

Papers

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“How many papers do I have to write
to get tenure?”

- Is this the right question?
- How many papers are too many?
- Quality vs. quantity: What is a good paper?

Why write a paper?

- Does the paper add significantly to the scientific body of knowledge?
- More modestly: Do you know researchers who will profit from reading your paper?

How to write a paper?

- Think of the audience!
- Title
 - Should be informative
 - Easy for search engines
 - No technical notation

How to write a paper?

- Abstract
 - Why should people read the rest of your paper?
 - What is new?
 - How does it relate to what's known?

How to write a paper?

- Body of the paper
 - Precise
 - As short as possible
 - Comprehensible
 - As self-contained as possible
 - Well-referenced

What's next?

- Give it to a few colleagues to read!
 - If they give you feedback, acknowledge their help/advice

Intermezzo: Papers? Since when?

The *Journal für die reine und angewandte Mathematik* is the oldest mathematics periodical still in existence. Founded in 1826 by [August Leopold Crelle](#) and edited by him until his death in 1855, it soon became widely known under the name of *Crelle's Journal*. In the 180 years of its existence, *Crelle's Journal* has developed to an outstanding scholarly periodical with one of the worldwide largest circulations among mathematics journals. It belongs to the very top mathematics periodicals, as listed in ISI's Journal Citation Report.



Intermezzo: One famous author in Crelle's Journal

106 8. *Leonardi Euleri Commentatio de Matheseos sublimioris utilitate.*

8.

LEONARDI EULERI Commentatio de Matheseos sublimioris utilitate

ex autographo edidit *G. Friedlaenderus.*

Berolini MDCCCXLVII.

LEONARDI EULERI ea, quam nunc publici juris facturus sum commentatio, quantum comperire mihi licuit, nondum in lucem prodiit, immo ne cognita quidem cuiquam videtur: quippe cujus neque *Nicolaus Fussius* meminert in Eulerianorum operum indice ¹⁾, quem immortalis viri elogio adjecit, neque junior ille *P. H. Fussius*, qui eum indicem et examinavit et auxit. Jam vero

Where to submit your paper?

- Ask colleagues
- What about choosing the same journal as your most important reference(s)?
- Specialty journal or more general journal?
- Paper or electronic publication?

What's a good journal?

- Impact factor
 - [Top 10 All fields](#)
 - [Need Another paper?](#)
- Rankings
 - [Example: Australian Research Council \(Math\)](#)
- Is the journal reviewed?
 - [Mathematical Reviews](#)
 - [Zentralblatt](#)

Check out the “Candidates”!

- Example: [Proceedings of the AMS](#)
- Things to check:
 - Do they publish in your field?
 - Do they have editors related to your field?
 - U.S. or international?
 - Requirements: Length of articles, formatting (templates?) etc.
 - Do you need a sponsor?
 - Will the article be typeset?

Check out the “Candidates”!

- Backlog
 - [Info from the AMS \(Math\)](#)

Submission

- Follow the instructions!
 - Email, web interface, or paper?
- Usually: send to an editor, not a journal!
- Needs a cover letter

What's next?

- Editor sends your paper to referees
 - The refereeing process can take up considerable time!
- Editor sends you the results of the refereeing process:
 - Accepted
 - Accepted, but...
 - Rejected

What's next?

- Accepted?
 - Time line to publication
 - Paperwork
- Accepted, but ...
 - Usually requires minor or major changes, sometimes re-refereeing

What's next?

- Rejected?
 - Find out why (comments by editor or referees)
 - Make changes
 - Submit to another journal
 - No paper will never be published...

Does anyone read my paper?

- Reviews
 - [Example \(M. Zippin\)](#)
 - [Book Reviews](#)
- Citations
 - [Example \(M. Zippin\)](#)