

Publishing your way to success

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Tell us about yourself

- Where do you come from?
- What is your current degree?
- What degree are you pursuing?
- What lab did you join?
- What are your interest?
- What is your prior research experience?
- Have you presented prior work?
- Have you published prior work?
- Do you enjoy writing?

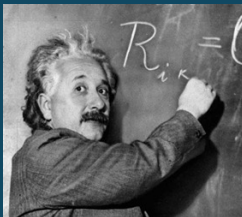
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Overview

- Why publish?
- How to write a good paper
- The reviewing process

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What makes a good paper?



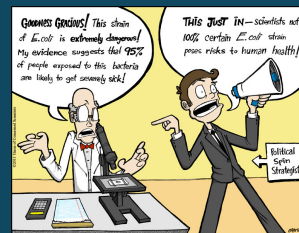
Robust science

All decent journals



Novelty

More important in High Impact Journals



Communication

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How to enhance your writing?

Read, read and read

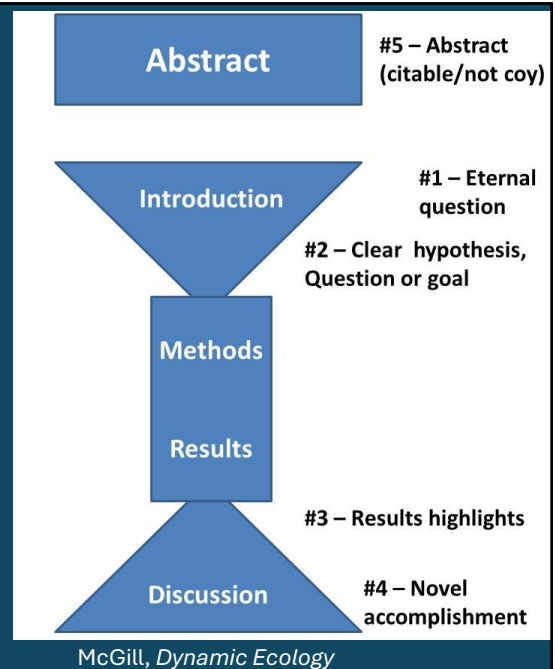
Start early

Start wisely

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Hour-glass model and the Five Pivotal Paragraphs

1. Eternal Question
 - set your net to catch your reader
2. Narrow to your question(s)
 - What will the reader learn?
3. What important thing did you find?
 - Answer to 2.
4. Implication?
 - Progress to answering eternal question



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Why publish?

#1: share / communicate your findings

#2: build your credentials

What matters here?

- Number of publications?
- Position in authorship?
- Journal standing?

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Where to publish?

How do you choose your journal?

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ Fits into scope? <ul style="list-style-type: none"> ▪ Similar papers published? Your references? ▪ Appropriate format <ul style="list-style-type: none"> ▪ MS length? Ideas piece? Data paper? | <ul style="list-style-type: none"> ▪ Good reputation <ul style="list-style-type: none"> ▪ impact factor, unquantifiables ▪ Turn-around time? <ul style="list-style-type: none"> ▪ Scooping danger? Job application? |
|---|---|

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Where to publish?

Have you heard of publication fees?

Benefits of open access
Publishing OA offers a number of benefits, including greater reach and readership for your work:

 <p>Cited more 1.6x more citations of OA articles than non-OA articles across all subjects</p>	 <p>Downloaded more 4x more downloads of OA articles than non-OA articles</p>	 <p>Greater impact 2.5x more Altmetric attention. OA articles attracted 1.9x more news mentions and 1.2x more policy mentions</p>
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The peer review process

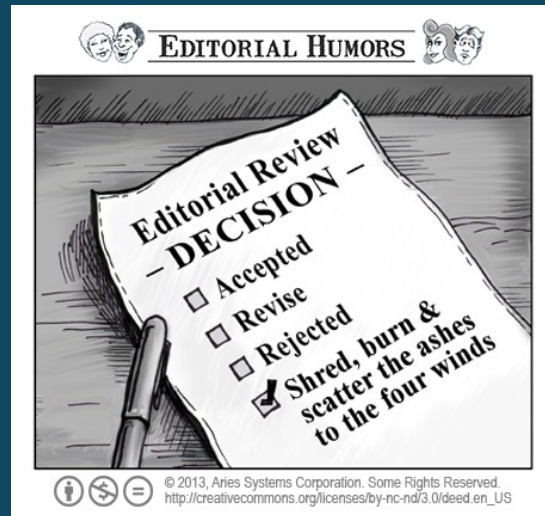
- Critical component of publishing
- Can be a long process



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The decision

- Accepted
- Minor revisions
- Major revisions
- Rejected, but can resubmit
- Rejected and cannot resubmit



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Revising and Responding

- Reviewers are ALWAYS right:
 - Flaw: **Fix it!**
 - Misunderstanding: **Reword/redraw to clarify!**
 - Conflict of interpretation: **Resolve**
- Stay positive it's (usually) not personal
- 75% of published papers are in the 1st journal submitted to.
- Papers that have been rejected once get more citations when published

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Some blogs

- Brian McGill's tips from Dynamic Ecology
 - <https://dynamicecology.wordpress.com/2016/02/24/the-5-pivotal-paragraphs-in-a-paper/>
- Pulitzer winning author Cormac McCarthy's tips on writing a great paper
 - <https://www.nature.com/articles/d41586-019-02918-5>