Library Resources and Services for Graduate Students

Michael White, MLIS
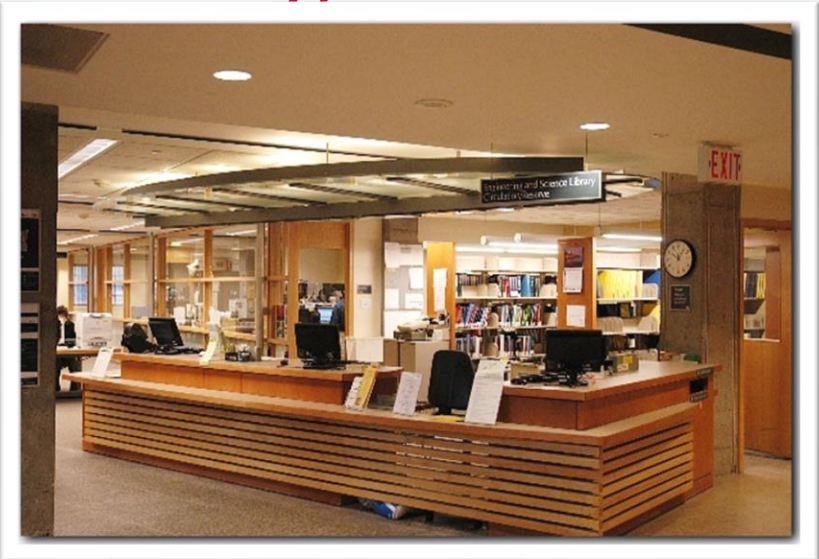
Librarian for Chemical Engineering

September 2024

Engineering and Science Library (Douglas Library)

University Avenue and Union Street.

Queen's UNIVERSITY

Library

Search Tools   Use the Library   Research Support   Teach & Learn   Help & How-To   About Us

Omni Search   Databases   Journals   Google Scholar   More

⸬ omni

| Search for books, articles, and more! | **Search** |

Which search tool should I use?   **Advanced search**

Explore our new website!

Locations & Hours

VIEW ALL →

Bracken Health Sciences Library	**Douglas Library**	**Education Library**	**Joseph S. Stauffer Library**	**Queen's Un**
🕐 8:30am - 4:30pm	🕐 8:00am - 4:30pm	🕐 8:00am - 4:30pm	🕐 8:00am - 4:30pm	🕐 8:30am
👥 Capacity is at **3.3%**	👥 Capacity is at **3.1%**	👥 Capacity is at **1.9%**	👥 Capacity is at **4%**	

Popular Links

🔖 **Book Study Room**   📘 **Research Guides**   📋 **Department Guides**   📖 **Course Reserves**   🪪 **Request Materials**   🔍 **Research Data Mana**

💬 **Ask Us**

Off-campus access
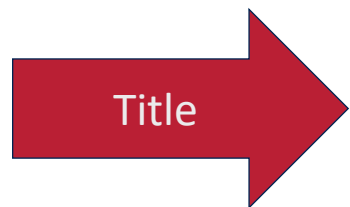
- EZ Web Proxy (Library website)

- Campus VPN (See ITS)

Off-campus access

Omni – Finding Journal Articles and Conference Papers

Title
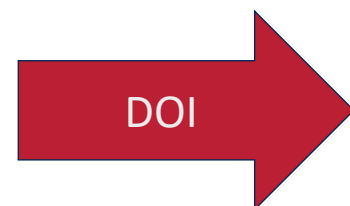

omni

bendable and stretchable microfluidic liquid metal-based filter

Search

Which search tool should I use?   Advanced search

DOI

omni

10.1109/LMWC.2018.2799382

Search

Which search tool should I use?   Advanced search

bendable and stretchable microfluidic liquid metal-based filter

Queen's + Omni Libraries

Please sign in Sign in | ✕ DISMISS

0 selected   1-3 of 3 Results ▾   ○ Personalize

Article

1 ARTICLE
Bendable and Stretchable Microfluidic Liquid Metal-Based Filter
Chen, Wei ; Li, Yida ; Li, Rongqiang ; Thean, Aaron Voon-Yew ; Guo, Yong-Xin
PISCATAWAY: IEEE
IEEE microwave and wireless components letters, 2018-03, Vol.28 (3), p.203-205
❝ .... The filter is manufactured with liquid metal injected into microfluidic channels, which are realized in material of polydimethylsiloxane using soft lithography... ❞

🔗 Available Online ›

2 NEWSLETTER ARTICLE
Microwave Research; Investigators at Singapore National University Report Findings in Microwave Research (Bendable and Stretchable Microfluidic Liquid Metal-based Filter)
Atlanta: NewsRx
Journal of Technology & Science, 2019, p.772

🔗 Available Online ›

3 NEWSLETTER ARTICLE
Investigators at Singapore National University Report Findings in Microwave Research (Bendable and Stretchable Microfluidic Liquid Metal-based Filter)
NewsRX LLC
Journal of Technology & Science, 2019, p.772

🔗 Available Online ›

http://guides.library.queensu.ca/chemicalengineering

QUEEN'S UNIVERSITY LIBRARY

Chemical Engineering

Search this Guide [Search]

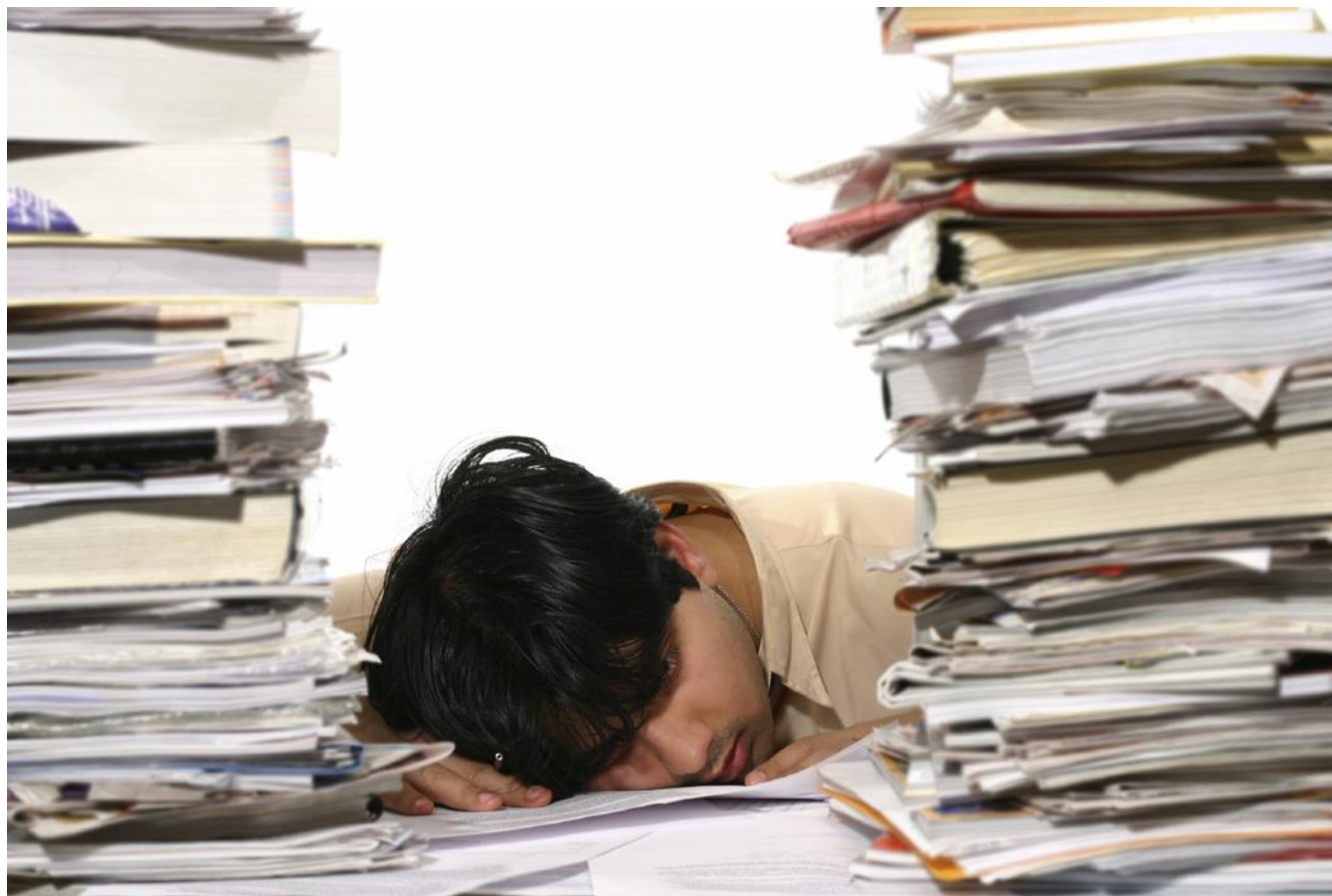**Home**

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Reference Shelf

Standards & Codes

Process Design

Health & Safety

Chemical & Materials Properties

Chemical, Energy & Metal Prices

Books & E-Books

Writing & Citing

Educational Materials

Chemical Engineering Librarian

Introduction

This guide will help you find the key information resources used by chemical engineers such as handbooks, standards, articles, patents and technical reports.

I am also available for research consultations. My contact information is in the Profile box on the right. Please feel free to contact me for further assistance or to recommend a resource for this guide.

Key Resources

■ **Compendex**
Ei Compendex is the world's most comprehensive engineering literature database. It covers journals, conference proceedings, book series, theses and standards from AIAA, ASCE, ASTM, BSI, IEEE and SAE.

■ **Google Scholar**
This search engine indexes many types of publications including journals, patents, theses, books, government publications, and technical reports.

■ **Kirk-Othmer Encyclopedia of Chemical Technology, 5th ed.**
Kirk-Other contains over one thousand in-depth articles on all aspects of chemical substances and technology, including properties, manufacturing, and uses. New and updated articles are added on an ongoing basis.

■ **Knovel**
Access to more than 5,000 engineering and applied science reference books; many titles come with interactive tools that allow you to work on engineering and scientific data and create your own tables and graphs.

■ **SciFinder**
SciFinder provides access to more than 100 years of chemistry and related science information through the combined coverage of Chemical Abstracts and MEDLINE.
more...

How many articles will you read this year?

Citation Managers

Citing and Citation Managers

Citing Sources
Citation Managers

Introduction
Benefits of Citation Managers
How Citation Managers Work
Choosing a Citation Manager
Comparison of Citation Managers
Comparison of De-duplication Functionality
Bibliography
EndNote
Mendeley
Zotero

Questions?

Introduction

Citation managers (also known as citation management software, reference managers etc.),
are available to help you **collect**, **organize**, **cite** and **share** references *and* sources (e.g. full-text articles).

> "*Many students struggle when citing sources in their research papers and have turned to **web-based citation tools** in increasing numbers*" (**Homol, 2014, p.552**).

Benefits of Citation Managers

Manually formatting citations can be very time intensive! Familiarizing yourself with a citation manager early in your academic career can help keep you organized and can save you large amounts of time by obviating the need to manually format your citations.

In addition to being a great tool for academic writing, citation managers can also help you collect, organize and store information sources for other purposes.

Citation managers allow you to:

- Manage all of your sources in one place.
- Upload and store full-text PDFs and other file types for your sources.
- Generate formatted bibliographies in desired format.
- Install plug-ins for word processors that allow you to insert citations from the reference manager as you write.
- Organize your references into meaningful collection folders that may serve a variety of purposes.
- Share collections with colleagues to collaborate in private or open groups.
- Facilitate the removal of duplicate citations.

Research Databases

Google Scholar Library Links
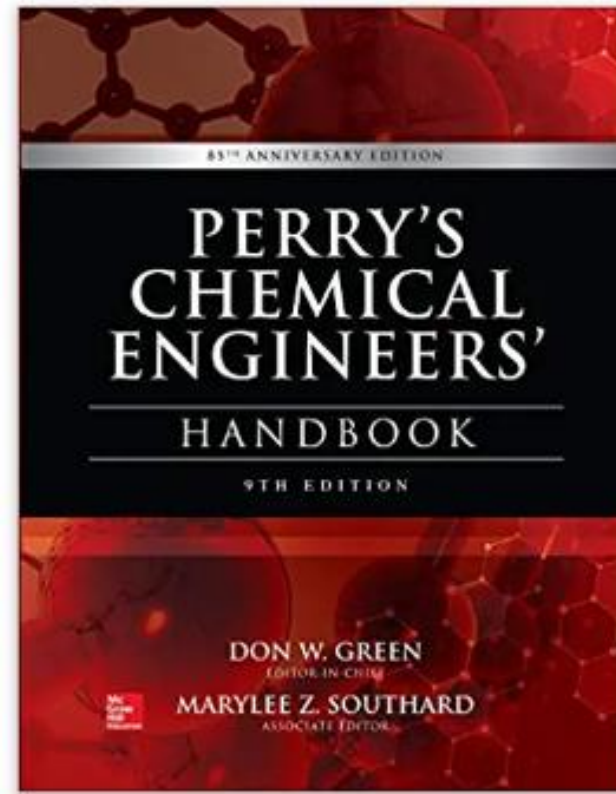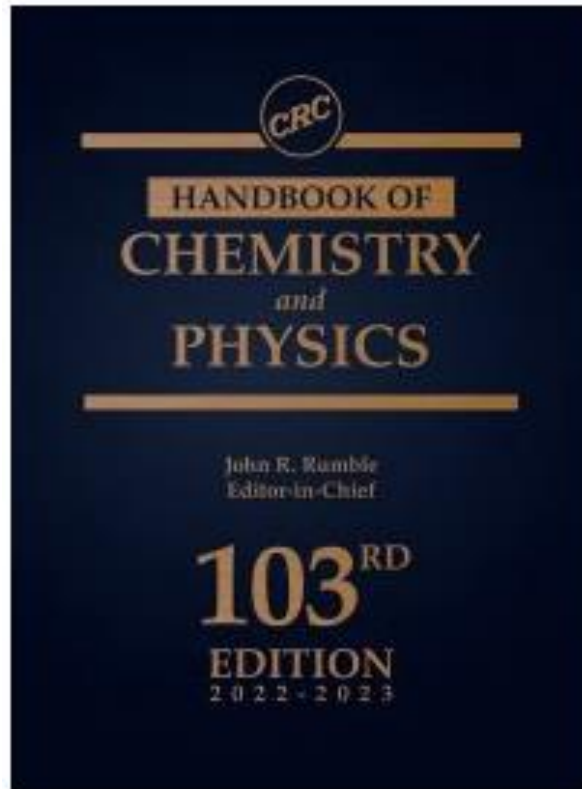
Journals

Open Access Journals and Other Resources

- Journals

  - ACS Central Science

  - ACS Materials Letters

  - APL Bioengineering

  - Nature Scientific Reports

- Patents

- Technical reports

- Theses and dissertations

- Data sets

Books and E-books

QUL has thousands of science and engineering reference books.

Theses and Dissertations

- Queen's theses

  - 2007+ in QSpace

  - Pre-2007+ Stauffer Library and Queen's Archives

- Canadian theses

  - Theses Canada, 1990s+

- International

  - ProQuest Dissertations and Theses Global

    - 1865+; 4 million records, 2 million full-text

Interlibrary Loan and Document Delivery

- Free – no charge for borrowing books or obtaining copies of articles.

- Fast – Most article requests are filled in 24 hours or less.

- Convenient – Articles are delivered via e-mail; Books can be picked up at and returned to Stauffer Library.

- Omni – For print and electronic materials* available from an Omni partner library (18 Ontario libraries) and 500+ libraries worldwide.

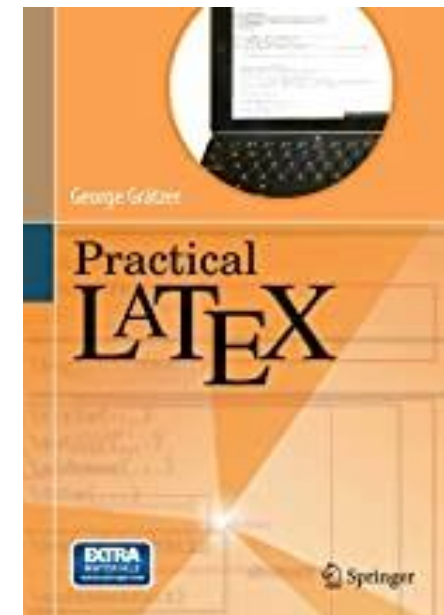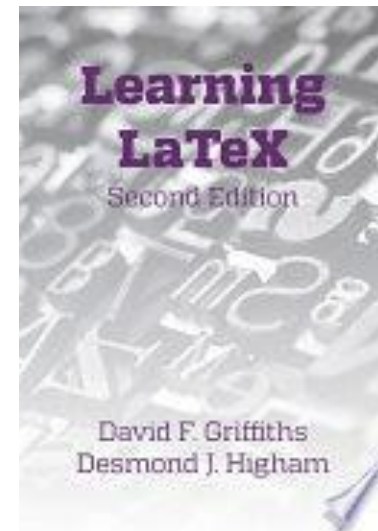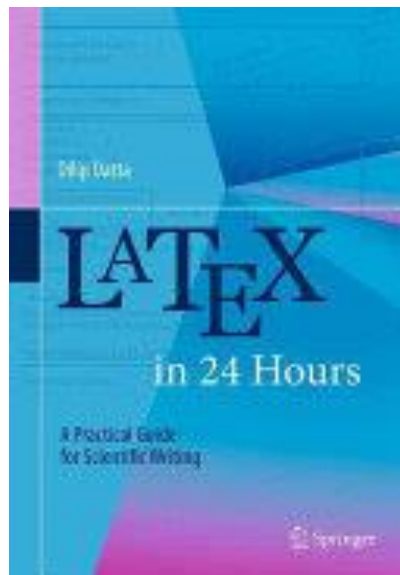- *In general, e-books cannot be accessed via ILL. However, it is possible to request a few individual chapters.

Guides to Writing and Presenting
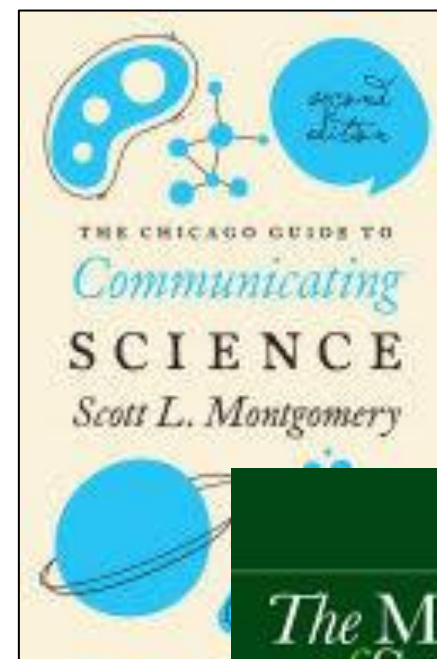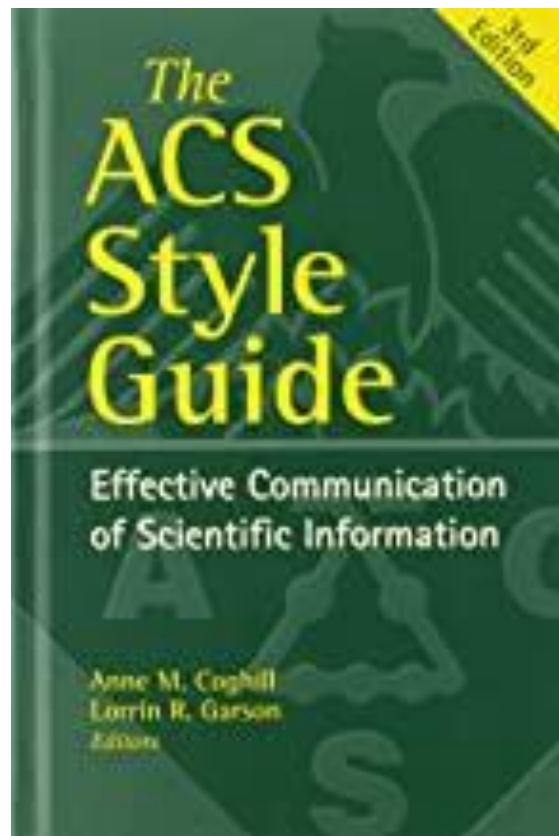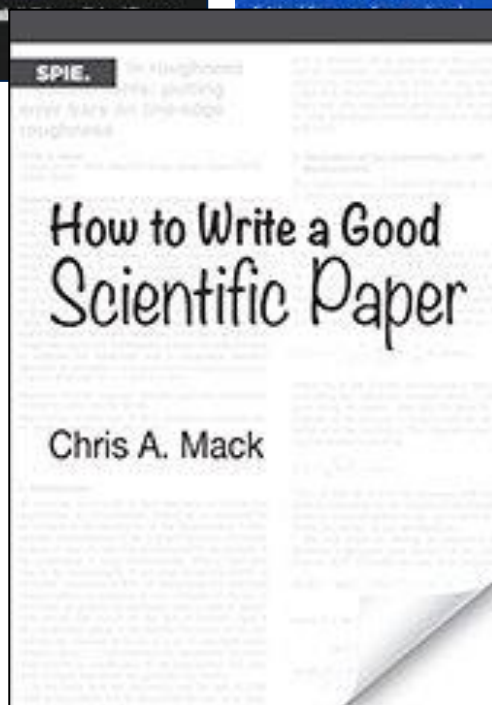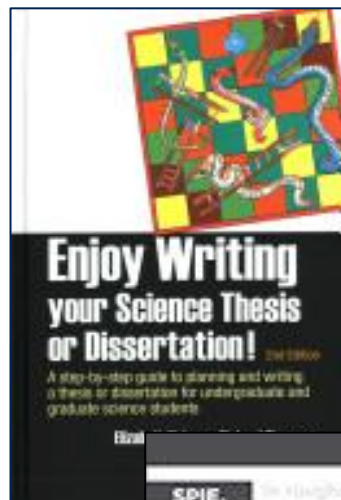
LaTeX Resouces

Sharing Your Research

- Discover high impact journals in your field

  - Journal Citation Reports (JCR)

  - SCImago Journal Rankings

- Track the impact of your research

  - Web of Science citation alerts

  - Citation reports

  - Publisher provided article level metrics (see IOP)

- Publish your thesis on QSpace

1911 Solvay Conference on Physics (first)
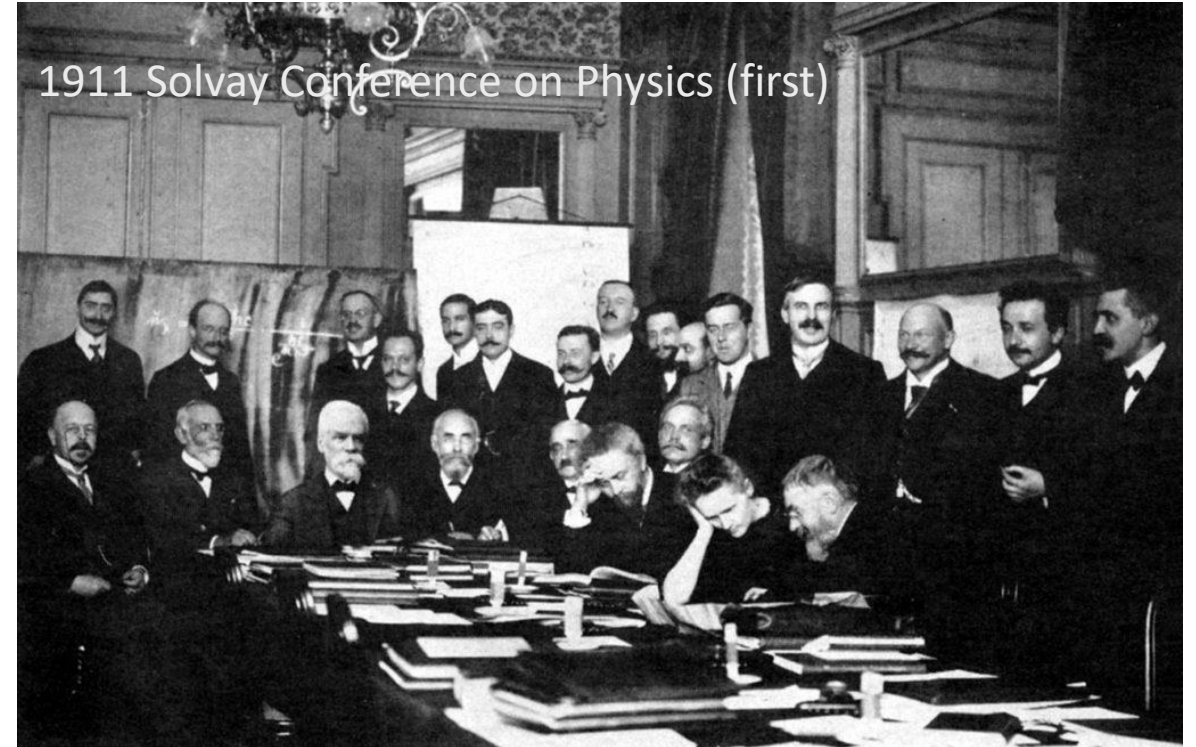
Sharing and Archiving Data Sets

- Required by some journals

- Required by some research funding agencies

- Data archives and repositories

  - Borealis (formerly Scholars Portal Dataverse)

  - Federated Research Data Repository (FRDR)

  - Figshare

  - Mendeley Data

- DOAR – Directory of Open Access Repositories

  - 2,000+ research data repositories

Beware Unscrupulous Publishers and Pirate Websites

- Predatory Open Access publishers

- Predatory conferences

- Unsolicited offers to publish your thesis

- Promises to waive fees

- Invitations to join the editorial boards of obscure journals

- Journals or websites using your name, research, etc. without

- Awards requiring payments

Nature 576, 210-212 (2019), DOI 10.1038/d41586-019-03759-y

Publishing Resources

STM Advancing trusted research
STM Integrity Hub
A New, Unified Approach to Safeguard Research Integrity

C|O|P|E
Promoting integrity in research and its publication

Think
Are you submitting your research to a trusted journal or publisher? Is it the right journal or book for your work?

Check
Use our check list to assess the journal or publisher.

Submit
Only if you can answer 'yes' to the questions on our check list.

AI Tools and Large Language Models...

Donaldson J. & Scheffler A. (2023). The Gruffalo (Special). Macmillan Children's Books.

AI makes up references!

But it's getting better, right?....

Well...

Protect your NetID and password!

Don't share it with <u>anyone</u>
Beware phishing e-mails

Contact Information

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Engineering and Science Library (Douglas)

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