



Mahidol University
Faculty of Science

Stang Mongkolsuk Library
and Information Division



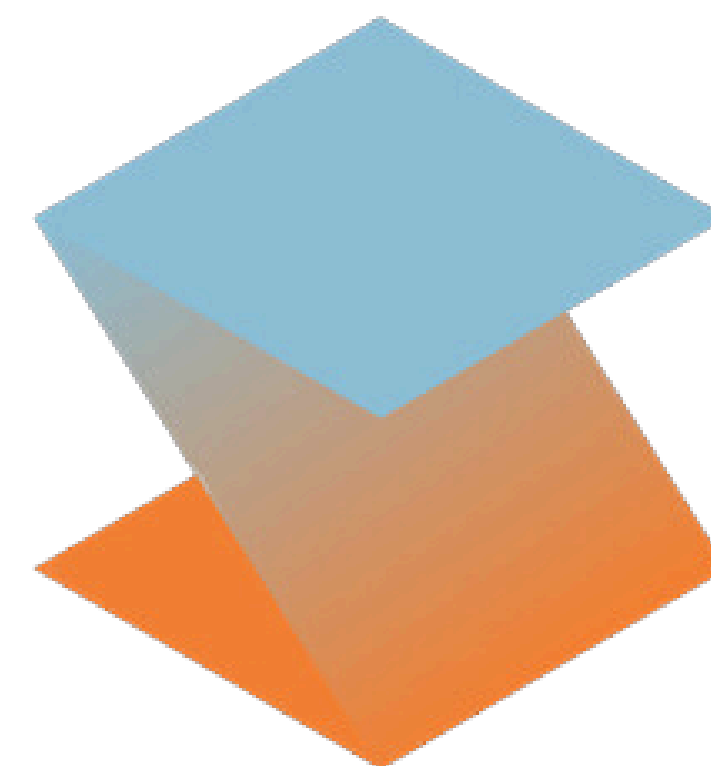
Stang Library Training
Information skills for you

The 3rd Training on

Generative AI Research Assistant

with **SciSpace**

18 September 2024



Chalermpan Tatip

Stang Mongkolsuk Library and Information Division



Topic

- 1. About SciSpace**
- 2. Literature Review**
- 3. Copilot - Read with AI**
- 4. Citation Generator**
- 5. Paraphraser**
- 6. AI Detector**
- 7. Research PDF to Video**

1. About SciSpace (1)



SciSpace is the easiest way to find, understand, and learn any research paper.

For every paper you read, get simple explanations and answers from AI and discover a network of connected and relevant papers with Metadata of 200 million+ papers and 50 million+ Open Access full-text PDFs

Source : <https://typeset.io/t/about/>

About SciSpace (2)


Basic \$0 No credit card required <input type="button" value="Current Plan"/> <ul style="list-style-type: none">✓ Limited Chats with papers and PDFs✓ Limited Literature Review searches✓ Standard Model Access only✓ Limited Paraphraser outputs✓ Limited AI powered notebooks✓ Limited Paper summaries✓ Add 5 columns in literature review✓ Limited Citation Generations✓ Limited Concept searches	Premium MOST POPULAR \$12 20 per month; billed annually <input type="button" value="Upgrade"/> <ul style="list-style-type: none">✓ Unlimited Chats with papers and PDFs✓ Unlimited Literature Review searches✓ High-Quality Model Access✓ Unlimited Paraphraser outputs✓ Unlimited AI powered notebooks✓ Unlimited Paper summaries✓ Add all 50 columns in Literature Review✓ Unlimited Citation Generations✓ Unlimited Concept searches✓ Export to RIS, CSV, BIB, Excel, XML✓ Customise Chat settings✓ Unlimited AI Detections	Labs & Universities \$8 48 /user/month For <input type="text" value="2"/> users; Total: \$192 • see price chart <input type="button" value="Upgrade to Teams"/> <ul style="list-style-type: none">✓ All the benefits of Premium Subscription✓ Reduced pricing with higher number of seats✓ Role based management with Admins and members✓ Dedicated Customer Success Manager✓ Enhanced Security✓ Priority technical support✓ Early access to the upcoming Collaboration features
--	---	--


Source : <https://typeset.io/pricing/>


About SciSpace (3)




 Home

 My Library

 My Notebooks

 Chat with PDF

 Literature Review

 AI Writer


 Find Concepts

 Paraphraser

 Citation Generator

 Extract Data

 AI Detector

 PDF to Video



PRODUCT HUNT

#1 Product of the Day

The Fastest Research Platform Ever






All-in-one AI tools for students and researchers.

Discover Papers for your research



Website: <https://typeset.io/>

Try asking or searching for:

-  How does climate change impact biodiversity?
-  Why are aging Covid patients more susceptible to severe complications?
-  How does social media affect the college selection process?
-  What are the interesting theories about dark matter and dark energy?
-  What is the significance of higher-dimensional algebra?

Literature Review (1)

3. Upload paper in PDF format

SciSpace Literature Review

1. Type keywords or a question in the search field

Search or ask a question

TRY NEW AI SEARCH

Try asking or searching for:

- Q How does climate change impact biodiversity?
- Q Why are aging Covid patients more susceptible to severe complications?
- Q How does social media affect the college selection process?
- Q What are the interesting theories about dark matter and dark energy?
- Q What is the significance of higher-dimensional algebra?

2. select an example question

Literature Review (2)

Insight from top 5 papers

English (en)

Climate change has a significant impact on biodiversity. It can lead to the loss of species, particularly those with specific water resource adaptations. Climate change affects water resources, such as water scarcity and shortages, which directly impact the growth, behavior, and habitats of species, including humans. Water shortages due to climate change put the human population at risk in terms of crop productivity, food security, and economic activities. Climate change also affects polar environments, which are high species richness areas, and can result in the degradation of habitats and adverse consequences for species. Additionally, climate change contributes to the decline in biodiversity through habitat loss, changes in temperature and precipitation, and increased exposure to novel pathogens. The impact of climate change on biodiversity and food security is a global concern that requires effective policies and interventions to mitigate its effects. [1][2][3][4][5]

Was this helpful?

Ask a follow up

Review the summarized insight for a quick and informative overview of what the top papers say

Papers (10)	Insights	
<p><input type="checkbox"/> Open access • Peer Review • DOI</p> <p><input type="checkbox"/> Impact of Climate Change on Water Resources and its Implications on Biodiversity: A Review</p> <p>Fredrick Ojija +1 more</p> <p>27 Jan 2023 - East African journal of environment and natural resources</p> <p><input type="checkbox"/> PDF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Ask a Question</p>	<p>Climate change impacts biodiversity by affecting water resources, leading to water scarcity and shortages that directly affect species' growth, behavior, habitats, and population size.</p>	<p>Search or add columns...</p> <p>Get more information by adding columns. E.g. "What are some useful applications?"</p> <p>Popular suggestions</p> <ul style="list-style-type: none">+ TL;DR+ Conclusions+ Summarized Abstract+ Results+ Summarized Introduction <p>+ Copilot en</p>
<p><input type="checkbox"/> Open access • Journal Article • DOI</p> <p><input type="checkbox"/> Climate change and its impact on biodiversity and human welfare</p> <p>K. R. Shivanna</p> <p>01 Jun 2022</p>	<p>Climate change impacts biodiversity by causing loss of habitat, changes in ecosystems, and increased extinction rates.</p>	

Literature Review (3)

Insight from top 5 papers

Climate change has a significant impact on biodiversity. It can lead to the loss of species, particularly those with specific water resource as water scarcity and shortages, which directly impact the growth, behavior, and habitats of species, including humans. Water shortages terms of crop productivity, food security, and economic activities. Climate change also affects polar environments, which are high specie habitats and adverse consequences for species. Additionally, climate change contributes to the decline in biodiversity through habitat lo exposure to novel pathogens. The impact of climate change on biodiversity and food security is a global concern that requires effective [5]

Was this helpful?

Ask follow-up questions to Copilot on summarized insights to gain a deeper understanding and clarify any doubts you may have.

Add columns (2) PDF

Papers (10)

<p>Open access • Peer Review • DOI</p> <p><input type="checkbox"/> Impact of Climate Change on Water Resources and its Implications on Biodiversity: A Review</p> <p>Fredrick Ojija +1 more</p> <p>27 Jan 2023 - East African journal of environment and natural resources</p> <p>PDF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="button" value="Ask a Question"/></p>	<p>Climate change impacts biodiversity by affecting water resources, leading to water scarcity and shortages that directly affect species' growth, behavior, habitats, and population size.</p>
<p>Open access • Journal Article • DOI</p> <p><input type="checkbox"/> Climate change and its impact on biodiversity and human welfare</p> <p>K. R. Shivanna</p> <p>01 Jun 2022</p>	<p>Climate change impacts biodiversity by causing loss of habitat, changes in ecosystems, and increased extinction rates.</p>

Copilot English (en)

Can you identify any novel methodologies or approaches used in these papers?

6:28 am

- The papers discuss the use of climatic models, emission scenarios, migration scenarios, and extinction scenarios to understand the impact of climate change on biodiversity and food security .
- The papers highlight the need for effective policies, high-yielding stress-resistant varieties, climate-resilient irrigation structures, and agriculture to achieve food security under climate change scenarios .
- The papers emphasize the importance of

Were there any unexpected or surpris: [+5 more](#)

Write your question...

Literature Review (4)

1. Use search filters like publication type, year of publication, and PDF availability to narrow down the results

The screenshot shows a search results page with several filters and a sidebar. The filters at the top include 'Add columns (2)', 'PDF', 'Open Access', 'Year', 'Publication Type', and 'Less filters'. The 'Year' filter is currently set to 'Last 3 Years'. The sidebar on the right contains a search bar and a list of popular suggestions for columns to add, such as 'TL;DR', 'Conclusions', 'Summarized Abstract', 'Results', 'Summarized Introduction', 'Methods Used', 'Literature Survey', 'Limitations', 'Contributions', and 'Practical Implications'. The main content area displays a list of papers, including 'Impact of Climate Change on Water Resources and Implications on Biodiversity: A Review' and 'Climate change and its impact on biodiversity and welfare'.

2. Add new or remove existing fields to customize the search results table to your specific needs.

Literature Review (5)

Add columns (2) | PDF Open Access [More filters](#) [Clear filters](#)

Journal Article • DOI [↗](#)

Impact of climate change on biodiversity loss: global evidence

Muzafar Shah Habibullah +3 more

03 Aug 2021 • Environmental Science and Pollution Research

[🔖](#) [🗨️](#) [🔗](#) [💬 Ask a Question](#)

1. Use Copilot to get deep information

Climate change leads to species extinction and shifts in species distribution.
Climate change affects food security and agricultural fields.

2. Click pdf to access full-text or bookmark or cite this paper

Impact of climate change on biodiversity and food security: a global perspective—a review article

Melese Genete Muluneh

01 Dec 2021 • Agricultural and Food Science

[📄 PDF](#) [🔖](#) [🗨️](#) [🔗](#) [💬 Ask a Question](#)

Climate change and its impact on biodiversity and human welfare

K. R. Shivanna

01 Jun 2022

[📄 PDF](#) [🔖](#) [🗨️](#) [🔗](#) [💬 Ask a Question](#)

Increase in natural disasters and sea level rise
Decrease in crop productivity and loss of biodiversity

Copilot English (en) [🗨️](#)

6:29 am

Follow up [📄](#)

Tell me more about Climate change affects food security and agricultural yields in this study.

6:47 am

- Climate change has a significant impact on food security, particularly in communities and locations that depend on rain-fed agriculture .
- The study highlights that crops and plants have thresholds beyond which their growth and yield are compromised due to climate change .
- It is projected that agricultural yields in Africa alone could decline by more than

Literature Review (6)

Home / Papers / Impact of climate change on biodiversity and fo...

[Overview](#) [Full-text](#) [References \(301\)](#) [Related Papers \(5\)](#)

Journal Article • [DOI](#) •

[Full-text](#) [Trace](#) [Bookmark](#) [Quote](#) [Share](#)

Impact of climate change on biodiversity and food security: a global perspective—a review article

Melese Genete Muluneh

01 Dec 2021 • Agricultural and Food Science (Springer Science and Business Media LLC) • Vol. 10, Iss: 1, pp 1-25

TL;DR: In this paper, the authors identify, appraise, and synthesize the link between climate change, biodiversity, and food security, and recommend degraded land restoration, land use changes, use of bio-energy, sustainable forest management, and community based biodiversity conservation are recommended to mitigate climate change impacts.

Abstract: Climate change is happening due to natural factors and human activities. It expe ...read more

Limitations

Methods used

Future works

Conclusions

Results

Summarise introduction

Dataset used

1. Click on topic to see more information

Content maybe subject to [copyright](#) [Report](#)

Σ Explain math & table

117% [+](#) [-](#) [Full Screen](#) [More](#)

Help?

Muluneh Agric & Food Secur (2021) 10:36
<https://doi.org/10.1186/s40066-021-00318-5>

Agriculture & Food Security

Copilot

English (en)



2. Or select an example question

General (12)

My questions (0)

- Explain Abstract of this paper in 2 lines
- What are the contributions of this paper
- Find Related Papers
- Explain the practical implications of this paper
- Summarise introduction of this paper
- Literature survey of this paper
- Methods used in this paper
- What data has been used in this paper
- Results of the paper


Write your question...



Show desk

Literature Review (7)

Overview **Full-text** References (301) Related Papers (5)

 Explain math & table


evaporative power of the atmosphere, along with solar radiation, carbon dioxide level, ambient temperature, and the availability of water and inorganic nutrients [72]. However, those important parameters upon which the existence of life depends are affected by human-induced and natural factors. Consequently, over the last century, the rapidly expanding human population and economies place increasing demands on biodiversity resources [73]. One-third to one-half of the world's terrestrial surface has been substantially altered by human activity [74]. Species existing both at the Arctic and Antarctic environments are tainted by pollutants


the interaction of CC with pre-existing threats to the biota is the most serious and pressing problem above all. Habitat fragmentation, invasive species, pollution, overexploitation, and global CC are among the direct threats to the biodiversity (Table 1) [67]. On the other hand, the causes of biodiversity loss are more complex and interrelated with many other factors. Among which are overpopulation and overconsumption. This is compounded by social, economic, and political forces. Furthermore, socioeconomic structures, policies, weak governance, and legislation, corruption, and lack of enforcement, often intensify the threats to biodiversity [81].

Select text or mathematical equations or tables for summarize or explain it.

Table 1 Threats to global biodiversity and their impacts

Factors	Impacts on biodiversity	Sources
Habitat loss and fragmentation	Decrease in natural habitat, homogenization of species composition, fragmentation of landscapes, and soil degradation	[40, 67]
Invasive alien species	Competition with and predation on native species Changes in ecosystem function Extinctions and Homogenization	[28, 37]
Overexploitation	Genetic contamination Extinctions and decreased populations Alien species introduced after resource depletion	[28, 37]
Climate change	Homogenization and changes in ecosystem functioning Extinctions Expansion or contraction of species ranges	[28, 37]
Pollution	Changes in species compositions and interactions Higher mortality rates Nutrient loading and acidification	[28, 37]
Anthropogenic threats	species extinction Habitat loss and conversion Degradation and fragmentation Over Harvesting	[82, 83]

 Copilot

 English (en)



 Save as note  Follow up  

Explain the text

Table 1 Threats to global biodiversity and their impacts

Factors	Impacts on biodiversity	Sources
Habitat loss and fragmentation	Decrease in natural habitat, homogenization of species composition, fragmentation of landscapes, and soil degradation	[40, 67]
Invasive alien species	Competition with and predation on native species Changes in ecosystem function Extinctions and Homogenization	[28, 37]
Overexploitation	Genetic contamination Extinctions and decreased populations Alien species introduced after resource depletion	[28, 37]
Climate change	Homogenization and changes in ecosystem functioning Extinctions Expansion or contraction of species ranges	[28, 37]
Pollution	Changes in species compositions and interactions Higher mortality rates Nutrient loading and acidification	[28, 37]
Anthropogenic threats	species extinction Habitat loss and conversion Degradation and fragmentation Over Harvesting	[82, 83]

8:08 am

- Table 1 in the paper lists the various threats to global biodiversity and their impacts.
- The table provides a comprehensive overview of the different factors that contribute to the loss of biodiversity across the world.

Explain Abstract of this paper in 2 lines, What are the

+12 more 

Citation Generator (1)

Home / Citation Generator

Browse all styles

Sort by: Popularity ^

Showing all 2,551 results

Search or select citation style more than 2,500 styles

Popularity

Relevance

A - Z

Z - A

APA : American Psychological Association 7th edition

MLA : Modern Language Association 9th edition

Begell House - Chicago Manual of Style

MLA : Modern Language Association 8th edition

Vancouver

Elsevier - Vancouver

AMR : Academy of Management Review

Accident Analysis and Prevention



Citation Generator (2)

Home / Citation Generator / Vancouver

Vancouver citation generator

Sit back and relax. Let SciSpace give you instant and accurate Vancouver citations

1. Select source/document type to create reference e.g.

Webpage Journal Article Book Book Chapter

My References

Enter URL

Search

Citation Style: Vancouver

2. Enter URL or title of article in the search field

[Add manually](#)

3. If you can't find results, you can add information manually

Article title -

URL -

Website title -

Date accessed -

Date published -

+ Start new

ctrl + G

Generate

4. Click generate to create reference list

Citation Generator (3)

Home / Citation Generator / Vancouver

Vancouver citation generator

Sit back and relax. Let SciSpace give you instant and accurate Vancouver citations

Example of Vancouver citation style

Webpage

Journal Article

Book

Conference Procee...



My References 2

https://www.iqair.com/th-en/thailand/bangkok

Search

Citation Style: Vancouver

Copy text or download citation as BibTeX

Article title - Bangkok Air Quality Index (AQI) and Thailand Air Pollution | IQAir

URL - https://www.iqair.com/th-en/thailand/bangkok

Website title -

Date accessed - August 28 2023

Date published -

Main Citation:

1. Bangkok Air Quality Index (AQI) and Thailand Air Pollution | IQAir [Internet]. 2023 [cited 2023Aug28]. Available from: https://www.iqair.com/th-en/thailand/bangkok

In-text citation:

(1)

+ Start new

ctrl + G

Generate

Find Concepts (1)


Find Concepts

Go deeper within research papers to extract insightful concepts.

Search for concepts across research papers...



Try asking or searching for:

 Benchmarks for evaluation of large language models






 Efficient materials for solar panels

 Effective interventions for treating depression

 Renewable energy trends for the next decade

 Main causes of economic recessions

Processing your request. This can typically take between 25 to 40 seconds. Please wait.

-  Finding relevant papers
-  Finding concepts in papers
-  Finding concepts from external sources
-  Extracting unique concepts
-  Preparing final results

Find Concepts (2)

Insight from top 5 concepts ▾

👍 🗨️ 🌐 English (en) ▾

The next decade is poised to witness significant advancements in renewable energy, driven by a combination of technological innovation and increasing environmental concerns. As public awareness of climate change intensifies, there is a growing impetus for the adoption of renewable energy sources such as solar, wind, and biomass, which are expected to play a larger role in the global energy mix ^[5]. This shift is crucial for modern civilization to transition away from fossil fuels and mitigate climate change impacts, as renewable energy technologies are essential for achieving energy efficiency and sustainability ^[4]. Despite a lack of attention in public policy over the past 12 years, major strides have been made in renewable energy production, suggesting that if these opportunities are fully leveraged, more than half of the world's energy requirements could be met by renewable sources by the middle of the next century ^{[1][2]}. The interplay between environmental concerns and energy policy is likely to accelerate the adoption of these technologies, indicating a trend where market dynamics increasingly favor environmentally sustainable solutions ^[3]. Overall, the next decade will likely see a robust increase in renewable energy consumption, aligning with global efforts to address climate change and energy security ^[5].

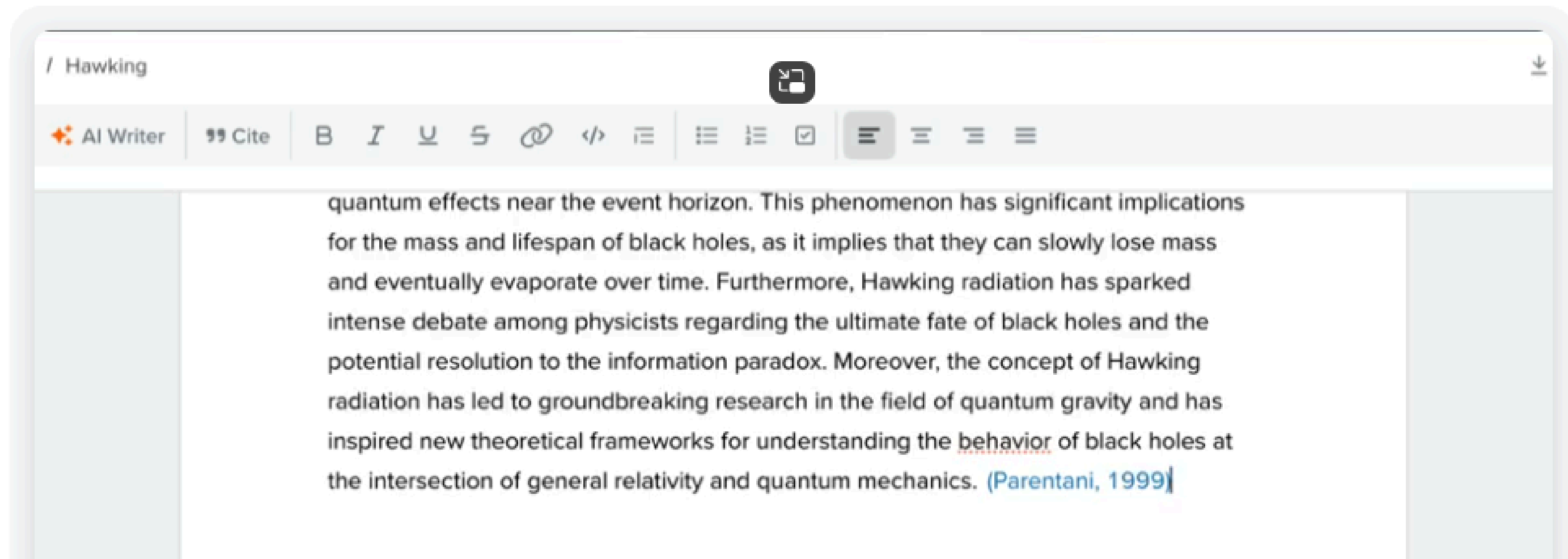
Concepts	Sources
renewable energy sources The abstract mentions advances in the use of renewable energy sources for the production of fuels and electricity, indicating a trend towards increased utilization of these sources in the next decade.	<ul style="list-style-type: none">Despite the relative inattention in public policy over the last 12 years to energy generally and to renewable energy in particular, major advances have been made on many fronts in the use of renewable energy sources for the production of fuels and electricity. If these emerging opportunities are seized it should be feasible to provide more than half of total world energy requirements with renewable energy sources by the middle of the next century at world energy prices that are not much higher than at present. These advances are likely to continue and may accelerate in the future, in <p>...Read More</p>

AI Writer (1)

AI Writer: Your Ideas, Enhanced by AI

Add citations, improve your ideas, write with confidence.

Start Writing



AI Writer (2)

How to protect City from the Flood

Press / for commands, @ to add citations


 Ask AI to write anything e.g., 'Write an introduction on climate' 

Draft with AI

 Continue writing with citations

 Outline Builder

Generate from page

 Write Introduction

 Write Conclusion

 Write Opposing Arguments

AI Writer (3)

How to protect City from the Flood


Flooding poses a significant threat to urban environments, impacting infrastructure, public safety, and economic stability. As climate change intensifies weather patterns and increases the frequency and severity of extreme rainfall, cities around the world are facing unprecedented challenges in flood management. This necessitates a comprehensive approach to flood protection that encompasses innovative engineering solutions, effective urban planning, and community engagement. Recent studies have highlighted the importance of integrating green infrastructure, such as permeable pavements and urban wetlands, with traditional flood defense systems to enhance resilience. Furthermore, the implementation of early warning systems and community preparedness initiatives can play a crucial role in minimizing the impact of floods. This research aims to explore various strategies and best practices for protecting cities from flooding, emphasizing the need for a multidisciplinary approach that combines scientific research, policy development, and public awareness. By examining case studies and current methodologies, this study seeks to identify effective measures that can be adopted by urban planners and policymakers to safeguard cities against the growing threat of flooding.

Paraphraser

Scholarly Paraphrasing Tool

Make your academic writing more clear and original with SciSpace's Paraphraser. Write in more tones and languages than Quillbot, and humanize your text with our AI detector.

[See why we are better than Quillbot](#)

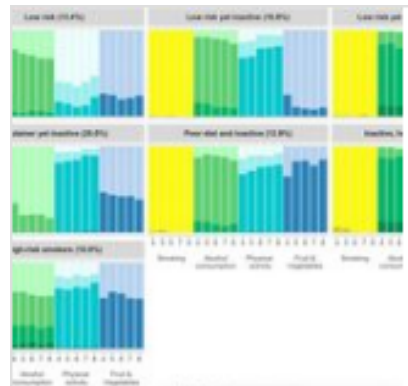
☰ My outputs (1)  Feedback

Academic Fluent Formal **Informal** More ▾

Length:  Variation:   Same as Input ▾

Health-risk behaviours tend to be stable as people age and so ought to be addressed early. We identified seven clusters of older adults with distinct patterns of behaviour, socio-demographic characteristics and multimorbidity prevalence. Intervention developers could use this information to identify high-risk subpopulations and tailor interventions to their behaviour patterns and socio-demographic profiles.

Health-risk behaviors usually stay the same as we get older, so it's best to deal with them early on. We found seven groups of older folks with different behaviors, backgrounds, and rates of having multiple health conditions. People creating interventions could find this data helpful in pinpointing high-risk groups and customizing interventions to match how they behave and their backgrounds.



Longitudinal clustering of health behaviours and their association with...

Background Health-risk behaviours such as smoking, unhealthy nutrition, alcohol consumption...

 plosone

New input 53/150 words

Paraphrase

60 words

 AI detection



AI Detector (1)

Academic AI Detector

Catch GPT-4, ChatGPT, Jasper, and other AI writers' presence in scholarly content.

[Input Text](#) [Upload PDF](#)

Examples

[Chat GPT](#)

[Quillbot](#)

[Jasper](#)

[AI + Human text](#)

[Abstract by AI](#)

[My Text Scans](#)

Start writing here or paste some scientific text and click analyse

[New input](#) 0/1000 words

Scientific Non Scientific

Analyse

Once you analyse any text/doc, your report will show up here.

Share this tool with your friends.



AI Detector (2)

You
Definition of Cancer?

ChatGPT
Cancer is a disease characterized by the uncontrolled growth and spread of abnormal cells in the body. These cells can form tumors and interfere with the normal functions of the body. Cancer can occur in almost any part of the body and can spread to other areas, making it a potentially life-threatening condition.

🔊 📄 ↻ 🗑️

Academic AI Detector

Catch GPT-4, ChatGPT, Jasper, and other AI writers' presence in scholarly content.

Input Text Upload PDF

Examples Chat GPT Quillbot Jasper AI + Human text Abstract by AI My Text Scans (10)

Cancer is a group of diseases characterized by the uncontrolled growth and spread of abnormal cells in the body. These cells can form tumors, invade nearby tissues, and spread to other parts of the body. There are more than 100 different types of cancer, each with its own causes, symptoms, and treatment options.

AI detection report

100%

Essentially AI

The text is almost entirely produced using AI, without any contribution from humans

3 out of 3 sentences were AI written.

AI USAGE PROBABILITY


High AI	2 sentences
Moderate AI	1 sentence
Low AI	


New input 53/1000 words Scientific Non Scientific Reanalyse


AI Detector (3)


Oxford **Learner's Dictionaries**

cancer *noun*

 B2

 /'kænsə(r)/

 /'kænsər/

1 ★  [uncountable, countable] a serious disease in which **growths** of cells, also called cancers, form in the body and kill normal body cells. The disease often causes death.

Academic AI Detector

Catch GPT-4, ChatGPT, Jasper, and other AI writers' presence in scholarly content.

Input Text Upload PDF

Examples Chat GPT Quillbot Jasper AI + Human text Abstract by AI My Text Scans (9)

a serious disease in which growths of cells, also called cancers, form in the body and kill normal body cells. The disease often causes death.

AI detection report

0%

Essentially Human

The text is written almost entirely by a human

0 out of 2 sentences were AI written.

AI USAGE PROBABILITY

High AI


Moderate AI

Low AI

New input 25/1000 words Scientific Non Scientific **Reanalyse**


Research PDF to Video (1)

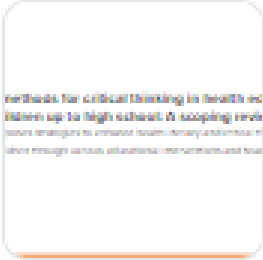
Sit back, Video and Slide generation may take some time...



Video


Done





Slides

Done



The video and slides will be available on your profile once they're ready. We'll also send you an email notification.

[Continue to Profile](#)

Research PDF to Video (2)

Video

Slides

Twitter Facebook LinkedIn Copy Link

SCISPACE

PLOS ONE

Teaching methods for critical thinking in health education of children up to high school: A scoping review

Orin Pridemore, ...

ABSTRACT

Background: The purpose of this scoping review was to identify and synthesize the current evidence on teaching methods for critical thinking in health education of children up to high school. The review was conducted using the PRISMA search strategy. The search was conducted in the following databases: PubMed, CINAHL, and ERIC. The search terms used were: "critical thinking", "health education", "children", "teaching methods", and "scoping review". The search results were screened based on the following criteria: relevance to the topic, quality of the evidence, and the teaching methods used. The results of the search are presented in the following table:

Teaching Method	Number of Studies
Interactive Learning	12
Case Studies	8
Role-Playing	5
Group Discussions	3
Self-Directed Learning	2
Other Methods	1

Teaching critical thinking

Twitter Facebook LinkedIn Copy Link

1 Teaching methods for critical thinking in health education of children up to high school: A scoping review

2 Table of Contents

3 Table of Contents

4 Introduction

5 Importance of critical thinking in health education of children up to high school

6

Teaching methods for critical thinking in health education of children up to high school: A scoping review

The paper proposes strategies to enhance health literacy and critical thinking skills in school-age children through various educational interventions and teaching methods.

SCISPACE

Research PDF to Video (3)



Chalermpan Tatip

1 Publications



Publications

AI Clone

AI Clone Assets

Create your AI Clone

Record your Avatar that will be used to market you papers for citation boost

Create AI clone



Clone my Avatar
Recommended



Limitation

- The majority of data on SciSpace are abstract.
 - Exclusively available on an online platform.
 - Some content in Research Topic may be absent.
 - Refrain from uploading your Information to SciSpace.
 - Copilot possess limited knowledge to responses.
-