THE BEST AI-BASED TOOLS FOR RESEARCH IN

2023

"Unleashing AI's Power in Revolutionizing Research"

Artificial Intelligence (AI) plays a significant and rapidly growing role in various aspects of research across different fields. Its capabilities have transformed the research landscape by enabling new opportunities and enhancing traditional methodologies.

Such tools can be extremely helpful for writing research papers and theses, as they can assist with various aspects of the writing process, from generating ideas to proofreading. Here are some AI-powered tools that can aid in different stages of writing research and thesis:
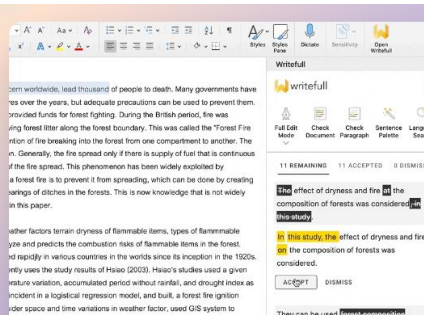
ABSTRACT WRITING TOOLS

writefull

This tool revises language, writes abstracts, paraphrases texts, makes sentences academic, and more

✓ Sentence Paraphrased at any Level
✓ Automatic Title Creator
✓ Ai-Based Abstract Developer

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Classgist

AI-based too to analyse documents and extract the most relevant information and generate a summary that captures the essence of the original text.

Abstract Generator

This Abstract Generator is basically a guideline for writing abstracts. We have also written an article on how to write abstracts. Go through the post and use our tools to create properly formatted abstracts. **Note: An abstract should be between 100 - 250 words.**

Fields marked with red asterisk (*) are required.

Overview of the study (Research problem, Aims and Objectives): * 0 - 60 words

Overview of the study

- ✓ The summarization tool with customization
- ✓ Specific keywords or phrases inclusion.
- ✓ Grammatically correct summaries,
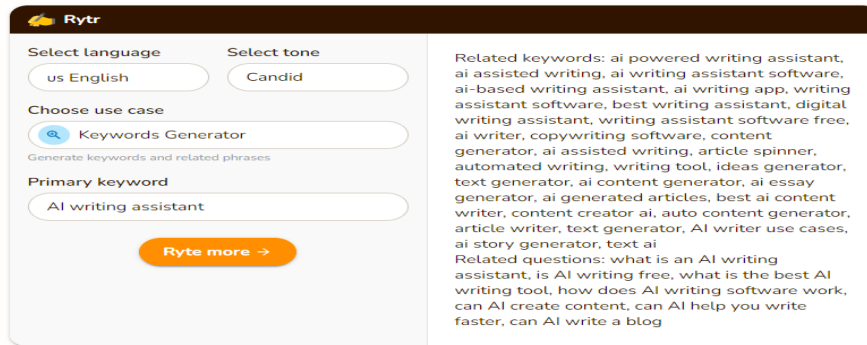- ✓ Ensure readability and accuracy.

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KEYWORDS GENERATOR TOOLS

The tool comes up with related keywords, key phrases, and questions using the AI writing assistant
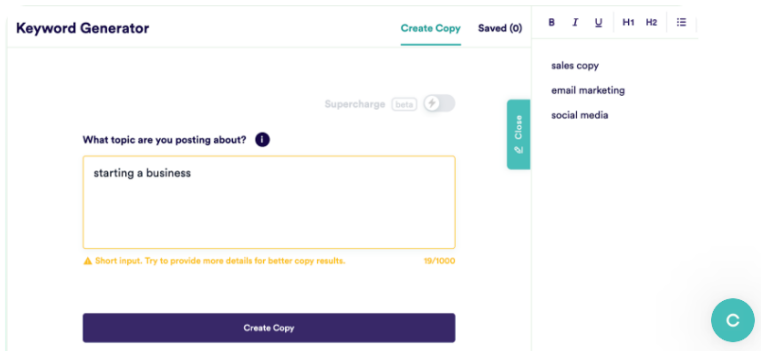

✓ Automatic keyword detector and creator
✓ AI-based writing process
✓ Image generation

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copy.ai

The tool generates a list of seed keywords to begin keyword research and uncover hundreds of seed keyword opportunities in seconds.
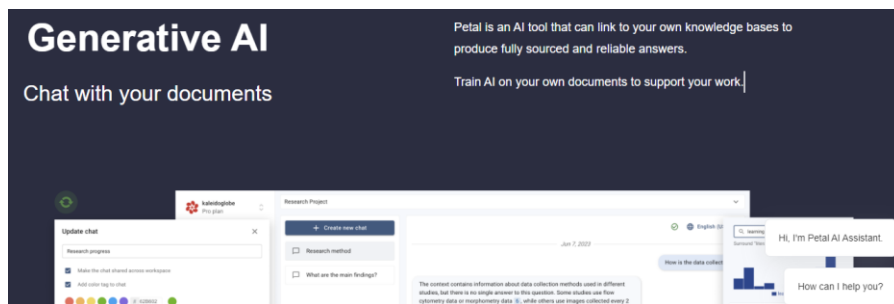

✓ Automatic keyword generator
✓ AI-based copywriting
✓ Customize templates

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LITERATURE REVIEW TOOLS

Petal

Identify measured outcomes, trace driving factors and influencers, assess potential weaknesses and compare similar studies using unique multi-document AI table.

- ✓ Cloud-based storage
- ✓ AI-based literature review
- ✓ AI to identify key points and explain complex ideas.

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Elicit

Elicit uses language models to help in a literature review by finding relevant papers without perfect keyword matches and summarizing takeaways from the paper.

Six Sigma in the UK service organisations: results from a pilot survey

J. Antony

2004   296 Citations   Semantic Scholar   DOI

Abstract summary

Six Sigma has been proved to be a rigorous pursuit of process variation and defect rate in all critical business processes to achieve breakthrough improvements in process performance that generates significant savings to the bottom line of an organization.

Abstract

Six Sigma is now increasingly applied to a variety of processes ranging from manufacturing to service and variegated transactional processes. Six Sigma has been proved to be a rigorous pursuit of the reduction of process variation and defect rate in all critical business processes to achieve breakthrough improvements in process performance that generates significant savings to the bottom line of an organisation. The paper begins with a simple comparative study between manufacturing and service processes from the Six Sigma application perspective. The paper then presents the results of a pilot survey carried out in the UK service organisations to understand the status of Six Sigma. The paper finally reports the essential ingredients which are required for the successful deployment of Six Sigma in the service sector.

✓ Possible Critiques
✓ Research Paper Findings
✓ Inclusion of Other Citations

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BIBLIOGRAPHY

CREATOR TOOLS

scite_

It helps researchers better discover and understand research articles through Smart Citations–citations that display the context of the citation and describe whether the article provides supporting or contrasting evidence

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helium had turned into a superfluid, and according to the rules of the quantum mechanics, fell into the laziest possible energy state: motionless. As the solid ring oscillated back and forth, the superfluid flowed in the opposite direction in such a way that it appeared to remain exactly still.

The source for the sentence given is Result [1], which is an article by Kim and Chan (2004) titled "Observation of Superflow in Solid Helium" published in the journal Science. In this article, the authors report on the observation of nonclassical rotational inertia in solid helium-4 confined to an annular channel in a sample cell under torsional motion, demonstrating superfluid behavior. They explain that the effect shows up as a drop in the resonant oscillation period as the sample cell is cooled below 230 millikelvin. The authors also mention that measurement of 17 solid samples allows them to map out the boundary of this superfluid-like solid or supersolid phase from the melting line up to 66 bars. Therefore, this article provides evidence to support the sentence given.

- ✓ Citation Statement
- ✓ Journals and Articles
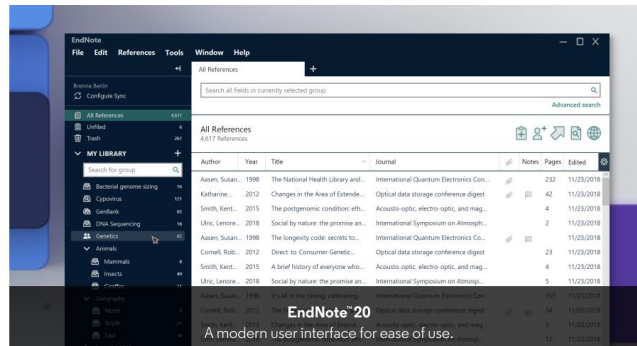- ✓ Citation Styling like APA, Harvard etc.

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EndNote™

The tool to check the accuracy of the bibliography according to refreshed journal and referencing styles.
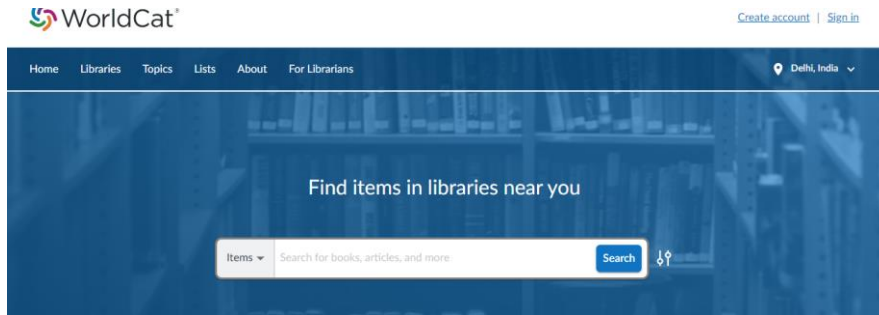

- ✓ Automatic Bibliography Creator
- ✓ Easily collaborate across geographic boundaries.
- ✓ Match research papers with reputable journals using Manuscript Matcher

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E-LIBRARY & CITATION TOOLS

WorldCat®

WorldCat is the world's largest library catalog, helping you find library materials online.

- ✓ Open-Source E-Books, Articles, Downloadable Audiobooks, And Photos
- ✓ Hundreds Of Library Groups, Publishers, and Technology Providers
- ✓ Inclusive Citation Styles Including APA, Harvard Etc.

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PLAGIARISM & GRAMMAR TOOLS

TRINKA

An AI-based tool that spots errors specific to academic writing and proofreads everything from complex grammar errors to scientific style and tone.

Improves writing beyond grammar and spelling

Trinka goes beyond professional grammar checks and enhances your writing for vocabulary, tone, syntax, and much more. Make your point confidently, with Trinka.

- Style guides (APA | AMA)
- Technical word choice
- Formal tone
- Conciseness

Style guide preferences

The ~~males~~ men scored higher than the ~~females~~ women.

✓ Suggestive Writing Tips
✓ Tone And Style Enhancement
✓ Advance Grammar Checker.

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AI writing detection technology is highly reliable and proficient in distinguishing between AI- and human-written text and is specialized for student writing.

- ✓ Color-Coding, Filters, And Source Comparison.
- ✓ Data Insights to Show Text Manipulation.
- ✓ Comparative Industry-Leading Database for Comprehensive Results

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