviates journal names, often reducing them to a couple of initials

- lists only the first page of an article
- ends references without a period

Because there's no published style manual for astronomy and astrophysics, citation formats vary. I've standardized them, based on the most common forms in the leading journals. Here are some illustrations, based on Astronomy and Astrophysics and the Astrophysical Journal, with a little tweaking for consistency.

ASTRONOMY AND ASTROPHYSICS REFERENCE LISTS

**Journal**

- Baugh, C. M. 2006, Rept. Prog. Phys., 69, 3101

**Journal, several by same authors**

- Razzaque, S., & Mészáros, P. 2006b, JCAP, 06, 006

**Journal, online**

- The two articles by Panaitescu are listed as 2005a and 2005b because they have the same author.
- The two articles by Razzaque & Mészáros are listed as 2006a and 2006b because they have the same coauthors.
- The two articles by Pe'er are not listed as 2006a and 2006b because they do not have identical coauthors.

**Preprint**