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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 nagdudulat ng mas mabilis at mas epektibong access sa impormasyon, na nagreresulta sa mas mahusay na karanasan ng mga gumagamit (Blanco-Domingo & Tramullas, 2025), (Lawal, 2025).
- Pag-unlad ng Teknolohiya:** Ang mga aklatan ay nag-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 [1]

Sources of Information

Beverly Adams-Disque

Encyclopedia of Libraries, Librarianship, and Information Science • 2025

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Artificial intelligence implementation strategies for Ghanaian academic libraries: A scoping review

Muhammad Danquah, Praveen Selvaraj

Journal of Academic Librarianship • 2024

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Children: Trends and Issues in LIS Research

Sarah Ameer

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.

How relevant is this answer? ☆ ☆ ☆

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 maximize human interaction in information spaces.

How relevant is this answer? ☆ ☆ ☆

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

How relevant is this answer? ☆ ☆ ☆



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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.

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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 driven branding

Maria DSouza Deryl , Sanjeev Verma, Vartika Srivastava

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

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Highlights

- Artificial Intelligence transforms brands for universal

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Actions you could take:

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 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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- ☐ Long Range Planning (4,321)
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International Review of Financial Analysis, June 2025

Ying Zou, Jianxin 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, Chang 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 Zhang, Guoyi Zhu

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AI-summarized research experiments or studies for:

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ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION
Article Source prevention or end-of-pipe treatment? Green public procurement and corporate environmental investment strategies Renjie Zhang, Guoyi Zhu Journal of Environmental Management • Volume 379 • 2025 Export data (CSV)	Empirical study on the relationship between GPP and corporate environmental investment strategies Mechanism analysis on the role of the threat of procurement termination	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. 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.	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 Data on whether enterprises obtained green procurement orders in the previous year but not in the current year, indicating termination of procurement relationship.	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 a regression analysis to examine the impact of GPP on the two types of environmental investment strategies, controlling for firm characteristics. 1. Reason 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 enterprises' preventive and treatment environmental investments.	GPP significantly promotes enterprises' preventive environmental investments, but has no obvious effect on end-of-pipe treatment investments. 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.	Enterprises obtaining green procurement orders tend to adopt a source prevention environmental investment strategy in response to increasing environmental pressures from GPP. 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.

实验对比



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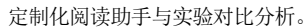
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ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION	FEEDBACK
Article Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydrobenzoate tetrahydrate (SPHT) isolated from Vitex negundo. L leaves and its apoptotic effect on human colon cancer cell lines » Prof.Dr. Divya, Anandhu Chennayyan , Ashokkumar Thiruvannokorusu European Journal of Medical Chemistry - Volume 84, 2023 ... Export table (CSV)	Article Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydrobenzoate tetrahydrate (SPHT) isolated from Vitex negundo. L leaves and its apoptotic effect on human colon cancer cell lines	To synthesize and characterize silver nanoparticles (AgNPs) using crystal compound of sodium para-hydrobenzoate tetrahydrate (SPHT) isolated from Vitex negundo. L leaves and study its apoptotic effect on human colon cancer cell lines.	Sodium para-hydrobenzoate tetrahydrate (SPHT), 1 mM silver nitrate (AgNO3) solution	2 µl of SPHT (20 mg/ml) was added to 98 µl of 1 mM AgNO3 aqueous solution and incubated for 2 h at room temperature. Synthesis of SPHT-AgNPs was confirmed by the existence of plasmon peak at 400 nm and color change from colorless to dark brownish yellow. The in-vitro stability of SPHT-AgNPs was analyzed by monitoring the plasmon absorbance (labeled and plasmon bandwidth (Δλ) in different temperatures (30, 40 and 50°C) and phosphate buffer solutions (pH 4.5, 5.5, 6 and 7.5). The size, shape and morphology of SPHT-AgNPs were characterized using HRTEM, EDS, DLS and zeta potential analysis. F-48 spectrometry was used to examine the functional group present in SPHT and SPHT-AgNPs.	The SPHT-AgNPs were synthesized in shape with a size range of 30-80 nm. The hydrogel and carbonyl functional groups from SPHT were responsible for the reduction and stabilization of AgNPs. The SPHT-AgNPs exhibited high in-vitro stability at different temperatures and pH conditions.	The SPHT was an effective reducing, stabilizing 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.	How would you rate this summary? ☆☆☆
	Article Cell viability and apoptosis analysis	To evaluate the antiproliferative and apoptotic effects of SPHT and SPHT-AgNPs on human colon cancer cell lines HCT15 and HT-29.	Human colon cancer cell lines HCT15 and HT-29, MTT reagent, Annexin V-FITC/PI apoptosis detection kit	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 (1, 4, 8 and 16 µg/ml) for 24 and 48 h. The apoptosis induced by SPHT and SPHT-AgNPs was quantifier assessed using Annexin V-FITC/PI staining and evaluated by flow cytometry. The cell cycle distribution was also analyzed by flow cytometry.	SPHT and SPHT-AgNPs induced a dose and time dependent inhibition of HCT15 and HT-29 cell proliferation. The IC50 values of SPHT on HCT15 and HT-29 were 4 µg/ml and 3 µg/ml respectively at 48 h, while for SPHT-AgNPs the IC50 values were 4 µg/ml and 3 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.	SPHT and SPHT-AgNPs exhibited potent antiproliferative and apoptotic effects on human colon cancer cell lines HCT15 and HT-29. SPHT-AgNPs showed higher cytotoxic activity compared to SPHT.	How would you rate this summary? ☆☆☆
Article Investigating the cytotoxicity of iron oxide nanoparticles in vivo and in vitro studies » Santosh Choudhary, Subhankar Ali Shukla, ... Mehmet Altugur Experimental and Toxicology Pathology - Volume 47, 2023 ... Export table (CSV)	Article In-vitro cell viability study	To evaluate the cytotoxicity of 200 and 400mg/kg modified and non-modified iron oxide nanosols on mouse fibroblast (3T3) cells	U251 mouse fibroblast cells, Dulbecco's modified Eagle Medium (DMEM, Gibco), Fetal Bovine Serum (FBS, Gibco), iron oxide nanosols	U251 cells were seeded in 96-well plates and exposed to 200 and 400mg/kg of modified and non-modified iron oxide nanosols for 24 hours. Cell viability was measured using the MTT assay.	Exposure to all concentrations of modified and non-modified nanosols significantly decreased cell viability compared to control. Increasing the concentration of non-modified nanosols from 200 to 400 µg/ml significantly increased cell mortality.	Modified nanosols had lower cytotoxicity compared to non-modified nanosols. The increase in cell viability with higher concentrations of non-modified nanosols may be due to the release of iron from the nanoparticles.	How would you rate this summary? ☆☆☆
	Article In-vitro cell cycle analysis	To investigate the effect of 200mg/kg modified iron oxide nanosols on cell cycle parameters of U251 cells	U251 mouse fibroblast cells, 200mg/kg modified iron oxide nanosols	U251 cells were exposed to 200mg/kg modified iron oxide nanosols for 24 hours. Cell cycle distribution was analyzed using flow cytometry.	Exposure to 200mg/kg modified nanosols increased cell proliferation and decreased cell size, with 44% of cells undergoing apoptosis (Ann-Arrest-PI). The G2/M phase increased by 63% while the S and G0/G1 phases decreased by 32% and 83%, respectively.	Exposure to 200mg/kg modified iron oxide nanosols induced apoptosis-related changes in cell morphology and a right decrease in the phase of the cell cycle, without significant effects on other cell cycle parameters.	How would you rate this summary? ☆☆☆
	Article In-vivo toxicity study	To evaluate the in-vivo effects of 200mg/kg modified iron oxide nanosols on liver and kidney function in Wistar rats	Wistar rats, 200mg/kg modified iron oxide nanosols, 0.9% saline	Wistar rats were randomly divided into an experimental group (grouped with 200mg/kg modified nanosols) and a control group (grouped with saline). Blood samples were collected at 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.	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.	A single intraperitoneal injection of 200mg/kg modified iron oxide nanosols did not induce significant toxicity to the liver and kidney in Wistar rats within 24 hours, despite the observed increase in serum iron levels.	How would you rate this summary? ☆☆☆



TITLE *	EXPERIMENT / STUDY	GOAL	MATERIALS
A review of different technologies to produce fuel from microalgal feedstock	Biochemical characterization of <i>Spirulina platensis</i>	To study the potential and suitability of <i>Spirulina platensis</i> for the extraction of biofuels (such as bioethanol, biodiesel, and bihydrogen), proteins, and specific bioactive chemicals like phycocyanin, among other components.	<i>Spirulina platensis</i> , solar radiation, nutrients, carbon dioxide
	Microalgae cultivation systems	To study the cultivation of microalgae in open pond systems and dosed-system photobioreactors.	Open pond systems, transparent materials like borosilicate glass, polyethylene (PE), polyvinyl chloride (PVC), and polymethyl methacrylate for photobioreactors
	Microalgae harvesting methods	To study the harvesting techniques for microalgae biomass separation from the culture medium.	Microalgae cells, flocculants, filters, centrifuges

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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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