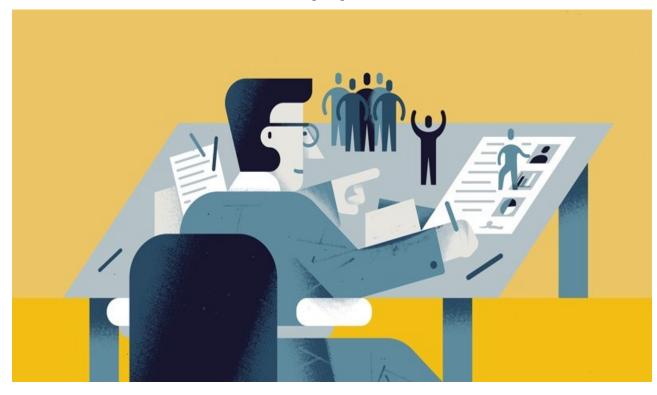
好文章的标准

How to write a first-class paper



Nature **555**, 129-130 (2018)

- Keep your message clear 清晰的信息
- Create a logical framework
 正确的逻辑
- State your case with confidence
 自信的表达
- Beware the curse of 'zombie nouns' 生动的语言
- Prune that purple prose
 简明的方法
- Aim for a wide audience 广泛的受众

写文章之前的准备

阅读足够的文献

文献是科学研究的生命

文献阅读的三个层次:

第一层次,通过阅读文献了解同行进展,也是学术研究过程中最基本的内容;

第二层次,能够对同行成果进行质量评价,分析判断成果的研究水平;

第三层次,熟悉所在研究方向的国内外代表性团队、存在的科学与技术问题等,是取得重要成果的基础。



写文章之前的准备

具备基本的逻辑

与可画竹时,胸中有成竹- 宋诗人晁补之



写文章之前的准备

选择合适的期刊



Which one should I choose for my paper?



Scope

Time to First Decision



Impact







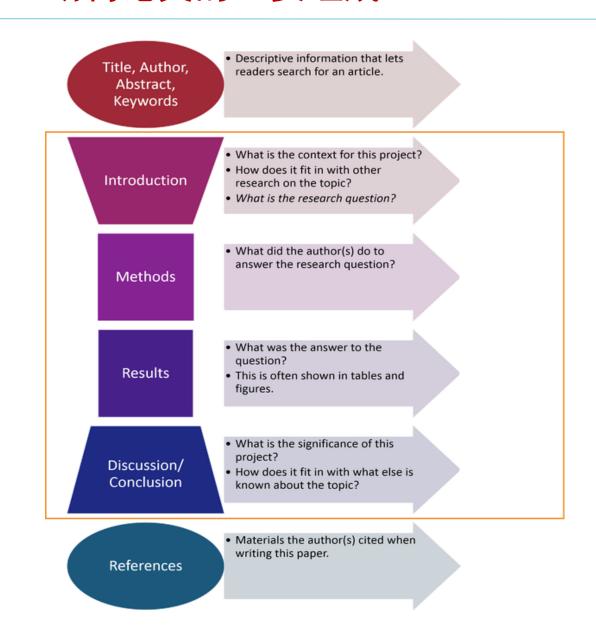
Journal suggester

Refine your recommendations

Please select

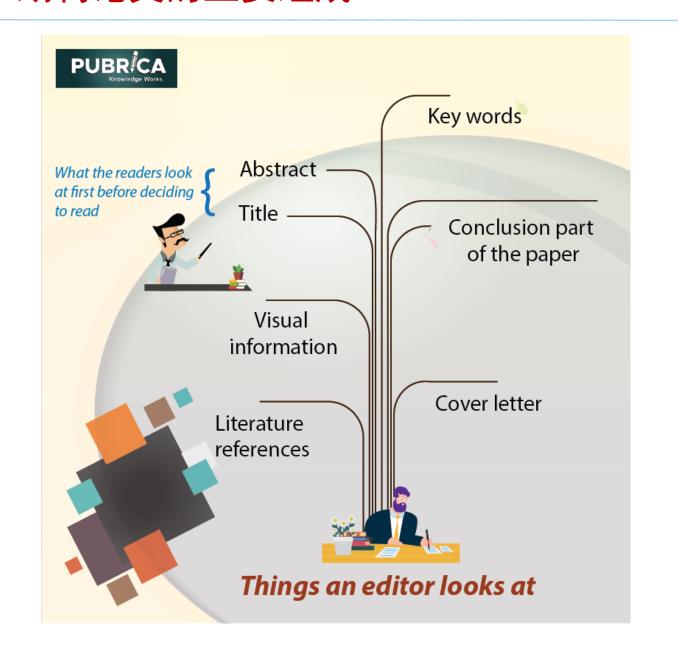
期刊论文的主要组成

Title Abstract Introduction Methods Results Discussion Conclusion Acknowlegements Literature cited

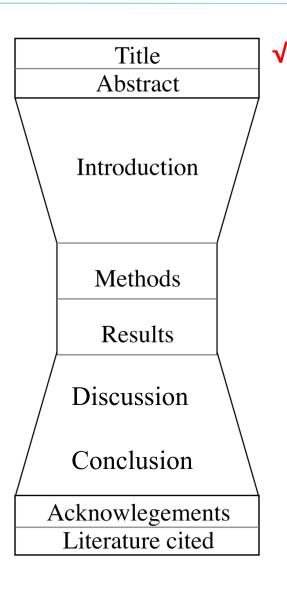


期刊论文的主要组成

Title Abstract Introduction Methods Results Discussion Conclusion Acknowlegements Literature cited



论文的第一印象-题目



LETTER

Did the widespread haze pollution over China increase during the last decade? A satellite view from space

Minghui Tao^{1,2}, Liangfu Chen^{1,2}, Zifeng Wang^{1,2}, Jun Wang³, Jinhua Tao^{1,2} and Xinhui Wang¹

- State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Beijing 100101, People's Republic of China
- ² Joint Center for Global Change Studies, Beijing 100875, People's Republic of China
- Department of Earth & Atmospheric Sciences, University of Nebraska—Lincoln, NE 68588, USA

E-mail: chenlf@radi.ac.cn and wangzf@radi.ac.cn

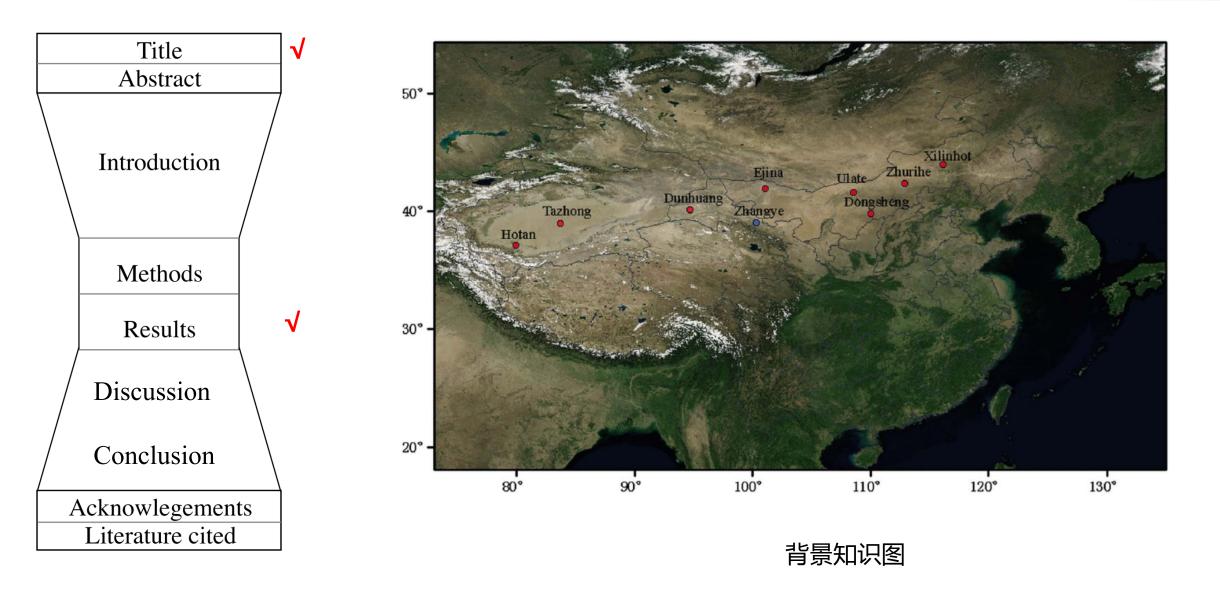
Keywords: haze, aerosol, MODIS, China

Supplementary material for this article is available online

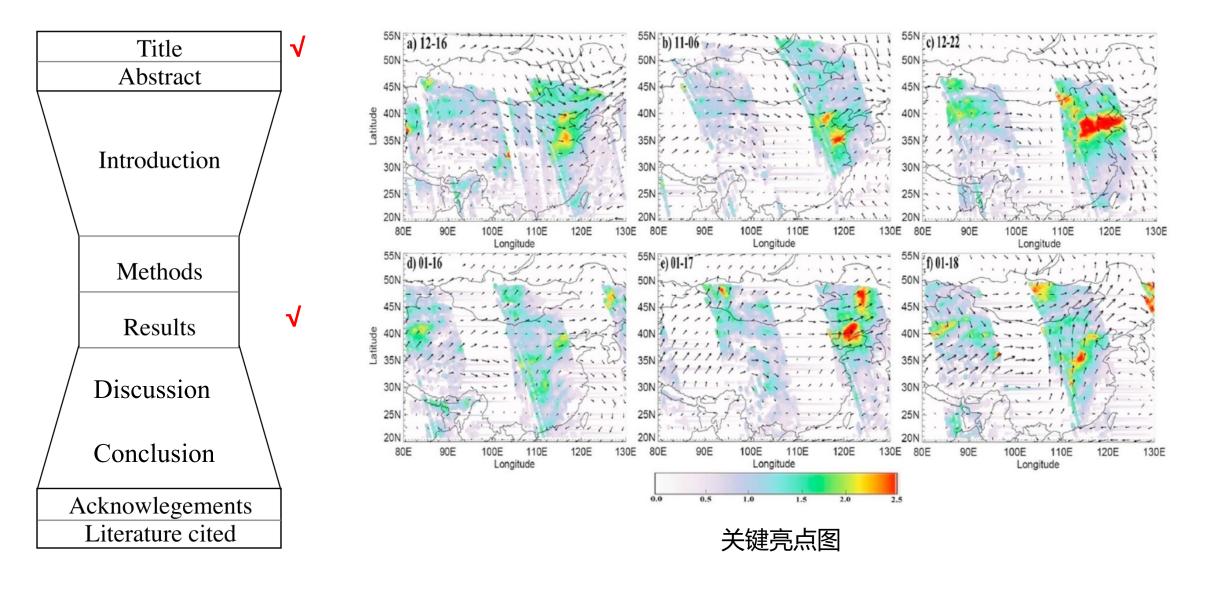
Abstract

Widespread haze layers usually cover China like low clouds, exerting marked influence on air quality and regional climate. With recent Collection 6 MODIS Deep Blue aerosol data in 2000–2015, we analyzed the trends of regional haze pollution and the corresponding influence of atmospheric circulation in China. Satellite observations show that regional haze pollution is mainly concentrated in northern and central China. The annual frequency of regional haze in northern China nearly doubles between 2000 and 2006, increasing from 30–50 to 80–90 days. Though there is a marked decrease in annual frequency during 2007–2009 due to both reduction of anthropogenic emissions and changes of meteorological conditions, regional pollution increases

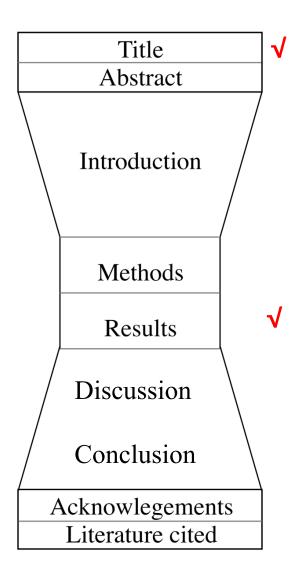
论文的精华-图

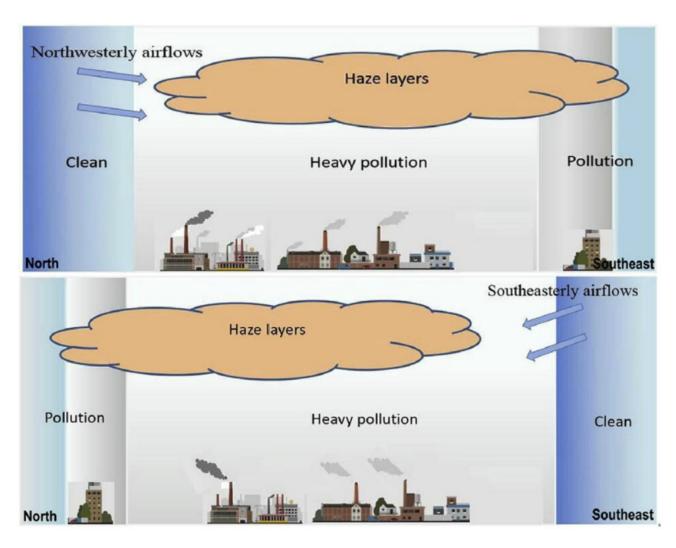


论文的精华-图



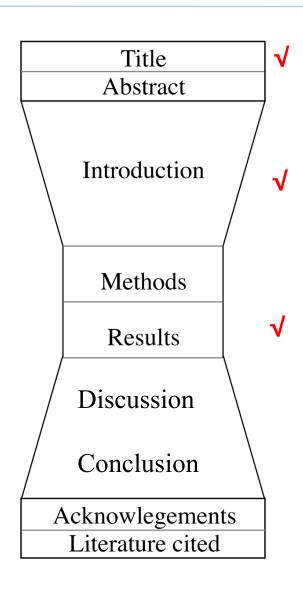
论文的精华-图

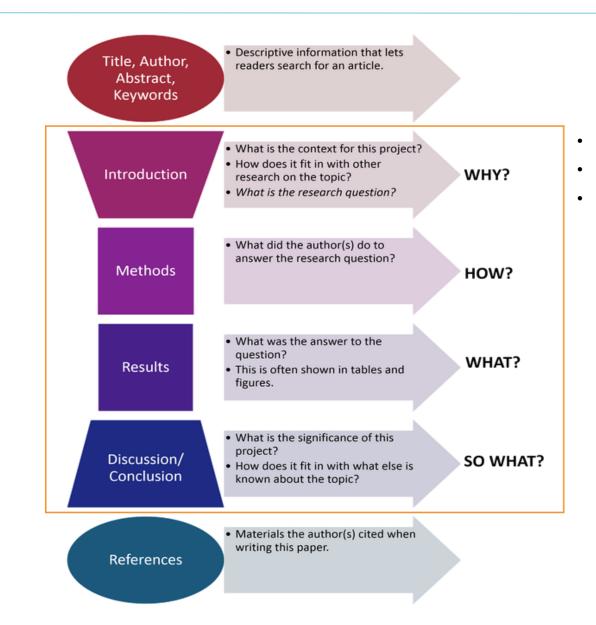




概念图

论文的逻辑基础-引言





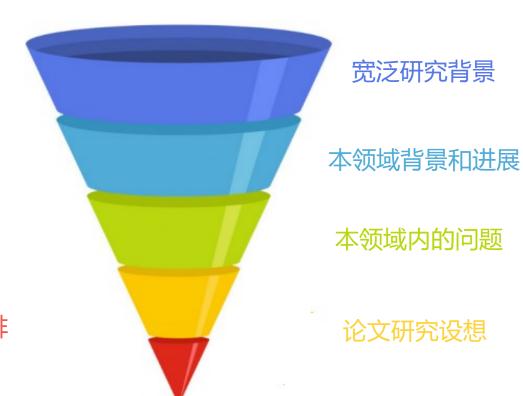
本研究的背景意义?

已有的进展和不足?

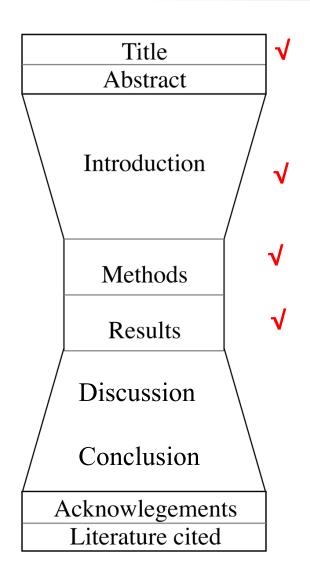
本论文的研究问题?

论文的逻辑基础-引言

- ①雾霾污染是国家和社会广泛关注的重大环境问题,但是大气污染来源复杂多变,浓度和理化特性具有极大的时空变化;
- ②卫星遥感是能够从全球及区域尺度获取全球大气成份时空分布的唯一观测手段...
- ③大气参数卫星遥感反演的难点,现有算法的不足
- ④本研究拟解决的问题,采用的数据和手段、设想;章节组织安排

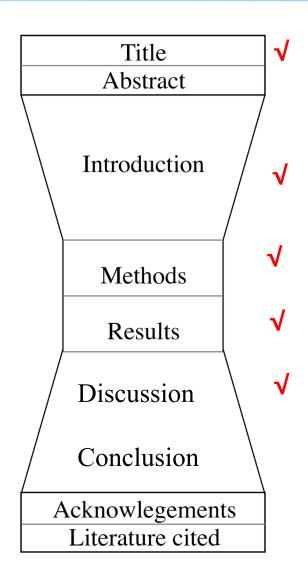


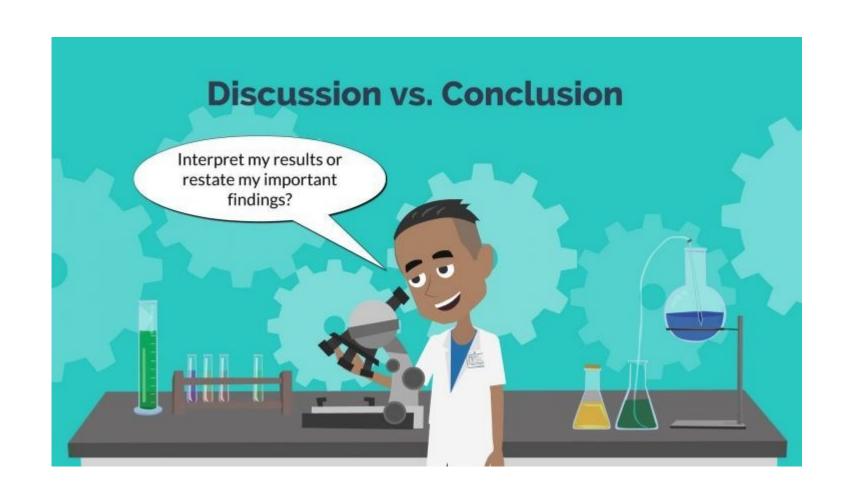
论文的技术说明-数据与方法



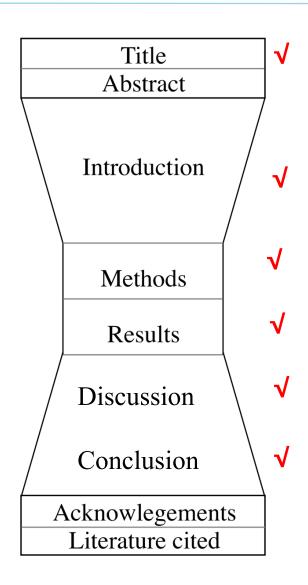


论文观点的强化和展望-讨论



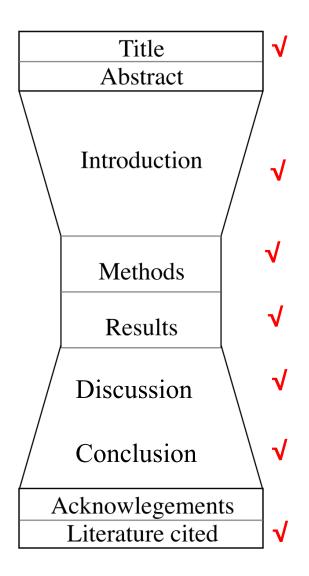


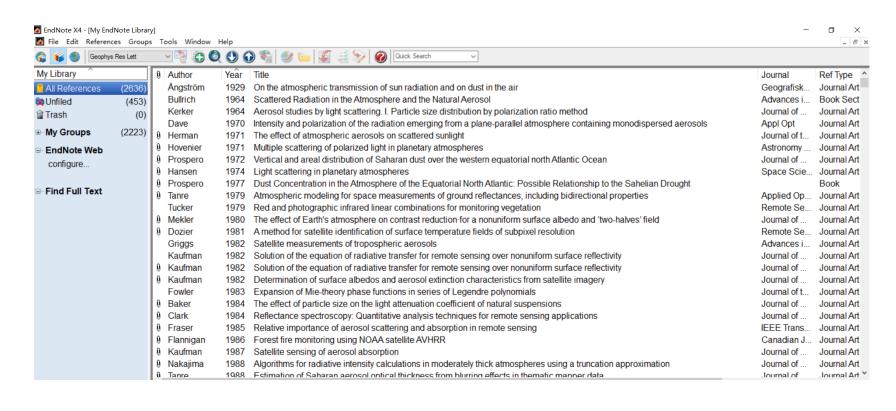
论文的总结-结论和摘要



- The abstract is free, the conclusion is not ... unless your paper is published under Open Access
- The abstract helps decide whether or not your current paper is worth downloading for reading, the conclusion is to decide whether your next paper will be worth reading
- The abstract should **include some motivation** for the research, outline what was done, and a quick summary of the results.
- The conclusion usually explains the results and why they are important. It possibly will provide some explanation behind why the results were the way they were.

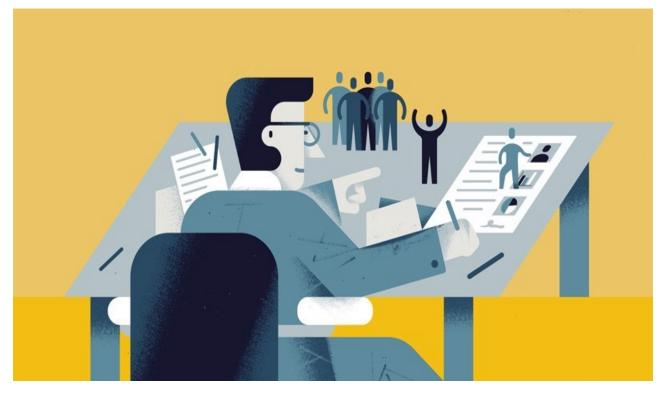
论文的理论依据一参考文献





关于期刊论文写作的一些建议

How to write a first-class paper



Nature **555**, 129-130 (2018)

- Keep your message clear
 论文的根本目的是传递新信息
- Create a logical framework
 论文整体都要围绕一个关键点
- State your case with confidence
 清晰直述论文的新意和优点
- Beware the curse of 'zombie nouns' 避免实验报告式的单调、冗繁描述
- Prune that purple prose
 不要简单问题复杂化、遗漏重要的环节
- Aim for a wide audience
 论文不只是写给小同行看的

关于期刊论文写作的一些感想

・学术论文写作是一个快速学习和自我提升的过程

・学术论文写作是一个自我表达和专业交流的媒介

・学术论文写作是个人学术能力和研究水平的标志