

# How to Write an Academic Paper

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## 1 ABSTRACT

There must be the moment when some one has to write a thesis. But one may be confused, even though we have read more than one paper, we have no idea about how to write one. I think teach you how to write a good paper is the duty of your mentor. But "writing can be a trouble spot for both students and faculty"[3].

For students, many students dread writing, they may find it difficult to get their work published or write their dissertations. And for teachers, it will always consume lots of time to help students write better.

Student should aware that papers are far more durable than programs [2]. And writing paper can help one to develop the idea in the first place. So do not feel intimidated about writing papers. The reason one person needs to write a paper is always different. Maybe their mentors ask them to, want they to publish their ideas to others. A paper can hold one's ideas, and is more durable than a presentation.

But a good paper is more than a record of words. A good paper should be clearly and accessible. People can easily understand what's your idea, and feel pleasure to accept it. People will enjoy a good paper and learn something from it! [1]

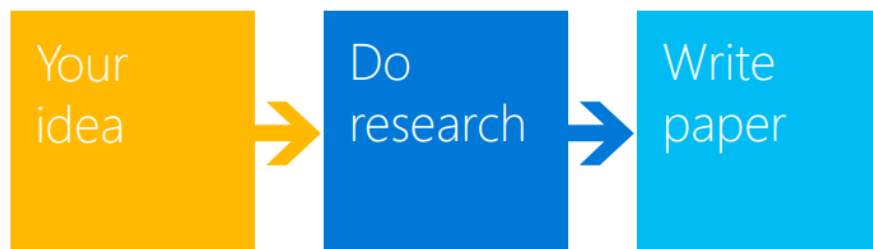


图 1: traditional procedure of work

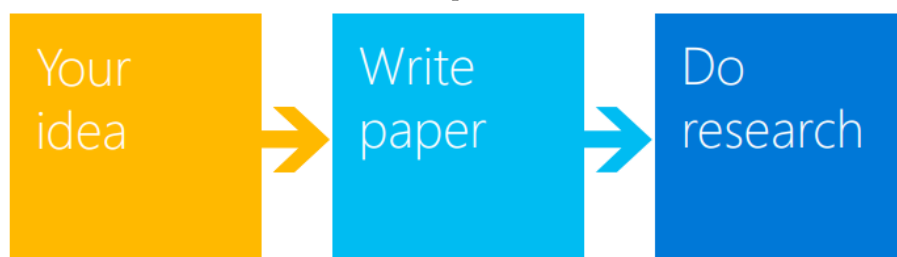


图 2: better procedure of work

## 2 main body

### 2.1 Procedure

From Jones's[2] presentation, there are some useful procedures to help one write a good paper. A big reason that one can't write a good paper is that he can not publish his idea clearly. So, it is very import to identify your key idea. In a newbie's mind, the way to do the work may like 1.

But the procedure like 2 may be better. Writing papers is a primary mechanism for doing research instead of just for reporting it [2]. Follow the new way to do your research work, it can force you to be clear, and focu on your work. And by writing paper before doing research, you can eazily to find what you don't understand.

## 2.2 Principles

There are some principles help one to write a good acadmic paper. When one try to explain their works, or publish their ideas, they may follow the below principles:

- Omit needless words.
- Pay attention to the rhythm of the paragraph.
- Group ideas into sentences in the most logical way.

Actually, there're many principles that people have and followed. Every professors may have their own principles to write a good academic paper.

**Flow** It should be clear how each sentence and paragraph relates to the adjacent ones. [1] When a paper has a good flow style, readers can eazily follow your idea. From what the problem is, to how to resolve the proble, and finally show the effiecient of the solution. Follow this way, people can understand what's your idea and waht's your desion, and know your major contribution.

A good flow of your paragraphs is important for your paper to be eazily understood. In more detail place,flow is still an important principle. The old to new principle can help you keep the follow inner one sentence. In one sentence, show the information which more older before the lately one.This can help readers accept the information like time goes by and focus on the new things.

**Coherence** Good flow is not enough. A good paper also needs good coherence. For the paper, one paper should have only one key point, and typically it should appears in the front of the paper. For the paragraph, the main idea of the paragraph should place in the first position.

Combining the flow principle and the coherence principle, the paper should not be too poorly to read.

## References

- [1] SDerek Dreyer. *How to Write Papers So People Can Read Them*. URL: <https://popl16.sigplan.org/details/PLMW-2016-home/9/How-to-Write-Papers-So-People-Can-Read-Them>.
- [2] Simon Peyton Jones. *How to write a great research paper*. URL: <https://www.microsoft.com/en-us/research/academic-program/write-great-research-paper/>.
- [3] Norman Ramsey. *Learn technical writing in two hours per week*. URL: <https://www.cs.tufts.edu/~nr/pubs/two.pdf>.