

# Research

With the advent of the AI Big Data era, AI is making our lives easier, but at the same time AI is also invading our private information: phone numbers, email addresses, home addresses and even more private personal data. So I often wonder whether AI poses unpredictable management and new risks to humans.

## Process

### Stage one

I started by compiling a few keyword fragments about the topic and researched these phrases to come up with keywords that would be a better fit for the topic.

More effective keywords	More invalid keywords
The impact of Ai development	The history of artificial intelligence, the future of artificial intelligence, the impact of artificial intelligence
Surveillance of personal privacy	The need for privacy, information theft and how to protect personal privacy in the age of big data
Artificial intelligence privacy	Positive and negative impacts of artificial intelligence

### Stage two

I have therefore identified two initial keywords for the direction of this research: "The impact of Ai development" and "Surveillance of personal privacy". The objective of the research was to systematically analyse and collate the literature on the Internet. The objective of the research is to systematically compile Privacy Issues in Artificial Intelligence through research and collation of literature on the internet.

Initially, I chose to search for the keywords 'product design' and 'user requirement' on the Google book platform. This is because I am usually more used to using Google directly to search for what I want and it is easy to use.

Searching for the keywords 'The impact of Ai development' and 'Surveillance of personal privacy' gave me several million results. There is no doubt that there are so many results that it is difficult to find literature that is directly relevant to what I am searching for.

Google 学术搜索 The impact of AI development 登录

文章 找到约 5,030,000 条结果 (用时0.22秒)

时间不限  
2023以来  
2022以来  
2019以来  
自定义范围...

按相关性排序  
按日期排序

不限语言  
中文网页  
简体中文网页

类型不限  
评论性文章  
☐ 包括专利  
☐ 包括引用  
☒ 创建快讯

[HTML] Analysis of the impact of artificial intelligence application on the development of accounting industry  
J Luo, Q Meng, Y Cai - Open Journal of Business and Management, 2016 - scirp.org  
... analyzes the impact of artificial intelligence on the development of accounting industry. ...  
☆ 保存 0 次引用 被引用次数: 76 相关文章 所有 4 个版本 00

[HTML] The role of artificial intelligence in achieving the Sustainable Development Goals  
E Almasri, H Alzoubi, J Lelo, M Belam - Nature, 2020 - nature.com  
However, to date, there is no published study systematically assessing the extent to which AI might impact all aspects of sustainable development—defined in this study as the 17 ...  
☆ 保存 0 次引用 被引用次数: 896 相关文章 所有 24 个版本 00

AI Watch-Artificial Intelligence in public services: Overview of the use and impact of AI in public services in the EU  
G Meurice, C Van Noord - JRC Research Reports, 2020 - ideas.repec.org  
AI Watch, the European Commission knowledge service to monitor the development, uptake and impact of Artificial Intelligence (AI) ... on the Development and Use of Artificial Intelligence ...  
☆ 保存 0 次引用 被引用次数: 22 相关文章 所有 2 个版本 00

Principles alone cannot guarantee ethical AI  
E Miodini - Nature machine intelligence, 2019 - nature.com  
... impact on AI development and governance. Significant differences exist between medicine and AI development that ... Compared to medicine, AI development lacks (1) common aims and ...  
☆ 保存 0 次引用 被引用次数: 481 相关文章 所有 13 个版本 00

[PDF] The AI now report  
K Crawford, M Whitaker, MC Elsie - Artificial Intelligence, 2016 - ackstihbarat.com  
... by focusing on the social and economic impacts of AI over the next ten years, offering ... the development of AI systems. The field of AI should also support and promote interdisciplinary AI ...  
☆ 保存 0 次引用 被引用次数: 39 相关文章 所有 4 个版本 00

Artificial intelligence in the industry 4.0, and its impact on poverty, innovation, infrastructure development, and the sustainable development goals: Lessons from ...  
D Mtshanga - Sustainability, 2021 - mdpi.com

[HTML] scirp.org  
[HTML] nature.com Full View  
[PDF] arxiv.org  
[PDF] ackstihbarat.com  
[PDF] mdpi.com MOC Journal Finder

Google 学术搜索 Surveillance of personal privacy 登录

文章 找到约 2,290,000 条结果 (用时0.14秒)

时间不限  
2023以来  
2022以来  
2019以来  
自定义范围...

按相关性排序  
按日期排序

不限语言  
中文网页  
简体中文网页

类型不限  
评论性文章  
☐ 包括专利  
☐ 包括引用  
☒ 创建快讯

[图档] Computers, surveillance, and privacy  
D Lyon, E Zureik - 1996 - books.google.com  
... Hence the main discourse of resistance to oversurveillance is that of "privacy." A glance at ... to "state surveillance," even though it was the sinister power of government surveillance that ...  
☆ 保存 0 次引用 被引用次数: 194 相关文章 所有 3 个版本 00

Privacy, surveillance, and law  
RA Posner - The University of Chicago Law Review, 2008 - JSTOR  
... demonstrated that valuable intelligence could be obtained without the kind of surveillance that normally requires a warrant. Privacy is the terrorist's best friend, and the terrorist's privacy ...  
☆ 保存 0 次引用 被引用次数: 216 相关文章 所有 7 个版本 00

[陈书] The privacy advocates: Resisting the spread of surveillance  
CJ Bennett - 2010 - books.google.com  
... enabling technologies, combined with the ongoing weakening in legal restraints that protect our privacy have us drifting toward a surveillance society. The ACLU's Technology and ...  
☆ 保存 0 次引用 被引用次数: 329 相关文章 所有 8 个版本 00

Subjective study of privacy filters in video surveillance  
P Koshunoy, C Araimo, F De Simone - 2012 IEEE 14th ..., 2012 - IEEE explore.ieee.org  
... public about the increasing invasion into personal privacy. Therefore, to address privacy issues, many tools have been proposed for protection of personal privacy in image and video. ...  
☆ 保存 0 次引用 被引用次数: 58 相关文章 所有 12 个版本 00

Thinking beyond privacy calculus: Investigating reactions to customer surveillance  
K Plangger, M Montecchi - Journal of Interactive Marketing, 2020 - journals.sagepub.com  
... privacy and surveillance, surveillance often has a negative connotation related to the privacy costs and security risks borne by the surveillances ... across from surveillance (Abrechtshand, ...  
☆ 保存 0 次引用 被引用次数: 62 相关文章 所有 9 个版本 00

Internet privacy concerns and beliefs about government surveillance—An empirical investigation  
I Dinay, P Hart, MR Mullen - The Journal of Strategic Information Systems, 2008 - Elsevier  
... surveillance and examine their effects, along with privacy concerns, on the behavioral intention to provide the personal ... s decision to submit personal information online is beyond the ...  
☆ 保存 0 次引用 被引用次数: 304 相关文章 所有 7 个版本 00

[PDF] uchicago.edu MOC Journal Finder  
[PDF] epfl.ch  
[PDF] kcl.ac.uk Full View  
[PDF] 130.18.86.27

I got the same millions of search results, but on closer inspection I found that the search results were not only related to the keywords in the title, but also in the description of the profile, which showed that these documents were indeed the answers I was looking for.

The screenshot shows the Google Scholar search results for the keyword 'artificial intelligence privacy'. The search bar at the top displays the keyword and the number of results found: 3,500,000. The left sidebar contains filters for time range (all time, 2023 onwards, 2022 onwards, 2019 onwards, custom range), sorting options (relevance, date), and document types (all, peer-reviewed, review articles, etc.). The main results area shows several articles, including 'Privacy, algorithms, and artificial intelligence' by C. Tucker, 'Artificial intelligence: Risks to privacy and democracy' by K. Mannheim, L. Kaplan, and J. & Tech., and 'Security and privacy for artificial intelligence: Opportunities and challenges' by A. Oseni, N. Moustafa, H. Janicke, P. Liu, and Z. Tari. Each result includes a brief abstract and a link to the full text (PDF).

At the same time, I got different results for each platform using this keyword search.

Catalogue of the University of Arts London library	Artificial intelligence privacy	7
Google scholar	Artificial intelligence privacy	3,600,000
Google book	Artificial intelligence privacy	Not shown

## Stage three

I then narrowed my search for articles to between 2020-2023 and the results were obvious, the search was narrowed down to 601,000 results. Although it may seem like a lot of results, these were the most recent articles on my keywords and saved me a great deal of time compared to before. I decided to start by looking at these articles from the first page and if this did not contain the answer I was looking for, I would then consider adding restrictions to narrow it down further.

The screenshot shows the Google Scholar search results for the keyword 'artificial intelligence privacy' with date filters applied. The search bar at the top displays the keyword and the number of results found: 601,000. The left sidebar contains filters for time range (all time, 2023 onwards, 2022 onwards, 2019 onwards, custom range). The custom range filter is set to 2020 - 2023. The main results area shows several articles, including 'Security and privacy for artificial intelligence: Opportunities and challenges' by A. Oseni, N. Moustafa, H. Janicke, P. Liu, and Z. Tari, and 'More than privacy: Applying differential privacy in key areas of artificial intelligence' by T. Zhu, D. Ye, W. Wang, and W. Zhou. Each result includes a brief abstract and a link to the full text (PDF).

For the first page of literature, I began a quick skim from title to synopsis, from which I found three pieces of literature that were useful to me.

Oseni A, Moustafa N, Janicke H, et al. Security and privacy for artificial intelligence: Opportunities and challenges[J]. arXiv preprint arXiv:2102.04661, 2021.

Curzon J, Kosa T A, Akalu R, et al. Privacy and artificial intelligence[J]. IEEE Transactions on Artificial Intelligence, 2021, 2(2): 96-108.

Murdoch B. Privacy and artificial intelligence: challenges for protecting health information in a new era[J]. BMC Medical Ethics, 2021, 22(1): 1-5.

This first paper describes the main challenges and future research directions in the area of security and privacy for artificial intelligence technologies. Adaptive defences are developed to evaluate in order to protect AI applications. Finally, the main challenges and future research directions for AI technologies in the area of security and privacy are described.

The second literature surveys and provides various scenarios for the use of AI, highlighting the potential risks to privacy and providing various mitigation strategies.

The third literature provides a healthcare perspective to enhance the systematic oversight of big data health research. Appropriate protections are put in place to maintain privacy and patient agency. Private custodians of data may be subject to competing objectives and should be structured to encourage this to ensure that data is protected and discourage other uses.