The Lawrence Tech Library

FINDING RESOURCES
Presented by Gretchen Weiner, Librarian
Phone: 248.204.3000  Email: refdesk@ltu.edu
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1. Blackboard
   Lawrence Technological University
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   To review Blackboard Policies & Procedures, click here

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   Password: ********
   Forgot Your Password?
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2. BannerWeb
   User Login
   Email   BannerWeb   Library Services
Agenda:

- Review research preparation
- Scholarly vs general interest publications
- Research paths
  - TechCat
  - Library Guides
- Citing sources
- Locate 2 relevant sources
Clarify: What is a...?

- Citation
- Abstract
- Periodical
- Peer-reviewed journal
Set yourself up for…

- SUCCESS
Before You Begin

- Select a topic
- Find background or general knowledge on topic
- Why is the topic of interest?
- Do you have a thesis statement or a question you are trying to answer?
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Scholarly Journal</th>
<th>Trade/Professional</th>
<th>Popular Magazine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audience</td>
<td>Experts in the field, other researchers, students</td>
<td>Professionals, practitioners in a field</td>
<td>General public</td>
</tr>
<tr>
<td>Authors</td>
<td>Written by experts in the field, usually active researchers&lt;br&gt;Articles are signed</td>
<td>Practitioners, journalists, researchers, Articles may or may not be signed</td>
<td>Journalists, freelance or employed by magazine&lt;br&gt;Articles may or may not be signed</td>
</tr>
<tr>
<td>Focus</td>
<td>Research in a particular field; add to body of knowledge in that field&lt;br&gt;Technical, lengthy, in depth, methods &amp; results in detail</td>
<td>Best practices, Application, opinions, trends, news in a specific field&lt;br&gt;Summary or fairly brief interpretation of research</td>
<td>General interest topics, trends, current events/news&lt;br&gt;Summary, brief, limited detail</td>
</tr>
<tr>
<td>Advertising</td>
<td>None or very few ads</td>
<td>Products or services targeted to audience</td>
<td>Many ads, glossy, variety of products</td>
</tr>
<tr>
<td>Accountability</td>
<td>Peer reviewed, well documented, bibliography</td>
<td>May mention source – not always complete cites or bibliographies</td>
<td>Rarely cite references&lt;br&gt;No bibliography</td>
</tr>
</tbody>
</table>
Peer-reviewed or General Interest?
Possible search terms

- Wearable technology
- Wearable computers
- Smart clothing
- Wearable biosensors
- Wearable nano
Apple and Samsung, for example, are betting on the wrist: Google, the face. A slew of tech companies believe clothing will simply become electronic. Yet there's a whole new segment of start-ups that believe all of the above are destined for failure and that we humans will become the actual computers, or at least the place where the technology will reside.

Their enthusiasm is on an emerging class of wearable computers that adhere to the skin like temporary tattoos, or attach to the body like an old-fashioned Band-Aid.

Many of these technologies don't look anything like today's gadgets. Instead, they are stretchable, bendable and incredibly thin. They can also be given unique designs, to stand out like a bold tattoo, or to blend in to the color of your skin.

While these wearables raise novel privacy concerns, their advocates say there are numerous benefits. Attachable computers will be less expensive to make, provide greater accuracy because sensors will be closer to a person's body (or even inside us) and offer the most utility, as something people won't forget to wear.

MC10, a company based in Cambridge, Mass., is testing attachable computers that look like small
MC10 recently teamed up with John A. Rogers, a professor of materials science and engineering at the University of Illinois at Urbana-Champaign, who has been working for nearly a decade to perfect flexible devices that can be worn on the skin or implanted internally.

The health applications are enormous. Over the past year, Mr. Rogers and his team of scientists have been working with patients with Parkinson's disease to monitor their motions, dermatologists to treat skin diseases, and beauty companies like L'Oral to develop digital stickers that track skin hydration.

Wearable-computer advocates are also giddy about the infinite style possibilities. "It turns out that the mechanics of these devices are 100 percent compatible with kids' standard temporary tattoos," Mr. Rogers said. Meaning, they can be made to look like tattoos, with each segment containing different sensors.

Anke Loh, the chairwoman of the fashion department at the School of the Art Institute of Chicago, has been experimenting with making the attachable computers look like body art. "You see these patches and you really want to put them on your skin, even without knowing what the function is," Ms. Loh said, noting that most wearable computers today are clunky and ugly. "There's a lot of potential to combine fashion and technology."
Starting Points

- TechCat, Database, Web
  - Depends on your topic
  - Requirements of assignment
  - Purpose of research
  - Type of resource(s) needed
TechCat, the library catalogue

- Overview of topic information
- Print & electronic books
- Journal & magazine articles
  - Peer-reviewed, general audience
- Visual materials
Possible Sources

- **Traditional news source**
  - Newspaper
  - TV report
  - Radio report

- **Web news source**
  - Google
  - Yahoo
  - Twitter

- Magazine, Journal website

- Other…
More Brainstorming

- Wearable technology
- Wearable computers
- Smart clothing
- Wearable biosensors
- Wearable nano
- Materials
- Data collection
Results 1-10 of about 209,161 (1.43 seconds)
Add terms
Let’s look at #6 in the results list

Sensors and wearable technologies in sport: technologies, trends and approaches for implementation
by Daniel A James; Nicola Petrone

Language: English
Publisher: Singapore: Springer, 2016.
Database: WorldCat
Libraries that own this item: Lawrence Technological University
Sensors and wearable technologies in sport: technologies, trends and approaches for implementation

Author: Daniel A James, Nicola Petrone
Publisher: Singapore: Springer, 2016.
Series: SpringerBriefs in Applied Sciences and Technology
Database: WorldCat
Summary: This book explores emerging trends in wearable sensors for sport and highlights the developments taking place. Drawing on the literature both the approaches and principals for the use of sensors in sport are outlined, and together with references to key works the reader finds this useful in considering such endeavours. The development of wearable technologies is fast paced and accompanying that is exponential.
Save “citation”

Copy a citation

- APA (6th ed.)
- Chicago (Author-Date, 15th ed.)
- Harvard (18th ed.)
- MLA (7th ed.)
- Turabian (6th ed.)

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Note: Citations are based on reference standards. However, formatting rules can vary widely between applications and fields of interest or study. The specific requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.

Harvard (18th ed.)

MLA (7th ed.)

List sorted for scholarly articles

Check the box ...
Library Guides

- Research tips
- Database suggestions by subject
- Citing your sources information
Start With a Database

What is it and how do I find it?

- Periodical literature includes newspaper, magazine or journal articles
- Click on Library Guides (library home page)
  - Select a category
  - Choose a database
Library Guides

LTU Library Guides will help you find the resources you need.

We hope you enjoy using Library Guides!

Showing 27 Subjects

Display: Alphabetically

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Humanities & Literature

English

by Adrienne Aluzzo - Last Updated Dec 12, 2013

Humanities & Literature

by Gary Cappelli, Gretchen Weiner - Last Updated
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- Information Technology

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Citation Tools

Article

Accurate personal ultraviolet dose estimation with multiple wearable sensors
Jinyang Li, Yongpan Liu, Hehe Li, Rui Hua, Chun Jason Xue, Hyung Gyu Lee, Huazhong Yang
2016 IEEE 13th International Conference on Wearable and Implantable Body Sensor Networks (BSN)
Year: 2016
Pages: 347 - 352, DOI: 10.1109/BSN.2016.7516286
IEEE Conference Publications

Abstract (html) (PDF) (674 Kb)
Generating citations in MLA, APA & Chicago formats for your bibliography

Save hours by making a Works Cited page automatically!

[Options: MLA7, MLA8, APA, Chicago, More]

[Fields: Website, Book, Video/film, Journal, Database, All 59 options]

Example: Accurate personal ultraviolet dose estimation with multiple wearable sensors

Cite It
Accurate personal ultraviolet dose estimation with multiple wearable sensors
Jinyang Li - Yongpan Liu - Hehe Li - Rui Hua - Chun Jason Xu - Hyung Gyu Lee - Huazhong Yang - 2016 IEEE 13th International Conference on Wearable and Implantable Body Sensor Networks (BSN) - 2016

Wearable sensors for realtime accurate hip angle estimation
Cite a Journal Article in MLA7

Help
Just fill out what you know. We'll format it correctly.

1. Select a tab to choose your format, and edit what you can.

In print Online
Online database

Article title: Accurate personal ultraviolet dos

Contributors:
Author: Jinyang Li
First: Jin
MI / Middle: Yang
Last / corp.: Lee
Suffix: Gyu

Author: Yongpan Liu
First: Yong
MI / Middle: Pan
Last / corp.: Liu
Suffix: 

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