

Example of hyperlinks in References list

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Abstract

This example shows DOI, PubMed, and PubMedCentral links in the reference list. The latex file uses the **hyperref** package and the bibtex file has the links encoded in a **note** in each bibtex item. The latex file and the bibtex file are shown at the end.

The function `process_bibtex_file(text)` extracts all `@Article{...}` entries from the input BibTeX file and processes each one using `process_bibtex_entry()`. The `process_bibtex_entry(entry)` function uses regular expressions to locate fields for `doi`, `pmid`, and `pmcid` within each entry.

These identifiers are then formatted into LaTeX `\href{}` links compatible with the **hyperref** package, using the `format_note()` function. The formatted links are inserted into the **note** field of the BibTeX entry. If a **note** field is already present, it is replaced; otherwise, a new **note** field is added before the closing brace of the entry.

BibTeX File

In each of the items below, links are listed in the `note={}`. The `\href` indicates a link, the first `{}` contains the URL, and the second `{}` contains the text visible in your reference list.

- A DOI link looks like this. The “`http://dx.doi.org/`” always goes before the DOI number:

```
[doi:
\href{http://dx.doi.org/10.1093/bioinformatics/bth037}
{doi:10.1093/bioinformatics/bth037}]
```

- A PMC link looks like this. The “`http://www.ncbi.nlm.nih.gov/pmc/articles/`” always goes before the PMC number:

```
[PubMed Central:
\href{http://www.ncbi.nlm.nih.gov/pmc/articles/PMC528961}
{PMC528961}]
```

- A PubMed abstract link looks like this. The “`http://www.ncbi.nlm.nih.gov/pubmed/`” always goes before the PMID number:

```
[PubMed:
\href{http://www.ncbi.nlm.nih.gov/pubmed/15290755}
{PMID:15290755}]
```

Example BibTeX Entry with Hyperlinks in the note Field

The following BibTeX entry includes PubMed, PMC, and DOI links in the `note` field using the `\href{}` command from the `hyperref` package.

```
@Article{Magnus22,
  author = {Magnus, M.},
  title = {rna-tools.online: a Swiss army knife for {RNA 3D} structure modeling
},
  journal = {NAR},
  year = 2022,
  volume = 50,
  pages = {W657--W662},

  note = {[PubMed:\href{https://www.ncbi.nlm.nih.gov/pubmed
/35580057}{35580057}]
[PubMed Central:\href{https://www.ncbi.nlm.nih.gov/pmc/articles/
PMC9252763}{PMC9252763}]
[doi:\href{https://doi.org/10.1093/nar/gkac372}{10.1093/nar/gkac372
}]},

  pmid = 35580057,
  pmcid = {PMC9252763},
  doi = {10.1093/nar/gkac372},
}
```

Make sure to compile your LaTeX file with `pdflatex` and include the `hyperref` package in your preamble to enable clickable hyperlinks.

Below is a complete example BibTeX entry as input:

```
@Article{Magnus22,
  author = {Magnus, M.},
  title = {rna-tools.online: a Swiss army knife for {RNA 3D} structure modeling
},
  journal = {NAR},
  year = 2022,
  volume = 50,
  pages = {W657--W662},

  pmid = 35580057,
  pmcid = {PMC9252763},
  doi = {10.1093/nar/gkac372},
}
```

1 Body of article

These are the reference citations [1, 2, 3, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26]. Each number is clickable.

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