

# Library Resources and Services for Graduate Students

Michael White, MLIS

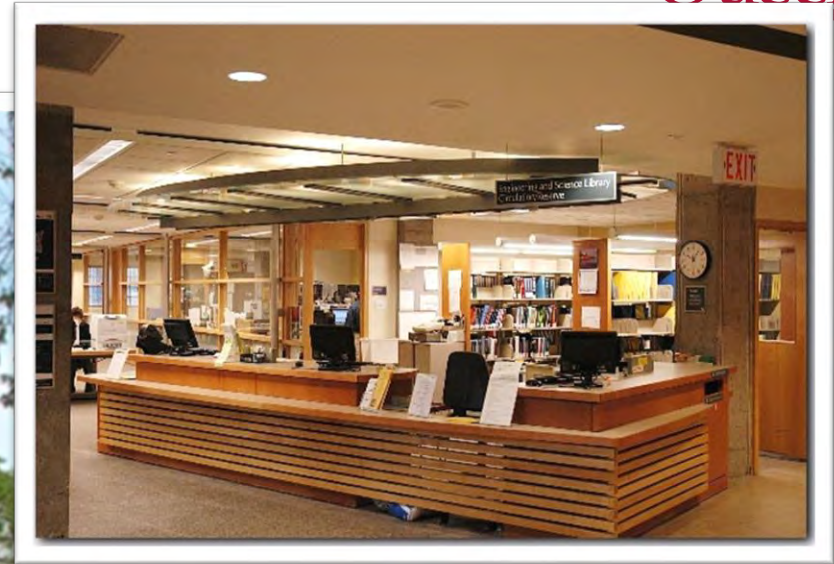
Librarian for Chemical Engineering

September 2023

# Engineering and Science Library (Douglas Library)



University Avenue and Union Street.



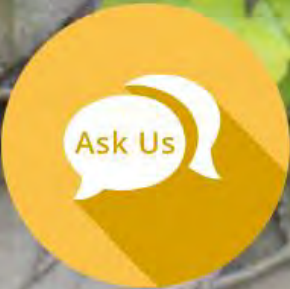




Search anything

Search

Advanced Search | Journals | Databases | Help



Today's Hours

Stauffer Library	8:00am - 8:00pm
Douglas Library	8:30am - 4:30pm
Bracken Health Sciences Library	8:30am - 8:00pm
Education Library	Closed
Jordan Special Collections	8:30am - 4:30pm
Lederman Law Library	8:30am - 4:30pm
University Archives	8:30am - 4:30pm
Watson Hall LINQ	8:00am - 4:30pm

All Locations and Hours

Quick Links

- Research by Subject
- Course Reserves
- Getting Started
- Citing & Citation Management
- Study Rooms
- Adaptive Technology Seats
- Borrowing
- Request Materials
- Print, Scan, Copy

Ask Us Right & Fair Dealing



## Off-campus access

- EZ Web Proxy
  - Library website
- Campus VPN
  - See ITS website



# Off-campus access

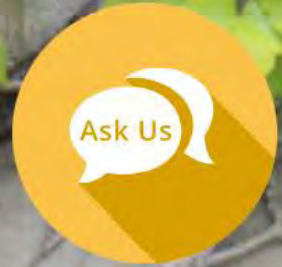


- VPN

omni

Search

[Advanced Search](#) | [Journals](#) | [Databases](#) | [Help](#)

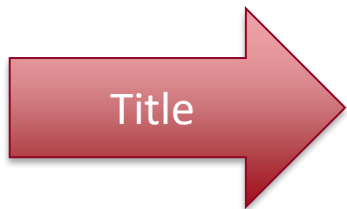


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[All Locations and Hours](#)

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  - [Ask Us](#)
  - [Right & Fair Dealing](#)

# Omni – Finding Journal Articles and Conference Papers



The Omni search interface. At the top left is the "omni" logo. Below it is a search bar containing the text "Bendable and Stretchable Microfluidic Liquid Metal-Based Filter". To the right of the search bar is a dark blue "Search" button. Below the search bar are navigation links: "Advanced Search | Journals | Databases | Help".









The Omni search interface. At the top left is the "omni" logo. Below it is a search bar containing the text "10.1109/LMWC.2018.2799382". To the right of the search bar is a dark blue "Search" button. Below the search bar are navigation links: "Advanced Search | Journals | Databases | Help".


NEW SEARCH JOURNAL SEARCH BROWSE DATABASE SEARCH CITATION FINDER INTERLIBRARY LOAN ...

10.1109/LMWC.2018.2799382 X Queen's + Omni Libraries ADVANCED SEARCH

0 selected 1 Results Personalize

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, Vol.28 (3), p.203-205  
[Available Online](#)

 **Newspapers search**

These search results do not include newspapers. View results from our entire collection of newspapers, or search specifically within Featured newspapers.

Results Per Page  25 50





## Chemical Engineering

### Home

Find Articles

Find Patents

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-Othmer 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



EndNote 20

**EndNote** Web  
*provided by ISI Web of Knowledge®*

**zotero**  
Goodbye 3x5 cards, hello Zotero.

 **MENDELEY**



# 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](#)
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## 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.

## Questions?





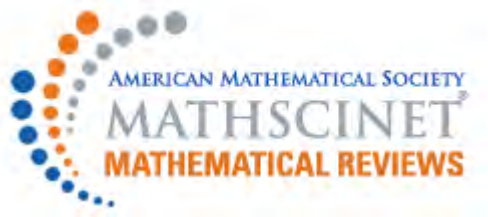
# Research Databases



**Web of Science™**



**Scopus**





# Google Scholar Library Links



Google Scholar

Settings

- Search results
- Languages
- Library links
- Account
- Button

Show library access links for (choose up to five libraries):

e.g., *Harvard*

Queen's University - get it!

Canadian National Catalogue - Find in AMICUS

Online access to library subscriptions is usually restricted to patrons of that library. You may need to login with your library password, use a campus computer, or configure your browser to use a library proxy. Please visit your library's website or ask a local librarian for assistance.

Save Cancel

To retain settings, you must turn on cookies



Journals



WILEY



ScienceDirect

SPRINGER  
NATURE



ACS  
Chemistry for Life<sup>®</sup>



ROYAL SOCIETY  
OF CHEMISTRY





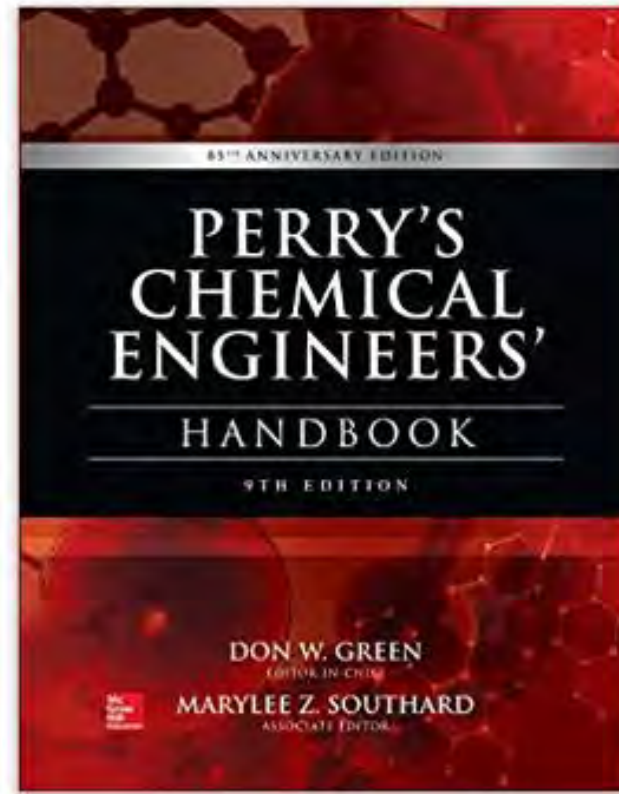
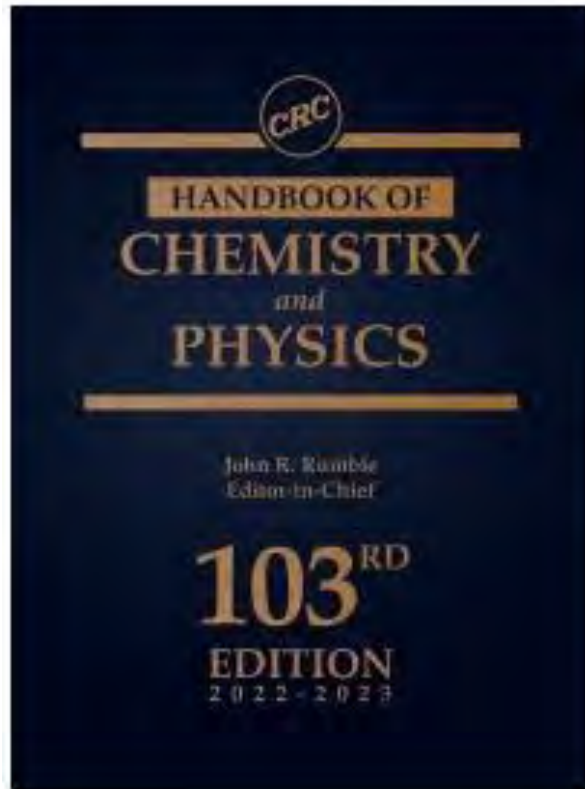
## Open Access Journals and Other Resources



- Journals
  - ACS Central Science
  - ACS Materials Letters
  - APL Bioengineering
  - Nature Scientific Reports
- Patents
- Technical reports
- Theses and dissertations
- Data sets



# Books and E-books



# Knovel<sup>®</sup>



**ACCESS** Engineering



**ACCESS** Science  
The Science Authority

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



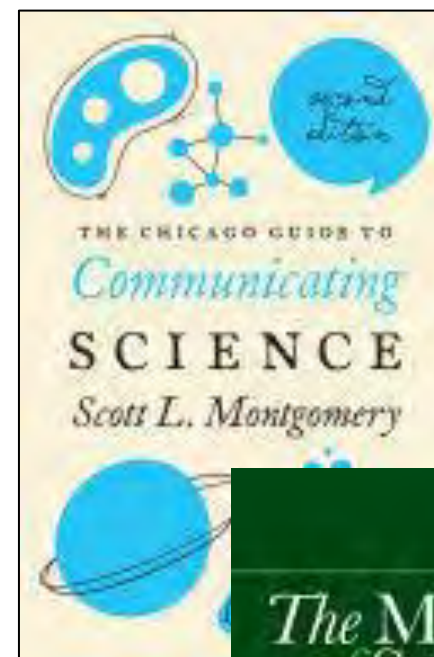
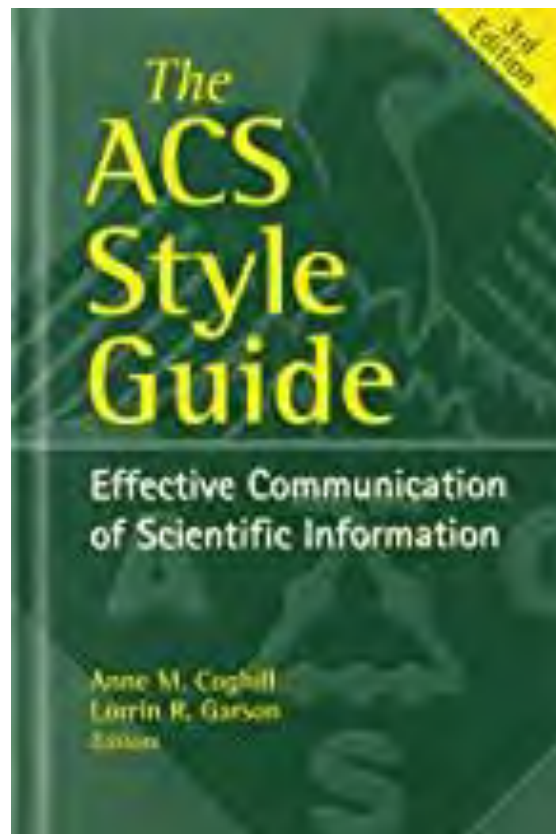
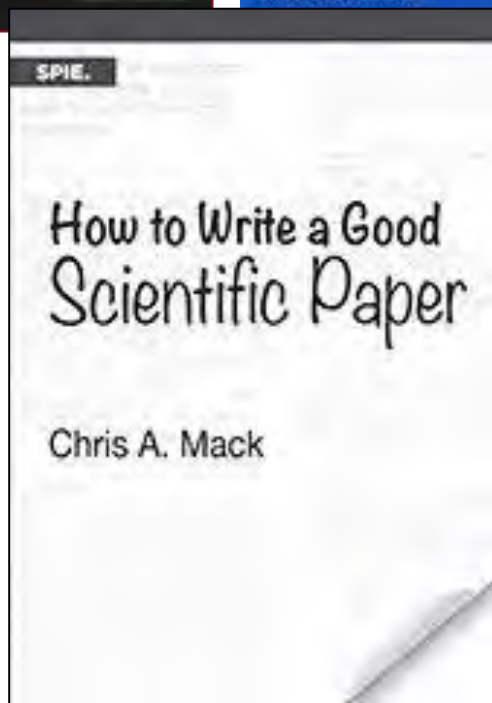
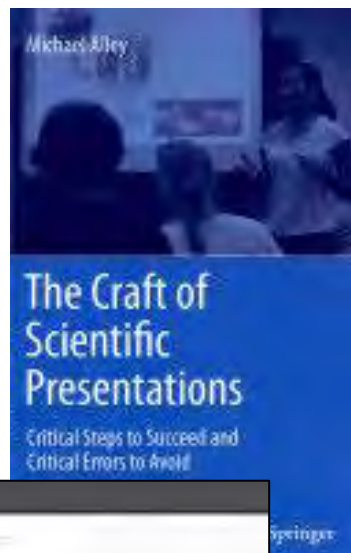
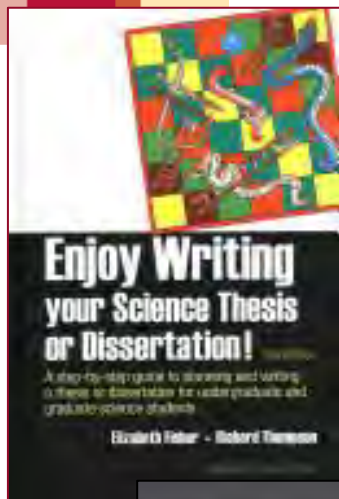
## Interlibrary Loan and Document Delivery



- 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 materials available from an Omni partner library (18 Ontario libraries).
- RACER – For materials not available in Omni.




# Guides to Writing and Presenting

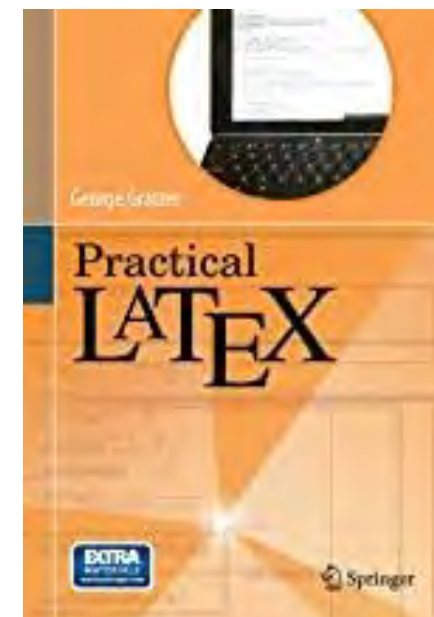
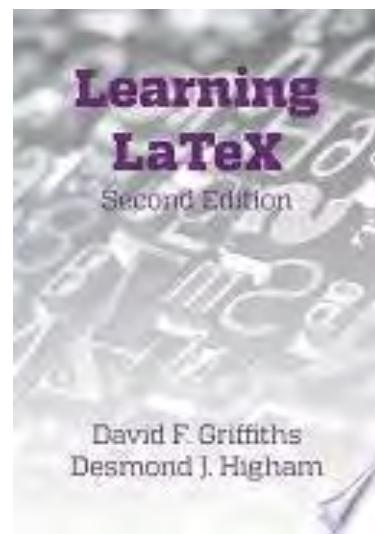
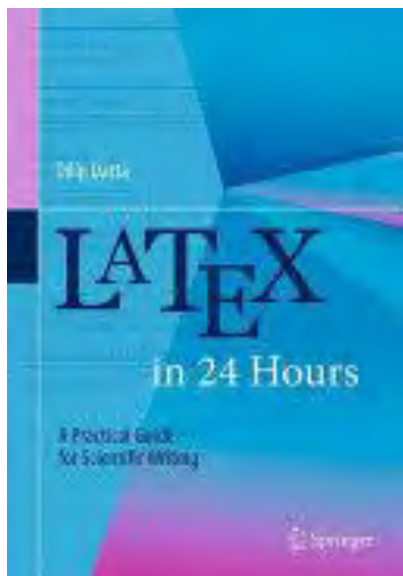


# LaTeX Resources



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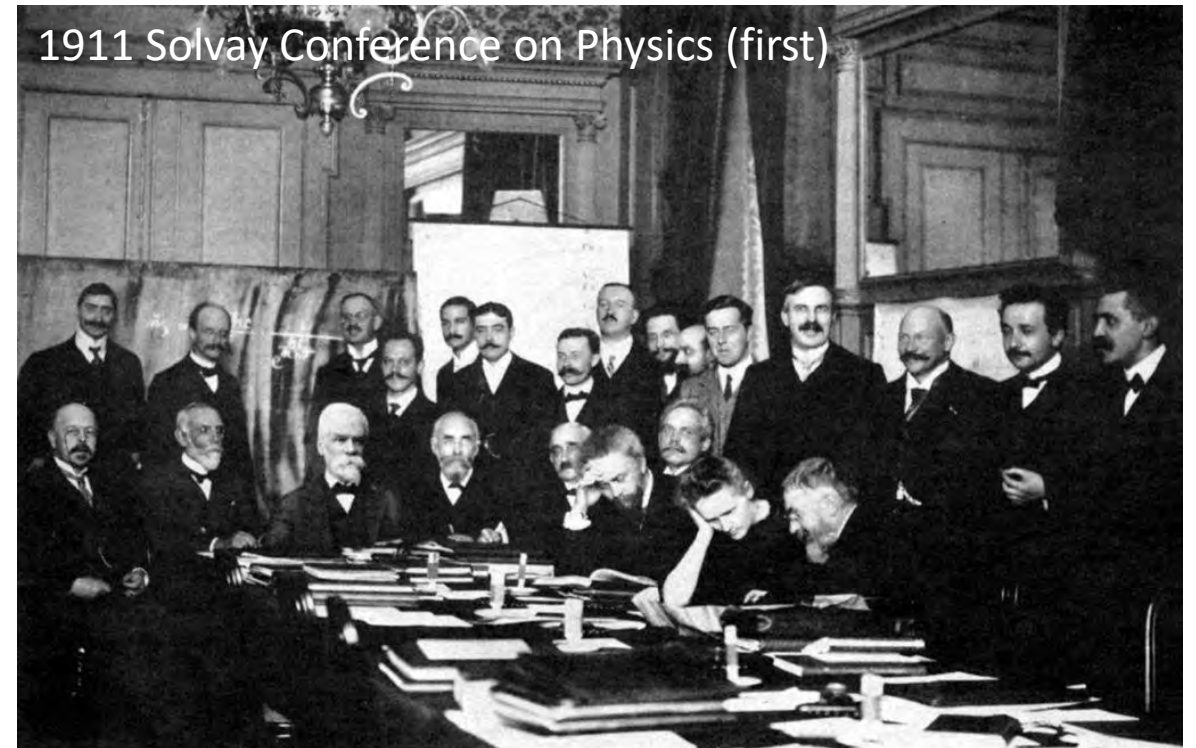
$$X_1 = \begin{pmatrix} \alpha + \beta \\ \alpha \\ \beta \end{pmatrix}$$





## Share 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



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## 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
- Invitations to join the editorial boards of obscure journals
- Journals or websites using your name, research, etc. without your permission
- Awards requiring payments



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



# AI Tools and Large Language Models...



AI makes up references!

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

Protect your NetID and password!

Don't share it with anyone

Beware phishing e-mails



## Contact Information

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Engineering and Science Library (Douglas)

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Phone: 613-453-2609

