Library Resources and Services for Graduate Students

Michael White, MLIS
Librarian for Chemical Engineering
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Engineering and Science Library (Douglas Library)

University Avenue and Union Street.
Off-campus access

- EZ Web Proxy
  - Library website
- Campus VPN
  - See ITS website
Off-campus access

• VPN
Omni – Finding Journal Articles and Conference Papers

Title

Bendable and Stretchable Microfluidic Liquid Metal-Based Filter

DOI

10.1109/LMWC.2018.2799382
Article

Title: Bendable and Stretchable Microfluidic Liquid Metal-Based Filter
Authors: Chen, Wei; Li, Yida; Li, Hongping; Thean, Aaron Yoon-Yew; Guo, Yongxin
Publication: IEEE Piscataway: IEEE
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.
Chemical Engineering

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 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

Zotero
Goodbye 3x5 cards, hello Zotero.

Mendeley
Citing and Citation Managers

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

- CAS SciFinder-n
- Engineering Village
- Web of Science™
- Scopus
- arXiv
- LENS.ORG
- Google Scholar

QUEEN’S UNIVERSITY LIBRARY
Google Scholar Library Links

Settings

Search results
Languages
Library links
Account
Button

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

- 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.

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Journals

WILEY

ScienceDirect

SPRINGER

NATURE

ACS

Chemistry for Life

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

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
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

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
- 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!

Protect your NetID and password!

Don’t share it with anyone
Beware phishing e-mails
Contact Information

Michael White
Librarian for Chemical Engineering
Engineering and Science Library (Douglas)

Email: michael.white@queensu.ca
Phone: 613-453-2609