Search Smart & Stay Organized

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Today

- Highlights of library website
- Organizing research: Zotero
- Finding the latest research
- Citing sources
Highlights of library website
Engineering & Computer Science Subject Guide

- Links to databases, books, ebooks, data, standards, technical reports, etc.
- Handbooks, encyclopedias, and dictionaries
- Course and project guides
- Writing and citation guides (IEEE, Zotero)
- Librarian contact information

From library website:
Help & HowTo-> Subject & course guides
Engineering & Computer Science
https://www.concordia.ca/library/guides/encs.html
Organizing your research

zotero
What is Zotero?

Google Scholar search results

article from the Compendex DB

conference paper from IEEE Xplore DB

book from library catalogue
Zotero gives you this

References


Activity 1: Zotero Setup

1) Register https://www.zotero.org

2) Download desktop application: https://www.zotero.org/download/

3) Install the Zotero Connector: https://www.zotero.org/download/connectors

Help: lib-citation@concordia.ca
https://www.zotero.org/support/
Finding the latest research
Where is the most up-to-date research?

Types of Information:
- Books
- Academic journals
- Conference papers/proceedings
- Technical Reports
- Dissertations/Theses
- Preprints/eprints
- Standards
- Patent and trademarks
- Data/Statistics
Where should you search?

- Engineering Village (database)
- Library catalogue
- IEEE Xplore (database)
- Google Scholar
- Open access Repositories
Major Library Databases

- **Compendex** (Engineering Village): General Engineering
- **INSPEC** (Engineering Village): Electrical, computer & mechanical
- **IEEE Xplore**: Electrical & computer
- **Aerospace and High Technology**: Aerospace
- **SciFinder**: Chemical
- **Web of Science**: Citation counts Multidisciplinary
- **Scopus**: Citation counts Multidisciplinary
Open Access Content

- arXiv (Cornell University preprint archive)
- OSF Preprints (pre-print repositories for many disciplines)
- Federal Science Library (Canadian and other documents or data)
- Unpaywall (browser extension to find open access content)
Standards

- Levels of performance, quality of goods and services, design requirements, conditions and procedures for operations
- Usually published by a recognized standards organization (e.g. Canadian Standards Association, IEEE)
Finding Standards

- Webster Library, 2nd floor
- Use within library only
- Canadian, American, and international standards (CSA, ASTM, ANSI, ISO, ASCE, etc.)
- ENCS Subject Guide: Standards, patents & trademarks
Cost Information

- The cost of materials, labour, equipment for construction projects
- For engineers, architects, contractors, facility owners, managers...
- ENCS Subject Guide: Search for Cost Information
Patents

- Google Patents
- Canadian Patent Database
- US Patent and Trademark Office
Starting with a research question

How does electronic waste recycling affect citizens living in Guiyu, China?
Breaking down the research question

Electronic waste in China

- industry & market
  - consumer buying habits
  - product lifecycle
  - employment
- environment
  - neighboring cities
  - citizens
  - health

- impact
- electronic waste
  - disposal
  - recycling
  - hazardous waste
  - waste management facilities
- China
  - Asia
    - manufacturing centres
    - policies
    - manufacturing regulations
  - Guiyu
  - Tianjin
Identify key concepts

How does electronic waste recycling affect citizens living in Guiyu, China?
Need for synonyms and related terms
Need for synonyms and related terms
Creating a search strategy

How does electronic waste recycling affect citizens living in Guiyu, China?

Advanced

Concept 1 OR Synonym

AND Concept 2 OR Synonym

AND Concept 3 OR Synonym
Creating a search strategy

How does electronic waste recycling affect citizens living in Guiyu, China?
Creating a search strategy

How does electronic waste recycling affect citizens living in Guiyu, China?
Creating a search strategy

How does electronic waste recycling affect citizens living in Guiyu, China?
I found an article I want in (e.g.) Compendex. How do I get access to the full text?

1. Look for **Full text** or **PDF** button, if one exists.
2. Look for **Find it @ Concordia** button
3. Request a copy through **Interlibrary Loan (COLOMBO)**
4. **Ask a Librarian** if you need help!
   Li, Bin (University of Jiaxing, Jiaxing, Zhejiang, 314001, China); Du, Huazheng; Bao, Jing; Higano, Yoshiro; Li, Yang
   Database: Compendex
   Document type: Conference article (CA)
   Detailed: Show preview ✗ Cited by in Scopus (2) Full text ➤ Find Full Text

2. Heavy metal contamination from electronic waste recycling at Guiyu, southeastern China
   Guo, Yan (School of Environmental Science and Public Health, Wenzhou Medical College, Wenzhou 325035, China); Huang, Changjiang; Zhang, Hong; Dong, Qiaoxiang
   Source: Journal of Environmental Quality, v 38, n 4, p 1617-1626, July-August 2009
   Database: Compendex
   Document type: Journal article (JA)
   Detailed: Show preview ✗ Cited by in Scopus (52) Full text ➤ Find Full Text

3. E-waste environmental contamination and public health effects in Guiyu, southeast China
   Ban, Hao (Analytic Cytology Laboratory and the Key Immunopathology Laboratory of Guangdong Province, Shantou University Medical College, Guangdong, China); Xu, Xijin; Wu, Kusheng; Sun, Di; Zhang, Jian; Alabi, Okunola Aderene; Huo, Xia
   Database: Compendex
   Document type: Book chapter (CH)
   Detailed: Show preview ✗ Find Full Text

4. Assessment of cadmium exposure for neonates in Guiyu, an electronic waste pollution site of China
   Li, Yan (Analytical Cytology Laboratory, Key Immunopathology Laboratory of Guangdong Province, Shantou University Medical College, Shantou 515041, China); Hua, Xia; Liu, Junxiao; Peng, Lin; Li, Weiqiu; Xu, Xijin
   Source: Environmental Monitoring and Assessment, v 177, n 1-4, p 343-351, June 2011
   Database: Compendex
   Document type: Journal article (JA)
   Detailed: Show preview ✗ Cited by in Scopus (34) Full text ➤ Find Full Text
E-waste environmental contamination and public health effects in Guiyu, southeast China

Check the library catalogue:
Search for the item in the library catalogue (by title E-Waste: Management, Types and Challenges)

Interlibrary Loan:
Get the publication through another library using Interlibrary Loan (COLOMBO)

More options:
Get the publication from Concordia's collection through Inter-Campus & Article Delivery
Get the publication through another library using Interlibrary Loan
Ask a Librarian
Search the library catalogue
What is "Find it! @ Concordia"?
Citing sources
IEEE Citation Style

In this book about decision trees, the authors say all kinds of great things [1]. I cited them and now I would like to cite something I read in this journal [2].

References


[2] The second reference appears here because it was the second item cited in the text above.
• Keep track of sources
• Save time in creating in-text citations and references
• Works in both MS Office and Google Doc
zotero

References


Activity 2: Find and Cite

1) Find 2 sources that are relevant to your topic

2) Add the 2 sources to your Zotero account

3) Create citations and a bibliography for the 2 sources
Getting help

- In person at the Ask Us! desk (Webster) or Reference desk (Vanier)
- Subject guide
- Online chat

Zotero

E-mail us: lib-citation@concordia.ca