Package ‘rticles’

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Type Package
Title Article Formats for R Markdown
Version 0.14
Description A suite of custom R Markdown formats and templates for authoring journal articles and conference submissions.
License GPL-3
Imports utils, rmarkdown, knitr, yaml, tinytex (>= 0.19), xfun
SystemRequirements GNU make
URL https://github.com/rstudio/rticles
BugReports https://github.com/rstudio/rticles/issues
RoxygenNote 7.0.2
Suggests testit, bookdown, xtable
Encoding UTF-8
NeedsCompilation no
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**Description**

Most article formats are based on `rmarkdown::pdf_document()`, with a custom Pandoc LaTeX template and different default values for other arguments (e.g., `keep_tex = TRUE`).
Usage

acm_article(...)

acs_article(...,
  keep_tex = TRUE,
  md_extensions = c("-autolink_bare_uris"),
  fig_caption = TRUE
)

aea_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))

agu_article(...,
  keep_tex = TRUE,
  citation_package = "natbib",
  highlight = NULL,
  md_extensions = c("-autolink_bare_uris", "-auto_identifiers")
)

amq_article(...,
  latex_engine = "xelatex",
  keep_tex = TRUE,
  fig_caption = TRUE,
  md_extensions = c("-autolink_bare_uris")
)

ams_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))

asa_article(..., keep_tex = TRUE, citation_package = "natbib")

biometrics_article(..., keep_tex = TRUE, citation_package = "natbib")

tex(..., latex_engine = "xelatex")

elsevier_article(...,
  keep_tex = TRUE,
  md_extensions = c("-autolink_bare_uris")
)

frontiers_article(..., keep_tex = TRUE)

mdpi_article(..., keep_tex = TRUE)

mnras_article(..., keep_tex = TRUE, fig_caption = TRUE)
acm_article

```r
oup_article(
    ..., keep_tex = TRUE,
    citation_package = "natbib",
    md_extensions = c("-autolink_bare_uris")
)
```

```r
peerj_article(..., keep_tex = TRUE)
```

```r
plos_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))
```

```r
pnas_article(..., keep_tex = TRUE)
```

```r
sage_article(..., highlight = NULL, citation_package = "natbib")
```

```r
sim_article(..., highlight = NULL, citation_package = "natbib")
```

```r
springer_article(..., keep_tex = TRUE, citation_package = "none")
```

```r
tf_article(..., keep_tex = TRUE, citation_package = "natbib")
```

**Arguments**

`...`, `keep_tex`, `latex_engine`, `citation_package`, `highlight`, `fig_caption`, `md_extensions` Arguments passed to `rmarkdown::pdf_document()`.

**Value**

An R Markdown output format.

**Details**

You can find more details about each output format below.

**acm_article**

Format for creating an Association for Computing Machinery (ACM) articles. Adapted from http://www.acm.org/publications/article-templates/proceedings-template.html.

**acs_article**

Format for creating an American Chemical Society (ACS) Journal articles. Adapted from http://pubs.acs.org/page/4authors/submission/tex.html.

**aea_article**

Format for creating submissions to the American Economic Association (AER, AEJ, JEL, PP).
acm_article

agu_article
Format for creating a American Geophysical Union (AGU) article. Adapted from https://publications.agu.org/author-resource-center/checklists-and-templates/.

amq_article
Ce format a été adapté du format du bulletin de l’AMQ.

ams_article
Format for creating an American Meteorological Society (AMS) Journal articles. Adapted from https://www.ametsoc.org/ams/index.cfm/publications/authors/journal-and-bams-authors/author-resources/latex-author-info/.

asa_article
This format was adapted from The American Statistican (TAS) format, but it should be fairly consistent across American Statistical Association (ASA) journals.

biometrics_article
This format was adapted from the Biometrics journal.

tex
A wrapper function for rmarkdown::pdf_document() and changed the default values of two arguments template and latex_engine so it works better for typesetting Chinese documents with the ctex LaTeX package.

elsevier_article
Format for creating submissions to Elsevier journals. Adapted from https://www.elsevier.com/authors/author-schemas/latex-instructions.

frontiers_article
Format for creating Frontiers journal articles. Adapted from http://home.frontiersin.org/about/author-guidelines.

mdpi_article
Format for creating submissions to Multidisciplinary Digital Publishing Institute (MDPI) journals. Adapted from http://www.mdpi.com/authors/latex.

mnras_article
oup_article
Format for creating submissions to many Oxford University Press journals. Adapted from https://academic.oup.com/journals/pages/authors/preparing_your_manuscript and https://academic.oup.com/icesjms/pages/General_Instructions.

peerj_article
Format for creating submissions to The PeerJ Journal. This was adapted from the PeerJ Overleaf Template.

plos_article
Format for creating submissions to PLOS journals. Adapted from http://journals.plos.org/ploscompbiol/s/latex.

pnas_article
Format for creating submissions to PNAS journals.

sage_article
Format for creating submissions to Sage Journals. Based on the official Sage Journals class.
Possible arguments for the YAML header are:

- title title of the manuscript
- runninghead short author list for header
- author list of authors, containing name and num
- address list containing num and org for defining author affiliations
- corrauth corresponding author name and address
- email correspondence email
- abstract abstract, limited to 200 words
- keywords keywords for the article
- bibliography BibTeX .bib file name
- classoption options of the sagej class
- header-includes: custom additions to the header, before the \begin{document} statement
- include-after: for including additional LaTeX code before the \end{document} statement

sim_article
Format for creating submissions to Statistics in Medicine. Based on the official Statistics in Medicine class.
Possible arguments for the YAML header are:

- title title of the manuscript
- author list of authors, containing name and num
copernicus_article

- address list containing num and org for defining author affiliations
- presentaddress not sure what they mean with this
- corres author and address for correspondence
- authormark short author list for header
- received, revised, accepted dates of submission, revision, and acceptance of the manuscript
- abstract abstract, limited to 250 words
- keywords up to 6 keywords
- bibliography BibTeX .bib file
- classoption options of the WileyNJvD-v2 class
- longtable set to true to include the longtable package, used by default from pandoc to convert markdown to LaTeX code
- header-includes: custom additions to the header, before the \begin{document} statement
- include-after: for including additional LaTeX code before the \end{document} statement

springer_article

This format was adapted from the Springer Macro package for Springer Journals.

tf_article

Format for creating submissions to a Taylor & Francis journal. Adapted from http://www.tandf.co.uk/journals/authors/InteractCADLaTeX.zip.

Examples

```r
## Not run:
rmarkdown::draft("MyArticle.Rmd", template = "acm_article", package = "rticles")
rmarkdown::draft("MyArticle.Rmd", template = "asa_article", package = "rticles")
## End(Not run)
```

copernicus_article

Copernicus journals format.

Description

Format for creating submissions to Copernicus journals.

Usage

```r
copernicus_article(
    ..., 
    keep_tex = TRUE, 
    citation_package = "natbib", 
    md_extensions = c("-autolink_bare_uris", "-auto_identifiers")
)
copernicus_journal_abbreviations(journal_name = "*")
```
Arguments

... Additional arguments to rmarkdown::pdf_document().

keep_tex Keep the intermediate tex file used in the conversion to PDF

citation_package The LaTeX package to process citations, natbib or biblatex. Use none if neither package is to be used.

md_extensions Markdown extensions to be added or removed from the default definition or R Markdown. See the rmarkdown_format for additional details.

journal_name A regular expression to filter the by the journal name, see pattern in grep; defaults to *.

Details

This was adapted from https://publications.copernicus.org/for_authors/manuscript_preparation.html.

An number of required and optional manuscript sections, e.g. acknowledgements, competinginterests, or authorcontribution, must be declared using the respective properties of the R Markdown header - see skeleton file.

Version: Based on copernicus_package.zip in the version 5.3, 18 February 2019, using copernicus.cls in version 8.82.

Copernicus journal abbreviations: You can use the function copernicus_journal_abbreviations() to get the journal abbreviation for all journals supported by the copernicus article template.

Important note: The online guidelines by Copernicus are the official resource. Copernicus is not responsible for the community contributions made to support the template in this package. Copernicus converts all typeset TeX files into XML, the expressions and markups have to be highly standardized. Therefore, please keep the following in mind:

- Please provide only one figure file for figures with several panels, and please do not use \subfloat or similar commands.
- Please use only commands in which words, numbers, etc. are within braces (e.g. \text{TEXT} instead of \{\text{TEXT}\}).
- For algorithms, please use the syntax given in template.tex or provide your algorithm as a figure.
- Please do not define new commands.
- The most commonly used packages (\usepackage{}) are integrated in the copernicus.cls. Some other packages often used by the community are defined in template.tex. Please do not insert additional ones in your *.tex file.
- Spaces in labels (\label{}) are not allowed; please make sure that no label name is assigned more than once.
- Please do not use \paragraph{}: only \subsubsection{} is allowed.
- It is not possible to add tables in colour.

Value

An R Markdown output format.
**Note**

If you use `rmarkdown::pdf_document()`, all internal references (i.e. tables and figures) must use `\ref{}` whereas with `bookdown::pdf_document2()`, you can additionally use `@ref()`.

**References**

Manuscript preparation guidelines for authors. [https://publications.copernicus.org/for_authors/manuscript_preparation.html](https://publications.copernicus.org/for_authors/manuscript_preparation.html)

**Examples**

```r
names(copernicus_journal_abbreviations())
copernicus_journal_abbreviations(journal_name = "Science Data")
```

```r
definal_draft("MyArticle.Rmd", template = "copernicus_article", package = "rticles")
render("MyArticle/MyArticle.Rmd")
```

**Description**


**Usage**

```r
iee_article(  draftmode = c("final", "draft", "draftcls", "draftclsnofoot"),  hyphenfixes = "op-tical net-works semi-conduc-tor",  IEEEspecialpaper = ",",  with_ifpdf = FALSE,  with_cite = FALSE,  with_amsmath = FALSE,  with_algorithmic = FALSE,  with_subfig = FALSE,  with_array = FALSE,  with_dblfloatfix = FALSE,  keep_tex = TRUE,  pandoc_args = NULL,  md_extensions = c("autolink_bare_uris"),
  ...
)
```
Arguments

**draftmode**  Specify the draft mode to control spacing and whether images should be rendered. Valid options are: "final" (default), "draft", "draftcls", or "draftclsnofoot".

**hyphenfixes**  A character value that provides the correct hyphenations for ambiguous words. Separate new words with spaces.

**IEEEspecialpaper**  A character value containing the publication’s special paper designation.

**with_ifpdf**  A logical value turning on (TRUE) or off (FALSE) the ifpdf LaTeX package.

**with_cite**  A logical value turning on (TRUE) or off (FALSE) the cite LaTeX package.

**with_amsmath**  A logical value turning on (TRUE) or off (FALSE) the amsmath LaTeX package.

**with_algorithmic**  A logical value turning on (TRUE) or off (FALSE) the algorithmic LaTeX package.

**with_subfig**  A logical value turning on (TRUE) or off (FALSE) the subfig LaTeX package.

**with_array**  A logical value turning on (TRUE) or off (FALSE) the array LaTeX package.

**with_dblfloatfix**  A logical value turning on (TRUE) or off (FALSE) the dblfloatfix LaTeX package.

**keep_tex**  Keep the intermediate tex file used in the conversion to PDF

**pandoc_args**  Additional command line options to pass to pandoc

**md_extensions**  Markdown extensions to be added or removed from the default definition or R Markdown. See the `rmarkdown_format` for additional details.

Additional arguments to `rmarkdown::pdf_document`

Details

Presently, only the "conference" paper mode offered by the IEEEtran.cls is supported.

References


joss_article  *Journal of Open Source Software (JOSS) format.*

Description

Format for creating a Journal of Open Source Software (JOSS) or Journal of Open Source Education (JOSE) articles. Adapted from https://github.com/openjournals/wedon. As these journals take articles as markdown, this format can be used to generate markdown from R Markdown and to locally preview how the article will appear as PDF.
Usage

jss_article(journal = "JOSS", keep_md = TRUE, latex_engine = "xelatex", ...)

Arguments

- **journal**: one of "JOSS" or "JOSE"
- **keep_md**: Whether to retain the intermediate markdown and images. Defaults to TRUE.
- **latex_engine**, ...
  Arguments passed to `rmarkdown::pdf_document`

Details

The following variables may be set in YAML metadata to populate fields in the article PDF, but are only necessary for local preview: `formatted_doi`, `citation_author`, `year`, `volume`, `issue`, `page`, `submitted`, `published`, `review_url`, and `archive_doi`.

---

**jss_article**

*Journal of Statistical Software (JSS) format.*

Description

Format for creating a Journal of Statistical Software (JSS) articles. Adapted from [http://www.jstatsoft.org/about/submissions](http://www.jstatsoft.org/about/submissions).

Usage

jss_article(..., keep_tex = TRUE, citation_package = "natbib")

Arguments

- **...**: Arguments to `rmarkdown::pdf_document`
- **keep_tex**: Keep the intermediate tex file used in the conversion to PDF
- **citation_package**: The LaTeX package to process citations, natbib or biblatex. Use none if neither package is to be used.
**rjournal_article**  
*R Journal format.*

**Description**

Format for creating R Journal articles. Adapted from [https://journal.r-project.org/submissions.html](https://journal.r-project.org/submissions.html).

**Usage**

```r
rjournal_article(..., citation_package = "natbib")
```

**Arguments**

- `...`: Additional arguments to `rmarkdown::pdf_document`.
- `citation_package`: "natbib".

---

**rsos_article**  
*Royal Society Open Science journal format.*

**Description**

Format for creating submissions to Royal Society Open Science journals.

**Usage**

```r
rsos_article(
    ..., keep_tex = TRUE,
    latex_engine = "xelatex",
    pandoc_args = NULL,
    includes = NULL,
    fig_crop = TRUE
)
```

**Arguments**

- `...`: Additional arguments to `rmarkdown::pdf_document`.
- `keep_tex`: Keep the intermediate tex file used in the conversion to PDF.
- `latex_engine`: LaTeX engine for producing PDF output. Options are "pdflatex", "lualatex", and "xelatex".
- `pandoc_args`: Additional command line options to pass to pandoc.
- `includes`: Named list of additional content to include within the document (typically created using the `includes` function).
- `fig_crop`: TRUE to automatically apply the `pdfcrop` utility (if available) to pdf figures.
Author(s)
Thierry Onkelinx, <thierry.onkelinx@inbo.be>

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**rss_article**

**Royal Statistical Society Journal Format**

**Description**

**Usage**

```r
rss_article(..., keep_tex = TRUE, citation_package = "natbib")
```

**Arguments**

- `...` Arguments to `rmarkdown::pdf_document`
- `keep_tex` Keep the intermediate tex file used in the conversion to PDF
- `citation_package` The LaTeX package to process citations, `natbib` or `biblatex`. Use `none` if neither package is to be used.
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