PART 1：撰写研究论文 WRITING A RESEARCH PAPER

优秀论文需要具备哪些特质?

1、The role of publication in the research life cycle

发表论文是敲门砖，用于建立学术声誉，有利于开展合作与获得经费。

2、Starting to write and using storytelling to craft your paper

写作帮助你组织你的思想，挑战你实验的逻辑。提前开始写稿子可以帮助你获得更全面的数据(并以最有效的方式呈现它们)。it is useful to start working on your paper as early as possible.

Communicating about your findings to your peers and to non-specialist readers goes well beyond just presenting your results. When writing, keep in mind that you need to guide your reader through your thought process to bring them to understand how you reached your conclusions and how your experiments support your findings. This process will ensure that you write a clear and logical article that is accessible to your audience.

与人讨论，检验逻辑是否严密。实验的同时应始终考虑文章全貌，由此发现是否有论证的缺失。

好的文章应该包括：Good data，Good story

3、What do editors look for in a great paper?

对于每一个读者来说，一个基本的要素是它是否包含与他们自己的研究领域直接相关的可靠发现，并推动他们对该领域的理解。编辑职责在于选择其读者感兴趣的文章。

（实用、创新、可靠）

当你为你的论文选择期刊时，一定要从他们的网站上找到他们选择论文的标准，并浏览他们在过去几年发表的一些论文，以了解他们在寻找什么。

4、There is no magic formula to writing a great paper

一篇好文章是要花苦功夫打磨的。需要清晰、顺畅、严密、直接的讲出因果。

5、Editors' favourite papers

自己 challenge 自己，朋友 challenge 自己。

重要性、热度、合适性。

6、Frequently asked questions

- What is the most common reason for rejection at the Nature Research journals
- How do Editors identify which research areas are a priority for publication?
- How long do editors spend reading a paper? Do they read the whole paper?

7、Summary:

Be a perceptive reader (Represent a striking advance for your field; Have broad implications beyond your field.)

Create your own scientific writing toolbox (Collect examples of papers that you think are particularly effective – whether you like the scientific argument, the figures or the structure. You can also make a list of well-written phrases and useful terms as a source of future inspiration.)

Ask yourself questions as you write your paper

- What makes my work useful and relevant to scientists who work on other topics in the field?
- What previous work does my objective/hypothesis build from?
- What do I need to do/present/explain to convince readers that my data compellingly support my conclusions?
- How do my findings change current thinking in the field?