

Scopus AI - 更好的資訊，不 只是更多的資訊

Scopus AI 是一個直覺且智慧的研究解決方案，專門利用 Scopus 精心策劃的內容。

它結合了可信賴的內容與先進的人工智慧技術，幫助研究人員思考更大、行動更快、行動更有自信。



Advancing human progress together

探索。專注。前進。

回答複雜或開放式的問題

激發批判性思考

從鳥瞰視角了解研究環境

跨研究領域建立連結

識別新興研究主題與合作夥伴

深化對某個主題的理解

提供研究構思與規劃資訊



透過自然語言查詢簡化研究過程

Copilot 是完全透明的

– 您可以實時追蹤它所採取的每一步

我們強大的 **Copilot 搜尋工具** 支援自然語言搜尋

結合向量和關鍵字搜索，為您構建複雜的布林查詢

拆解和優化查詢以提升結果的特異性

Explore topics and discover relevant references since 2003 [How it works](#)

How can game theory be applied to corporate compliance programs?



How can game theory be applied to corporate compliance programs?

Hide Copilot steps ^

① Creating plan to answer your query

② Performing natural language search:

- Application of game theory in corporate compliance programs

③ Performing keyword search:

- ("game theory" OR "strategic interaction" OR "decision theory" OR "interactive decision making") AND ("corporate compliance" OR "business compliance" OR "regulatory compliance" OR "corporate governance") AND ("programs" OR "initiatives" OR "strategies" OR "policies")

④ Generating summary

從兩個帶有 Scopus 參考文獻的摘要 Summary 中進行選擇

易於理解的摘要為您的初始查詢提供簡潔的回應

擴展摘要 Expanded Summary 使用我們的專有技術來提供更多深度和觀點

Summary

Climate change poses a significant threat to coffee production, impacting both yields and quality [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) . Here's a breakdown of the specific threats:

Direct and Indirect Impacts:

- Reduction in suitable production areas, lower yields, increased frequency of extreme climate events, and greater incidence of pests and diseases are direct impacts of climate change on coffee production [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .
- Changes in rainfall patterns, temperature rise, and erratic weather negatively affect the volume and quality of coffee production [10](#) [11](#) [14](#) [9](#) .

Adaptation Strategies:

- Sustainable management practices, such as agroforestry and altering agrochemical inputs, can enhance the resilience of coffee production to climate change [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .
- Relocation of coffee plantations to more climatically suitable areas, irrigation, and diversification of coffee farms with trees are potential adaptation strategies [12](#) .

Vulnerability of Smallholder Farmers:

- Smallholder coffee farmers, who represent the majority of coffee producers, are highly vulnerable to the impact of climate change due to financial insecurity and limited access to adaptation measures [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .

In conclusion, the adverse effects of climate change on coffee production necessitate urgent implementation of adaptation strategies and policy interventions to support the resilience of coffee farmers and ensure the sustainability of coffee production [1](#) [10](#) [11](#) [12](#) [13](#) [14](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) .

References

- 1 Opportunities for enhancing the climate resilience of coffee production through improved crop, soil and water management
Bracken P., Burgess P.J., Girkin N.T.
Agroecology and Sustainable Food Systems 2023
- 2 Coffee in the crosshairs of climate change: agroforestry as abatis
Rice R.A.
Agroecology and Sustainable Food Systems 2018
- 3 Coffee and chocolate in danger
Gross M.
Current Biology 2014

[Show all 14 references](#)

Foundational documents

348 citations
A bitter cup: climate change profile of global production of Arabica and Robusta coffee
C., Bunn, Christian, P.R., Lidzarsch, Peter Roman, O., Ovalle-Rivera, Oriana, D., Kirschke, Dieter
Climatic Change 2015

Expanded summary

Based on the user's query, I will provide a summary that addresses the impact of climate change on coffee production, including its effects on yield and quality, the specific environmental factors affected, the economic implications, and sustainable agricultural practices to mitigate these impacts.

Impact of Climate Change on Coffee Production:

- Climate change poses a significant threat to coffee production, affecting both yields and quality [1](#) [2](#) [3](#) [4](#) [5](#) .
- Adverse environmental impacts include a reduction in suitable production areas, lower yields, increased intensity and frequency of extreme climate events, and a greater incidence of pests and diseases [1](#) [2](#) [3](#) .
- Changes in temperature, rainfall variability, and soil moisture are key environmental factors affected by climate change, leading to decreased coffee suitability areas, growth, yield, and increased pest and disease pressure [2](#) [4](#) [5](#) .

Economic Implications:

- The economic implications of climate change on the coffee industry are substantial, as coffee production

* Interface and functionality subject to change

繼續挖掘和探索

Scopus AI 會為每個查詢產生三個深入的問題 **Go deeper**，以幫助您深入分析並拓寬您的理解。

我們引入了對話式跟進 **follow-up questions**，因此您可以輕鬆提出自己的問題——非常適合檢查細節、完善思維或重新調整查詢重點。

Go deeper

- How does gender influence preferred coping strategies for workplace stress?
- How does gender influence the way individuals perceive and cope with workplace stress?
- What role does gender play in how individuals seek help for workplace stress?

Ask a follow-up question



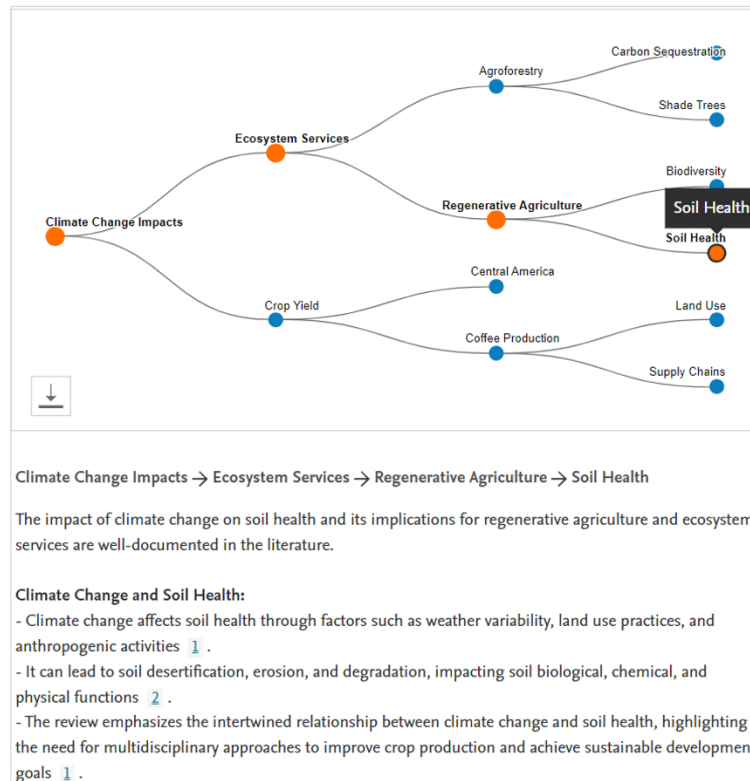
* Interface and functionality subject to change

透過概念圖 Concept Map 查看整體概況

一個與您所在領域有所連結的對您有所幫助的視覺化觀點

鳥瞰主題空間及其與其他研究領域的關係

點擊一個節點以發現它與您選擇的主題的關係



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發現開創性的作品和作者

Foundational documents 基礎文獻 向您展示用於撰寫您摘要Summary的文獻摘要最常引用的論文。

Scopus AI 利用 Scopus 中豐富的作者檔案來突出**主題專家Topic Experts**——所選領域中最活躍的作者。

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ELSEVIER

Foundational documents

189 citations

The ribosomal basis of diamond-blackfan anemia: Mutation and database update

I., Boria, Ilenia, E., Garelli, Emanuela, H.T., Gazda, Hanna T., (...), I., Dianzani, Irma

Human Mutation ↗ 2010

336 citations

Ribosomal Protein L5 and L11 Mutations Are Associated with Cleft Palate and Abnormal Thumbs in Diamond-Blackfan Anemia Patients

H.T., Gazda, Hanna T., M.R., Sheen, Mee Rie, A., Vlachos, Adrianna, (...), A.H., Beggs, Alan H.

American Journal of Human Genetics ↗ 2008

[Show more documents](#)

Topic Experts

Ramalho, José C. J.C.

3578 citations | 5 matching documents | 41 h-index

José C. Ramalho is an expert in the impact of climate change on coffee production, as evidenced by their research on the biochemical and molecular responses of coffee plants to supra-optimal temperatures and elevated CO₂, as well as their investigation into the effects of drought, warming, and high CO₂ on coffee in the context of future climate change scenarios.

Van Asten, Piet J.A. P.J.

2875 citations | 3 matching documents | 31 h-index

Piet J.A. Van Asten is an expert in the adaptation strategies of coffee production to climate change. Their work focuses on understanding the critical thresholds for global coffee production under climate change, the influence of vapour pressure deficit on coffee ripening, and the exploration of adaptation strategies for coffee production in the face of climate change using process-based models.

找到具有新興主題 Emerging Themes 的“金髮姑娘區”

即時掌握任何研究領域的格局

發現主題之間意想不到的聯繫

在新興 **Rising** 和新穎 **Novel** 的主題成為主流之前發現它們

Emerging themes Beta ^

Traditional and Non-Pharmacological Remedies for the Common Cold Consistent Theme

The consistent interest in traditional and non-pharmacological remedies for the common cold highlights a significant area of research. This theme encompasses a variety of approaches, including herbal treatments, traditional Chinese medicine, and other natural products. The consistent presence of this theme suggests a sustained interest in exploring alternative and complementary therapies for managing and potentially curing the common cold.

[Show references](#)

Potential Hypotheses:

- [Traditional herbal remedies can provide effective symptom relief and reduce the duration of the common cold](#)
- [Non-pharmacological treatments, such as dietary supplements and lifestyle changes, can enhance immune response and prevent common cold infections](#)

確認可以推動您的領域向前發展的空白區塊

Consistent theme: 在兩個 12 個月期間的覆蓋率相似。

Rising theme: 雖然覆蓋範圍相似，但該地區似乎正在增長。

Novel theme: 覆蓋率相對較低，即這是一個新主題，或者當前文獻對它的討論提及相對不足。

Sleep Biomarkers and Cognitive Decline Consistent Theme

The relationship between sleep biomarkers and cognitive decline has been a consistent area of research. Studies have focused on identifying reliable sleep parameters that predict cognitive decline and Alzheimer's disease. This theme is significant as it can lead to early detection and intervention strategies for neurodegenerative diseases.

[Show references](#)

Potential Hypotheses:

- [Specific sleep biomarkers can predict the onset of Alzheimer's disease years before clinical symptoms appear](#)
- [Interventions targeting sleep quality can delay the progression of cognitive decline in at-risk populations](#)

Disparities in Sleep and Cognitive Decline Rising Theme

Recent research has highlighted the disparities in sleep quality and cognitive decline among different racial and ethnic groups. This rising theme is critical for addressing health inequities and developing tailored interventions to improve sleep and cognitive health in diverse populations.

[Show references](#)

Potential Hypotheses:

- [Racial and ethnic disparities in sleep quality contribute significantly to differences in cognitive decline rates](#)
- [Culturally tailored sleep interventions can reduce cognitive decline disparities among minority populations](#)

Sleep Deprivation and Neuroelectrophysiological Changes Novel Theme

Recent studies have explored the neuroelectrophysiological changes associated with sleep deprivation, revealing its impact on cognitive flexibility and conflict monitoring processes. This novel theme is crucial for developing a deeper understanding of the neural mechanisms affected by sleep deprivation.

[Show references](#)

Potential Hypotheses:

- [Sleep deprivation-induced neuroelectrophysiological changes are reversible with targeted cognitive therapies](#)
- [Chronic sleep deprivation leads to permanent alterations in neuroelectrophysiological patterns associated with cognitive functions](#)

Deep Research 是一個代理 AI 工具，旨在模擬人類思維的各個方面。

Deep Research 獨立分解查詢並挖掘 Scopus 中經過同行評審的內容以尋找答案，解釋回應並根據需要調整其方法

調查結果 - 以及從中得出的見解 - 將呈現在一份細緻入微的參考報告中



您的搜尋方式您決定

以您選擇的語言輸入您的查詢

- 尋找更精細的精細度？您現在可以指示 Scopus AI 按以下方式篩選您的搜尋：
- 國家
- 時間範圍
- 文件類型
- 引用次數

輸入查詢時新增搜尋參數；例如：

“限制來自歐洲機構的綜述論文”

“專注於 2020-2024 年的研究，引用次數為 50+”

“僅包括會議論文”

深度研究Deep Research報告的剖析

完整參考文獻的主要
發現概覽

Key Findings Table

Theme	Key Insights	Supporting Citations
Real-Time Feedback Mechanisms	Adaptive feedback systems improve clinician-patient communication and diagnostic accuracy.	1 2 3 4 5
Clinician Workflow Integration	Seamless integration of AI tools enhances usability and adoption in remote diagnostics.	6 7 8 9 10
Accessibility	Universal design principles ensure inclusivity for users with sensory and motor impairments.	1 2 3
User Interface	Context-adaptive interfaces reduce cognitive load and	1 2 3

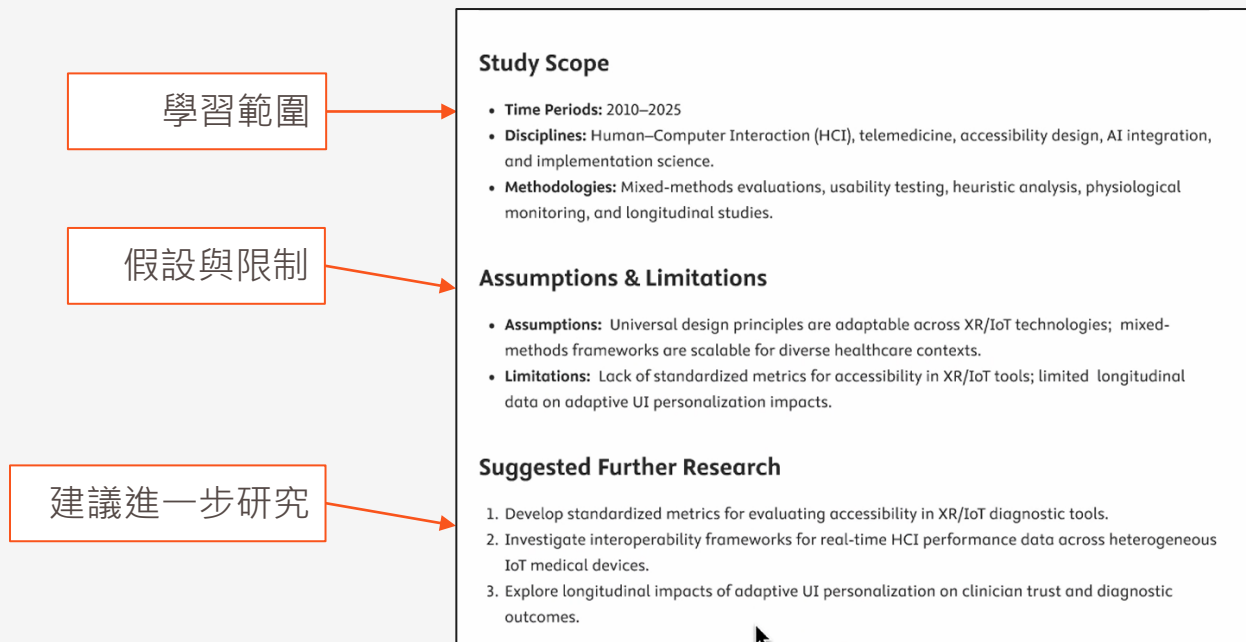
直接回答查詢的答案

Direct Answer

Innovative Research Questions:

1. How can multimodal real-time feedback systems (audio, visual, haptic) be optimized to reduce clinician cognitive load while improving diagnostic accuracy in remote settings?
2. What role do physiological indicators (e.g., heart rate variability, fNIRS) play in adapting HCI interventions to support clinician performance and reduce diagnostic errors?
3. How can universal design principles be operationalized in XR/IoT-based remote diagnostic tools to ensure accessibility for users with combined sensory and motor impairments?
4. How does longitudinal use of human-centered decision support systems impact clinician trust, habit formation, and patient adherence in remote care?

深度研究Deep Research報告的剖析



深度研究Deep Research報告的剖析

主體

Introduction

Context and Significance

Remote medical diagnostics have emerged as a cornerstone of modern healthcare, driven by advancements in telemedicine, IoT, and AI technologies. Human-Computer Interaction (HCI) plays a pivotal role in enhancing diagnostic accuracy, clinician workflows, and patient engagement. However, challenges such as cognitive overload, accessibility barriers, and workflow misalignment persist, necessitating innovative research and evaluation methodologies [1](#) [2](#) [3](#)

Scope and Objectives

This report explores innovative research questions and user study methodologies to improve HCI in remote medical diagnostics. Key areas include interface design, real-time feedback mechanisms, accessibility, and clinician workflow integration.

Innovative Research Questions in Human-Computer Interaction for Remote Medical Diagnostics

Novel HCI Challenges and Opportunities in Remote Diagnostics

- **Intelligent Interaction Methods:** How can adaptive multimodal feedback systems reduce cognitive load while enhancing diagnostic precision? [14](#) [15](#) [16](#)
- **AI and IoMT Integration:** What are the best practices for embedding AI-driven decision support tools into clinician workflows? [17](#) [18](#) [19](#)
- **Emerging Technologies:** How can XR and IoT technologies be leveraged to create immersive, accessible diagnostic environments? [20](#) [21](#)

Optimizing User Interface Design for Remote Diagnostic Systems

- **Context-Adaptive Interfaces:** How can dynamic GUIs tailored to clinical contexts improve usability and reduce errors? [22](#) [23](#)
- **Heuristic Evaluations:** What role do heuristic evaluations play in identifying critical usability issues in medical interfaces? [24](#) [25](#)

綜合段落

深度研究Deep Research報告的剖析

討論與未來研究方向

Discussion and Future Directions

Bridging Research and Clinical Practice

Human-centered design and stakeholder engagement are critical for translating HCI research into clinical workflows. Iterative co-design processes ensure tools align with clinician and patient needs [47](#) [48](#)

Leveraging Emerging Technologies

AI, IoT, and XR technologies offer transformative potential for remote diagnostics. Addressing challenges in privacy, interoperability, and accessibility will unlock their full capabilities [49](#) [50](#)

Advancing Evaluation Methodologies

Developing robust, scalable, and context-aware user study frameworks is essential for continuous improvement of remote diagnostic systems [51](#) [52](#)

Conclusion

Summary of Contributions

This report identifies innovative research questions and user study methodologies to advance HCI in remote medical diagnostics. Key areas include real-time feedback, accessibility, and workflow integration.

Recommendations for Researchers and Practitioners

1. Prioritize universal design principles in emerging technologies.
2. Employ mixed-methods frameworks for comprehensive usability evaluations.
3. Conduct longitudinal studies to assess sustained impacts on clinician trust and patient outcomes.

[Show all 52 references](#) [Download report](#)

Is this deep research report useful [Yes](#) [No](#)

結論和建議

書目資料匯出

References

Reference 1
Microplastics Waste and Its Eco-Friendly Management
Chandravanshi S., Sahu A., Lal J., (...),
Chandran S.
Advanced Strategies for Biodegradation of Plastic Polymers ↗
2024

Reference 2
Distribution and importance of microplastics in the marine environmentA review of the sources, fate, effects, and potential solutions
Auto H.S., Emenike C.U., Fauziah S.H.
Environment International ↗ 2017

Reference 3
Research and management of plastic pollution in coastal environments of China
Wang M.H., He Y., Sen B.
Environmental Pollution ↗ 2019

[Show all 16 references](#)

Reference 11 • 80 citations
Understanding microplastic pollution of marine ecosystem: a review ↗
Sharma, S. ↗, Bhardwaj, A. ↗, Thakur, M. ↗, Saini, A. ↗
Environmental Science and Pollution Research ↗ 2024

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- 純文字

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- EndNote (RIS)