

AI in search and education

۱۴۰۵



ابزار نگارش پایان نامه

Hyperwriteai.com

start.chatgot.io

jenni.aitypeset.io

start.chatgot.io

chat.lymsis.org

Academicgpt.com

App.inkey.ai

- نوشتن متن پروپوزال و پایان نامه و...

- نوشتن مبانی نظری پایان نامه:

- تحلیل و روش تحقیق پایان نامه:

- نوشتن چکیده و نتیجه گیری:

ابزار تولید محتوا و ارائه

- course creation assistant in iSpring Page

- **Ispring** سامانه طراحی دوره با هوش مصنوعی از طریق ispring

- تولید محتوای متنی، ویرایش محتوا، تحلیل محتوا، تولید و طراحی سوال

- **Nolej.io**

- متن، صوت، پی دی اف، ویدئو به نالج می دهیم و به هشت زبان تولید محتوا انجام می دهد.
زبان فارسی را پشتیبانی نمی کند.

- تهیه پاورپوینت، تهیه فیلم، طراحی بازی

ابزار هوش مصنوعی

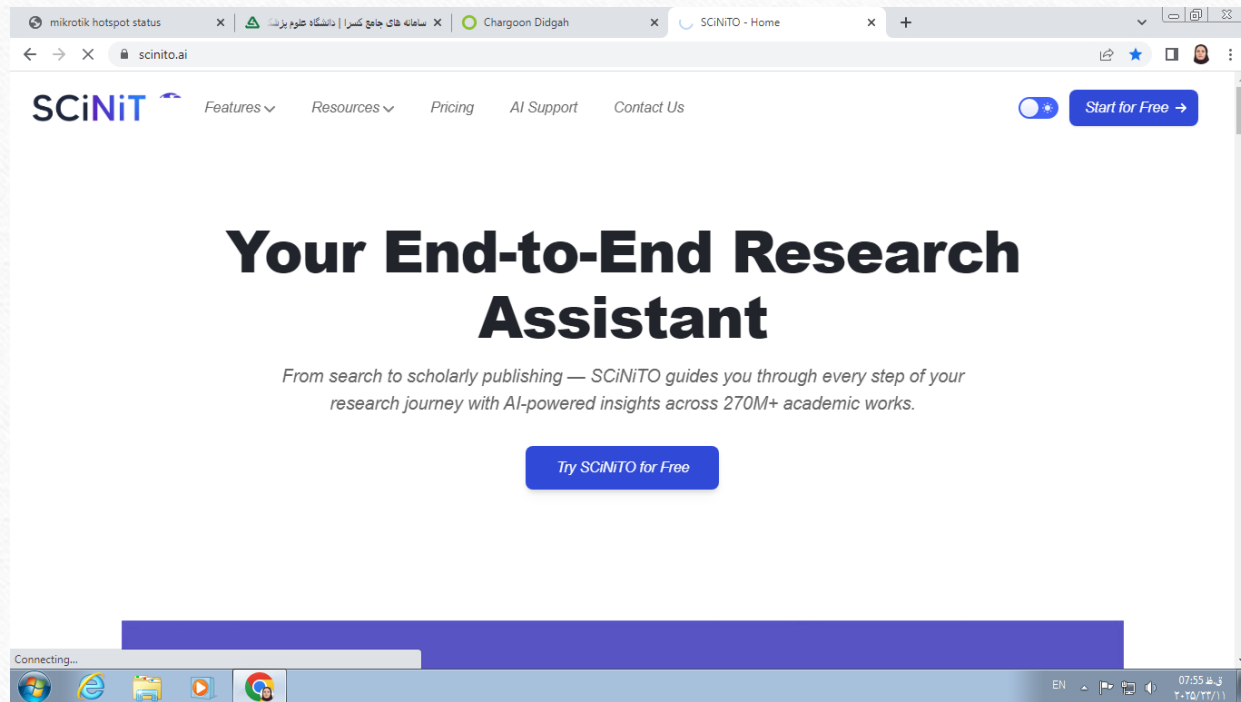
Gamma

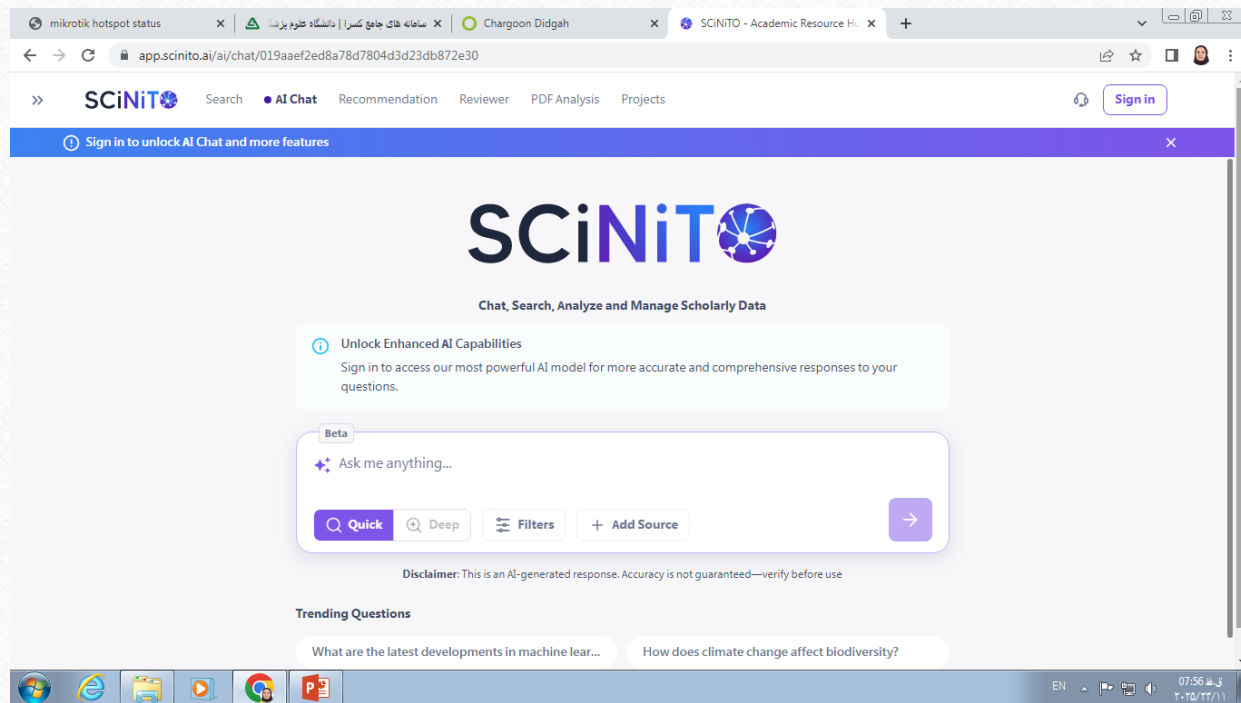
تہیہ پاورپوینٹ

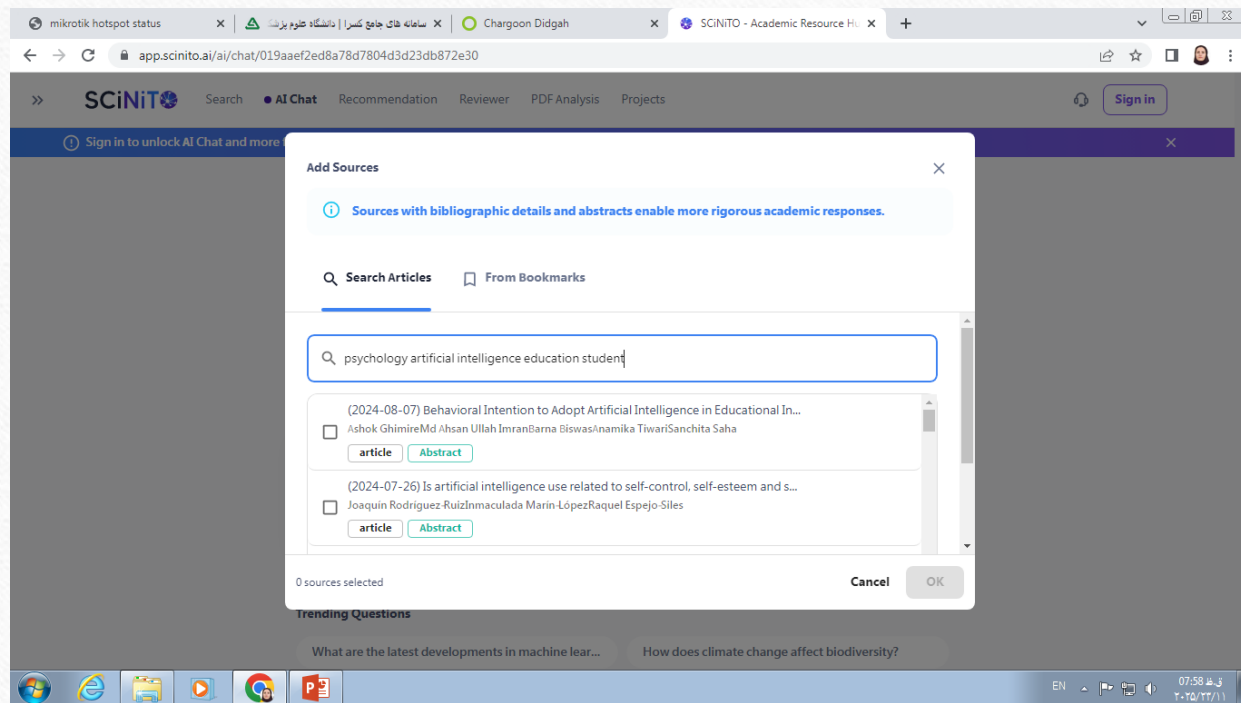
عکس

Gemini

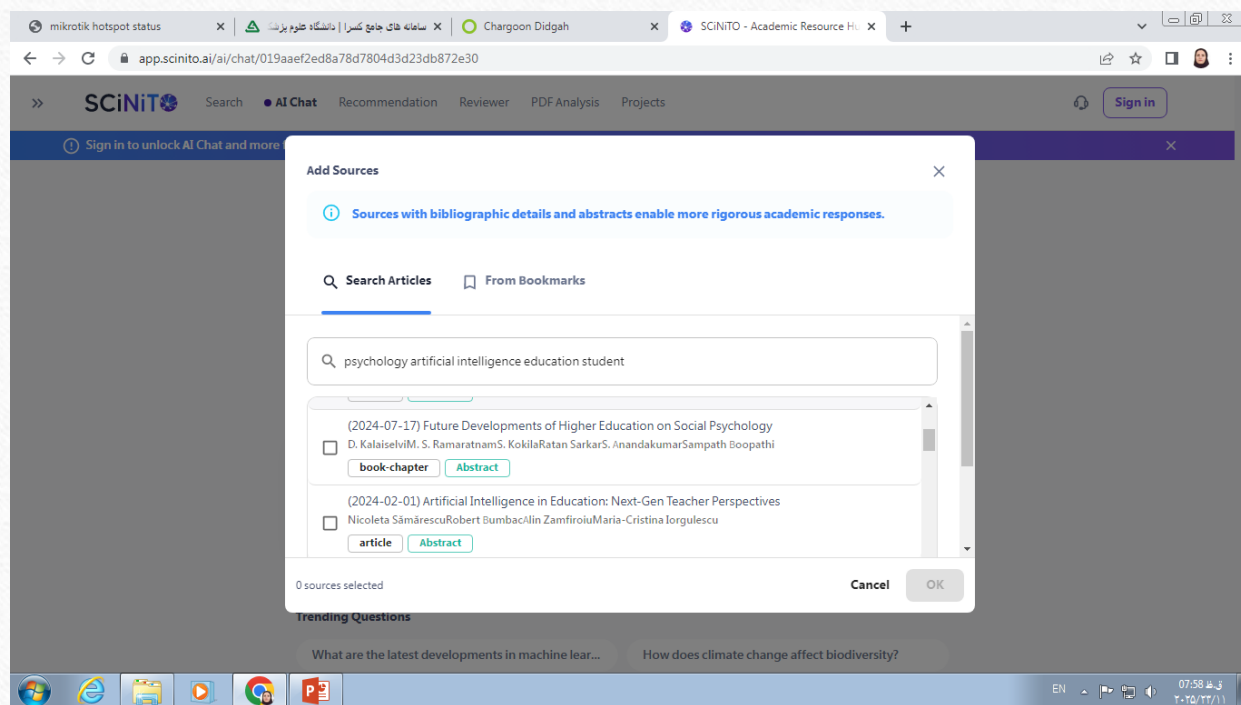
scinit



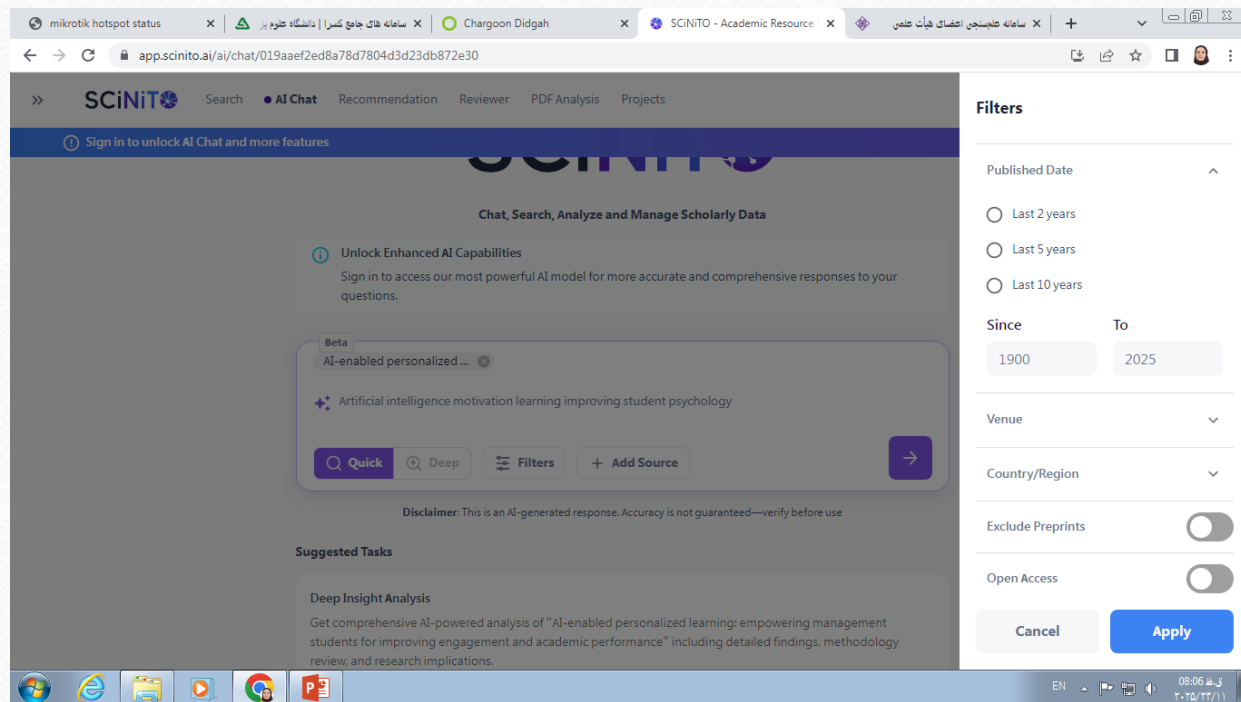




مبتنی بر مقاله یا کتاب



filter



answer

The screenshot shows a web browser window with multiple tabs. The active tab is titled "SCINITO - Academic Resource". The address bar shows the URL "app.scinito.ai/chat/019aaef2ed8a78d7804d3d23db872e30". A blue banner at the top of the chat interface says "Sign in to unlock AI Chat and more features". Below this, the chat title is "Artificial intelligence motivation learning improving student psychology". The chat content is titled "Answer" and includes a "Summary" section. The summary text states: "Artificial intelligence (AI) plays a transformative role in enhancing student motivation and psychological well-being in educational settings by enabling personalized learning experiences that align with self-determination theory (SDT) principles, such as autonomy, competence, and relatedness. These approaches foster intrinsic motivation, engagement, and improved academic performance, with additional benefits from gamification to make learning more interactive and rewarding. This synthesis draws from two key studies examining AI's integration in education and its psychological impacts." Below the summary, there are two main sections: "AI's Role in Personalized Learning and Student Motivation" and "Empirical analyses in management education contexts". The first section describes how AI-driven personalized learning (AIPL) tailors educational content to individual student needs, speeds, and preferences, thereby boosting motivation and psychological engagement. It mentions that AIPL supports autonomy by allowing students to control their learning paths, enhances competence through adaptive feedback, and promotes relatedness via interactive, supportive environments. The second section discusses empirical analyses showing that AIPL significantly improves student engagement and academic performance (AP), with autonomy emerging as a primary driver of these outcomes. It also mentions that path analysis models confirm AI's central role in mediating these relationships, demonstrating how personalized AI tools reshape educational dynamics to prioritize student psychology over rote instruction. For instance, AI algorithms can adjust difficulty levels in real-time, reinforcing a sense of achievement and intrinsic motivation, which aligns with SDT's emphasis on fulfilling basic psychological needs.

Summary

Artificial intelligence (AI) plays a transformative role in enhancing student motivation and psychological well-being in educational settings by enabling personalized learning experiences that align with self-determination theory (SDT) principles, such as autonomy, competence, and relatedness. These approaches foster intrinsic motivation, engagement, and improved academic performance, with additional benefits from gamification to make learning more interactive and rewarding. This synthesis draws from two key studies examining AI's integration in education and its psychological impacts.

AI's Role in Personalized Learning and Student Motivation

AI-driven personalized learning (AIPL) tailors educational content to individual student needs, speeds, and preferences, thereby boosting motivation and psychological engagement. Rooted in SDT, AIPL supports autonomy by allowing students to control their learning paths, enhances competence through adaptive feedback that builds skills, and promotes relatedness via interactive, supportive environments. This interdisciplinary approach combines AI technologies with psychological frameworks to create intrinsically motivating experiences, where students feel empowered rather than directed, leading to deeper learning and reduced psychological barriers like disinterest or frustration.

Empirical analyses in management education contexts show that AIPL significantly improves student engagement and academic performance (AP), with autonomy emerging as a primary driver of these outcomes. Path analysis models confirm AI's central role in mediating these relationships, demonstrating how personalized AI tools reshape educational dynamics to prioritize student psychology over rote instruction. For instance, AI algorithms can adjust difficulty levels in real-time, reinforcing a sense of achievement and intrinsic motivation, which aligns with SDT's emphasis on fulfilling basic psychological needs.

Answer with reference

The screenshot displays a web browser window with multiple tabs. The active tab is 'app.scinito.ai/chat/019aaef2ed8a78d7804d3d23db872e30'. The interface shows a chat window with a 'Summary' section. The summary text discusses the role of Artificial Intelligence (AI) in enhancing student motivation and psychological well-being in educational settings, mentioning self-determination theory (SDT) principles like autonomy, competence, and relatedness. It also mentions gamification and references two key studies. Below the summary, there is a section titled 'AI's Role in Personalized Learning and Student Motivation' which further elaborates on AI-driven personalized learning (AIPL) and its benefits. A reference box on the right side of the chat window provides details about the article: 'AI-enabled personalized learning: empowering management students for improving engagement and academic performance' by Vilakshan - XIMB Journal of Management, published in 2024, with a 2-Y Citation Average of 6.114. The reference box also includes the year, citations, references, and a DOI link. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 08:09 AM on 20/10/23.

Summary

Artificial intelligence (AI) plays a transformative role in enhancing student motivation and psychological well-being in educational settings by enabling personalized learning experiences that align with self-determination theory (SDT) principles, such as autonomy, competence, and relatedness. These approaches foster intrinsic motivation, engagement, and improved academic performance, with additional benefits from gamification to make learning more interactive and rewarding . This synthesis draws from two key studies examining AI's integration in education and its psychological impacts.

AI's Role in Personalized Learning and Student Motivation

AI-driven personalized learning (AIPL) tailors educational content to individual student needs, speeds, and preferences, thereby enhancing engagement. Rooted in SDT, AIPL supports autonomy by allowing students to control their learning paths, enhances competence by building skills, and promotes relatedness via interactive, supportive environments . This interdisciplinary approach combines various frameworks to create intrinsically motivating experiences, where students feel empowered rather than directed, leading to decreased barriers like disinterest or frustration .

Empirical analyses in management education contexts show that AIPL significantly improves student engagement and academic performance, emerging as a primary driver of these outcomes . Path analysis models confirm AI's central role in mediating these relationships, as AI tools reshape educational dynamics to prioritize student psychology over rote instruction . For instance, AI algorithms personalize learning paths, reinforcing a sense of achievement and intrinsic motivation, which aligns with SDT's emphasis on fulfilling basic psychological needs .

AI-enabled personalized learning: empowering management students for improving engagement and academic performance

Vilakshan - XIMB Journal of Management

Adil Ellikkal, S. Rajamohan

2024 article 2-Y Citation Average: 6.114 Publisher

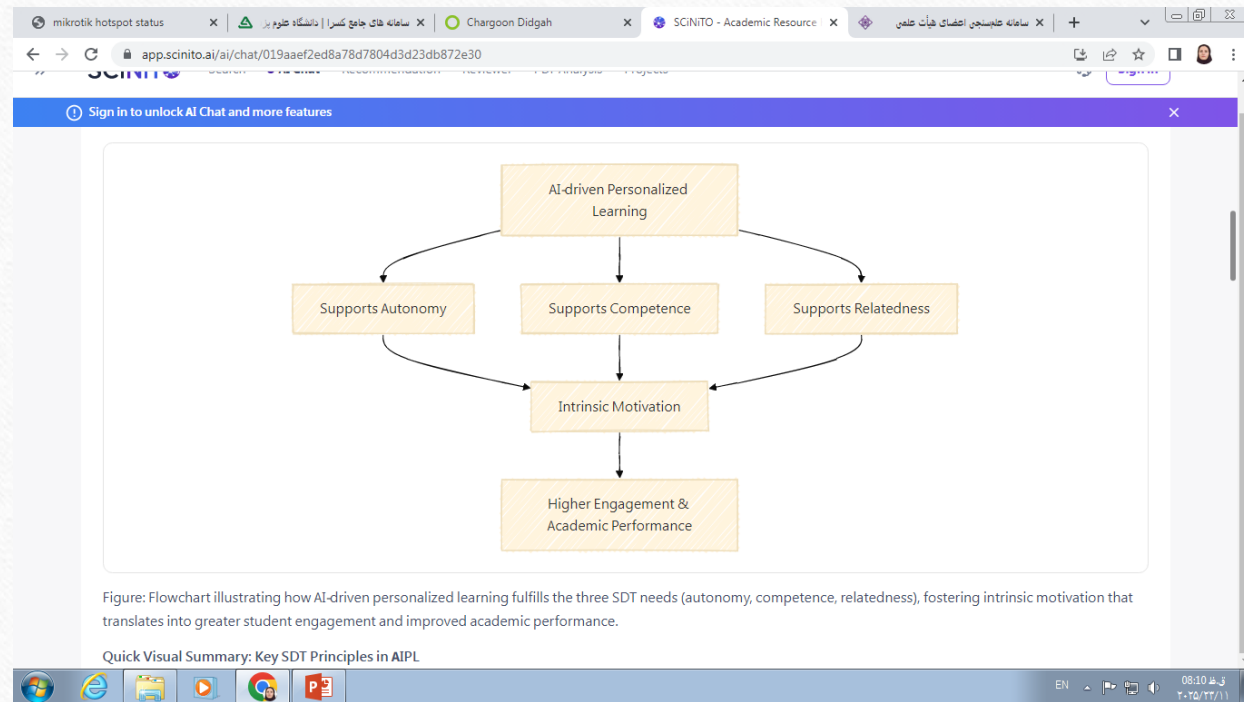
Year: 2024 Citations: 65 References: 55

URL: <https://doi.org/10.1108/njm-02-2024-0023> Publisher:

Click to view full article details

AI-driven Personalized Learning

Table flowchart figure



Summary table

Sign in to unlock AI Chat and more features

Higher Engagement & Academic Performance

Figure: Flowchart illustrating how AI-driven personalized learning fulfills the three SDT needs (autonomy, competence, relatedness), fostering intrinsic motivation that translates into greater student engagement and improved academic performance.

Quick Visual Summary: Key SDT Principles in AIPL

SDT PRINCIPLE	AI MECHANISM	PSYCHOLOGICAL IMPACT	OUTCOME ON LEARNING
Autonomy	Self-paced content selection	Empowers student choice, reduces external pressure	Higher intrinsic motivation and engagement
Competence	Adaptive feedback and skill-building exercises	Builds confidence through achievable challenges	Improved academic performance
Relatedness	Interactive, collaborative AI interfaces	Fosters connection and social support	Deeper emotional investment in learning

Integration of Gamification with AI for Enhanced Motivation

Combining AI with gamification further amplifies motivation by making learning engaging and psychologically rewarding. Gamification introduces elements like competition, cooperation, rewards, and progression systems, which transform traditional education into fun, game-like experiences that sustain student interest and deepen psychological involvement. AI enhances this by personalizing gamified content to match individual learning profiles, ensuring that motivational triggers are relevant and effective.

analyze student progress

mikrotik hotspot status | سامانه های جامع کشور | دانشگاه علوم پزشکی | Chargoon Didgah | SCINITO - Academic Resource | سامانه تخصصی اعضای هیأت علمی

app.scinito.ai/ai/chat/019aaef2ed8a78d7804d3d23db872e30

Sign in to unlock AI Chat and more features

In practical applications, such as corporate training exemplified by Vakif Participation Bank, AI-gamification hybrids improve internal communication, behavioral psychology, job performance, and employee training by leveraging rewards to encourage participation and self-reflection. This approach positively influences student (or trainee) psychology by increasing fun and relevance, countering motivational dips common in conventional methods. The synergy of AI's personalization and gamification's interactivity creates a more effective educational ecosystem, where psychological benefits like heightened motivation lead to better retention and performance.

Studies highlight that these combined methods go beyond traditional education, offering tailored experiences that address diverse psychological needs and promote long-term engagement. For example, AI can analyze student progress to dynamically adjust gamified challenges, reinforcing competence and relatedness while sustaining autonomy.

```
graph LR; A[AI Personalization Engine] --> B[Tailored Gamified Content]; B --> C[Game Elements  
Rewards, Competition,  
Progression]; C --> D[Increased Motivation &  
Engagement]; D --> E[Improved Learning  
Outcomes]; E --> F[Performance Data &  
Feedback]; F --> A;
```

Diagram: Feedback loop showing how AI personalizes gamified learning experiences, which boost motivation and engagement; the resulting performance data feeds back to the AI engine for continual adaptation, ultimately enhancing learning outcomes.

Connections and Comparisons Between Sources

Both sources emphasize AI's potential to revolutionize education through psychological lenses, but they differ in focus and application. Source provides a theoretical and empirical foundation in academic settings, using SDT to validate AIPI's impact on motivation and AP via data-driven path models. In contrast, Source

EN 08:35 ۲۰۲۵/۲۲/۱۱

Master Summary Table: Key Findings on AI, Motivation, Learning, and Student Psychology

Sign in to unlock AI Chat and more features

suggesting broader trends toward hybrid AI tools in education

Master Summary Table: Key Findings on AI, Motivation, Learning, and Student Psychology

THEME	CORE INSIGHTS	SUPPORTING EVIDENCE [CITATIONS]	IMPLICATIONS FOR EDUCATION
AI-Personalization	Tailors learning to individual needs, fulfilling SDT principles for intrinsic motivation	Autonomy drives AP; empirical validation	Empowers students, enhances engagement
Gamification Integration	Adds fun elements (rewards, competition) to AI for deeper psychological involvement	Improves behavior, performance in training	Makes learning sustainable and enjoyable
Psychological Impacts	Boosts autonomy, competence, relatedness; counters disengagement	Path models show AI mediation; behavioral changes	Improves mental well-being and motivation
Overall Educational Outcomes	Higher engagement, AP, and motivation through innovative, tech-driven methods	Transformative in academic and professional settings	Guides policymakers toward AI adoption
Research Gaps/Trends	Interdisciplinary synthesis needed; more empirical studies on hybrids	Original insights from SDT-AI fusion; organizational examples	Future focus on scalable, personalized tools

References

sources

mikrotik hotspot status | سامانه های جامع کشور | دانشگاه علوم پزشکی | Chargoos Didgah | SCINITO - Academic Resource | سامانه تشخیص اعضای هیأت علمی

app.scinito.ai/ai/chat/019aaef2ed8a78d7804d3d23db872e30

Sign in to unlock AI Chat and more features

performance: *Journal of Management Development*. <https://doi.org/10.1108/xjm-02-2024-0023>

2. Erbaşı, Z., Tural, B., & Çoşkun, İ. (2023). The role and potential of artificial intelligence and gamification in education: The example of Vakıf Participation Bank. *Open Journal of Research and Development*, 3(1). <https://doi.org/10.56038/oprd.v3i1.329>

Make Project Search Copy Filters (1)

Sources

1 AI-enabled personalized learning: empowering management students for improving...

Vilakshan – XIMB Journal of Management

2-Y Citation Average: 6.114 2024 article

Citations: 65 References: 55

2 The Role and Potential of Artificial Intelligence and Gamification in Education: The Example ...

Orclever Proceedings of Research and Development

2-Y Citation Average: 0.530 2023 article

Citations: 10 References: 7

Beta

AI-enabled personalized ... The Role and Potential of...

EN 08:37 ۲۰۲۵/۲۲/۱۱

share

8d7804d3d23db872e30

Recommendation Reviewer PDF Analysis Projects

Sign in

Sign in

Share

Share Chat

Create New Link

Manage Links

Create a shareable link for this chat conversation.

Anyone with the link will be able to view this conversation.

Link Expiration

No expiration

Create shareable link

Share Chat

Create New Link

Manage Links

Create a shareable link for this chat conversation.

Anyone with the link will be able to view this conversation.

Link Expiration

90 days

No expiration

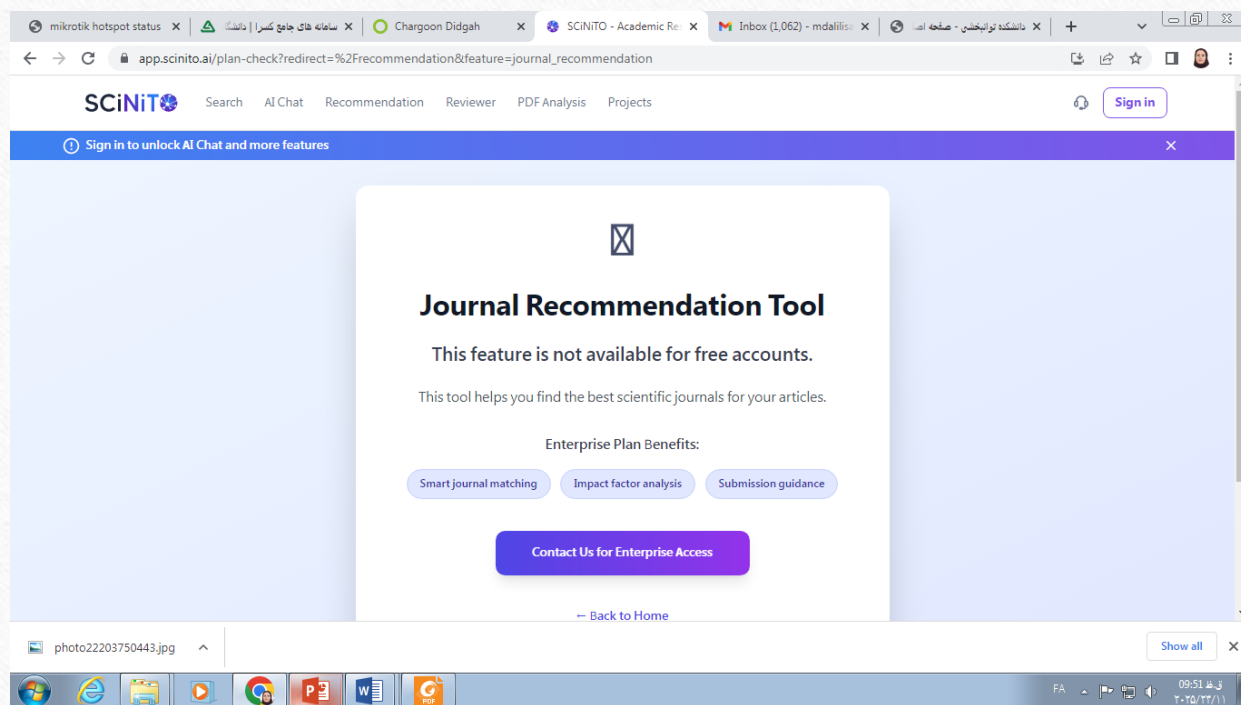
1 day

7 days

30 days

90 days

Journal Recommendation Tool



Article Review Tool



Article Review Tool

This feature is not available for free accounts.

This tool helps you intelligently analyze your articles and receive scientific feedback for improvement.

Enterprise Plan Benefits:

AI-powered feedback

Scientific analysis

Improvement suggestions

Contact Us for Enterprise Access

PDF Analysis Tool



PDF Analysis Tool

This feature is not available for free accounts.

This tool helps you extract and analyze content from PDF documents.

Enterprise Plan Benefits:

Content extraction

Document analysis

Data insights

Contact Us for Enterprise Access

search

The screenshot displays the SCiNITO search application interface. The browser's address bar shows the URL `app.scinito.ai/search`. The page header includes the SCiNITO logo and navigation links for Search, AI Chat, Recommendation, Reviewer, PDF Analysis, and Projects. A 'Sign in' button is located in the top right corner.

The main content area is titled 'Search' and features a search bar with the text 'Search around 270,000,000 papers from all fields'. To the right of the search bar are buttons for 'Advanced' and 'Search'. Below the search bar, the results are sorted by 'Relevance'.

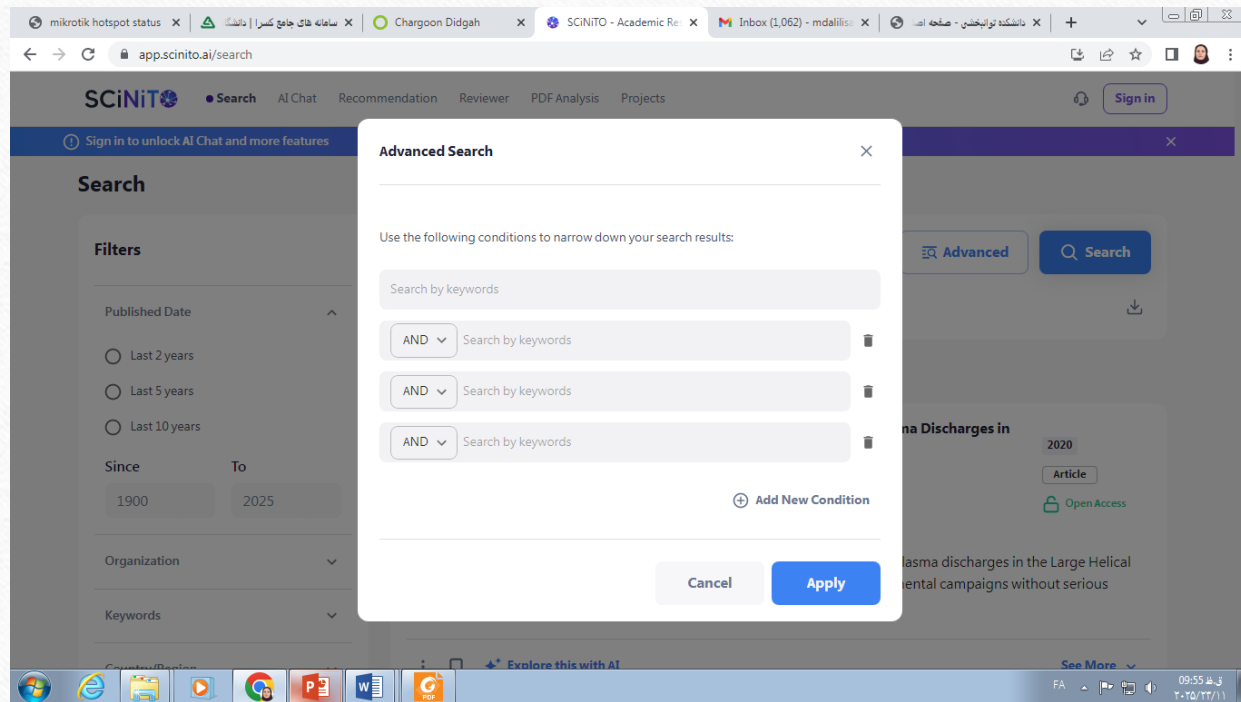
On the left side, there is a 'Filters' panel with the following options:

- Published Date:** Radio buttons for 'Last 2 years', 'Last 5 years', and 'Last 10 years'.
- Since To:** A date range selector with '1900' and '2025'.
- Organization:** A dropdown menu.
- Keywords:** A dropdown menu.
- Country/Region:** A dropdown menu.

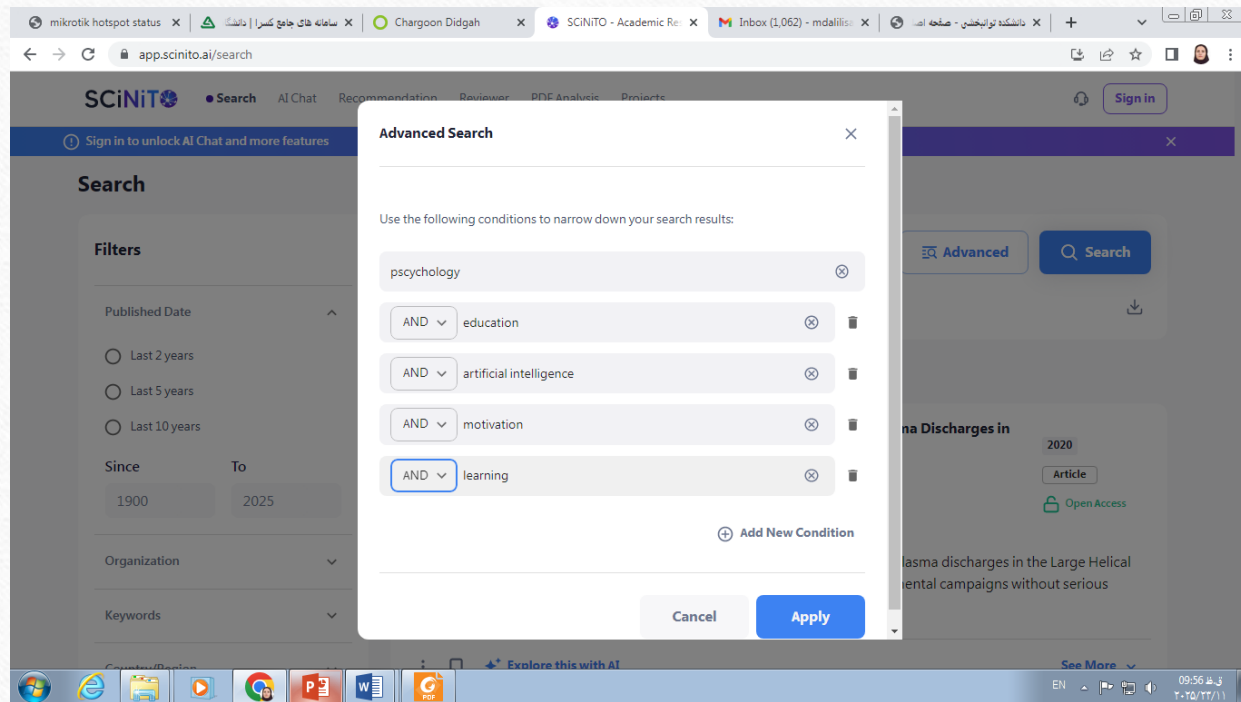
The search results section shows 'Showing 271,320,700 results'. The first result is titled 'Radiation Resistant Camera System for Monitoring Deuterium Plasma Discharges in the Large Helical Device' (2020), categorized as 'Article' and 'Open Access'. The author is 'Mamoru SHOJI'. The abstract states: 'Radiation resistant camera system was constructed for monitoring deuterium plasma discharges in the Large Helical Device (LHD). This system has contributed to safe operation during two experimental campaigns without serious problems due to radiation ...'. Below the abstract are icons for 'Explore this with AI' and a 'See More' link.

The Windows taskbar at the bottom shows various application icons, including the Start menu, File Explorer, Google Chrome, Microsoft Word, and a PDF viewer. The system clock indicates the time is 09:54 on 2020/11/11.

Advanced search



Advanced search





A comprehensive approach to the development of thinking skills

1995



Koers - Bulletin for Christian Scholarship

Article



G. J. Rossouw, J. C. Lamprecht



Open Access

The development of independent and innovative thinking entails much more than merely the acquisition of a series of thinking skills. A comprehensive approach based upon inter-disciplinary cooperation between, among others, the disciplines of philosop...



NOVEL JOKOWI SI TUKANG KAYU KARYA GATOTKOCO SUROSO SEBAGAI MATERI AJAR APRESIASI SASTRA DI SMA: KAJIAN PSIKOLOGI SASTRA DAN NILAI KARAKTER

2018



Basastra Jurnal Bahasa Sastra dan Pengajarannya

Article



Inung Handarini, Kundharu Saddhono, Atikah Anindyarini



Open Access

The purpose of this research is to describe and explain: (1) the characterization of the figures in the novel Jokowi Si Tukang Kayu by Gatotkoco Suroso, (2) the inner conflict experienced by the main figure, (3)...

https://ask.orkg.org/

The screenshot shows the ORKG Ask website in a web browser. The browser's address bar displays 'ask.orkg.org'. The website's header includes the ORKG Ask logo, navigation links for 'Search', 'My library', and 'ORKG', a language selector set to 'English', and a 'Sign in' button. The main content area features the ORKG Ask logo and the tagline 'Find research you are *actually* looking for'. Below this is a large search input field with the placeholder text 'Ask your question...'. To the right of the search field, it indicates '77,368,4 Items with abstracts'. A cookie consent banner is visible at the bottom right, stating 'We use cookies to provide a better user experience.' with 'Accept' and 'Data Protection' options. The bottom of the browser window shows a Windows taskbar with various application icons and a system clock displaying '10:32' and the date '۲۰۲۴/۰۲/۲۴'.

Chargoon x Internet hot x SCINITO - F x grok ai - ی x Anara | AI y x Integrating x https://worl x Eitaa Web x ORKG Ask x

ask.orkg.org

ORKG Ask

Search My library ORKG NFDI

English Sign in

ORKG Ask

Find research you are *actually* looking for

Ask your question...

ORKG Ask is a scholarly search and exploration system powered by **Vector Search, Large Language Models** and **Knowledge Graphs**. [Learn more](#).

77,368,4 Items with abstracts

We use cookies to provide a better user experience.

Data Protection Accept

Getting started

- How do educational policies influence student engagement and academic

نگارش پیشینه

https://anara.com/

Chargoon x Internet hoi x SCINITO x grok ai x Anara | AI x Integrating x https://wori x Eitaa Web x ORKG Ask x

anara.com

Anara

Use cases v Resources v Pricing Careers Contact sales

Log inGet Anara free

Table 1: **Comparison of Different Attention Variants.** Comparison of different Self-Attention mechanisms. n denotes sequence length, d_h represents head dimension, w is window size, d_c is compressed dimension, B is compression block size, and k is the number of selected blocks. Complexities focus on attention weight computation and memory requirements.

MECHANISM	COMP. COMPLEXITY	MEM. COMPLEXITY	MASK SPARSITY	WEIGHT SPARSITY
Multi Head Attention	$O(n^2 d_h)$	$O(n^2)$	Static	Dense
Sliding Window Attention	$O(n w d_h)$	$O(n w)$	Position-aware	Position-aware
Multi Head Latent Attention	$O(n^2 d_c)$	$O(n^2)$	Static	Low-rank Approx
Native Sparse Attention	$O(n^2 d_c / B + n k B d_h + n w d_h)$	$O(n^2 / B + n k B)$	Hybrid	Content-adaptive
Dynamic Mask Attention	$O(n w d_h)$	$O(n w)$	Content-aware	Position-aware

Key Challenges. To address these limitations, efficient and effective sparse attention mechanisms must simultaneously address two key challenges: **utilizing self-attention sparsity for necessary computation** (Child et al. 2019) and **utilizing long-context sparsity for selective computation** (Z. Dai et al. 2019). These two requirements are crucial for achieving efficient and effective long-context inference and training in practical applications. Considering both aspects, existing methods still have limitations, often facing fundamental trade-offs between efficiency and effectiveness. For example, modern language modeling has two mainstream models: state space models (Gu and Dao 2023) achieve linear computational complexity by compressing historical information into a fixed-size state, but struggle to recall specific information from the distant past accurately; while Transformers (Vaswani et al. 2017) maintain a complete key-value cache for all past tokens, allowing precise retrieval of dependencies between any token pairs, but at the cost of $O(n^2)$ computational and memory complexity. This contradiction underscores the pressing need to develop attention mechanisms that preserve information integrity while achieving computational efficiency.

and how does this paper propose to address them?

Read Trainable Dynamic Routing

Transformer Model Concepts

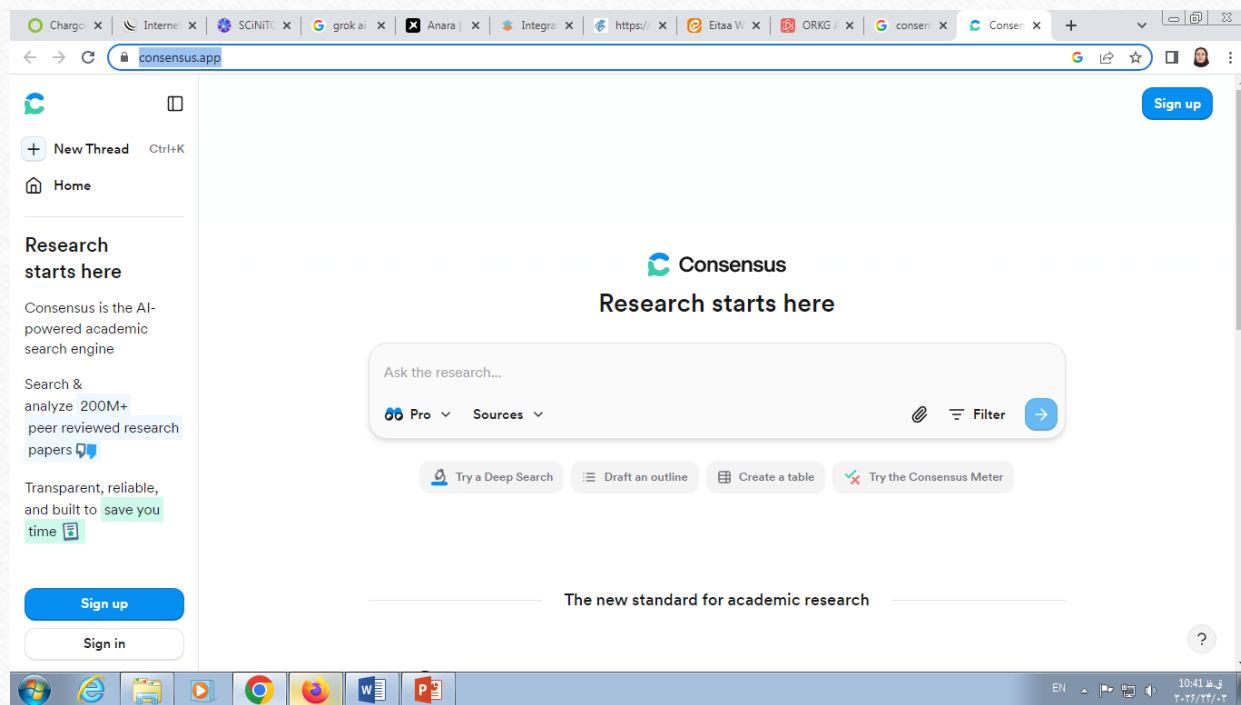
Ask this folder a question...

MentionGPT 5

2

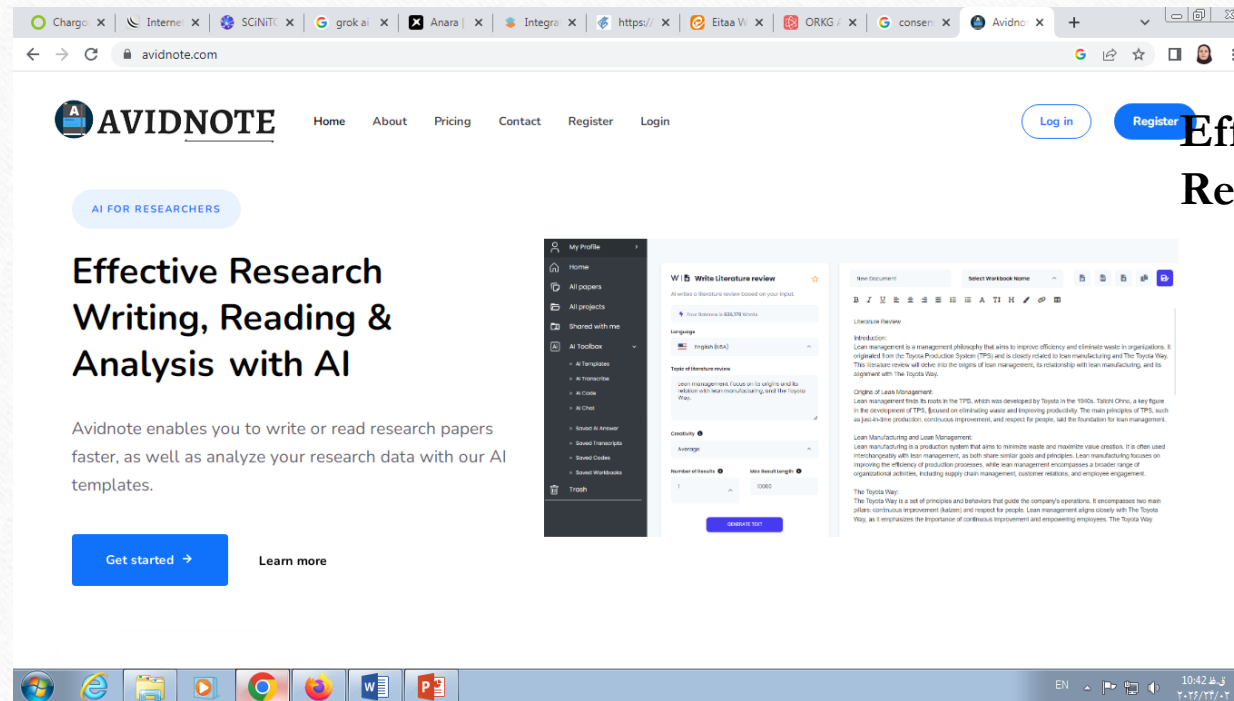
EN 10:36 ۳/۳/۲۲

https://consensus.app/



نگارش مقاله

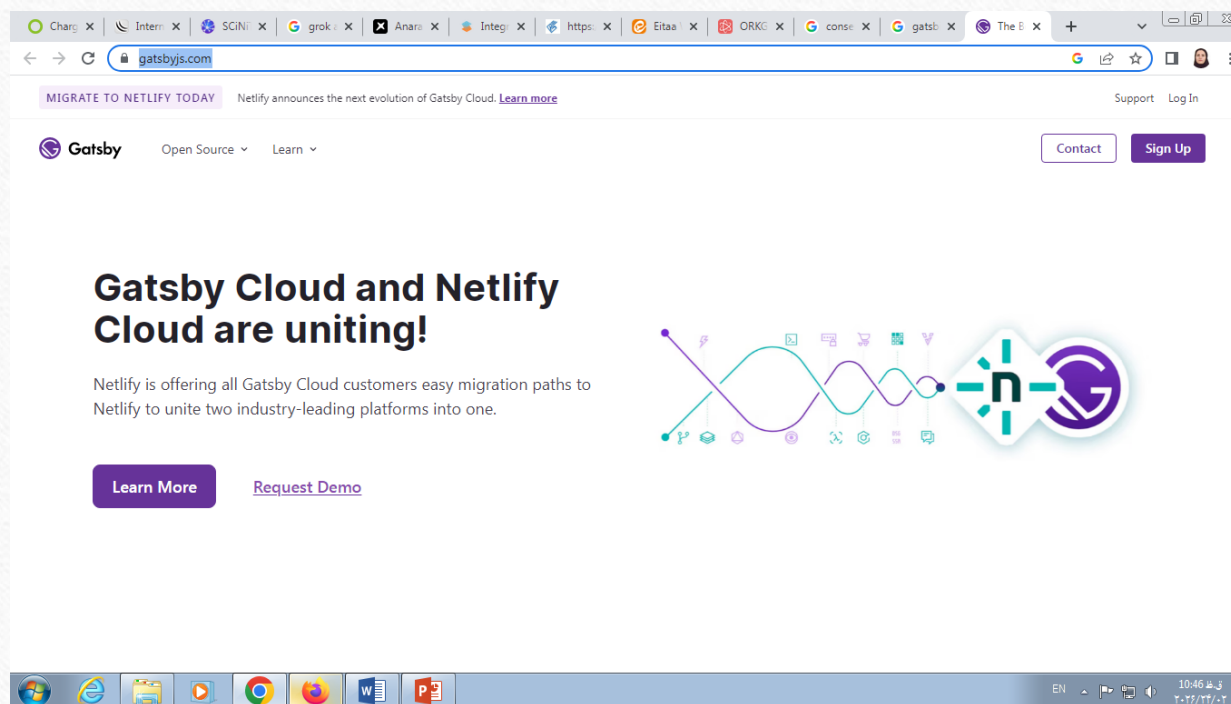
https://avidnote.com/



Effective Research Writing,
Reading & Analysis with AI

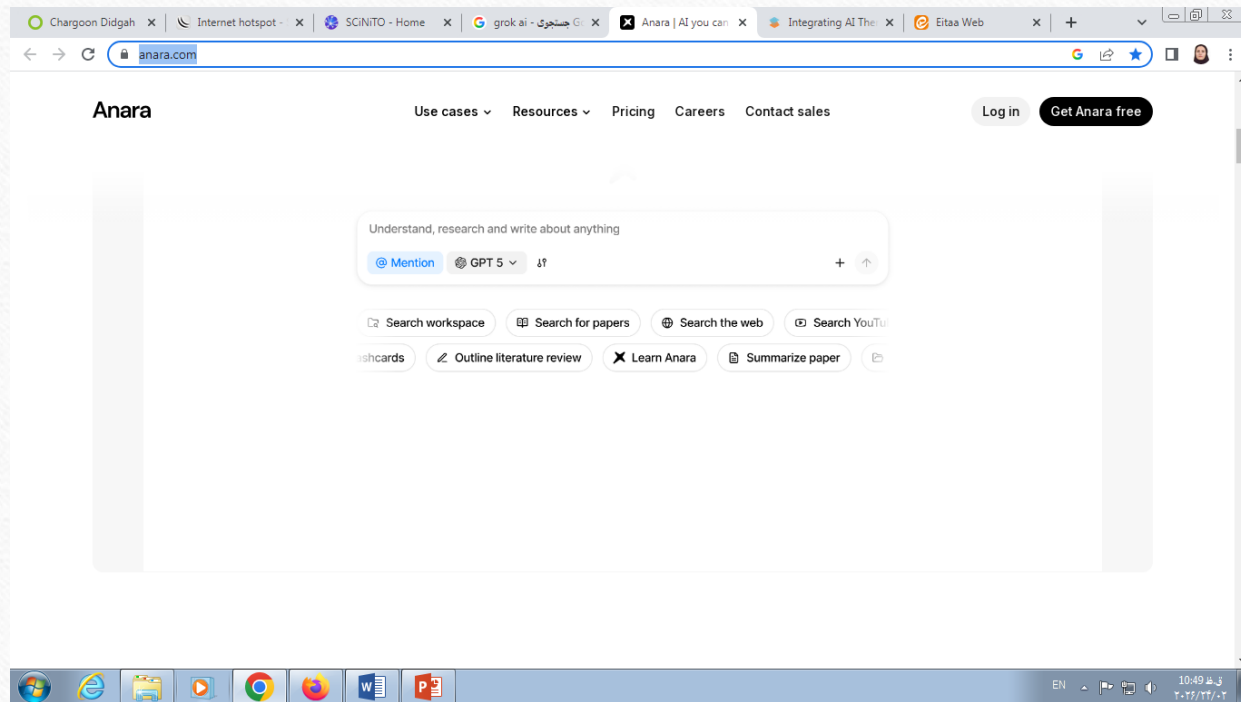
انتخاب عنوان پایان نامه و
موضوع تحقیق

https://www.gatsbyjs.com/



پیدا کردن ایده

https://anara.com/



تبدیل متن به گفتار

<https://www.speechmatics.com/> •

دو افزونه ضروری برای پژوهشگران پزشکی

2 EasyPubMed

ارتقای قدرتمند PubMed برای جستجوی
حرفه‌ای مقالات
نمایش Impact Factor و Quartile
مشاهده Abstract کامل
دانلود PDF
مدیریت و ترجمه مقالات
فیلتر مقالات با کیفیت

1 Rapid Journal Quality Check

نمایش سریع کیفیت ژورنال‌ها در Google Scholar

Q1 تا Q4

H-Index

SJR

رتبه‌بندی مجلات

پرامپت برای ویراستاری مقالات علمی قبل از ارسال به مجله

- ابتدا مقاله خود را آپلود کنید، سپس پرامپت زیر را اجرا کنید. بهتره از هوش مصنوعی جمناي برای این منظور استفاده کنید.

- لطفاً متن زیر را مثل یک ویراستار آکادمیک بررسی کن.

- - همه خطاهای گرامری، املايي، نشانه‌گذاری و نگارشی را پیدا کن.

- - جملات مبهم، طولانی، غیرروان یا غیرآکادمیک را مشخص کن.

- - مشکلات ساختاری، تکرار، ناهماهنگی مفهومی و ضعف انسجام را گزارش کن.

- - فقط فهرست مشکلات را بده و هنوز متن را بازنبسی نکن.

