

## AI RESEARCH TOOL OVERVIEW

Aligned with the research process, 5 tool groups can be distinguished:

[ASSISTANTS](#), [FINDERS](#), [CONNECTORS](#), [ANALYZERS](#), [WRITERS](#)

Tool	Description	Database / Powered by	Other Features	Pricing	Notes
ASSISTANTS - help you get started and support you throughout your research (brainstorming topic, outline, keywords, "someone to talk to")					
<a href="#">ChatGPT</a>	<p>ChatGPT is probably still the best-known AI tool and chatbot.</p> <p>If you use precise enough prompts, it can generate research topics and outlines for papers for you, help you brainstorm or give you feedback on ideas.</p>	<p>"Like previous GPT models, the GPT-4 base model was trained to predict the next word in a document, and was trained using publicly available data (such as internet data) as well as data we've [OpenAI] licensed". (<a href="#">Source</a>)</p> <p>ChatGPT 4 also has live access to the internet. (<a href="#">Source</a>)</p>	<p>Also includes third-party GPTs and tools like DALL-E (image generation).</p> <p>ALSO: WRITER tool</p>	<p>Free and premium plans available. For more information on pricing, see <a href="#">here</a>.</p> <p>ChatGPT 4 can be used for free via Microsoft Copilot.</p>	<p>In our experience, GPT 4 provided more specific and innovative outlines than GPT 3.5 when asked to come up with an idea for a research paper.</p>

<p><a href="#">ClaudeAI</a></p>	<p>ClaudeAI is an AI assistant developed by Anthropic AI. It performs tasks such as text summarization, editing, answering questions, and writing code.</p> <p>Claude 3 has <a href="#">3 sub-models</a>.</p>	<p>ClaudeAI is a large language model (LLM) trained on a substantial dataset of text and code. The specific details of the data are not publicly available, but Anthropic emphasizes their focus on safety and reliability in the training process. <a href="#">(Source)</a></p>	<p><b>File upload and analysis:</b> Claude can analyze uploaded documents (up to 5 at a time, with a maximum size of 10MB each) and answer questions based on their content. (Please only upload non-copyrighted material!).</p> <p><b>Contextual awareness:</b> Claude retains information from past conversations.</p>	<p>Free and premium plans available. For more information on pricing, see <a href="#">here</a>.</p>	<p>- Requires users to create an account.</p> <p>- You must provide your cell phone number and date of birth to verify your account.</p>
<p><a href="#">Cohere Coral</a></p>	<p>Cohere Coral is an AI-assistant chatbot developed by Cohere. Coral serves as a virtual assistant, providing detailed responses. It can assist with researching a new industry, starting a draft, or debugging code. <a href="#">(Source)</a></p>	<p>Coral is powered by Command, a large language model built by Cohere. Command is an extensive neural network with billions of parameters, trained on an enormous amount of text data from diverse sources. <a href="#">(Source)</a></p>	<p><b>Integration:</b> Coral can be integrated into various applications, platforms, and interfaces, including websites, mobile apps, messaging platforms, and customer service portals.</p> <p><b>Collaborative Features:</b> Coral can facilitate collaboration among teams and organizations.</p>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	

<a href="#">Gemini</a>	<p>The AI tool is capable of assisting users with tasks including writing, translation, and code generation.</p>	<p>"Gemini is the result of large-scale collaborative efforts by teams across Google, including our colleagues at Google Research. It was built from the ground up to be multimodal, which means it can generalize and seamlessly understand, operate across and combine different types of information including text, code, audio, image and video." (<a href="#">Source</a>)</p>	<p><b>Gemini Basic:</b> Simple questions and answers; Short text generation.</p> <p><b>Gemini Pro:</b> generates different creative text formats (e.g., poems, code, scripts), translates, and answers open ended questions, provides code analysis and generation.</p> <p>ALSO: WRITER tool</p>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<ul style="list-style-type: none"> <li>- Gemini used to be called Bard (the rebranding took place in 2024).</li> <li>- Users are required to register with their Google account.</li> <li>- Light and dark background mode.</li> </ul>
<a href="#">Le Chat</a>	<p>Le Chat is a multilingual conversational assistant developed by the French AI startup Mistral AI. (<a href="#">Source</a>)</p>	<p>More on Mistral technology, see <a href="#">here</a>.</p>	<p><b>Multilingual:</b> Le Chat offers conversation in English, French, Italian, German, and Spanish.</p> <p><b>Incognito Mode:</b> Let's you keep your prompts and responses private and not used for further training.</p>	<p>Available for free.</p>	<p>Le Chat is still under development, and Mistral AI is continuously working to improve its models and features.</p>

<a href="#">Microsoft Copilot</a>	<p>“Microsoft Copilot is an AI-powered digital assistant that aims to provide personalized assistance to users for a range of tasks and activities”. (<a href="#">Source</a>)</p>	<p>Copilot is running on OpenAI’s Chat GPT-4. (<a href="#">Source</a>)</p>	<ul style="list-style-type: none"> <li>- Copilot can be integrated with many Microsoft apps.</li> <li>- Copilot also includes an image generation tool.</li> </ul>	<p>Free and premium plans available.</p> <p>For more information on pricing, see <a href="#">here</a>.</p>	<p><a href="#">Further information.</a></p>
<a href="#">Meta Llama 3</a>	<p>Meta Llama is a family of large language models (LLMs) by Meta AI, designed for tasks like writing, translation, and answering questions. (<a href="#">Source</a>)</p>	<p>Developed by Meta AI. Open source.</p>	<ul style="list-style-type: none"> <li>- Can be used for building AI applications.</li> <li>- Generates images in real time.</li> </ul>	<p>Available for free on meta.ai.</p>	<ul style="list-style-type: none"> <li>- <a href="#">Meta.ai</a> is currently not available in Germany.</li> <li>- Meta Llama 3 (released April 2024) - Knowledge cutoff date: December 2023.</li> <li>- Can be also used via Amazon Web Services (AWS) Bedrock or by logging in with a Facebook account.</li> <li>- <a href="#">Benchmarks</a></li> <li>- <a href="#">FAQ</a></li> </ul>
<a href="#">Research Kick</a>	<p>“Research Kick is an AI-powered app that helps researcher brainstorm and craft compelling research questions. [...] Research Kick also</p>	<ul style="list-style-type: none"> <li>- <a href="#">Semantic Scholar</a></li> <li>- <a href="#">PubMed</a></li> <li>- <a href="#">Scite</a></li> </ul> <p>(<a href="#">Source</a>)</p>	<p>Also allows users to refine research questions they have already formulated.</p>	<p>No free plan available.</p> <p>For more information on pricing, see <a href="#">here</a>.</p>	<p>For a demo video, see <a href="#">here</a>.</p>

Tool	Description	Database / Powered by	Filters	Other Features	Pricing	Notes
FINDERS – find academic literature, create summaries						
<a href="#">Consensus</a>	"Consensus is an academic search engine, powered by AI [...] We use language models (LLMs) and purpose-built search technology (Vector search) to surface the most relevant papers. We synthesize both topic-level and paper-level insights." ( <a href="#">Source</a> )	<a href="#">Semantic Scholar</a> ( <a href="#">Source</a> )	<ul style="list-style-type: none"> <li>- year</li> <li>- Open Access</li> <li>- minimum citations</li> <li>- methods used in paper</li> <li>- Scimago Journal Rank</li> <li>- subject area</li> </ul>	<ul style="list-style-type: none"> <li>- GPT4 summaries of papers.</li> <li>- Consensus Meters for yes/no questions.</li> <li>- Study Snapshots (population, sample size, methods, outcomes).</li> <li>- Consensus Copilot ("you can have Copilot answer questions, draft content, create lists, and more").</li> <li>- Zotero integration. (<a href="#">Source</a>)</li> </ul>	Free and premium plans available. For more information on pricing, see <a href="#">here</a> .	Better avoid keywords but rather type in full questions. <a href="#">Tips for searching</a> .
<a href="#">Elicit</a>	"Elicit uses language models to extract data from and summarize research papers." ( <a href="#">Source</a> )  Elicit allows users to "[g]et one sentence	<ul style="list-style-type: none"> <li>- <a href="#">Semantic Scholar</a> (which also indexes preprint sites like arXiv).</li> <li>- The Elicit team announced that they want to add more sources soon.</li> </ul>	<ul style="list-style-type: none"> <li>- PDF available</li> <li>- year</li> <li>- study type</li> <li>- keywords (not) in the abstract</li> </ul>	<ul style="list-style-type: none"> <li>- Upload PDFs and have them summarised (please only upload non-copyrighted material!).</li> <li>- "List of concepts" (for searching methods,</li> </ul>	Free and premium plans available. For more information on pricing, see <a href="#">here</a> .	Better avoid keywords but rather type in full questions. For the FAQ, see <a href="#">here</a> .

	<p>abstract summaries”, “[s]elect relevant papers and search for more like them” and to “[e]xtract details from papers into an organized table”. (<a href="#">Source</a>)</p>	<p>For more information, see <a href="#">here</a>.</p>	<p>- different ranking methods</p>	<p>datasets and the same concept across different subjects).  <a href="#">More information</a>.  ALSO: ANALYZER tool</p>		
<a href="#">Keenious</a>	<p>Keenious “recommends relevant research papers by analyzing your document[.] [...] You can easily add Keenious as a sidebar in Microsoft Word or Google Docs so that you can get suggested relevant research”. (<a href="#">Source</a>)</p> <p>This means that users do not type in a question but connect Keenious directly to an entire text they are currently working on. However, the search in Keenious also works relatively well if users type in long questions.</p>	<a href="#">Open Alex</a>	<p>- year</p> <p>- citation count</p> <p>- Open Access</p>	<p>Highlight text in your file to only search for this specific concept/topic.</p>	<p>Free and premium plans available. For more information on pricing, see <a href="#">here</a>.</p>	<p>- Works best if connected to a longer document that is currently being worked on → the more input the better.</p> <p>- Users should make sure that the unpublished text they are connecting to Keenious contains no sensitive data!</p>

<p><a href="#">Perplexity AI</a></p>	<p>“Perplexity is an alternative to traditional search engines, where you can directly pose your questions and receive concise, accurate answers backed up by a curated set of sources”. <a href="#">(Source)</a></p> <p>Please note that PerplexityAI is not specifically designed for academic research. Users can, however, choose the focus "Academic".</p>	<ul style="list-style-type: none"> <li>- No information, but apparently: <a href="#">Semantic Scholar</a>.</li> <li>- Also based on ChatGPT and ClaudeAI.</li> </ul>	<p>None, apart from general filters like "Academic".</p>	<p>Copilot (only for registered users): asks questions about queries to better tailor the results to users’ needs. <a href="#">(Source)</a></p>	<p>Free and premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<ul style="list-style-type: none"> <li>- Only ever gives 5 results per question.</li> <li>- Even for academic questions, “Focus All” sometimes yields better results than “Focus Academic”.</li> </ul>
<p><a href="#">SciSpace</a></p>	<p>Helps researchers find, understand, and connect scientific literature.</p> <p>“For every paper you read, get simple explanations and answers from AI and discover a network of connected and relevant papers”. <a href="#">(Source)</a></p>	<p>Unclear – most likely Semantic Scholar and the Directory of Open Access Books as well as the Directory of Open Access Journals ("200 million+ papers and 50 million+ Open Access full-text PDFs"). <a href="#">(Source)</a></p>	<ul style="list-style-type: none"> <li>- PDF available</li> <li>- Open Access</li> <li>- “top tier papers”</li> <li>- year</li> <li>- publication type</li> <li>- keywords</li> <li>- journals</li> </ul>	<p>SciSpace offers a multi-purpose platform for academic research and publishing:</p> <ul style="list-style-type: none"> <li>-analyzing papers</li> <li>- publishing papers</li> <li>- AI detection tool</li> <li>- plagiarism check</li> <li>- hosting journals)</li> </ul> <p>ALSO: ANALYZER tool</p>	<p>Free and premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<p>Better avoid keywords but rather type in full questions.</p>

<a href="#">Semantic Scholar</a>	<p>“Semantic Scholar is a free, AI-powered search and discovery tool that helps researchers discover and understand scientific literature that's most relevant to their work“. (<a href="#">Source</a>)</p>	<p>For the journals and databases indexed by Semantic Scholar, see <a href="#">here</a>.</p>	<ul style="list-style-type: none"> <li>- field of study</li> <li>- year</li> <li>- PDF available</li> <li>- author</li> <li>- journal / conference</li> <li>- different rankings</li> </ul>	<ul style="list-style-type: none"> <li>- Personal library.</li> <li>- Alerts for new publications.</li> <li>- AI-generated summaries (currently only for computer science and biomedicine).</li> </ul>	<p>Free.</p>	<p>Very detailed <a href="#">FAQ page</a>.</p>
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<p><a href="#">Undermind</a></p>	<p>Uses a complex four-step search algorithm to “mimic a human's careful, systematic search process”. (<a href="#">Source</a>)</p> <p>The tool has a special focus on search quality. (<a href="#">Source</a>)</p> <p>More information on the algorithm can be found in <a href="#">this</a> whitepaper.</p>	<p><a href="#">Semantic Scholar</a></p>	<ul style="list-style-type: none"> <li>- minimum number of citations per year</li> <li>- only shows papers published in the last 2 or 5 years</li> </ul>	<ul style="list-style-type: none"> <li>- Summaries of the topic based on the papers that were found.</li> <li>- Narrowing down the results based on specific topics.</li> <li>- Extend the results list to even more papers.</li> </ul>	<p>Free and premium plans available. More information on pricing, see <a href="#">here</a>.</p>	
Tool	Description	Database / Powered by	Filters	Other Features	Pricing	Notes
<b>CONNECTORS - create visual interactive maps of search results (papers) based on their citation and subject relations</b>						
<p><a href="#">Connected papers</a></p>	<p>Connected Papers is a visual tool to help researchers find and explore papers relevant to their work. Search by keyword or provide a 'seed paper' by entering the DOI number, and the tool will provide a visual map of other related papers (by topic or reference).</p>	<p>Semantic Scholar Paper Corpus (licensed under ODC-BY). (<a href="#">Source</a>)</p>	<ul style="list-style-type: none"> <li>- PDF available</li> <li>- Open Access</li> <li>- year</li> <li>- derivative works</li> <li>- prior works</li> </ul>	<ul style="list-style-type: none"> <li>- View the results as a graph or as a list.</li> <li>- Citation count available.</li> </ul>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<ul style="list-style-type: none"> <li>- Search by keywords, paper, title, DOI or another identifier.</li> <li>- Better results when searching with articles (seed papers) than with keywords.</li> </ul>

<a href="#">Inciteful</a>	<p>Inciteful.ai is a free web-based tool that helps researchers explore academic literature using network analysis of citations.</p>	<p>“The Inciteful database has coverage over the majority of academic papers in peer reviewed journals as well as books.” (<a href="#">Source</a>)</p>	<ul style="list-style-type: none"> <li>- keywords</li> <li>- timeline</li> <li>- top authors</li> <li>- top institutions</li> <li>- top journals</li> <li>- most important papers</li> <li>- review papers</li> <li>- recent papers</li> <li>- top 100 authors (on the topic)</li> </ul>	<ul style="list-style-type: none"> <li>- Literature Connector: users can explore how two bodies of literature connect to each other by entering two papers. The tool displays the shortest paths between the papers and enables interaction with the graph. Users can also search and filter through the papers.</li> <li>- Zotero plugin.</li> </ul>	<p>Available for free.</p>	
<a href="#">Litmaps</a>	<p>Litmaps recommends papers based on an initial starting article. Users can search for a topic, select an article, and Litmaps will find relevant related articles.</p>	<p>More than 260 million papers from <a href="#">Crossref</a>, <a href="#">Semantic Scholar</a>, <a href="#">OpenAlex</a>.</p>	<ul style="list-style-type: none"> <li>- year</li> <li>- author</li> <li>- keywords</li> <li>- data range</li> <li>- timeline</li> </ul>	<ul style="list-style-type: none"> <li>- Organize articles into collections.</li> <li>- Find more related articles with "Discover search".</li> <li>- Save searches, export &amp; share findings, sign up for email alerts to be notified when new articles on a topic are published.</li> </ul>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<ul style="list-style-type: none"> <li>- Search by keyword, author, DOI, Pubmed ID or arXiv ID.</li> <li>- Better results when searching with articles (seed papers) than with keywords.</li> </ul>

				- Citations count available.		
<a href="#">Research Rabbit</a>	ResearchRabbit is a citation-based literature mapping tool. Users start with a 'seed paper', and the app will find more papers relevant to the topic of interest (which is dictated by the seed papers previously selected by the user).	Unclear.	<ul style="list-style-type: none"> <li>- author</li> <li>- recency</li> <li>- year</li> <li>- timeline</li> </ul>	<ul style="list-style-type: none"> <li>- Personalized alerts on new papers in a field.</li> <li>- Creates personalized collections of paper recommendations.</li> <li>- Discover author networks.</li> <li>- Share &amp; collaborate.</li> <li>- Zotero integration.</li> <li>- Export papers with BibTeX, RIS, CSV.</li> <li>- Citation count.</li> </ul>	Available for free.	<ul style="list-style-type: none"> <li>- Search papers by title, DOI, PMID, or keywords, or upload a file (BibTeX, RIS).</li> <li>- Better results when searching with articles (seed papers) than with keywords.</li> </ul>
<a href="#">Open Knowledge Maps</a>	Open knowledge maps provide an overview of a topic by showing the main subject areas at a glance, and documents related to each area. ( <a href="#">Source</a> )	PubMed (life sciences) or BASE (all disciplines), OpenAIRE.	<ul style="list-style-type: none"> <li>- Open Access</li> <li>- relevance</li> <li>- author</li> <li>- title</li> <li>- year</li> <li>- document type</li> </ul>	<ul style="list-style-type: none"> <li>- Provides full text PDF for Open Access articles.</li> <li>- Export with BibTeX.</li> </ul>	Available for free.	<ul style="list-style-type: none"> <li>- Takes 30 seconds to create a map.</li> <li>- Uses the top 100 documents to create a map.</li> <li>- Find FAQs <a href="#">here</a>.</li> <li>- Find training material <a href="#">here</a>.</li> </ul>

			- metadata quality			
<a href="#">Scite</a>	Puts a special focus on how papers were received by other papers (support / contrast / neutral mention); also helps identifying research gaps & controversies within a field. ( <a href="#">Source</a> )	"We get full text articles and metadata from many different sources, primarily from indexing agreements with publishers [...] and from different open sources such as unpaywall, pubmed, fatcat, various preprint servers, university repositories, open access journals, and more." ( <a href="#">Source and further information</a> )	- author - year - section (e.g. methods section) - type of reference (e.g. "supporting") - citations - journal - institutional affiliation - publication type - topic - editorial notice - MeSH category More information <a href="#">here</a> .	Zotero plugin.	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	- Works best for papers that have a DOI – less helpful for older papers and books.  - Main focus on the natural sciences and medicine.
Tool	Description	Database / Powered by	Other Features		Pricing	Notes
ANALYZERS - summarize papers and allow you to ask questions about the paper that the tool will try to answer						
<a href="#">ASReview</a>	ASReview, developed at Utrecht University, is an open-source software	The software is installed on devices locally. This ensures that nobody	- Customizable screening strategies.		Available for free.	<b>Please do not upload any copyrighted material.</b>

	for systematic reviews, enabling researchers to efficiently screen literature. It utilizes machine learning to prioritize articles for inclusion, streamlining the review process. <a href="#">(Source)</a>	else has access to users' data, except when they share it with others. <a href="#">(Source)</a>	<ul style="list-style-type: none"> <li>- Compatibility with various reference management software.</li> <li>- Support for multiple users collaborating on reviews.</li> </ul>		
<a href="#">ChatPDF</a>	Users can get summaries of articles and ask questions to help them understand the content.	Uses "ChatGPT API from OpenAI to generate an answer." <a href="#">(Source)</a>	<ul style="list-style-type: none"> <li>- Accepts PDFs in any language and can chat in any language.</li> <li>- Answers contain references to their source in the original PDF document.</li> <li>- Create folders to organize your files and chat with multiple PDFs in one conversation.</li> </ul>	Available for free.	<p>To get started, upload a file or copy &amp; paste a URL.</p> <p><b>Please do not upload any copyrighted material.</b></p>
<a href="#">Docanalyzer.ai</a>	docAnalyzer.AI offers conversations with one or many documents at once.	"Unlike competitor analysis tools that merely extract and index information, docAnalyzer.AI deploys a more nuanced, multi-step/multi-agent approach to provide a deeper understanding of a document's content. Leveraging advanced AI technologies, such as OpenAI's API among others, our technology stack uses an ensemble	<ul style="list-style-type: none"> <li>- Can analyze multiple documents at the same time.</li> <li>- Covers various languages.</li> <li>- Can be used on a mobile device.</li> <li>- Collaborating and sharing feature.</li> </ul>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	<p>More information on docAnalyzer.ai, see <a href="#">here</a>.</p> <p><b>Please do not upload any copyrighted material.</b></p>

		of strategies to deliver contextually rich and meaningful responses.” ( <a href="#">Source</a> )			
<a href="#">Explainpaper</a>	Explainpaper is an AI-powered platform that helps readers understand complex academic research papers. It allows users to highlight sections of a paper and receive simplified explanations of key concepts in them.	The free version is based on ChatGPT 3.5, and the Pro version is based on GPT-4o.	Users can switch between the different levels of expertise for the explanations (from 5-year-old to expert).	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	Some issues may occur with larger texts (~300 pages).  <b>Please do not upload any copyrighted material.</b>
<a href="#">Humata</a>	“Skip through long technical papers with ease. Summarize findings, compare documents, and search for answers. Humata will read every file you upload and will generate answers based on the content of your documents. Each answer Humata generates will cite relevant sections from your uploaded documents.” ( <a href="#">Source</a> )	Uses the GPT 4.0 model for premium plans.	<b>Conversational document interaction:</b> Users can ask questions about the content of their files, and Humata will provide answers.  <b>Summarization:</b> Humata can generate summaries of key information within documents.  <b>Annotation and reference tracking:</b> Humata can provide page numbers and other references to guide users to the source material.  <b>Productivity enhancement:</b> Humata can help users save time by finding information and insights within their documents.	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	- Creating an account is required.  - Upload PDF, DOCX, DOC, PPTX or PPT.  <b>Please do not upload any copyrighted material.</b>

<a href="#">PDF.ai</a>	<p>PDF.ai is an AI-powered platform that enables users to summarize, search, and collaborate on PDF documents.</p>	<p>"We use gpt-3.5-turbo-16k for all paying customers. For freemium users, we use gpt-3.5-turbo (4K base model). The gpt-3.5-turbo-16k model offers four times the context length of the 4k base model." (<a href="#">Source</a>)</p>	<p><b>AI-powered PDF summarization:</b> Upload a PDF and PDF.ai will generate a summary of the document's main points and insights.</p> <p><b>Interactive PDF chat:</b> Users can ask questions about the PDF content, and PDF.ai will provide answers pulled directly from the document.</p> <p><b>Collaborative workspace:</b> PDF.ai allows users to invite team members to access and discuss PDF files.</p>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<p>Requires users to create an account or to sign up with their Google or GitHub account.</p> <p><b>Please do not upload any copyrighted material.</b></p>
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<p><a href="#">Rayyan</a></p>	<p>Web-based and mobile application specifically designed to facilitate the screening process for researchers conducting systematic reviews. (<a href="#">Source</a>)</p>	<p>“Rayyan uses artificial intelligence, machine learning, and natural language processing to understand language, learn from decisions, and help research teams reduce the time it takes to complete their systematic reviews and literature reviews.” (<a href="#">Source</a>)</p>	<p><b>Collaborative Screening:</b> Multiple researchers can work on the same review project simultaneously, streamlining the process.</p> <p><b>Blinding Option:</b> Enables anonymous screening of articles to minimize bias based on author or publication details.</p> <p><b>Customizable Inclusion/Exclusion Criteria:</b> Define clear criteria for including or excluding studies in your review.</p> <p><b>Full-Text Review Integration:</b> Upload and manage full-text articles alongside citations for detailed review within Rayyan.</p> <p><b>Data Extraction Tools:</b> Extract relevant data points from included studies for analysis during the review process.</p> <p><b>AI-powered Features (Limited):</b> Offers basic AI features like suggesting articles for inclusion/exclusion based on previous decisions (potentially expanding in the future). (<a href="#">Source</a>)</p>	<p>Free and Premium plans available.</p> <p>More information on pricing, see <a href="#">here</a>.</p>	<p><b>Please do not upload any copyrighted material.</b></p>
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<a href="#">Scholarcy</a>	An AI-powered research assistant tool designed to help students and researchers understand and synthesize academic articles more efficiently. ( <a href="#">Source</a> )	The specific inner workings of Scholarcy are not publicly available.	<p><b>Article Summarization:</b> Analyzes academic papers and provides summaries highlighting key points.</p> <p><b>Interactive Flashcards:</b> Creates flashcards with important information from the article.</p> <p><b>Citation Highlighting:</b> Identifies and highlights key citations within the article.</p> <p><b>Open Access Link Finder:</b> Locates freely available versions of the research paper (if available).</p> <p><b>Comparative Analysis (Premium):</b> Analyzes how a new paper builds upon or differs from previous research in the field (available in the paid version).</p>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	Find video tutorials <a href="#">here</a> .  <b>Please do not upload any copyrighted material.</b>
Tool	Description	Database / Powered by	Other Features	Pricing	Notes
WRITERS - help to write and edit your paper					
<a href="#">DeepL Write</a>	DeepL Write is an AI-powered writing assistant that can improve users' written communication. It will help with your writing by correcting the grammar, spelling, and punctuation, as well as providing suggestions	DeepL Write utilizes advanced natural language processing and machine learning models developed by DeepL.	<ul style="list-style-type: none"> <li>- Grammar and spelling correction.</li> <li>- Vocabulary enhancement with suggested synonyms.</li> <li>- Sentence structure optimization for clearer and more concise phrasing.</li> <li>- Tone and style adjustments (e.g., formal, casual, creative).</li> </ul>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	<ul style="list-style-type: none"> <li>- Currently supports two languages: English (UK and US) and German.</li> <li>- Use DeepL Write via following platforms: <ul style="list-style-type: none"> <li>- Website</li> <li>- Desktop apps (Windows)</li> <li>- DeepL for Google Docs</li> <li>- DeepL for Google Slides</li> <li>- DeepL for Gmail</li> </ul> </li> </ul>

	for alternative words and phrasing. ( <a href="#">Source</a> )				<ul style="list-style-type: none"> <li>- DeepL for Microsoft Word</li> <li>- This product is currently in its beta version and is continuously being updated.</li> </ul> <p><b>Please make sure to follow your institution's AI guidelines!</b></p>
<a href="#">Grammarly</a>	<p>Grammarly serves as a collaboration partner throughout the writing process, assisting with brainstorming initial ideas, formatting citations, and various other tasks. (<a href="#">Source</a>)</p> <p>It functions as an all-in-one writing assistant available for desktop and browser use.</p>	Grammarly's products are powered by an advanced system that combines rules, patterns, and artificial intelligence techniques like machine learning, deep learning, and natural language processing to improve your writing. ( <a href="#">Source</a> )	<ul style="list-style-type: none"> <li>- AI Writing tool</li> <li>- Grammer checker</li> <li>- Plagiarism checker</li> <li>- Paraphrasing tool</li> </ul> <p>ALSO: ASSISTANT tool</p>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	<ul style="list-style-type: none"> <li>- Log in with a Google, Facebook or Apple account.</li> <li>- Available in 500,000+ mobile, web, and desktop applications including Windows and Chrome, Firefox, Safari, Edge.</li> </ul> <p><b>Please make sure to follow your institution's AI guidelines!</b></p>
<a href="#">Jenni AI</a>	Jenni's AI-powered text editor assists users in writing, editing, and citing text.	Uses the latest AI models. "Some product features take advantage of GPT-4's capabilities". ( <a href="#">Source</a> )	<ul style="list-style-type: none"> <li>- AI Autocomplete</li> <li>- in-text citations</li> <li>- paraphrase and rewrite</li> <li>- chat to your PDFs</li> <li>- import sources via .bib file</li> </ul>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	<ul style="list-style-type: none"> <li>- Currently Jenni is only available on a desktop.</li> <li>- "Jenni strives to generate content that is 100% plagiarism-free. However, occasionally there may be sentences that Jenni writes that also happen to be on the web." (<a href="#">Source</a>)</li> </ul>

			<ul style="list-style-type: none"> <li>- export your draft to LaTeX, .docx, or HTML without formatting loss</li> <li>- outline builder</li> <li>- multilingual support</li> <li>- save and manage research in folders</li> </ul> <p>ALSO: ASSISTANT and ANALYZER tool.</p>		<p><b>Please make sure to follow your institution's AI guidelines!</b></p>
<p><a href="#">NovelAI</a></p>	<p>NovelAI is a monthly subscription service that provides AI-assisted authorship, storytelling. <a href="#">(Source)</a></p>	<p>Powered by advanced natural language processing and machine learning algorithms, NovelAI helps users generate unique stories, illustrations, and interactive text adventures. <a href="#">(Source)</a></p>	<ul style="list-style-type: none"> <li>- Text generation with various modes to customize the writing style, tone, and genre.</li> <li>- Image generation based on text prompts, with options to choose different art styles.</li> <li>- Interactive text adventure mode for collaborative storytelling.</li> <li>- Theme editor to customize the writing environment.</li> <li>- Integration with writing tools like Microsoft Word and Google Chrome.</li> </ul>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<p>- NovelAI is designed specifically for creative writing and storytelling, unlike more general-purpose AI writing tools.</p> <p><a href="#">-Introduction (Demo) Video</a></p> <p><b>Please make sure to follow your institution's AI guidelines!</b></p>

<p><a href="#">QuillBot</a></p>	<p>QuillBot is an AI-powered online writing tool that helps users improve their writing by providing various modes to rephrase text while preserving its meaning. It allows users to paraphrase, summarize, check grammar and plagiarism, translate, outline, and create citations.</p>	<p>QuillBot's AI is trained on datasets that teach it the right and wrong ways to write, including information on grammar, spelling, punctuation, tone, sentence structure, and clarity. The AI learns from user feedback, such as when users "ignore" certain paraphrasing suggestions. (<a href="#">Source and more information here</a>)</p>	<ul style="list-style-type: none"> <li>- Paraphrasing with 8 predefined modes and unlimited custom modes to change vocabulary, sentence structure, and writing style.</li> <li>- Integrated thesaurus to find synonyms.</li> <li>- Integration with Microsoft Word and Google Chrome.</li> <li>- Grammar and plagiarism checking.</li> <li>- Summarization.</li> <li>- Citation generation.</li> <li>- Writing style modes (e.g. formal, simple, creative).</li> </ul>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<p><a href="#">- Learn how to use QuillBot's free paraphrasing AI — demo and tutorial</a></p> <p><b>Please make sure to follow your institution's AI guidelines!</b></p>
<p><a href="#">Yomu AI</a></p>	<p>Yomu is an AI-powered writing assistant that helps users write essays and papers. (<a href="#">Source</a>)</p>	<p>Powered by <a href="#">Sourcely</a>.</p>	<ul style="list-style-type: none"> <li>- Paraphrase.</li> <li>- Expand, shorten, summarize and turn bullet points into detailed text.</li> <li>- Document assistant helps to write entire sections and gives feedback. Also offers AI autocomplete and plagiarism checker.</li> </ul>	<p>Free and Premium plans available. More information on pricing, see <a href="#">here</a>.</p>	<p><b>Please make sure to follow your institution's AI guidelines!</b></p>

Tool	Description	Database / Powered by	Other Features	Pricing	Notes
<b>REFERENCE MANAGEMENT PROGRAMMES</b>					
<a href="#">Lateral</a>	An AI-powered research management tool designed to help academics, researchers, and students organize, read, and analyze academic literature more efficiently. <a href="#">(Source)</a>	“We have built our own machine learning technology (LIP API) to make content suggestions. Your content is not sent to Open AI servers.” <a href="#">(Source)</a>	<p><b>Centralized Library:</b> Store and organize your research papers from various sources in one place.</p> <p><b>AI-powered Summarization:</b> Generates summaries of research papers.</p> <p><b>Annotation and Note-taking:</b> Annotate papers directly within Lateral, highlight important passages, and take notes.</p> <p><b>Advanced Search:</b> Search within your library using keywords, filters, and citations.</p> <p><b>Citation Management:</b> Generate bibliographies in various citation styles.</p> <p><b>Collaboration Tools (Beta):</b> Share your research papers and collaborate with colleagues on annotations and notes (still under development).</p>	Free and Premium plans available. More information on pricing, see <a href="#">here</a> .	Integrates with various academic databases and reference managers like Mendeley and Zotero.

Created by Lelde Petrovska, with contributions by Miriam Lahrso, Universitätsbibliothek Tübingen | Last Update: May 2024

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