

AI בשירות האקדמיה

ענבל צרפתי-ברעד



היחידה לקידום איכות ההוראה והלמידה
אוניברסיטת בן-גוריון בנגב

AI for Dummies.....



טכנולוגיות שונות ← משימות שונות
האם הכלי/טכנולוגיה מתאים למשימה?

Text-to-Image



Text-to-Image

תמונה



Stable
Diffusion

טקסט

1950's superhero teacher
comics style, orange

האם זה טקסט?

Text-to-Text

תשובה



ChatGPT



תשובה



can you explain what is balancing chemical equations?

Share Prompt



Balancing a chemical equation is the process of adjusting the coefficients (numbers in front of each molecule or compound) in the equation to ensure that the same number of atoms of each element is present on both the reactant and product sides of the equation.

Share Prompt

A chemical equation represents a chemical reaction, where reactants are transformed into products. The reactants are written on the left-hand side of the equation, while the products are written on the right-hand side. The equation must be balanced to satisfy the Law of Conservation of Mass, which states that the total mass of the reactants must be equal to the total mass of the products.

Regenerate response

ChatGPT – מה לא?

טקסט



ChatGPT



טקסט



can you balance the equation $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$



Yes, I can balance the chemical equation $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$ as follows:



תגובה מאוד מאוד מוכרת...

This balanced equation shows that one molecule of methane (CH_4) reacts with two molecules of oxygen (O_2) to produce one molecule of carbon dioxide (CO_2) and two molecules of water (H_2O). This equation satisfies the Law of Conservation of Mass, as the number of atoms of each element is the same on both the reactant and product sides of the equation.

ChatGPT – מה לא?

טקסט



ChatGPT



טקסט



can you balance the equation $C_3H_7O_2 + O_2 \rightarrow CO_2 + H_2O$



Yes, I can balance the chemical equation



This balanced equation shows that one five molecules of oxygen (O₂) to produce molecules of water (H₂O). This equation number of atoms of each element is the equation.

Input interpretation



Balanced equation



WolframAlpha computational intelligence.

ChatGPT – מה זה מספר?

טקסט



ChatGPT



טקסט



can you please count to 10?



Of course! Here's the count to 10:

- 1
- 2
- 3
- 4
- 5
- 6
- 7

ChatGPT – מה זה מספר?

טקסט



ChatGPT



טקסט



can you please count the number of e in this sentence?



that doesn't seem right can you please try again?



I apologize for the mistake in my previous response. Please allow me to count the number of "e" in your sentence again:

"There are four "e" letters in the sentence."

I hope this count is correct

המערכת מסיקה באופן נכון שצריך להיות מספר. אבל היא לא יודעת לספור ולהגיד מה הערך הנכון

ChatGPT – מה זה רפרנס?

טקסט

ChatGPT

טקסט

Overall, cognitive load theory remains a prominent and active area of research in educational psychology, with applications, and limitations.

References:

- de Koning, B. B., & van de **learning in the digital age**
- van Gog, & Paas, F. (2008). connections between practice. Educational
- Chen, O., Lu, Y., & Liu. digital learning. Educ

חיפוש ברקוד קריטריוני חיפוש

חפש

Cognitive load theory and multimedia learning in the digital age בכותר עם הביטוי המדויק ← כל שדה עם מילות החיפוש AND

הכנסו לחשבון לקבלת ה

המערכת מבינה איך רפרנס צריך להראות (כותב, שנה, כותרת וכו...), אבל לא יודעת מה זה מאמר. היא ממציאה ערכים שנראים הגיוניים, אבל לא קיימים. לא נמצאו תוצאות המתאימות לחיפוש שלכם "Cognitive load theory and multimedia learning in the digital age".

מה אפשר לעשות עם צ'אטGPT?



אל תעשו...

- חיפוש מידע עדכני
- חיפוש רפרנסים אקדמיים (!!!)
- העברת מידע לא וודאי / לא מאומת הלאה
- העברת מידע לא אחראי / פוגעני הלאה
- משימה שאי אפשר לתקף בעצמך

עשו...

- ניסוחים/תבניות (למשל - בסיס ל-CV, מכתבי המלצה, סילבוס)
- סיעור מוחין
- תרגום לשפה - בערבון מוגבל מאוד
- תרגום לקוד - הרצה ובדיקת התוצאות
- כתיבה יצירתית

Text-to-References

רשימת
מאמרים

Semantic Scholar,
Elicit

טקסט

SEMANTIC SCHOLAR new information of cognitive load theory

About 12,900 results for "new information of cognitive load theory"

Fields of Study ▾ Date Range ▾ Has PDF Author ▾ Journals & Conferences ▾

THE BLENDED LEARNING MODEL FROM THE PERSPECTIVE OF COGNITIVE LOAD THEORY
E. V. Evenko, O. Glivenkova, O. Morozova · Education · Vestnik Majkopskogo Gosudarstvennogo... · 2022
Blended learning model is based on **cognitive load theory**, which consists of three types: intrinsic, extraneous and germane and is connected to the working memory. Blended learning has recently become... [Expand](#)

View via Publisher Save Alert Cite

Explicit Instruction and Executive Functioning Capacity: A New Direction in Cognitive Load Theory
N. R. Siregar · Psychology · Journal of Education · 29 July 2021
Explicit instruction is a teaching strategy that aims to avoid **cognitive** overload experienced by students

Text-to-References

רשימת
מאמרים

Semantic Scholar,
Elicit

טקסט

The screenshot displays the Elicit search interface. At the top, the search bar contains the query "what new information do we have about cognitive load theory". The interface includes navigation links for "FAQ", "Tasks", and "Starred". On the left, a sidebar titled "Add information about all papers" lists various filters, with "Abstract summary" selected. The main content area shows a table of search results with columns for "Paper title" and "Abstract summary".

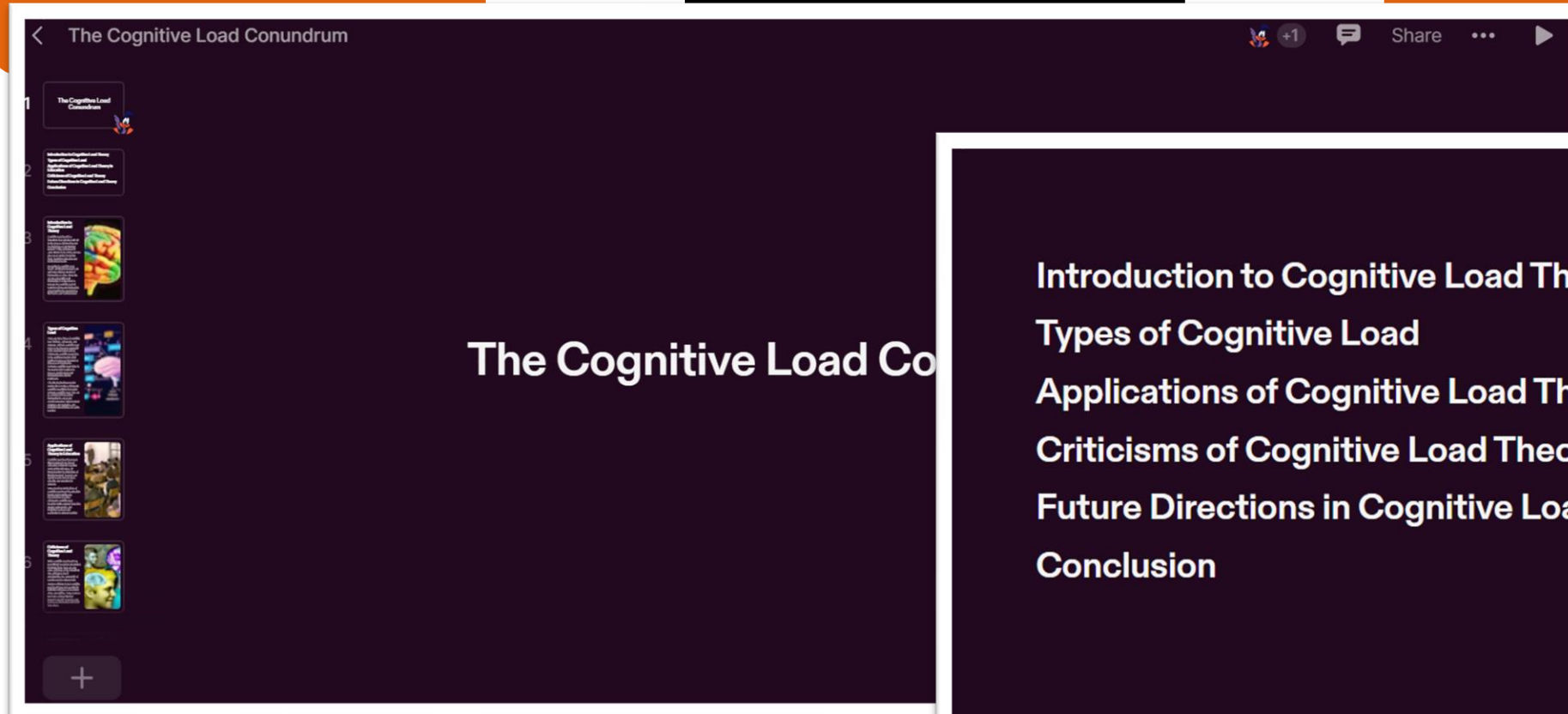
	Paper title	Abstract summary
☆	Cognitive Load Theory: New Conceptualizations, Specifications, and Integrated Research Perspectives 🔗 Fred Paas, Tamara van Gog, John Sweller 2010 Review 265 Citations DOI	Cognitive load theory has progressed and advanced rapidly over the last few years.
☆	Something old, something new from cognitive load theory 🔗 Paul Ayres 📄 <i>Comput. Hum. Behav.</i> 2020 7 Citations DOI	Cognitive load considerations are combined with other learning strategies in many cases.

Text-to-presentation

מצגת

Tome

טקסט



- Introduction to Cognitive Load Theory**
- Types of Cognitive Load**
- Applications of Cognitive Load Theory in Education**
- Criticisms of Cognitive Load Theory**
- Future Directions in Cognitive Load Theory**
- Conclusion**

...TIVI

Hemingway App makes your writing bold and clear.

The app highlights lengthy, complex sentences and common errors; if you see a yellow sentence, shorten or split it. If you see a red highlight, your sentence is so dense and complicated that your readers will get lost trying to follow its meandering, splitting logic — try editing this sentence to remove the red.

You can utilize a shorter word in place of a purple one. Mouse over them for hints.

Adverbs and weakening phrases are helpfully shown in blue. Get rid of them and pick words with force, perhaps.

Phrases in green have been marked to show passive voice.

You can format your text with the toolbar.

Paste in something you're working on and edit away. Or, click the

Hemingway
Editor

Readability

Grade 6

Good

Words: 133

Show More ▾

2 adverbs, meeting the goal of 2 or fewer.

1 use of passive voice, meeting the goal of 2 or fewer.

1 phrase has a simpler alternative.

1 of 11 sentences is hard to read.

1 of 11 sentences is very hard to read.

wordtune read

Information Overload

Information overload occurs when decision-makers face a level of information that is greater than their information processing capacity, i.e., an overly high information load (Schroder et al. 1967; Eppler and Mengis 2004), but the phenomenon is not confined to the modern world. As Blair (2012) noted in her review article, even in the thirteenth century, scholars complained of "the key ingredients of the feeling of overload which are still with us today: 'the multitude of books, the shortness of time and the slipperiness of memory'" (Blair 2012, p. 1). Two radical innovations supported the rapid increase in the availability of information and the decrease in information search-related costs: Gutenberg's printing innovations and the rise of information technology (IT). Before these radical innovations, the issue of information overload was limited to a wealthy and privileged elite.

Information overload occurs when decision-makers face a level of information greater than their ability to process.

The phenomenon dates back to medieval times, but 2 innovations rapidly accelerated it: Gutenberg's printing and the rise of information technology.

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during his talk at Google.

He learned that the hard way.

Tiago Forte's life changed in the summer of 2007. At the living his best life in San Diego, studying for his under Apple store right when the very first iPhone was introduced.

His cheerful, happy-go-lucky attitude was abruptly rep when he noticed a strange tickle in his throat that would went by, the pain grew more and more intense until it None of the doctors he consulted with were able to diagnose and identify the cause. However, one of them prescribed strong pill to ease the pain. Desperate for some relief,

One of the side effects of the medication, as it later turned short-term memory loss.

Productivity guru Tiago Forte was diagnosed with a chronic illness in 2007. The medication he was taking caused him to lose his short-term memory.

Forte began taking notes obsessively to manage his medical record and daily routine. His records grew into a giant database of personal thoughts, memories, ideas, and sources he could retrieve at the drop of a hat, which altered his life completely.

Tiago Forte's new book Building a Second Brain offers a step-by-step manual to building your own personal archive.

והשאלות...

תוצר של AI – למי שייכות זכויות היוצרים?

שימוש בכלי AI – קיצור דרך/רמאות או השלב ההכרחי הבא בעידן המידע?

האם נדרש להצהיר על שימוש בכלי AI? איך ובאילו תנאים?

איך מבהירים לסטודנטים ולסטודנטיות מהן נורמות השימוש הראויות?

וכמובן – איך אנחנו יכולים להשתמש בכלי AI על מנת לשפר את איכות הלמידה?



AI won't replace you,
People who use AI will.

תודה על ההקשבה



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ענבל צרפתי-ברעד

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איכות ההוראה והלמידה**

אוניברסיטת בן-גוריון בנגב

