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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 mobilis 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 (7)

Sources of Information

Recently Addressed: *Encyclopedia of Libraries, Librarianship, and Information Science* • 2025
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Artificial intelligence implementation strategies for Ghanaian academic libraries: A scoping review

Akenna Kwarteng-Dwivedi, Pooja Subramanian, ... Christian Vranakis Ntzioulas
The Journal of Academic Librarianship • 2024
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Children: Trends and issues in LIS Research

Search history
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 minimize human interaction in information services.

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? [☆](#) [☆](#) [☆](#)

ScienceDirect AI科研问



研究人员可以根据自己的问题，通过人工智能驱动的建议，获得更深入的见解。

^ 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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ScienceDirect AI科研问



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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 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:

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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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The effect of exploratory trademark strategy on corporate cash holdings

International Review of Financial Analysis, June 2025

Ying Zou, Jiansin Li, ... Min Li

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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 Zhong, Guiyi Zhu

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Compare experiments

AI-summarized research experiments or studies for:

corporate strategy

How it works

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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 Zhong, Guiyi Zhu Journal of Environmental Management • Volume 379 • 2025 Export data (CSV)	Empirical study on the relationship between GPP and corporate environmental investment strategies	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.	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.	1. Classify enterprises' corporate 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.	GPP significantly promotes enterprises' preventive environmental investments, but has no obvious effect on end-of-pipe treatment investments.	Enterprises obtaining green procurement orders tend to adopt a source prevention environmental investment strategy in response to increasing environmental pressure from GPP.
	Mechanism analysis on the role of the threat of procurement termination	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.	Data on whether enterprises obtained green procurement orders in the previous year but not in the current year, indicating termination of procurement relationship.	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 enterprise's preventive and treatment environmental investment.	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.	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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Article Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydroxybenzoate resolubly isolated from <i>Vitex negundo</i> . Leaves and its apoplastic effect on human colon cancer cell lines » Prabir Datta, Anubhav Chatterjee, ... Ashok Kumar Tharmannakurru European Journal of Medicinal Chemistry - Volume 84 - 2014 Export data CSV	Article Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydroxybenzoate (SPH) isolated from <i>Vitex negundo</i> . Leaves and its apoplastic effect on human colon cancer cell lines.	To synthesize and characterize silver nanoparticles (AgNPs) using crystal compound of sodium para-hydroxybenzoate (SPH) isolated from <i>Vitex negundo</i> . Leaves and its apoplastic effect on human colon cancer cell lines.	Sodium para-hydroxybenzoate (sodium para-hydroxybenzoate (SPH)), 1 mM silver nitrate (AgNO ₃) solution	5 ml of SPH (10 mg/ml) was added to 95 ml of 2 mM AgNO ₃ aqueous solution and incubated for 2 h at room temperature. Synthesis of SPH-AgNPs was confirmed by the existence of prominent peak at 400 nm and color change from colorless to dark brownish yellow. The in-vitro cytotoxicity of SPH-AgNPs was evaluated by monitoring the plasmonic absorbance (λ _{max}) and glucose hexokinase (G6P) in different temperatures (30, 40 and 50°C) and phosphate buffer solutions pH 4, 5, 6, 7, 8 and 9. The size, shape and morphology of SPH-AgNPs were characterized using TEM/EDS, EDS, DLS and zeta potential analysis. FTIR spectroscopy was used to examine the functional groups present in SPH and SPH-AgNPs.	The SPH-AgNPs were spherical in shape with a size range of 20-30 nm. The highest and carbonyl functional groups from SPH were responsible for the reduction and stabilization of AgNPs. The SPH-AgNPs exhibited high in-vitro cytotoxicity in different temperatures and pH conditions.	The SPH was an effective reducing, capping and capping agent in the synthesis of AgNPs. The SPH and SPH-AgNPs showed inhibitory effects on the proliferation of human colon cancer cell lines HCT15 and H1-29, and induced apoptosis and cell cycle arrest.	How would you rate this summary? ☆☆☆
Article Cell viability and apoptosis analysis Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » Soreh Ghavvounpour, Mohammad Ali Shokrgozar, ... Hafeez Alqahtani Experimental and Toxicologic Pathology - Volume 67 - 2015 Export data CSV	Article Cell viability and apoptosis analysis To evaluate the antiproliferative and apoptotic effects of SPH and SPH-AgNPs on human colon cancer cell lines HCT15 and H1-29.	To evaluate the antiproliferative and apoptotic effects of SPH and SPH-AgNPs on human colon cancer cell lines HCT15 and H1-29.	Human colon cancer cell lines HCT15 and H1-29, MTT reagent, Annexin V-FITC/PI apoptosis detection kit	The inhibitory effects of SPH and SPH-AgNPs on HCT15 and H1-29 cells were determined by MTT assay. The cells were treated with different concentrations of SPH and SPH-AgNPs (2, 4, 8, 16 and 32 µg/ml) for 24 and 48 h. The apoptosis induced by SPH and SPH-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.	SPH and SPH-AgNPs induced a dose and time dependent inhibition of HCT15 and H1-29 cell proliferation. The IC ₅₀ values of SPH on HCT15 and H1-29 were 4 µg/ml and 2 µg/ml respectively at 48 h, while for SPH-AgNPs the IC ₅₀ values were 2 µg/ml and 6 µg/ml respectively at 24 h. The Annexin V-FITC/PI staining showed that SPH-AgNPs induced a higher percentage of early and late apoptotic cells compared to SPH. The cell cycle analysis revealed that SPH and SPH-AgNPs induced cell cycle arrest in the G ₂ /M phase.	SPH and SPH-AgNPs exhibited potent antiproliferative and apoptotic effects on human colon cancer cell lines HCT15 and H1-29. SPH-AgNPs showed higher cytotoxic activity compared to SPH.	How would you rate this summary? ☆☆☆
Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » Soreh Ghavvounpour, Mohammad Ali Shokrgozar, ... Hafeez Alqahtani Experimental and Toxicologic Pathology - Volume 67 - 2015 Export data CSV	Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » To investigate the effect of 200mg/kg, modified iron oxide nanoparticles on cell cycle parameters of L5178Y cells	To evaluate the cytotoxicity of 200 and 400mg/kg, modified and non-modified iron oxide nanoparticles on mouse fibroblast L5178Y cells	L5178 mouse fibroblast cells, Dulbecco's modified Eagle medium (DMEM), Fetal Bovine Serum (FBS), iron oxide nanoparticles	L5178 cells were seeded in 96-well plates and exposed to 200 and 400mg/kg of modified and non-modified iron oxide nanoparticles for 24 hours. Cell viability was assessed using the MTT assay.	L5178 cells were seeded in 96-well plates and exposed to 200 and 400mg/kg of modified and non-modified iron oxide nanoparticles for 24 hours. Cell viability was assessed using the MTT assay.	Modified iron oxide nanoparticles had lower cytotoxicity compared to non-modified nanoparticles. The increase in cell viability with higher concentrations of non-modified nanoparticles was likely due to the release of iron from the nanoparticles.	How would you rate this summary? ☆☆☆
Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » Soreh Ghavvounpour, Mohammad Ali Shokrgozar, ... Hafeez Alqahtani Experimental and Toxicologic Pathology - Volume 67 - 2015 Export data CSV	Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » To investigate the effect of 200mg/kg, modified iron oxide nanoparticles on cell cycle parameters of L5178Y cells	To investigate the effect of 200mg/kg, modified iron oxide nanoparticles on cell cycle parameters of L5178Y cells	L5178 mouse fibroblast cells, 200mg/kg, modified iron oxide nanoparticles	L5178 cells were exposed to 200mg/kg, modified iron oxide nanoparticles for 24 hours. Cell cycle distribution was analyzed using flow cytometry.	L5178 cells were exposed to 200mg/kg, modified iron oxide nanoparticles for 24 hours. Cell cycle distribution was analyzed using flow cytometry.	Exposure to 200mg/kg, modified iron oxide nanoparticles induced autophagy-related changes in cell morphology and a slight decrease in the 1 phase of the cell cycle, without significant effects on other cell cycle parameters.	How would you rate this summary? ☆☆☆
Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » Soreh Ghavvounpour, Mohammad Ali Shokrgozar, ... Hafeez Alqahtani Experimental and Toxicologic Pathology - Volume 67 - 2015 Export data CSV	Article Investigating the cytotoxicity of iron oxide nanoparticles in its <i>in vivo</i> and <i>in vitro</i> studies » To investigate the effect of 200mg/kg, modified iron oxide nanoparticles on cell cycle parameters of L5178Y cells	To investigate the effect of 200mg/kg, modified iron oxide nanoparticles on cell cycle parameters of L5178Y cells	Wistar rats, 200mg/kg, modified iron oxide nanoparticles, 0.3% saline	Wistar rats were randomly divided into an experimental group injected with 200mg/kg, modified iron oxide nanoparticles and a control group injected with saline. Blood samples were collected at 1, 2, 4, 8, 16, 24 and 48 hours post-injection to measure liver enzymes (ALT, AST, ALP) and kidney function (BUN, creatinine). Histological analysis of the liver and kidney was also performed.	Wistar rats were randomly divided into an experimental group injected with 200mg/kg, modified iron oxide nanoparticles and a control group injected with saline. Blood samples were collected at 1, 2, 4, 8, 16, 24 and 48 hours post-injection to measure liver enzymes (ALT, AST, ALP) and kidney function (BUN, creatinine). 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 the control group. Histological analysis showed no changes in the morphology of the liver and kidney tissues.	How would you rate this summary? ☆☆☆