

# rsc — BibTeX styles for Royal Society of Chemistry and Wiley journals\*

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## Abstract

The rsc package provides BibTeX style files to produce bibliographies in accordance with the guidelines of the Royal Society of Chemistry and Wiley chemistry-related journals. The styles require the use of natbib and mciteplus. In addition, a short LaTeX package is included; this provides a convenient user interface to the customisation hooks made available by the BibTeX styles.

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## 1 Introduction

Although synthetic chemists do not, in the main, use LaTeX for the preparation of journal articles, it would be nice to be able to use it for reports. The package achemso provides for a BibTeX style and other support for reports in the style of the American Chemical Society. The aim of the rsc package is to provide similar support for the style favoured by the Royal Society of Chemistry. The package also provides support for the style used in Wiley-published journals.

As of version 3, this bundle requires the use of natbib and mciteplus. These two packages make creating bibliographies much easier for chemists. As both require correctly-designed BibTeX styles, providing versions supporting different combinations had become error-prone and confusing.

## 2 Using the styles

The styles are used in the normal way for BibTeX styles, as the argument to the `\bibliographystyle` macro. As both natbib and mciteplus are required, these must of course be loaded. Citations can then be given as normal:

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\*This file describes version v3.0, last revised 2008/08/27.

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Some standard citations.<sup>1,2</sup>

A multiple citation.<sup>3</sup>

Some natbib-specific features: Abernethy *et al.*<sup>1</sup> have said something, as reported by Cotton *et al.*, in 1992.

Some standard citations

`\cite{Abernethy2003,Cotton1999}.\`

A multiple citation

`\cite{Arduengo1992,*Arduengo1994}.\`

Some `\textsf{natbib}`-specific features:

`\citet{Abernethy2003}` have said something, as reported by `\citeauthor{Cotton1999}`, in `\citeyear{Arduengo1992}`.

To make life slightly easier for the user, a small  $\text{\LaTeX}$  package accompanies the  $\text{\BibTeX}$  files. It automatically loads the support packages, and handles customisation (see the next section).

```
\documentclass{article}
\usepackage{rsc}
\begin{document}
% Document body here
\bibliographystyle{rsc} % or angew
\bibliography{your-bibtex-database}
\end{document}
```

### 3 Customising the styles: the $\text{\LaTeX}$ package

Both of the styles provide a small number of control hooks to modify the output behaviour. These can be altered directly, using a mechanism similar to that used by  $\text{\IEEEtran}$ s. However, for most users, this is overly complex. A short  $\text{\LaTeX}$  package is therefore provided, which provides high-level access to the customisation.

The `maxnames` option sets whether and when a long list of authors is truncated, and takes an integer value. Giving the value 0 means that no truncation occurs, otherwise the list is truncated if the number of names exceeds the given value. The `usetitle` and `usedoi` options are simple Boolean switches. The `usetitle` option sets whether to include the titles of journal articles in the bibliography. The default is `false`; the only `rsc` journal using article titles is *Photochemical & Photobiological Sciences*. The `usedoi` option forces the use of DOI information in cases where it would not normally be present (for example journal articles with page ranges available). This is intended to make it easier for readers to find journal information.

The `super` Boolean option turns on superscript citations, and is `true` by default. It also causes the `natmove` package to be loaded if available (`natmove` is part of the `achemso` bundle). This ensures that citations appear *after* punctuation even if given before in the text. This documentation has been compiled using `natmove`: see the input of the example citations in the previous section.

### 4 Change History

v1.0

General: Initial release of packaged

`rsc.bst` ..... 1

v2.0

General: First re-write of package . 1

v3.0

General: Second re-write of package 1

## 5 References

- [1] C. D. Abernethy, G. M. Codd, M. D. Spicer and M. K. Taylor, *J. Am. Chem. Soc.*, 2003, **125**, 1128–1129.
- [2] F. A. Cotton, G. Wilkinson, C. A. Murillio and M. Bochmann, *Advanced Inorganic Chemistry*, Wiley, Chichester, 6th edn., 1999.
- [3] (a) A. J. Arduengo, III, H. V. R. Dias, R. L. Harlow and M. Kline, *J. Am. Chem. Soc.*, 1992, **114**, 5530–5534; (b) A. J. Arduengo, III, S. F. Gamper, J. C. Calabrese and F. Davidson, 1994, **116**, 4391–4394.