

## A GUIDE FOR WRITING SCIENTIFIC PAPERS

### ONLINE COURSES



#### [Technical Writing: Reports](#)

**Source** Lynda.com | **Instructor** Judy Steiner-Williams

Whether you are a researcher responsible for your own reports or a technical writer interpreting the work of others, this course will help you generate clear, concise, and complete technical reports.



#### [Technical Writing for Scientists and Engineers](#)

**Source** IEEE Courses | **Instructor** Dr Phillip Laplante

This course fills the void with easy to follow discussions and examples on improving technical writing and identifying and solving common writing problems for scientists and engineers.



#### [Writing in the Sciences](#)

**Source** Stanford | **Instructor** Dr Kristin Sainani

This course teaches scientists to become more effective writers, using practical examples and exercises.



Source: Britannica ImageQuest

#### [How to Write and Publish a Scientific Paper \(Project-Centered Course\)](#)

**Source** Coursera | **Instructor** Mathis Plapp

In this project-based course, you will outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow you to independently judge whether your paper is ready to submit.

### ONLINE GUIDES

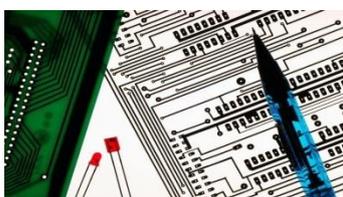


Source: Britannica ImageQuest

#### [Scientific Writing Resource](#)

**Source** Duke

Better writing will benefit your science career in several ways. This material teaches you how to write effectively and communicate what you intend to the reader.



Source: Britannica ImageQuest

#### [11 Steps to Structuring a Science Paper Editors Will Take Seriously](#)

**Source** Elsevier | **Author** Dr Angel Borja

Dr Angel Borja, a seasoned editor, gives advice on organizing your manuscript and getting your work published in an international journal.



#### [Writing Scientific Papers](#)

**Source** Nature Education

This unit will help you write better scientific papers in English. In particular, it will help you select and organise your content, draft your paper, and revise your writing so that your final paper is useful to a broad audience.

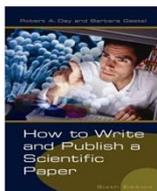


## [Clarity and Impact: Key Tips for Writing a Good Scientific Paper](#)

Source [Mendeley](#) | **Author** Seema Sharma

The guide provides pointers for writing some significant sections of your paper, including abstracts, introductions, citations and conclusions/discussions, avoiding common pitfalls and engaging with readers, reviewers and editors alike. Also view an [infographic](#) visual guide.

## USEFUL BOOKS



### **How to Write and Publish a Scientific Paper**

**Available @ SUTD Library Reference Collection (Call Number T11 DAY)**

**Publisher** Cambridge University Press | **Author** Robert A. Day, Barbara Gastel

The core of the book consists of a how-to guide to writing and publishing research articles for scientific journals, explaining every step of the process, from choosing a suitable journal for your work to presenting the results and citing references.



### [Scientific Papers and Presentations : Navigating Scientific Communication in Today's World](#)

**Publisher** Elsevier | **Author** Martha Davis

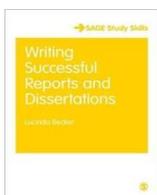
This edition focuses more on electronic publishing and electronic means of text and data presentation, and has a chapter discussing in more detail grant writing proposals.



### [How to Write a Good Scientific Paper](#)

**Publisher** SPIE | **Author** Chris A. Mack

The book talks all about the style and conventions of writing for a peer-reviewed scientific journal and gives practical advice about the process of writing a paper and getting it published.



### [Writing Successful Reports and Dissertations](#)

**Publisher** SAGE | **Author** Lucinda Becker

This handy little book offers expert guidance that enables you to produce a successful report or dissertation. With a focus on developing an effective writing style and argument, this book shows you, step-by-step, how to plan and deliver a perfect piece of writing to gain top marks.

## SAMPLE PAPERS



### [Translucent soft robots driven by frameless fluid electrode dielectric elastomer actuators](#)

Source [Science Robotics](#) | **Date** 25 April 2018



### [Towards ultrafast dynamics with split-pulse X-ray photon correlation spectroscopy at free electron laser sources](#)

Source [Nature Communications](#) | **Date** 27 April 2018



[Image segmentation for intensity inhomogeneity in presence of high noise](#)

Source IEEE Transactions on Image Processing | **Date** 19 April 2018



[Inflationary universe in deformed phase space scenario](#)

Source Annals of Physics | **Date** June 2018