# Finding and Organizing Research Articles

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Software Day 2021

#### Introduction

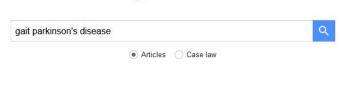
- Finding and organizing research articles can be hit or miss
- However, putting everything off until it's time to write up results is not ideal
- Today I'll demo the tools I use to find and organize research articles, and give general tips and tricks I've found helpful
- This is by no means the best/only way to do things! Everyone has a different workflow, the most important part of staying organized is finding yours!

## First Steps: Google (Scholar) is your friend

#### https://scholar.google.com/

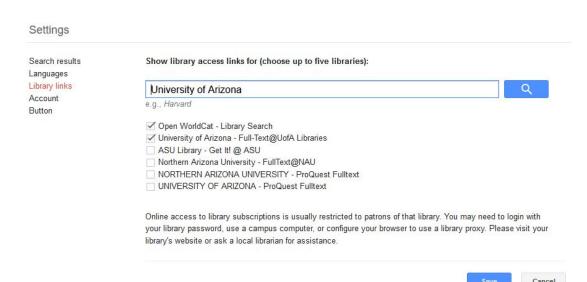
- Access papers easily through Full-Text@UofA Libraries
- Easily export citations in common formats (MLA, APA, Chicago, etc. or Bibtex)
- Use Scholar button plugin to easily look up links,
- Or maybe just make it your homepage...
- Alternatives:
  - PubMed (Bio/Medicine only)
  - Microsoft Academic
  - Sci-Hub





#### Setting up Google Scholar

- Log in with your university or math department email address
- Settings > Library Links >
   Search for University of
   Arizona > select
   "Full-Text@UofA Libraries"
- Save and you are all set!



#### **Article Links**

2. Author profiles provide updates/background info

#### [нтмь] Gait impairments in Parkinson's disease



A Mirelman, P Bonato, R Camicioli, TD Ellis... - The Lancet ..., 2019 - Elsevier

Gait impairments are among the most common and disabling symptoms of Parkinson's disease. Nonetheless, gait is not routinely assessed quantitatively but is described in general terms that are not sensitive to changes ensuing with disease progression ...

☆ 99 Cited by 111 Related articles All 8 versions Import into BibTeX



3. Find more recent research in "Cited by"

[HTML] sciencedirect.com Full-Text@UofA Libraries



1. Access links here

#### **General Tips**

- Unlike regular google, you may need to go several pages deep to find something relevant
- It's not bad to be a hoarder! I download anything and everything.
- When writing your comprehensive exam paper (and dissertation, though I haven't done that yet), it's important to cite everything!
- Pick out a few key papers and authors to act as a "core" for your search. I heavily annotate and write summaries of these, and base my literature searches on them (Using "cited by," "related articles," and their own citations.
- Pathways are important: sometimes a parameter or formula can be traced back to a single study that may not be the most reliable source. If you're skeptical, try to follow things back!

#### Downsides/Issues with Google Scholar

- Links are not always guaranteed to be from peer-reviewed sources!
- The algorithm is not perfect-- you should try a variety of search queries, or utilize another academic search engine to make sure you aren't missing things
- Citations aren't everything: early results on google scholar tend to get cited more regardless of quality

#### What if the one thing I need isn't available?

#### https://new.library.arizona.edu/request/interlibrary-loan

- Articles that don't appear with Full-Text@UofA
   Library can be found with InterLibrary Loan
- To request an article, try to gather as much information as possible from the citation, and fill out the form on the UofA library's website
- This is especially helpful for old articles or dissertations from other institutions

# Article title \* Article authors \* Journal name \* Year \* Month Volume Issue Page Numbers Notes Include any information that may help us find the item ID numbers Get your term sooner! Give us a unique identifier for automated processing. ISSN/ISBN

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#### "I have a bunch of articles, now what?"

- Once we've found a useful reference (or 10), we need a way to get back to it later.
- Several tools exist for organizing research articles:
  - Endnote
  - Zotero
  - Mendeley (The one I use)
- Reminder: This system is what works for me! Don't be afraid to try out various reference managers to find one that suits your needs





# Why I like Mendeley

- Compatible with Mac, Windows, and Linux (I've used it on all 3!)
- Sync papers and highlights across devices
- Organize papers in categories without having multiple copies (tag system)
- Can export citations as a bibtex file
- It just works the majority of the time

## Why I don't like Mendeley

- Developed by Elsevier/not open source
- Sometimes is finicky when pulling citation info
- Firefox plugin is terrible-- sometimes just have to download file and drag and drop into webapp
- Crashed my Linux machine once and I'm still mad at it for that

#### **Live Demo**

- Uploading new research articles and syncing library
- Organizing with folders
- Exporting with Bibtex
- Organize and rename files

#### **Tips for Sorting Research**

- Your system doesn't have to be perfect! It's okay to make mistakes or change things later.
- Take advantage of subfolders. Even if it seems silly to put everything in one big folder, or have only one paper in a folder, it may be helpful later
- Papers can go in more than one folder, treat them more like tags or keywords

#### **Questions?**

Thank you!