

# Basic Tips: Write Better Research Papers

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## Related Articles

- Education: [Tips for Writing Better Science Papers](#)
- Education: [Tips for Your Poster and Your Presentation](#)
- Education: [Tips for Writing Better Science Papers: Titles \(2\)](#)
- Magazine: [Writing for Scientists](#)

**With an article, you want to show that you have got significant results**, your ideas are supported by your data, and what the alternative explanation is, if not. You want to get your idea across to other scientists from the same field, to scientists from other fields, to journalists, etc. To do so, think of who you are writing for in each part of your paper, and use simple and clear language, don't bury your findings in technical jargon and rare words. Tell a story that is easy to follow. This increases the fluency for the reader, and helps the editors, the reviewers, and other readers to be able to really understand how important your work is.

## Title



Broadest readership  
Grab attention of reader  
Say why is important

- Short
- Specific (Keywords)
- Interesting
- Main message

## Abstract



Broad readership

- What done?
- How?
- So what?

## Introduction



Reasonable broad readership  
Sets your work in context  
(background & previous work)

- Why important?
- What unknown?
- Your aim

Specific readership

Support claims made in introduction

- How do your data back up your idea?
- Discuss most critical/ surprising results
- Don't ignore anomalies



Results & Discussion



Conclusions

Experimental



Very specific readership

Write your experiments so others can follow

- Be consistent
- Don't keep small details a secret



Broad readership

6-8 sentences

Summary of main results

- Specific & concise
- Why important?
- Useful in wider field?
- What's next?

Invest in software  
Use most up-to-date &  
most relevant references  
Use a few key reviews;  
avoid overreferencing



References



Make sure you check the author guidelines of the journal for guidance on the requirements.

For details see:

- [Tips for Writing Better Science Papers](#),  
Richard Threlfall,  
*ChemistryViews.org* 2013.
- free Webinar: [How to Write High-impact Research Papers / 如何撰写高影响力的研究论文](#),  
Richard Threlfall,  
*ChemistryViews.org* 2013.  
Step-by-step guide to composing an exciting and thought-provoking manuscript which will impress journal editors, referees and readers

[http://www.chemistryviews.org/details/ezine/10193491/Basic\\_Tips\\_Write\\_Better\\_Research\\_Papers.html?elq\\_mid=14717&elq\\_cid=2516413](http://www.chemistryviews.org/details/ezine/10193491/Basic_Tips_Write_Better_Research_Papers.html?elq_mid=14717&elq_cid=2516413)