

AI RESEARCH TOOL OVERVIEW

Aligned with the research process, six tool groups can be distinguished:
[ASSISTANTS](#), [FINDERS](#), [CONNECTORS](#), [ANALYZERS](#) (incl. [Syst. Lit. Rev.](#)), [WRITERS](#), [PRESENTERS](#) & [OTHER](#)

Tool	Description	Database / Powered by	Other Features	Pricing	Notes
ASSISTANTS - help you get started and support you throughout your research (brainstorming topics, outlines, keywords, “someone to talk to”)					
<u>ChatGPT</u>	<p>ChatGPT is probably still the best-known AI tool and chatbot. 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>ChatGPT-o1 (preview and mini), released in September 2024, with a focus on reasoning (<u>Source</u>) currently available to ChatGPT Plus and Teams users.</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”. (<u>Source</u>)</p> <p>ChatGPT 4 also has live access to the internet. (<u>Source</u>)</p>	<ul style="list-style-type: none"> - Also includes third-party GPTs and tools like DALL-E (image generation). - Generates summaries of one or more uploaded documents. You can chat with ChatGPT about the content or ask it to compare information from various documents. - Voice message function available, but only in the app → speak prompts instead of typing them in. - Can read and analyze images and graphics. <p>ALSO: ANALYZER & WRITER tool</p>	Free and premium plans available. For more information on pricing, see <u>here</u> .	

<p>Claude</p>	<p>Claude is an assistant developed by Anthropic AI. It performs tasks such as text summarization, editing, answering questions, and writing code.</p> <p>There are Claude 3 Haiku, Sonnet, Opus, and the latest and most powerful Sonnet 3.5. (Source)</p>	<p>Claude 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. (Source)</p>	<p>File upload and analysis: Claude can analyze uploaded documents and answer questions based on their content. (Please only upload non-copyrighted material!).</p> <p>Vision feature: “Sees” and “reads” images and graphics. See benchmarks here.</p> <p>Code generation: Artifacts feature makes coding easier and more accessible for people with little or no coding experience.</p> <p>Project management feature: available on the Pro plan.</p> <p>Contextual awareness: Claude retains information from past conversations and learns your writing style from documents provided.</p> <p>ALSO: ANALYZER & WRITER tool</p>	<p>Free and premium plans available. For more information on pricing, see here.</p>	<p>Sonnet 3.5 is available for free for up to 12 messages every few hours.</p>
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<p>Gemini</p>	<p>The AI tool is capable of assisting users with tasks including writing, translation, and code generation.</p> <p>Latest model available: Gemini 1.5 (Source)</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." (Source)</p>	<p>Gemini Basic: Simple questions and answers; Short text generation.</p> <p>Gemini Pro: generates different creative text formats (e.g., poems, code, scripts), translates, and answers open ended questions, provides code analysis and generation.</p> <p>ALSO: ANALYZER & WRITER tool</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<ul style="list-style-type: none"> - Gemini used to be called Bard (the rebranding took place in 2024). - Users are required to register with their Google account. - Light and dark background mode.
<p>Le Chat</p>	<p>Le Chat is a multilingual conversational assistant developed by the French AI startup Mistral AI. (Source)</p>	<p>More on Mistral technology, see here.</p>	<p>Multilingual: Le Chat offers conversation in English, French, Italian, German, and Spanish.</p> <p>Incognito Mode: Let's you keep your prompts and responses private; they won't be used for further training of the model.</p> <p>Customization: Models can be fine-tuned and agents can be created.</p>	<p>The information on pricing, see here.</p>	

Microsoft Copilot	<p>“Microsoft Copilot is an AI-powered digital assistant that aims to provide personalized assistance to users for a range of tasks and activities”. (Source)</p>	<p>Copilot is running on OpenAI’s Chat GPT-4. (Source)</p>	<ul style="list-style-type: none"> - Copilot can be integrated with many Microsoft apps. - Copilot also includes an image generation tool. - Available as a sidebar in the Edge browser. Use it to summarise and interact with content from websites, articles, and uploaded documents. <p>ALSO: ANALYZER & WRITER TOOL</p>	<p>Free and premium plans available.</p> <p>For more information on pricing, see here.</p>	<p>Further information.</p>
Meta Llama 3.1	<p>Meta Llama is a family of large language models (LLMs) by Meta AI, designed for tasks like writing, translation, and answering questions. (Source)</p> <p>Offers 3 models (405B, 70B, 8B) that can be downloaded locally and used offline.</p>	<p>Developed by Meta AI. Open source.</p>	<ul style="list-style-type: none"> - Can be used for building AI applications. - Generates images in real time. - Synthetic Data Generation & Fine-tuning 	<p>The information on pricing, see here.</p>	<ul style="list-style-type: none"> - Meta Llama is available for free on Meta.ai, but it is currently not available in Europe. - You can try out Meta Llama 3.1 via Poe.com - Meta Llama 3 (released April 2024) - Knowledge cutoff date: December 2023. - FAQ
Research Kick	<p>“Research Kick is an AI-powered app that helps researcher brainstorm and craft compelling research questions. [...]</p>	<ul style="list-style-type: none"> - Semantic Scholar - PubMed - Scite 	<ul style="list-style-type: none"> - Allows users to refine research questions they have already formulated. - Use Research Kick Start to “kickstart your research projects, brainstorm ideas, craft 	<p>No free plan available.</p> <p>For more information on pricing, see here.</p>	<p>For a demo video, see here.</p>

	Research Kick also help[s] users identify research gaps.” (Source)	(Source)	research questions, and identify gaps.” (Source) - Use Research Kick Chat to “get access to multiple AI models, connect to research databases and create assistants for all your academic tasks.” (Source)			
Tool	Description	Database / Powered by	Filters	Other Features	Pricing	Notes
FINDERS – find academic literature, create summaries						
Consensus	"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.” (Source)	Semantic Scholar (Source)	- year - Open Access - minimum citations - methods used in paper - Scimago Journal Rank - subject area	- GPT4 summaries of papers. - Consensus Meters for yes/no questions. - Study Snapshots (population, sample size, methods, outcomes). - Consensus Copilot (“you can have Copilot answer questions, draft content, create lists, and more”). - Zotero integration. (Source)	Free and premium plans available. For more information on pricing, see here .	Better avoid keywords but rather type in full questions. Tips for searching .
Elicit	"Elicit uses language models to extract data	- Semantic Scholar - The Elicit team announced that they	- PDF available - year	- Upload PDFs and have them summarized (please only upload	Free and premium plans available. For more	Better avoid keywords but rather type in full questions. For the FAQ, see here .

	<p>from and summarize research papers.” (Source)</p> <p>Elicit allows users to “get one sentence abstract summaries, select relevant papers and search for similar ones and to extract details from papers into an organized table.” (Source)</p>	<p>want to add more sources soon.</p> <p>For more information, see here.</p>	<ul style="list-style-type: none"> - study type - keywords (not) in the abstract - different ranking methods 	<p>non-copyrighted material!).</p> <ul style="list-style-type: none"> - "List of concepts" (for searching methods, datasets and the same concept across different subjects). - Integrates with Zotero. <p>More information.</p> <p>ALSO: ANALYZER tool</p>	<p>information on pricing, see here.</p>	
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<p>Keenious</p>	<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”. (Source)</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>	<p>Open Alex</p>	<ul style="list-style-type: none"> - year - citation count - Open Access 	<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 here.</p>	<ul style="list-style-type: none"> - Works best if connected to a longer document that is currently being worked on → the more input the better. - Users should make sure that the unpublished text they are connecting to Keenious contains no sensitive data!
<p>ORKGAsk</p>	<p>“ORKG Ask is a scholarly search and exploration system powered by Vector Search, Large Language Models and Knowledge Graphs” (Source)</p>	<p>“The research articles are sourced from the CORE dataset, a comprehensive collection of open-access research literature.” (Source)</p> <p>Technical details:</p> <p>“Vector Store: We use Qdrant for storing and</p>	<ul style="list-style-type: none"> - year - language - impact - citation count - title - abstract 	<p>Presents results in a table to give users an overview on:</p> <ul style="list-style-type: none"> - the answer the paper gives to the user’s research question - key insights - tl;dr (too long to read) 	<p>Free.</p>	<p>Better avoid keywords but rather type in full questions. For the FAQ, see here.</p> <p>ORKAsk is Open Source and privacy-friendly. More information on data privacy here.</p>

		<p>retrieving vector representations of research articles efficiently.</p> <p>Embedding Model: The Nomic embedding model is utilized to encode search queries and research articles into high-dimensional vectors for semantic search.</p> <p>Large Language Model: Our system employs the Mistral Instruct 7B v0.2 LLM to extract and interpret relevant information from the selected research articles.” (Source)</p>	<ul style="list-style-type: none"> - publisher - author - topic 	<ul style="list-style-type: none"> - conclusions - results - methods <p>Further features:</p> <ul style="list-style-type: none"> - export results (CSV and LaTeX) - export results to the Open Knowledge Research Graph 		
Perplexity AI	<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”. (Source)</p>	<ul style="list-style-type: none"> - For “Focus: Academic”: no information on the database. - Based on ChatGPT, ClaudeAI, and Meta Llama. 	<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. (Source)</p> <p>ALSO: ASISSTANT, ANALYSER & WRITER tool</p>	<p>Free and premium plans available. More information on pricing, see here.</p>	<p>We don’t recommend it for academic research at the moment. It’s more suited for researching every-day questions.</p>

	<p>Please note that PerplexityAI is not specifically designed for academic research. Users can, however, choose the focus "Academic".</p>					
<p>SciSpace</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”. (Source)</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"). (Source)</p>	<ul style="list-style-type: none"> - PDF available - Open Access - “top tier papers” - year - publication type - keywords - journals 	<p>SciSpace offers a multi-purpose platform for academic research and publishing:</p> <ul style="list-style-type: none"> - analyzing papers - publishing papers - AI detection tool - plagiarism check - hosting journals <p>ALSO: ANALYZER & WRITER tool</p>	<p>Free and premium plans available. More information on pricing, see here.</p>	<p>Better avoid keywords but rather type in full questions.</p>

Semantic Scholar	<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”. (Source)</p>	<p>For the journals and databases indexed by Semantic Scholar, see here.</p>	<ul style="list-style-type: none"> - field of study - year - PDF available - author - journal / conference - different rankings 	<ul style="list-style-type: none"> - Personal library. - Alerts for new publications. - AI-generated summaries (currently only for computer science and biomedicine). 	<p>Free.</p>	<p>Very detailed FAQ page.</p>
Undermind	<p>Uses a complex four-step search algorithm to “mimic a human's careful, systematic search process”. (Source)</p> <p>The tool has a special focus on search quality. (Source)</p> <p>More information on the algorithm can be found in this whitepaper.</p>	Semantic Scholar	<ul style="list-style-type: none"> - minimum number of citations per year - only show papers published in the last 2 or 5 years 	<ul style="list-style-type: none"> - Summaries of the topic based on the papers that were found. - Narrowing down the results based on specific topics. - Extend the results list to even more papers. 	<p>Free and premium plans available. More information on pricing, see here.</p>	<p>Watch a demo video here.</p>

Tool	Description	Database / Powered by	Filters	Other Features	Pricing	Notes
CONNECTORS - create visual interactive maps of search results (papers) based on their citation and subject relations						
Citation Gecko	<p>“Gecko is here to help you find the most relevant papers to your research and give you a more complete sense of the research landscape. Start from a small set of 'seed papers' that define an area you are interested. Gecko will search the citation network for connected papers allowing you to quickly identify important papers you may have missed.”</p> <p>(Source)</p>	Unclear.	<ul style="list-style-type: none"> - year - journal - marked irrelevant - seeds cited by - seeds cited 	<ul style="list-style-type: none"> - Import from Bibtex, Zotero, Mendeley. - Timeline layout vs. network layout. 	Free.	
Connected papers	<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, and the tool will provide a visual map of other (thematically or bibliographically) related papers.</p>	Semantic Scholar Paper Corpus (licensed under ODC-BY). (Source)	<ul style="list-style-type: none"> - PDF available - Open Access - year - derivative works - prior works 	<ul style="list-style-type: none"> - View the results as a graph or as a list. - Citation count available. 	Free and Premium plans available. More information on pricing, see here .	<ul style="list-style-type: none"> - Search by keywords, paper, title, DOI or another identifier. - Better results when searching with articles (seed papers) than with keywords.

Inciteful	<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.” (Source)</p>	<ul style="list-style-type: none"> - keywords - timeline - top authors - top institutions - top journals - most important papers - review papers - recent papers - top 100 authors (on the topic) 	<ul style="list-style-type: none"> - 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. - Zotero plugin. 	<p>Available for free.</p>	
Litmaps	<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 Crossref, Semantic Scholar, OpenAlex.</p>	<ul style="list-style-type: none"> - year - author - keywords - data range - timeline 	<ul style="list-style-type: none"> - Organize articles into collections. - Find more related articles with "Discover search". - Save searches, export & share findings, sign up for email alerts to be notified when new articles on a topic are published. 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<ul style="list-style-type: none"> - Search by keyword, author, DOI, Pubmed ID or arXiv ID. - Yields better results when searching with articles/IDs (“seed papers”) than with keywords.

				- Citations count available.		
Local Citation Network	<p>“This web app aims to help scientists with their literature review using metadata from OpenAlex (OA), Semantic Scholar (S2), OpenCitations (OC) and Crossref (CR). [...] This web app visualizes subsets of the global citation network that I call 'local citation networks', defined by the references of a given set of Input Articles. In addition, the most cited references missing in the set of Input Articles are suggested for further review as 'Top References'. Other missing articles citing the highest number of Input Articles are 'Top Citations'.” (Source)</p>	<ul style="list-style-type: none"> - OpenAlex - Semantic Scholar - OpenCitations - CrossRef 	<ul style="list-style-type: none"> - title - abstract - ID (e.g. DOI or PubMedID) - author - year - journal - cited by ID - citing ID 	<ul style="list-style-type: none"> - Citations count available. - Download as RIS, CVS and JSON. - Shows results both as graphic network and table. 	Free	
Research Rabbit	<p>ResearchRabbit is a citation-based literature mapping tool. Users start with a ‘seed paper’, and the app will find</p>	Unclear.	<ul style="list-style-type: none"> - author - recency - year 	<ul style="list-style-type: none"> - Personalized alerts on new papers in a field. 	Available for free.	<ul style="list-style-type: none"> - Search papers by title, DOI, PMID, or keywords, or upload a file (BibTeX, RIS).

	more papers relevant to the topic of interest (which is dictated by the seed papers previously selected by the user).		- timeline	<ul style="list-style-type: none"> - Creates personalized collections of paper recommendations. - Discover author networks. - Share & collaborate. - Zotero integration. - Export papers with BibTex, RIS, CSV. - Citation count. 		- Better results when searching with articles (seed papers) than with keywords.
Open Knowledge Maps	Open knowledge maps provide an overview of a topic by showing the main subject areas at a glance, and documents related to each area. (Source)	PubMed (life sciences) or BASE (all disciplines), OpenAIRE.	<ul style="list-style-type: none"> - Open Access - relevance - author - title - year - document type - metadata quality 	<ul style="list-style-type: none"> - Provides full text PDF for Open Access articles. - Export with BibTeX. 	Available for free.	<ul style="list-style-type: none"> - Uses the top 100 documents related to a search to create a map. - Find FAQs here. - Find training material here.
Scite	Puts a special focus on how papers were received by other papers (support / contrast /	"We get full text articles and metadata from many different sources, primarily from indexing	<ul style="list-style-type: none"> - author - year 	Zotero plugin.	Free and Premium plans available.	- Works best for papers that have a DOI – less helpful for older papers and books.

	neutral mention); also helps identifying research gaps & controversies within a field. (Source)	agreements with publishers [...] and from different open sources such as unpaywall, pubmed, fatcat, various preprint servers, university repositories, open access journals, and more.” (Source and further information)	<ul style="list-style-type: none"> - section (e.g. methods section) - type of reference (e.g. “supporting”) - citations - journal - institutional affiliation - publication type - topic - editorial notice - MeSH category <p>More information here.</p>		More information on pricing, see here.	- Main focus on the natural sciences and medicine.
VOSviewer	“VOSviewer is a software tool for constructing and visualizing bibliometric networks. These networks may for instance include journals, researchers, or individual publications, and they can be constructed based on	The tool can use data from/ the APIs of: <ul style="list-style-type: none"> - Web of Science - Scopus - Dimensions - Lens - PubMed - Crossref - Europe PMC - OpenAlex - Semantic Scholar 	<ul style="list-style-type: none"> - different ways of visualizing the data - many filters 	There’s a desktop version and a web version.	Free.	<p>For a video tutorial, see here. The website also offers a lot of training material and examples.</p> <p>It is a bit harder to master than other Connector tools, but also offers more possibilities for analysis.</p>

	citation, bibliographic coupling, co-citation, or co-authorship relations. VOSviewer also offers text mining functionality that can be used to construct and visualize co-occurrence networks of important terms extracted from a body of scientific literature.” (Source)	- OpenCitations - WikiData				
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						
Acrobat AI Assistant	“Save time and simplify your workflow across multiple documents with AI Assistant. Generate summaries, get quick answers[.] [...]Ask questions and get quick answers linked to sources primarily from your docs.” (Source)	Unclear.	<ul style="list-style-type: none"> - You can use voice prompts in the mobile app. - Can analyze multiple documents at the same time. - “Automatically generate meeting summaries and identify action points from transcripts.” (Source) - Brainstorming feature. - Editing feature. - Creating feature (e.g. “write an email summarising the most important points of this report”). 	There’s only a premium plan. More information on pricing, see .	Please do not upload any copyrighted material.	

ChatPDF	<p>Users can get summaries of articles and ask questions to help them understand the content.</p>	<p>Uses "ChatGPT API from OpenAI to generate an answer." (Source)</p>	<ul style="list-style-type: none"> - Accepts PDFs in any language and can chat in any language. - Answers contain references to their source in the original PDF document. - Create folders to organize your files and chat with multiple PDFs in one conversation. 	<p>Available for free.</p>	<p>To get started, upload a file or copy & paste a URL.</p> <p>Please do not upload any copyrighted material.</p>
DocAnalyzer.ai	<p>docAnalyzer.ai offers conversations with one or many documents at once.</p>	<p>“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 of strategies to deliver contextually rich and meaningful responses.” (Source)</p>	<ul style="list-style-type: none"> - Can analyze multiple documents at the same time. - Covers various languages. - Can be used on a mobile device. - Collaborating and sharing feature. 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>More information on docAnalyzer.ai, see here.</p> <p>Please do not upload any copyrighted material.</p>

Documind	<p>“Documind is used to ask questions, summarize document, generate reports or create a chatbot trained on your documents.” (Source)</p>	<p>GPT-4o</p>	<ul style="list-style-type: none"> - Can analyze multiple documents at the same time. - Can generate reports and essays. - Covers various languages. - “Create a chatbot trained on your documents and share it with anyone with a shareable link. No signup required to use your link, and you can also place it on your website.” (Source) 	<p>Various premium plans available. More information on pricing, see the bottom of the page here.</p>	<p>Please do not upload any copyrighted material.</p>
Explainpaper	<p>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.</p>	<p>The free version is based on ChatGPT 3.5, and the Pro version is based on GPT-4o.</p>	<p>Users can switch between the different levels of expertise for the explanations (from 5-year-old to expert).</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Some issues may occur with larger texts (~300 pages). Please do not upload any copyrighted material.</p>
Humata	<p>“Skip through long technical papers with ease. Summarize findings, compare documents, and search for answers. Humata will read every file you</p>	<p>Uses the GPT 4.0 model for premium plans.</p>	<p>Conversational document interaction: Users can ask questions about the content of their files, and Humata will provide answers. Summarization: Humata can generate summaries of key information within</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>- Creating an account is required. - Upload PDF, DOCX, DOC, PPTX or PPT.</p>

	upload and will generate answers based on the content of your documents. Each answer Humata generates will cite relevant sections from your uploaded documents.” (Source)		documents. Annotation and reference tracking: Humata can provide page numbers and other references to guide users to the source material. Productivity enhancement: Humata can help users save time by finding information and insights within their documents.		Please do not upload any copyrighted material.
Otio.ai	“An AI-native workspace, custom built for research. 1. Summarize and chat with your documents. 2. Write and edit in an AI text-editor.” (Source)	Powered by GPT-4o, Claude 3.5 & Mistral (Source)	- Creates Youtube summaries. - Creates essay outlines. - Compares documents. - Can be used to draft reports. - Includes a text editor. ALSO: WRITER tool	Free and Premium plans available.	Please do not upload any copyrighted material.

PDF.ai	<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." (Source)</p>	<p>AI-powered PDF summarization: Upload a PDF and PDF.ai will generate a summary of the document's main points and insights.</p> <p>Interactive PDF chat: Users can ask questions about the PDF content, and PDF.ai will provide answers pulled directly from the document.</p> <p>Collaborative workspace: 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 here.</p>	<p>Requires users to create an account or to sign up with their Google or GitHub account.</p> <p>Please do not upload any copyrighted material.</p>
Scholarcy	<p>An AI-powered research assistant tool designed to help students and researchers understand and synthesize academic articles more efficiently. (Source)</p>	<p>The specific inner workings of Scholarcy are not publicly available.</p>	<p>Article Summarization: Analyzes academic papers and provides summaries highlighting key points.</p> <p>Interactive Flashcards: Creates flashcards with important information from the article.</p> <p>Citation Highlighting: Identifies and highlights key citations within the article.</p> <p>Open Access Link Finder: Locates freely available versions of the research paper (if available).</p> <p>Comparative Analysis (Premium): Analyzes how a new paper builds upon or differs from previous research in the field (available in the paid version).</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Find video tutorials here.</p> <p>Please do not upload any copyrighted material.</p>

scienceOS	<p>“Ask scientific questions and chat with 220 Mio papers[.] [...] Upload multiple documents to the AI research assistant to compare papers with each other and synthesize information from your PDFs.” (Source)</p>	<p>Semantic Scholar (Source)</p>	<p>“Free science AI chat for good scientific answers – including references.” (Source)</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Please do not upload any copyrighted material.</p>
ANALYZERS - Systematic Literature Review Tools					
ASReview	<p>ASReview, developed at Utrecht University, is an open-source software for systematic reviews, enabling researchers to efficiently screen literature. It utilizes machine learning to prioritize articles for inclusion, streamlining the review process. (Source)</p>	<p>The software is installed on devices locally. This ensures that nobody else has access to users' data, except when they share it with others. (Source)</p>	<ul style="list-style-type: none"> - Customizable screening strategies. - Compatibility with various reference management software. - Support for multiple users collaborating on reviews. 	<p>Available for free.</p>	<p>Please do not upload any copyrighted material.</p>

Rayyan	<p>Web-based and mobile application specifically designed to facilitate the screening process for researchers conducting systematic reviews. (Source)</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.” (Source)</p>	<p>Collaborative Screening: Multiple researchers can work on the same review project simultaneously, streamlining the process.</p> <p>Blinding Option: Enables anonymous screening of articles to minimize bias based on author or publication details.</p> <p>Customizable Inclusion/Exclusion Criteria: Define clear criteria for including or excluding studies in your review.</p> <p>Full-Text Review Integration: Upload and manage full-text articles alongside citations for detailed review within Rayyan.</p> <p>Data Extraction Tools: Extract relevant data points from included studies for analysis during the review process.</p> <p>AI-powered Features (Limited): Offers basic AI features like suggesting articles for inclusion/exclusion based on previous decisions (potentially expanding in the future). (Source)</p>	<p>Free and Premium plans available.</p> <p>More information on pricing, see here.</p>	<p>Please do not upload any copyrighted material.</p>
Tool	Description	Database / Powered by	Other Features	Pricing	Notes
WRITERS - help to write and edit your paper					
DeepL Write	<p>DeepL Write is an AI-powered writing assistant that can improve users’ written communication. It will</p>	<p>DeepL Write utilizes advanced natural language processing and machine learning</p>	<ul style="list-style-type: none"> - Grammar and spelling correction. - Vocabulary enhancement with suggested synonyms. 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>- Currently supports four languages: English (UK and US), German, French and Spanish. It is planned to add more in the future.</p>

	help with your writing by correcting the grammar, spelling, and punctuation, as well as providing suggestions for alternative words and phrasing. (Source)	models developed by DeepL.	<ul style="list-style-type: none"> - Sentence structure optimization for clearer and more concise phrasing. - Tone and style adjustments (e.g., formal, casual, creative). 		<ul style="list-style-type: none"> - Use DeepL Write via following platforms: - Website - Desktop apps (Windows) - DeepL for Google Docs - DeepL for Google Slides - DeepL for Gmail - DeepL for Microsoft Word <p>Please make sure to follow your institution's AI guidelines!</p>
Flot.ai	Allows you to edit and paraphrase your writing in various ways across many apps and websites.	<p>ChatGPT 3.5 (free version)</p> <p>ChatGPT 4 (premium versions)</p>	<ul style="list-style-type: none"> - Includes a translation feature. - Integrates ChatGPT in your workflows. - Grammar check. - AI Memory: "build a personal knowledge base by memorizing [...] information with Flot AI Memory, recall it anytime, anywhere, simply by chatting with AI" (Source). 	Free and Premium plans available. More information on pricing, see here .	Please make sure to follow your institution's AI guidelines!
Grammarly	Grammarly serves as a collaboration partner throughout the writing process, assisting with brainstorming initial ideas, formatting citations, and various other tasks. (Source)	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	<ul style="list-style-type: none"> - AI Writing tool. - Grammar check. - Plagiarism check. - Paraphrasing tool. <p>ALSO: ASSISTANT tool</p>	Free and Premium plans available. More information on pricing, see here .	<ul style="list-style-type: none"> - Log in with a Google, Facebook or Apple account. - Available in 500,000+ mobile, web, and desktop applications including Windows and Chrome, Firefox, Safari, Edge.

	It functions as an all-in-one writing assistant available for desktop and browser use.	processing to improve your writing. (Source)			Please make sure to follow your institution's AI guidelines!
Jenni AI	Jenni's AI-powered text editor assists users in writing, editing, and citing text.	Uses the latest AIs models. "Some product features take advantage of GPT-4's capabilities". (Source)	<ul style="list-style-type: none"> - AI Autocomplete. - In-text citations. - Paraphrase and rewrite. - Chat to your PDFs. - Import sources via .bib file. - Export your draft to LaTeX, .docx, or HTML without formatting loss. - Outline builder. - Multilingual support. - Save and manage research in folders. <p>ALSO: ASSISTANT and ANALYZER tool</p>	Free and Premium plans available. More information on pricing, see here .	<ul style="list-style-type: none"> - Jenni is currently only available as a desktop version. - "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." (Source) <p>Please make sure to follow your institution's AI guidelines!</p>

Mimir Mentor	<p>“Mimir reformulates your text scientifically using artificial intelligence. [...] Mimir’s artificial intelligence shapes your thoughts into scientific sentences.” (Source)</p>	<p>No information.</p>	<ul style="list-style-type: none"> - Find sources that are relevant to a statement made in your text. - Check whether citations adhere to a chosen citation style. - Plagiarism detector. 	<p>Free and Premium plans available.</p> <p>Pricing information is only visible when you’re logged in (under “Account”).</p>	<p>Please make sure to follow your institution’s AI guidelines!</p>
NovelAI	<p>NovelAI is a monthly subscription service that provides AI-assisted authorship, storytelling. (Source)</p>	<p>Powered by advanced natural language processing and machine learning algorithms, NovelAI helps users generate unique stories, illustrations, and interactive text adventures. (Source)</p>	<ul style="list-style-type: none"> - Text generation with various modes to customize the writing style, tone, and genre. - Image generation based on text prompts, with options to choose different art styles. - Interactive text adventure mode for collaborative storytelling. - Theme editor to customize the writing environment. - Integration with writing tools like Microsoft Word and Google Chrome. 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<ul style="list-style-type: none"> - NovelAI is designed specifically for creative writing and storytelling, unlike more general-purpose AI writing tools. - Introduction (Demo) Video <p>Please make sure to follow your institution’s AI guidelines!</p>

<p>Paperpal</p>	<p>“Designed as an all-in-one AI academic writing assistant, Paperpal streamlines and enhances academic writing by supporting authors at every step, from the first draft to final submission.” (Source)</p>	<p>Unclear.</p> <p>“Paperpal employs a variety of AI models best suited to specific features. We also use our own proprietary suite of specialized AI and generative AI models trained on scholarly data.” (Source)</p>	<ul style="list-style-type: none">- Grammar checker.- Paraphraser.- Reference finder.- Plagiarism check.- Pre-submission check for academic journals.- Outline, abstract and title generator.- Essay writer.	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Please make sure to follow your institution’s AI guidelines!</p>
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<p>QuillBot</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. (Source and more information here)</p>	<ul style="list-style-type: none"> - Paraphrasing with 8 predefined modes and unlimited custom modes to change vocabulary, sentence structure, and writing style. - Integrated thesaurus to find synonyms. - Integration with Microsoft Word and Google Chrome. - Grammar and plagiarism checking. - Summarization. - Citation generation. - Writing style modes (e.g. formal, simple, creative). 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>- Learn how to use QuillBot's free paraphrasing AI — demo and tutorial</p> <p>Please make sure to follow your institution's AI guidelines!</p>
<p>Yomu AI</p>	<p>Yomu is an AI-powered writing assistant that helps users write essays and papers. (Source)</p>	<p>Powered by Sourcely.</p>	<ul style="list-style-type: none"> - Paraphrase. - Expand, shorten, summarize and turn bullet points into detailed text. - Document assistant helps to write entire sections and gives feedback. Also offers AI autocomplete and plagiarism checker. 	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Please make sure to follow your institution's AI guidelines!</p>

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PRESENTERS – help to create presentation slides					
Beautiful.ai	Presentation software that helps users create presentations using AI-powered design templates.		<ul style="list-style-type: none"> - AI-driven slide design and layout. - Pre-designed templates and themes. - Collaboration tools for team projects. - Integration with various media and content formats. 	There's only a premium plan. More information on pricing, see here	Please do not upload any copyrighted material.
Gamma.app	Creates presentation slides and websites from papers, documents or texts provided.		<ul style="list-style-type: none"> - Generates Slides and websites. - Provides charts, graphs, images. - Offers pre-made templates. - Export as PDF or PPT files. 	Free and Premium plans available. More information on pricing, see here .	Please do not upload any copyrighted material.
Simplified	Versatile AI design tool for creating media such as presentations, images and various content for social media.		<ul style="list-style-type: none"> - AI Video - AI Design - AI Writer - AI Chatbot and more... 	Free and Premium plans available. More information on pricing, see here .	Please do not upload any copyrighted material.
Slides AI	Google Chrome extension that creates slides from a text or a topic provided.		<ul style="list-style-type: none"> - Creates up to 10-page presentation. - Magic write feature helps with paraphrasing and inserting citation references as well as suggesting pictures to use in the presentation. 	Free and Premium plans available. More information on pricing, see here .	Please do not upload any copyrighted material.
Tool	Description	Database / Powered by	Other Features	Pricing	Notes
OTHER					
Acemate	"Acemate analyzes your lecture materials and creates customized learning resources such as summaries and exams with solutions. It	Documents uploaded by users. (Users can keep them private or share them with others.)	<ul style="list-style-type: none"> - Chat with your documents. - Create summaries automatically from your lectures. 	Free (at the moment).	Currently, Acemate supports English, German, Spanish, French, Portuguese, Italian, and Dutch.

	<p>provides you with instant feedback, helping you identify and address any knowledge gaps. If you have questions, the AI chat offers precise explanations with referenced sources from your lecture materials.”</p> <p>(Source)</p>		<ul style="list-style-type: none"> - “Track your knowledge: Understand relationships between concepts, identify topics to work on and track your progress with our knowledge graphs.” - “Upload your existing old exams to get detailed solutions and generate new ones that replicate their style, format and difficulty.” - “Our exam generator creates questions based on your lecture materials and evaluates your answers.” 		
AI-Cards	<p>“AI Usage Cards is a free university service that allows anyone to document AI in scientific works. The cards can be used to provide transparency to ChatGPT, GPT-4, and others in less than 10 minutes, ensuring that you're responsibly using AI-generated content.”</p> <p>(Source)</p>	<p>Input by users on how they utilized AI tools in their term papers or other writings.</p>	<p>“Our platform is designed to be easily incorporated into any work, and can be generated in less than 10 minutes using our free service. AI Usage Cards are machine-readable and easy-to-use, ensuring that you can report AI-generated content with minimal effort. Similar to model cards and data cards, they can be incorporated easily into your works.” (Source)</p>	<p>Free.</p>	<p>For more information, see this paper and this video.</p>
Lateral	<p>An AI-powered research management tool designed to help academics, researchers, and students organize, read, and analyze</p>	<p>“We have built our own machine learning technology (LIP API) to make content suggestions. Your content is not sent to</p>	<p>Centralized Library: Store and organize your research papers from various sources in one place.</p> <p>AI-powered Summarization: Generates summaries of research papers.</p>	<p>Free and Premium plans available. More information on pricing, see here.</p>	<p>Integrates with various academic databases and reference managers like Mendeley and Zotero.</p>

	<p>academic literature more efficiently. (Source)</p>	<p>Open AI servers.” (Source)</p>	<p>Annotation and Note-taking: Annotate papers directly within Lateral, highlight important passages, and take notes.</p> <p>Advanced Search: Search within your library using keywords, filters, and citations.</p> <p>Citation Management: Generate bibliographies in various citation styles.</p> <p>Collaboration Tools (Beta): Share your research papers and collaborate with colleagues on annotations and notes (still under development).</p>		
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