

# ScienceDirect AI

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# ScienceDirect AI科研问



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Bakit nagiging mas mahalaga ang mga aklatan sa panahon ng AI?

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### Summary answer

Bakit nagiging mas mahalaga ang mga aklatan sa panahon ng AI?

#### Mga Dahilan:

- Pagpapahusay ng Serbisyo:** Ang paggamit ng AI sa mga aklatan ay nagdudulot ng mas mabilis at mas epektibong access sa impormasyon, na nagresulta sa mas mahusay na karanasan ng mga gumagamit (Blanco-Domingo & Tramullas, 2025), (Lawal, 2025).
- Pag-unlad ng Teknolohiya:** Ang mga aklatan ay nang-aangkop sa mga bagong teknolohiyang tulad ng AI upang manatiling mahalaga sa digital na panahon. Ang mga teknolohiyang ito ay nagbibigay-daan sa mga aklatan na mag-alok ng mga personalized na serbisyo at mas mahusay na pamamahala ng impormasyon (Blanco-Domingo & Tramullas, 2025), (Danquah et al., 2024).

Reference preview ✕

### Library Software and Automation

Luis M. Blanco-Domingo, Jesús Tramullas  
*Encyclopedia of Libraries, Librarianship, and Information Science* • 2025

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Answer found in section: "Future Trends"

The integration of artificial intelligence, virtual reality, data analytics, IoT, and other technologies will enable libraries to offer more efficient and personalized services. In addition, ubiquitous connectivity and access through mobile devices will open up new possibilities for learning and research (Gorman and Shep, 2018). These will enhance the user experience and ensure that libraries remain a critical access point to information and knowledge.

References from summary (?)

**Sources of Information**  
Bentley Adams-Baileye  
*Encyclopedia of Libraries, Librarianship, and Information Science* • 2025  
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**Artificial intelligence implementation strategies for Canadian academic libraries:**  
A scoping review  
Anissa Marwan (University), Perpetua Sekiywa Dadae, ... Christian Vrancky Hyslop  
*The Journal of Academic Librarianship* • 2024  
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**Children: Trends and Issues in LIS Research**  
Sarah Isaac  
*Encyclopedia of Libraries, Librarianship, and Information Science* • 2025  
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Libraries are increasingly utilizing AI to enhance their services, necessitating librarians to continuously update their skills. This evolution highlights the essential role of libraries in educating users about the benefits and challenges of AI in research.

Academic libraries are adopting AI to provide innovative, technology-driven services. This shift is crucial for libraries, especially in developing countries, to enhance their relevance and minimize human interaction in information services.

Libraries are beginning to understand how to engage communities with AI technologies, aiming to support children in using these tools proactively to manage information and foster creativity.

How relevant is this answer? [☆](#) [☆](#) [☆](#)

# ScienceDirect AI科研问



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## ^ Related insights (3)

### The information age: Another giant step backward

Dennis B. Quinn

*The Journal of Academic Librarianship* • 1994

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As libraries transition to computerized information repositories, there is a risk of dehumanizing knowledge. The reliance on computers for data management may overshadow the importance of human understanding in education.

How relevant is this answer? ☆ ☆ ☆

### Librarianship in Africa

Stephen Akintunde

*Encyclopedia of Libraries, Librarianship, and Information Science* • 2025

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The growing adoption of AI in libraries across Africa signifies a shift towards innovative service delivery, with institutions like the University of Johannesburg implementing AI-enhanced services to improve efficiency.

How relevant is this answer? ☆ ☆ ☆

### Library Software, an Overview

Laurie N. Taylor

*Encyclopedia of Libraries, Librarianship, and Information Science* • 2025

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Irrelevant section to the query. No summary provided.

How relevant is this answer? ☆ ☆ ☆

# ScienceDirect AI科研问



ScienceDirect AI同时推荐相关问题，激发更深入的研究与发现。

Ask another question:

↳ Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya? ↗

↳ Anong papel ang ginagampanan ng mga aklatan sa pagbuo ng kritikal na pag-iisip sa AI? ↗

↳ Paano nagbabago ang mga serbisyo ng aklatan sa harap ng pag-usbong ng AI? ↗

Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

Get answers

Summary answer

## Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

**Mga Paraan ng Pagtulong ng Aklatan:**

• **Pagpapalaganap ng Kaalaman:**

- Ang mga aklatan ay nagbibigay ng impormasyon tungkol sa AI, kabilang ang mga pangunahing konsepto, aplikasyon, at hinaharap na potensyal ng teknolohiya (Joiner, 2018).
- Ang mga aklatan ay maaaring magbigay ng mga instructional sessions at sagutin ang mga pangunahing tanong tungkol sa AI (Joiner, 2018).

• **Pagsuporta sa Edukasyon at Pananaliksik:**

- Ang mga aklatan sa unibersidad ay tumutulong sa mga estudyante at akademiko na maunawaan ang mga oportunidad at hamon na dala ng AI (Williams, 2025), (Williams, 2025).
- Ang mga aklatan ay nag-eeksperimento sa paggamit ng AI upang mapabuti ang kanilang mga serbisyo at sistema (Williams, 2025), (Williams, 2025).

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## International Journal of Information Management Data Insights

Volume 3, Issue 2, November 2023, 100205

### How does AI drive branding? Toward integrated theoretical framework for AI-driven branding

Maria DSouza Deryl , Sanjeev Verma, Vartika Srivastava

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<https://doi.org/10.1016/j.ijime.2023.100205>

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#### Highlights

- Artificial Intelligence transforms brands for universal

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Actions you could take:

Summarize this article

Summarize experiments

what is the research gap?

#### Research Gap

The present study fills the research gap by offering an integrated theoretical framework to explain AI-driven branding. Previous reviews have consolidated the academic contributions and thematically described the domain, but a comprehensive account of the theoretical underpinnings used in AI-driven branding literature and the subsequent integration of the

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# 实验对比



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1 **The effect of exploratory trademark strategy on corporate cash holdings**

International Review of Financial Analysis, June 2025  
Ying Zou, Jianshi Li, ... Min Li

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2 **Data elements and corporate innovation: A discussion of corporate innovation strategy**

Finance Research Letters, April 2025  
Dengyun Gao, Cheng Liu, Zhanwei Sun

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3 **Source prevention or end-of-pipe treatment? Green public procurement and corporate environmental investment strategies**

Journal of Environmental Management, April 2025  
Renjie Zhong, Guiyi Zhu

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Compare experiments  
AI-summarized research experiments or studies for:

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Export table (CSV)

ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION
<p>Article</p> <p><b>Source prevention or end-of-pipe treatment? Green public procurement and corporate environmental investment strategies</b></p> <p>Renjie Zhong, Guiyi Zhu</p> <p>Journal of Environmental Management • Volume 379 • 2025</p> <p>Export data (CSV)</p>	<p>Empirical study on the relationship between GPP and corporate environmental investment strategies</p>	<p>To investigate the impact of green public procurement (GPP) on corporate environmental investment strategies, specifically examining whether GPP promotes enterprises' preventive environmental investments or end-of-pipe treatment investments.</p>	<p>Manually collected data on corporate environmental investment, green public procurement data obtained through textual analysis techniques. Financial data of listed companies from the China Stock Market and Accounting Research (CSMAR) database.</p>	<p>1. Classify enterprises' environmental investment strategies into source prevention and end-of-pipe treatment based on the production stage involved. 2. Construct the GPP variable using textual analysis techniques to identify green procurement contracts. 3. Conduct regression analysis to examine the impact of GPP on the two types of environmental investment strategies, controlling for firm characteristics.</p>	<p>GPP significantly promotes enterprises' preventive environmental investments, but has no obvious effect on end-of-pipe treatment investments.</p>	<p>Enterprises obtaining green procurement orders tend to adopt a source prevention environmental investment strategy in response to increasing environmental pressures from GPP.</p>
	<p>Mechanism analysis on the role of the threat of procurement termination</p>	<p>To examine whether the government's threat of termination of procurement is a potential mechanism by which GPP induces enterprises to adopt a source prevention environmental investment strategy.</p>	<p>Data on whether enterprises obtained green procurement orders in the previous year but not in the current year, indicating termination of procurement relationship.</p>	<p>1. Retain only enterprises that had obtained green procurement orders during the sample period. 2. Generate dummy variables indicating termination of procurement relationship based on the continuity of green procurement orders. 3. Regress the probability of procurement termination on an enterprise's prevention and treatment environmental investments.</p>	<p>The more preventive environmental investments on enterprise makes, the lower the probability of being terminated from a procurement relationship by the government. Increased end-of-pipe treatment environmental investment does not reduce the probability of procurement termination.</p>	<p>The threat of termination of procurement by the government is a potential mechanism for GPP to prompt enterprises to adopt a source prevention environmental investment strategy.</p>

# 实验对比



对比ScienceDirect AI 科研网的检索结果。

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## Compare experiments

As summarized research experiments or studies for:  
"title and the potential applications of nanotechnology in medicine, such as targeted drug delivery, tissue engineering, and diagnostics"

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ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION	FEEDBACK
<p>Article</p> <p>Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydroxybenzoate</p> <p>Prof.Dr. Divya, Anubhava Channarayana, ... Anshulkumar Thanniyakavayana</p> <p>Emergen Journal of Medical Chemistry - Volume 84 - 2014</p> <p>Export data CSV</p>	<p>~ Synthesis and characterization of silver nanoparticles</p>	<p>To synthesize and characterize silver nanoparticles (AgNPs) using crystal compound of sodium para-hydroxybenzoate (AgNP) isolated from <i>Vicia negundo</i>. Leaves and its apocynic effect on human colon cancer cell lines.</p>	<p>Sodium para-hydroxybenzoate tetrahydrate (SPHT), 1 mM silver nitrate (AgNO<sub>3</sub>) solution</p>	<p>5 ml of SPHT (10 mg/50 ml) was added to 55 ml of 2 mM AgNO<sub>3</sub> aqueous solution and incubated for 2 h at room temperature. Synthesis of SPHT-AgNPs was confirmed by the evolution of prominent peak at 420 nm and color change from colorless to dark brownish yellow. The in vitro stability of SPHT-AgNPs was analyzed by monitoring the plasmon absorbance (λ<sub>max</sub>) and plasmon bandwidth (Δλ) in different temperatures (30, 40 and 50°C) and phosphate buffer solutions pH 4, 5, 6, 7, 8, and 9. The size and morphology of SPHT-AgNPs were characterized using HRTEM, FEEDX, EDX, and zeta potential analysis. FT-IR spectroscopy was used to examine the functional groups present on SPHT and SPHT-AgNPs.</p>	<p>The SPHT-AgNPs were spherical in shape with a size range of 20-26 nm. The highest and lowest zeta potential values were observed for SPHT-AgNPs synthesized from SPHT-AgNPs were responsible for the reduction and stabilization of AgNPs. The SPHT-AgNPs exhibited high in vitro stability in different temperatures and pH conditions.</p>	<p>The SPHT was an effective reducing, capping and capping agent in the synthesis of AgNPs. The SPHT and SPHT-AgNPs showed inhibitory effects on the proliferation of human colon cancer cell lines HCT15 and HT-29, and induced apoptosis and cell cycle arrest.</p>	<p>How would you rate this summary?</p> <p>☆ ☆</p>
<p>Article</p> <p>Cell viability and apoptosis analysis</p> <p>Human colon cancer cell lines HCT15 and HT-29</p> <p>Export data CSV</p>	<p>~ Cell viability and apoptosis analysis</p>	<p>To evaluate the anti-proliferative and apoptotic effects of SPHT and SPHT-AgNPs on human colon cancer cell lines HCT15 and HT-29.</p>	<p>Human colon cancer cell lines HCT15 and HT-29, MTT reagent, Annexin V-FITC/PI apoptosis detection kit</p>	<p>The inhibitory effects of SPHT and SPHT-AgNPs on HCT15 and HT-29 cells were determined by MTT assay. The cells were treated with different concentrations of SPHT and SPHT-AgNPs (2, 4, 8, and 16 μg/ml) for 24 and 48 h. The apoptosis induced by SPHT and SPHT-AgNPs was quantitatively assessed using Annexin V-FITC/PI staining and analyzed by flow cytometry. The cell cycle distribution was also analyzed by flow cytometry.</p>	<p>SPHT and SPHT-AgNPs induced a dose and time dependent inhibition of HCT15 and HT-29 cell proliferation. The IC<sub>50</sub> values of SPHT on HCT15 and HT29 were 4 μg/ml and 2 μg/ml respectively at 48 h. Cells for SPHT-AgNPs the IC<sub>50</sub> values were 8 μg/ml and 6 μg/ml respectively at 24 h. The Annexin V-FITC/PI staining showed that SPHT-AgNPs induced a higher percentage of early and late apoptotic cells compared to SPHT. The cell cycle analysis revealed that SPHT and SPHT-AgNPs induced cell cycle arrest in the G2/M phase.</p>	<p>SPHT and SPHT-AgNPs exhibited potent anti-proliferative and apoptotic effects on human colon cancer cell lines HCT15 and HT-29. SPHT-AgNPs showed higher cytotoxic activity compared to SPHT.</p>	<p>How would you rate this summary?</p> <p>☆ ☆ ☆</p>
<p>Article</p> <p>Investigating the cytotoxicity of iron oxide nanoparticles in vivo and in vitro studies</p> <p>Sorani Ghazvini, Mohammad Ali Shahrizadeh, ... Mehdi Akbari</p> <p>Emergen and Nanotech Pathology - Volume 87 - 2015</p> <p>Export data CSV</p>	<p>~ In vitro cell viability study</p> <p>~ In vivo cell cycle analysis</p> <p>~ In vivo toxicity study</p>	<p>To evaluate the cytotoxicity of 200 and 400 nm, modified and non-modified iron oxide nanoparticles on mouse fibroblast (3T3) cells</p> <p>To investigate the effect of 200nm, modified iron oxide nanoparticles on cell cycle parameters of L929 cells</p> <p>To evaluate the in vivo effects of 200nm, modified iron oxide nanoparticles on liver and kidney function in Wistar rats</p>	<p>L929 mouse fibroblast cells, Dulbecco's modified Eagle medium (DMEM), Fetal Bovine Serum (FBS), iron oxide nanoparticles</p> <p>L929 mouse fibroblast cells, 200nm, modified iron oxide nanoparticles</p> <p>Wistar rats, 200nm, modified iron oxide nanoparticles, 0.5% agarose</p>	<p>L929 cells were seeded in 96-well plates and exposed to 200 and 400 nm of modified and non-modified iron oxide nanoparticles for 24 hours. Cell viability was assessed using the MTT assay.</p> <p>L929 cells were exposed to 200nm, modified iron oxide nanoparticles for 24 hours. Cell cycle distribution was analyzed using flow cytometry.</p> <p>Wistar rats were randomly divided into an experimental group (treated with 200nm, modified iron oxide) and a control group (treated with vehicle). Blood samples were collected at 1, 1 hour and 24 hours post-injection to measure liver enzymes (ALT, AST, ALP) and kidney function (BUN, creatinine) parameters. Histological analysis of the liver and kidney was also performed.</p>	<p>Exposure to all concentrations of modified and non-modified iron oxide nanoparticles significantly decreased cell viability compared to control. Increasing the concentration of non-modified iron oxide from 200 to 400 nm, significantly increased cell viability.</p> <p>Exposure to 200nm, modified iron oxide nanoparticles increased cell granularity and decreased cell size, with 14% of cells undergoing apoptosis (Ann-Cy5) stained. The G2/M phase increased by 3.3% while the S and G2/M phases decreased by 1.9% and 0.7%, respectively.</p> <p>There were no significant differences in liver and kidney function tests between the experimental and control groups at 1 hour and 24 hours post-injection. Serum iron levels were significantly higher in the experimental group at 24 hours compared to 1 hour. Histological analysis showed no changes in the morphology of the liver and kidney tissues.</p>	<p>Modified iron oxide had lower cytotoxicity compared to non-modified iron oxide. The increase in cell viability with higher concentrations of non-modified iron oxide was likely due to the release of iron from the nanoparticles.</p> <p>Exposure to 200nm, modified iron oxide nanoparticles induced sublethal-related changes in cell morphology and a slight increase in the phase of the cell cycle, without significant effects on other cell cycle parameters.</p> <p>A single intravenous injection of 200nm, modified iron oxide nanoparticles did not induce significant toxic toxicity in the liver and kidney in Wistar rats within 24 hours, despite the observed increase in serum iron levels.</p>	<p>How would you rate this summary?</p> <p>☆ ☆ ☆</p> <p>How would you rate this summary?</p> <p>☆ ☆ ☆</p> <p>How would you rate this summary?</p> <p>☆ ☆ ☆</p>

# 科研人员共创

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——葡萄牙波尔图理工学院，会计与管理学院Paulo Botelho教授



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