

Library services & Search and find scientific publications

Mikael Rosell

[Liu.se/en/Library](https://liu.se/en/Library)

Liunet student > Use library Resources

biblioteket@liu.se

Agenda

- Introduction to library services
- Scientific and scholarly publications
- Searching and finding scientific publications
- Evaluate your search results
- AI generated tools

Linköpings University

One university - four campuses

Campus Valla



Campus Norrköping



Campus US



Campus Lidingö



Your LiU-card is your library
card & key card

Borrowing books

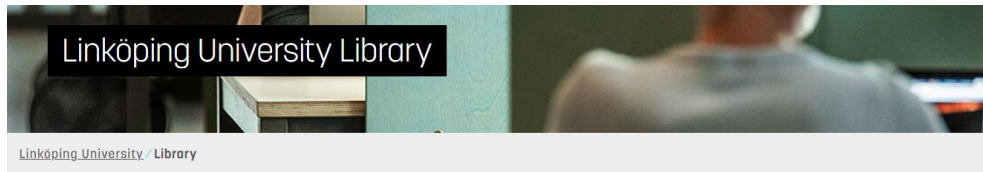
- Loan period: 3 weeks
- Books with reservations: 1 week
- **REFKURS**: 1 day
- Collect books in the book stacks
- ...or place a reservation – pick it up at the hold shelf
- Max: 50 books



The digital library

Liunet Student
liu.se/en/library

- Unisearch (search (almost) everything the library has access to)
- Access 24/7 to digital materials (e.g. articles & books) with LiU-ID & password, on- and off-campus



Welcome!

Search articles, books and more

Search articles, books and journals (in UniSearch)












Customize search

Search for...	Search by...	Limit to...
<input checked="" type="checkbox"/> Articles, books and journals	<input checked="" type="checkbox"/> Keyword	<input type="checkbox"/> Peer review
<input type="checkbox"/> Books in Swedish libraries	<input type="checkbox"/> Title	<input type="checkbox"/> Full text documents
<input type="checkbox"/> Databases	<input type="checkbox"/> Author	<input type="checkbox"/> Library catalog
<input type="checkbox"/> Journals		

Start / Liunet student

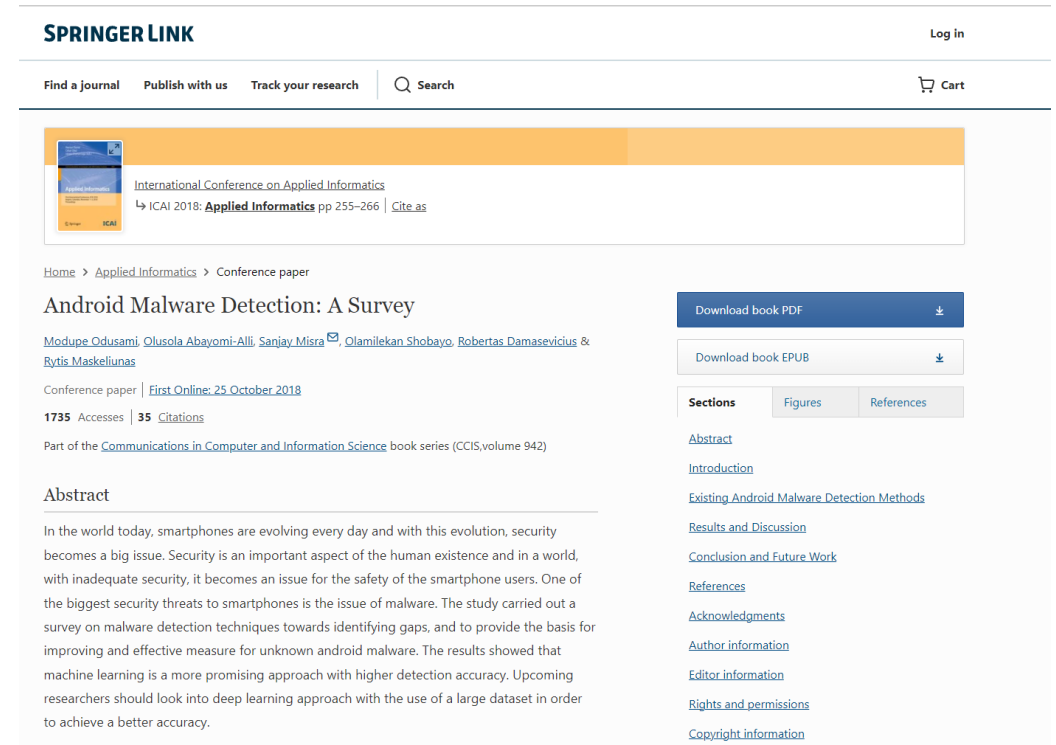
New student? Click to find information that is useful to you. Also remember to scroll down this page for news and activities in the calendar. →

I want to

FIND MY WAY ON CAMPUS 	BOOK PREMISES AND SPACES 	SEE MY TIMETABLE 	RIDE WITH THE CAMPUS BUS 
USE LIBRARY RESOURCES 	GET HELP 	CONTACT STUDY GUIDANCE 	PRINT SOMETHING 
Min IT 	Software →	Status for IT systems 	Exam registration 

Scientific and scholarly publications

- A scientific source is published by and for researchers
- The author (name, academic credentials) and the publisher (Elsevier, IEEE, Springer, etc.)
- Objective and formal style and language
- A predefined structure: Summary (abstract), Introduction, Method, Results and Discussion
- A reference list
- Quality control, e.g., the peer review process
- Conference – and Journal articles, Books, Dissertations, Reports
- Review, Overview, Study, Survey etc.



The screenshot shows the Springer Link interface for a conference paper. At the top, the Springer Link logo is on the left, and 'Log in' is on the right. Below the logo, navigation links 'Find a journal', 'Publish with us', and 'Track your research' are present, along with a search bar and a 'Cart' icon. The main content area features a book cover thumbnail on the left and the article title 'Android Malware Detection: A Survey' on the right. Below the title, the authors 'Modupe Odusami, Olusola Abayomi-Ali, Sanjay Misra, Olamilekan Shobayo, Robertas Damasevicius & Rytis Maskeliunas' are listed. The article is identified as a 'Conference paper' with a 'First Online' date of '25 October 2018'. It has '1735 Accesses' and '35 Citations'. The article is part of the 'Communications in Computer and Information Science' book series (CCIS, volume 942). On the right side of the article, there are buttons for 'Download book PDF' and 'Download book EPUB'. Below these, a 'Sections' tab is active, showing a list of sections: 'Abstract', 'Introduction', 'Existing Android Malware Detection Methods', 'Results and Discussion', 'Conclusion and Future Work', 'References', 'Acknowledgments', 'Author information', 'Editor information', 'Rights and permissions', and 'Copyright information'.

Scientific and scholarly publications

Odusami, M., Abayomi-Alli, O., Misra, S., Shobayo, O., Damasevicius, R., Maskeliunas, R. (2018). Android Malware Detection: A Survey. In: Florez, H., Diaz, C., Chavarriaga, J. (eds) Applied Informatics. ICAI 2018. *Communications in Computer and Information Science* (Vol. 942, pp. 255–266). Springer, Cham. https://doi.org/10.1007/978-3-030-01535-0_19

- Author Modupe Odusami Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria
- Publisher Springer Nature Group international publisher of academic publications within the subjects technic och medicine.
- Source Communications in Computer and Information Science
 - Book serie that publishes peer-reviewed conference papers in computer science

How to read scientific and scholarly publications

Don't read from start to end!

1. Abstract

2. Discussion

3. Introduction

4. Results


5. Methodology

Springer Link Search Log in

International Conference on Applied Informatics
ICA 2018: **Applied Informatics** pp 255–266 | [Cite as](#)

Home > Applied Informatics > Conference paper

Android Malware Detection: A Survey


[Modupe Odusami](#), [Olusola Abayomi-Alli](#), [Sanjay Misra](#) , [Olamilekan Shobayo](#), [Robertas Damasevicius](#) & [Rytis Maskeliunas](#)


Conference paper | [First Online: 25 October 2018](#)
1572 Accesses | 27 Citations

Part of the [Communications in Computer and Information Science](#) book series (CCIS, volume 942)

Abstract

In the world today, smartphones are evolving every day and with this evolution, security becomes a big issue. Security is an important aspect of the human existence and in a world, with inadequate security, it becomes an issue for the safety of the smartphone users. One of the biggest security threats to smartphones is the issue of malware. The study carried out a survey on malware detection techniques towards identifying gaps, and to provide the basis for improving and effective measure for unknown android malware. The results showed that machine learning is a more promising approach with higher detection accuracy. Upcoming researchers should look into deep learning approach with the use of a large dataset in order to achieve a better accuracy.

[Download book PDF](#) 

[Download book EPUB](#) 

Sections [Figures](#) [References](#)

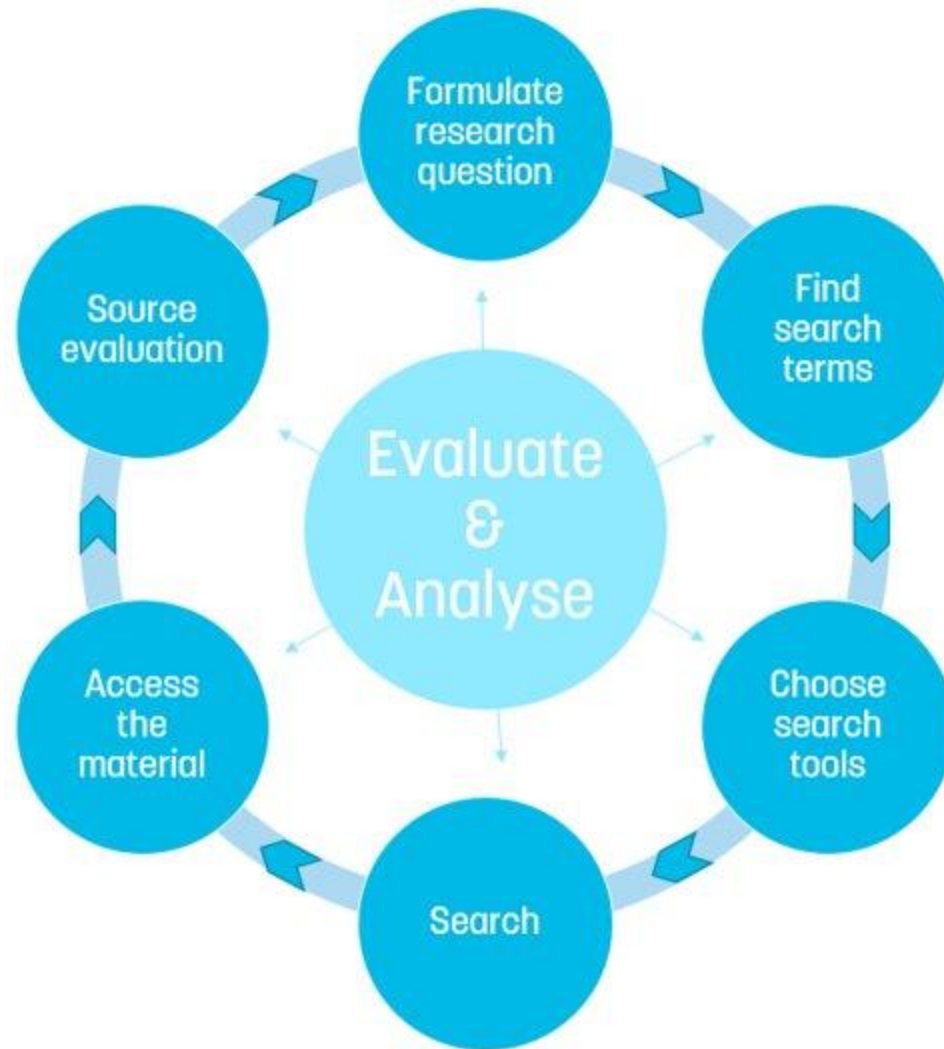
- [Abstract](#)
- [Introduction](#)
- [Existing Android Malware Detection Methods](#)
- [Results and Discussion](#)
- [Conclusion and Future Work](#)
- [References](#)
- [Acknowledgments](#)
- [Author information](#)
- [Editor information](#)
- [Rights and permissions](#)

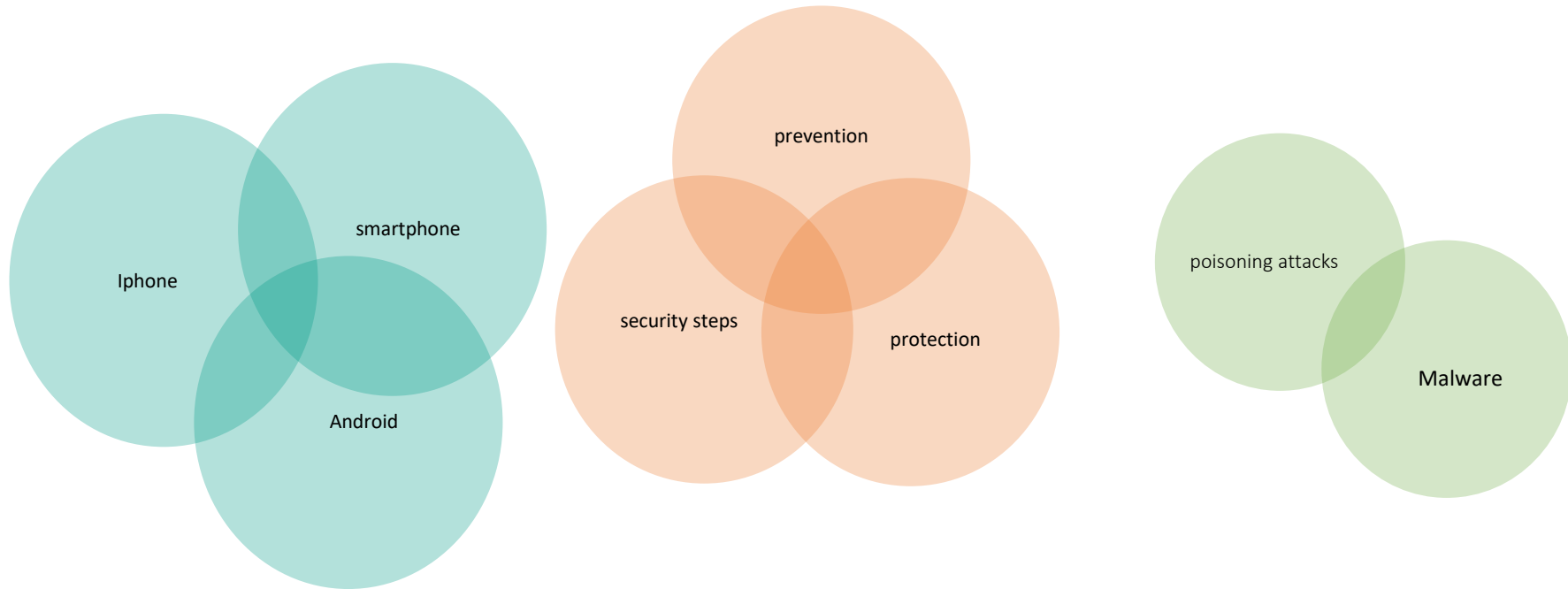
Why Information search?

Procedure when to write an academic text!

- Searching and finding information
- Evaluate the quality of information sources
- Write and organize the text

Search process





Possible security steps smartphone users can take to prevent the phone from being infected with malicious code?

Find and Organize Search Terms

Block 1	Block 2	Block 3	Block 4	Block 5
Smartphone Iphone Android	Security system steps Prevention Protection	Users	Malware Poisoning attacks	Survey Study Review Overview

Create Search Strings?

- Smartphone AND Security
- Smartphone AND Security AND System AND Users AND Malware
- (Smartphone OR Iphone OR Android) AND Security AND system AND users AND malware
- “Smartphone Security” AND Awareness

Choose search tools



Choose a search tool according to your information need

Starting point

- Course room in Lisam: Library resources & services



Choose search tools

Background material:

- Encyclopedia
AccessScience, Britannica online
- Fact books
Unisearch: Books at LiU Library, Google Books
- Student thesis & researchers publications at LiU
DiVA

Scientific material:

- Unisearch
Search for scientific publications available via LiU
- Google Scholar
Google's search engine for scientific material
- Databases
Scientific journals and other publications

Google Scholar

Search Strings

Results

Smartphone AND Security	670T
(Smartphone OR Iphone OR Android) AND Security AND system AND users AND malware	87T
"Smartphone Security" AND Awareness	2,5T

[A study on the user perception and awareness of smartphone security](#)

[D Pramod, R Raman](#) - International Journal of Applied Engineering ..., 2014 - papers.ssrn.com

... communication using mobile phone safer and were better aware of the mobile phone functionalities. Smartphone security undoubtedly has a growing demand and several security ...

☆ Save Cite Cited by 25 Related articles Import into EndNote

[\[HTML\] Security behaviors of smartphone users](#)

[A Das, HU Khan](#) - Information & Computer Security, 2016 - emerald.com

... security behaviors to the mobile context. From this prior literature, we identify constructs relevant to smartphone security (including security behaviors, ... information security behaviors and ...

☆ Save Cite Cited by 126 Related articles All 5 versions Web of Science: 40 Import into EndNote

Google Scholar

Search Strings

Smartphone AND Security AND (Awareness OR Behaviors),
LIMITERS: Review Articles, Since 2020

Results

14T

[\[HTML\]](#) A systematic literature review of the factors affecting smartphone user threat avoidance behaviour

[R Butler](#) - Information & Computer Security, 2020 - emerald.com

... security that is prevalent among smartphone users and make cost effective and usable interventions available. Training and awareness ... in this study to affect smartphone users' threat ...

☆ Save [Cite](#) Cited by 8 [Related articles](#) [All 3 versions](#) [Import into EndNote](#)

Relevant sources gives new sources & keywords

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour

R Butler - Information & Computer Security, 2020 - **emerald.com**

... **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** ... in this study to affect **smartphone** users' threat ...

☆ Save Cite Cited by 8 Related articles All 3 versions Import into EndNote

- Authors/Journal/Publisher
- Concepts/Keywords/Subject headings
- Reference list
- Related sources
- Cited by
- Database (Emerald)

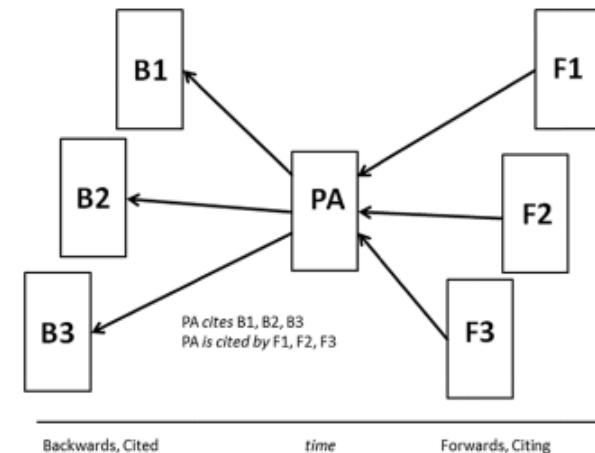


Fig. 1. Forward and backward citations cited and citing documents.

Search Terms Table

Block 1	Block 2	Block 3	Block 4	Block 5
Smartphone Iphone Android Mobile	Security system Steps Defense Detection Threat avoidance Factors Prevention Protection	Users End-Users behaviors Awareness Perceptions	Challenges Risks Threats Malware Poisoning attacks	Review Overview Survey Study

Save and organize relevant sources

Save references from search tools,
e.g. Google Scholar

ZoteroBib: referensgenerator

Import to BibTeX (LaTeX)

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour
[R Butler](#) - Information & Computer Security, 2020 - emerald.com
... **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** ... in this study to affect **smartphone** users' threat ...
☆ Save 99 Cite Cited by 8 Related articles All 3 versions Import into EndNote

zotero**b**ib

10.1108/ICS-01-2020-0016/full/html

Cite

[1] R. Butler, "A systematic literature review of the factors affecting smartphone user threat avoidance behaviour," *ICS*, vol. 28, no. 4, pp. 555-574, Jun. 2020, doi: 10.1108/ICS-01-2020-0016. Available: <https://www.emerald.com/insight/content/doi/10.1108/ICS-01-2020-0016/full/html>. [Accessed: Feb. 28, 2024]

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour
[R Butler](#) - Information & Computer Security, 2020 - emerald.com
... **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** ... in this study to affect **smartphone** users' threat ...
☆ Save 99 Cite Cited by 8 Related articles All 3 versions Import into BibTeX

Unisearch - liu.se/en/library

Navigate and search...

- The library's books
- Scientific journals
- Encyclopedia
- Databases
-but not everything we have access to

Services

- Search
- See availability
- Access our licensed content
- Reserve books

Search articles, books and more

Search articles, books and journals (in UniSearch)

Search

[Customize search](#)

[Advanced search](#)

Databases liu.se/en/library/databases

Multidisciplinary:



ScienceDirect®

Clarivate

Web of Science™

- Contain scientific publications
- Subject-specific & quality controlled
- Easy to refine searches
- Publications that are not available via e.g., Google Scholar

Subject specific:

IEEE Xplore®



Databases

Choosing a suitable database

- Compare relevance

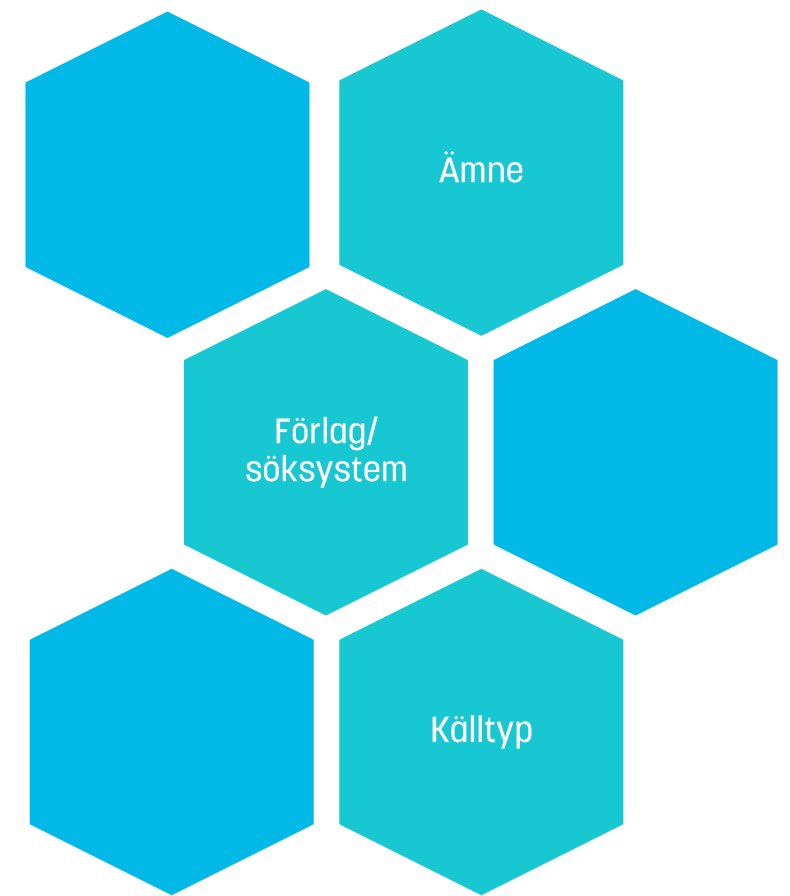
Smartphone Security User Awareness

- SpringerLink: 15T
- ScienceDirect: 10T
- ACM: 8T
- Emerald: 2T

How search tools are used varies in different databases

ACM: Smartphone AND Security AND User AND Awareness

React to strange search results (0 or 2 millions)



Access Material

- PDF-fulltext



LiU Full Text



 Find Full Text

Free Full Text (Open Access)



LiU Full Text  Linked full text

Other ways to fulltext?

- Search on article title in Unisearch/Google Scholar
- Google Scholar – LiU Full Text
- Search on journal name in UniSearch
- No Access? Loans and requests (Note! Language)

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour

R Butler - **Information & Computer Security**, 2020 - emerald.com

... **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** ... in this study to affect **smartphone** users' threat ...

Sök artiklar, böcker med mera

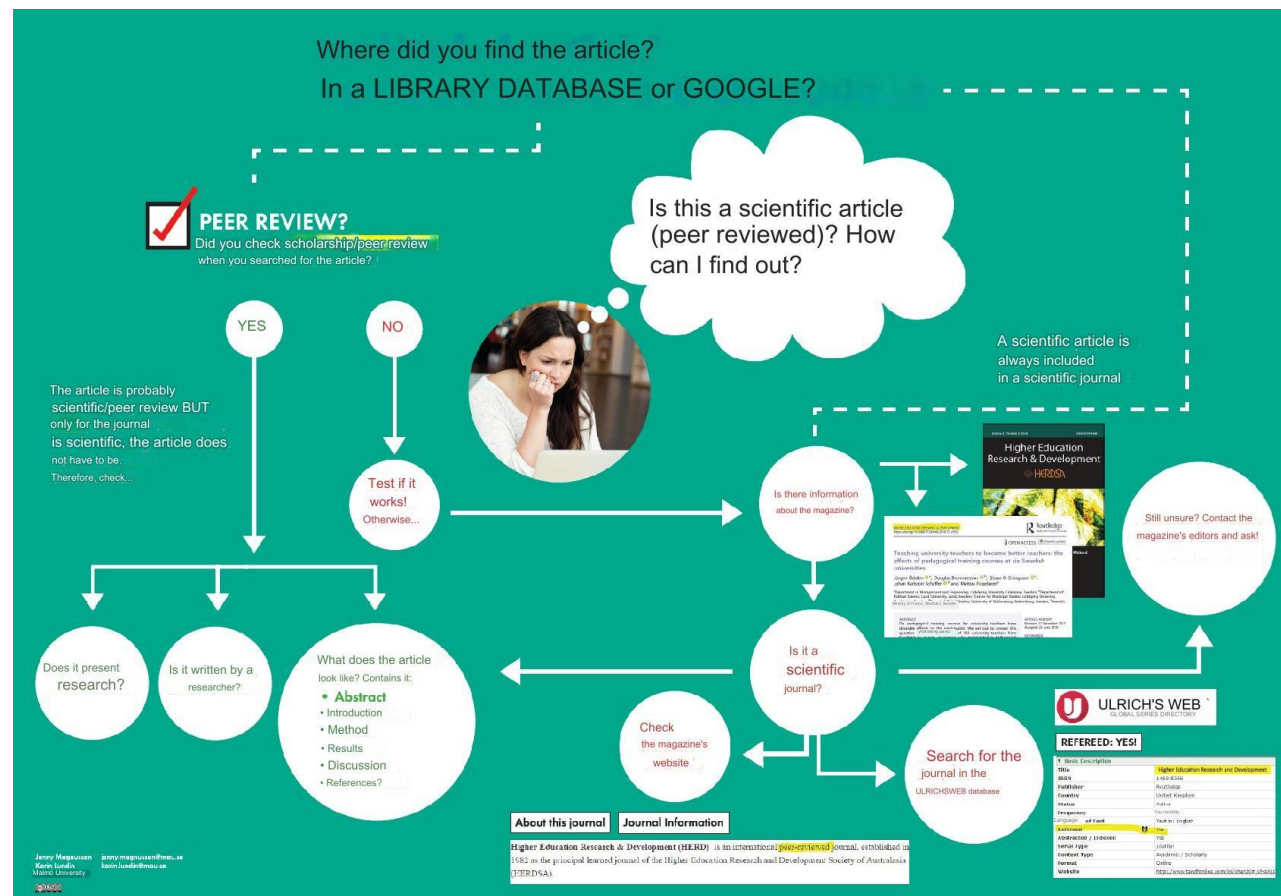
Information Computer Security Sök

Anpassa sökning

Sök efter...	Sök på...
<input type="checkbox"/> Artiklar, Böcker, Tidskrifter	<input checked="" type="checkbox"/> Titel
<input type="checkbox"/> Böcker på svenska bibliotek	<input type="checkbox"/> ISSN
<input type="checkbox"/> Databaser	
<input checked="" type="checkbox"/> Tidskrifter	

Evaluate your Search results

- Where is the source published?
- Peer-review?
- Author/Publisher/Journal?
- Presents research?
- IMRAD?
- Relevance?
- Ulrichsweb : global serials directory



Magnusson, J., & Lundin, K. (u.å.). *Vetenskapliga artiklar flödesschema*. Malmö universitet. <https://mau.app.box.com/s/x94l8v7mb6xzfpiqg22mb37vyt61ljef>

Useful AI-Tools

Copilot, ChatGPT

- Find keywords and help create useful search questions. Explain concepts summarize texts

Elicit, Perplexity, Scopus AI

- AI search services. Enhanced Search Capabilities. Discovery Acceleration. An easy-to-understand overview of sources

Inciteful, Connected Papers

- Citation mapping tool. Gives several lists of Top articles, Review articles etc. which can be good tips.

AI-Tools: Remember this

“Ask a silly question, get a silly answer”

- Importance of prompt engineering

Factual accuracy and source criticism - Verify

- Bias and hallucinations
- Transparency – what tools did you use and how?

You yourself are involved in training the AI service you use

- Do not share sensitive information or data
- Do not share copyrighted material

Ethical dilemmas – your responsibility, AI is not an author

Linköping University library

liu.se/en/library

biblioteket@liu.se