

# Künstliche Intelligenz im Publishing

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MMag. Karin Lackner  
Dr. Lisa Schilhan  
UB Graz | Publikationsservices  
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# Inhalt



- Veränderungen durch KI im Publikationswesen
- Verlagsrichtlinien
- Rechtliche und ethische Aspekte beim Einsatz von KI
- KI-Tools für Autor:innen
- KI im Peer-Review-Prozess
- Praktische Umsetzung

# Was ist KI?



- In dem Zusammenhang der heutigen Veranstaltung:
  - Hauptsächlich generative Künstliche Intelligenz (gen KI) in Form von LLM
  - Anwendungen, die darauf aufbauen
- Keine code- und bildgenerierenden Tools
- Für die Literarturrecherche mit Hilfe von KI gibt es eine eigene Fortbildung an der UB
- Prompt: der Text den man in die KI eingibt, bzw. die ausformulierte Aufgabe die man der KI gibt

# Veränderungen für Autor:innen



- Richtlinien von Journals und Verlagen müssen beachtet werden
- Verlagsvertrag nach Klauseln zu KI lesen
- Chancenausgleich Non-Native-English Speaker
- KI Tools für die Generierung von Keywords, Abstracts, Bias-Überprüfung, Zusammenfassungen in einfacher Sprache

# Veränderungen für Herausgeber:innen



- Die Verwendung von generativer KI wird von **Autor:innen** zunehmend eingesetzt
- höhere Anzahl an eingereichten und eventuell publizierten Artikeln
- Massive Schwemme an submissions, die ein peer review benötigen
- Richtlinien für die Verwendung von KI muss in den Redaktionen erarbeitet werden
  - Für Autor:innen
  - Für Gutachter:innen
  - Für die redaktionelle Arbeit
- Eventuell Einsatz von Tools die die Arbeit erleichtern (z.B.: Reviewer finden)

# Richtlinien von Verlagen und Zeitschriften



# Richtlinien von Verlagen



- Studie „Publishers’ and journals’ instructions to authors on use of generative artificial intelligence in academic and scientific publishing: bibliometric analysis”
  - Unter den Top 100 größten Verlagen hatten 24% “guidance” zu generativer AI
  - Unter den Top 25 Verlagen waren es 63%
  - Unter den Top 100 “highly ranked” Zeitschriften hatten 87% “guidance” zu GAI
  - In 96% darf GAI nicht als Autor inkludiert werden, 2 Verlage verbieten AI Bilder
  - Bei 12 Journal standen die Journal guidelines im direkten Widerspruch zu den Verlags-Guidelines
  - Große Unterschiede in den Guidelines, fehlen von Standards führen zu großer Unsicherheit bei Autor:innen
  - Gemeinsamkeiten: in allen Fällen muss gekennzeichnet werden, welche Inhalte von der GAI stammen oder bearbeitet wurden,
  - Nur bei 53% stand, dass die Autor:innen auch für die GAI Inhalte verantwortlich sind

- Ganjavi C, Eppler M B, Pekcan A, Biedermann B, Abreu A, Collins G S et al. Publishers’ and journals’ instructions to authors on use of generative artificial intelligence in academic and scientific publishing: bibliometric analysis *BMJ* 2024; 384 :e077192 doi:[10.1136/bmj-2023-077192](https://doi.org/10.1136/bmj-2023-077192)

# COPE Position statement

## Authorship and AI tools



### ○ AI tools können nicht als Autor angegeben werden

AI tools cannot meet the requirements for authorship as they cannot take responsibility for the submitted work. As non-legal entities, they cannot assert the presence or absence of conflicts of interest nor manage copyright and license agreements.

### ○ Die Verwendung von AI muss offengelegt werden

Authors who use AI tools in the writing of a manuscript, production of images or graphical elements of the paper, or in the collection and analysis of data, **must be transparent in disclosing** in the Materials and Methods (or similar section) of the paper **how the AI tool was used** and **which tool was used**. Authors are **fully responsible** for the content of their manuscript, even those parts produced by an AI tool, and are thus **liable for any breach of publication ethics**.

# KI Regelungen in Verlagsverträgen



- Zukünftig auf derartige Regelungen achten!
- Sogar Übersetzungen sind davon betroffen

(5) Die Autorin versichert, dass es sich bei dem Werk um ihre persönliche geistige Schöpfung handelt. Die Autorin versichert, dass sie über alle im Verlagsvertrag genannten Rechte an diesem Werk allein und uneingeschränkt Verfügungsberechtigt ist und dass sie keine diesem Vertrag entgegenstehende Verfügung getroffen hat. Die Autorin verpflichtet sich insbesondere, das Werk selbst nicht ganz oder teilweise durch eine auf Künstlicher Intelligenz basierenden Anwendung zu erstellen oder verarbeiten zu lassen (z. B. durch Bearbeitungen, Übersetzungen und Zusammenfassungen).

# Kernelemente von KI-Richtlinien



## ○ Transparenz & Verantwortung

- Offensichtliche Kennzeichnung von KI-generiertem Text, z.B. durch Fußnoten oder Metadaten.
- Angabe des verwendeten KI-Tools und seiner spezifischen Konfiguration.
- Beschreibung der Rolle von KI im Entstehungsprozess des Textes (z.B. Ideengenerierung, Textformulierung, Übersetzung)
- Autor:innen und Forschende tragen die Verantwortung für den gesamten Inhalt

## ○ Qualitätssicherung

- Einhaltung der wissenschaftlichen Standards und Best Practices.
- Sorgfältige Prüfung des KI-generierten Textes auf Plagiate, Falschinformationen und sachliche Fehler.
- Sicherstellen der Kohärenz und Verständlichkeit des Textes.

# Richtlinien im Wandel: Zeitschrift Science vorher - nachher



For years, authors at the *Science* family of journals have signed a license certifying that “the Work is an *original*” (italics added). For the *Science* journals, the word “original” is enough to signal that text written by ChatGPT is not acceptable: It is, after all, plagiarized from ChatGPT. Further, our authors certify that they themselves are accountable for the research in the paper. Still, to make matters explicit, we are now updating our license and [Editorial Policies](#) to specify that **text generated by ChatGPT (or any other AI tools) cannot be used in the work, nor can figures, images, or graphics be the products of such tools.** And an AI program cannot be an author. A violation of these policies will constitute scientific misconduct no different from altered images or plagiarism of existing works. Of course, there are many legitimate data sets (not the text of a paper) that are intentionally generated by AI in research papers, and these are not covered by this change.

Jänner 2023

<https://www.science.org/doi/10.1126/science.adg7879>

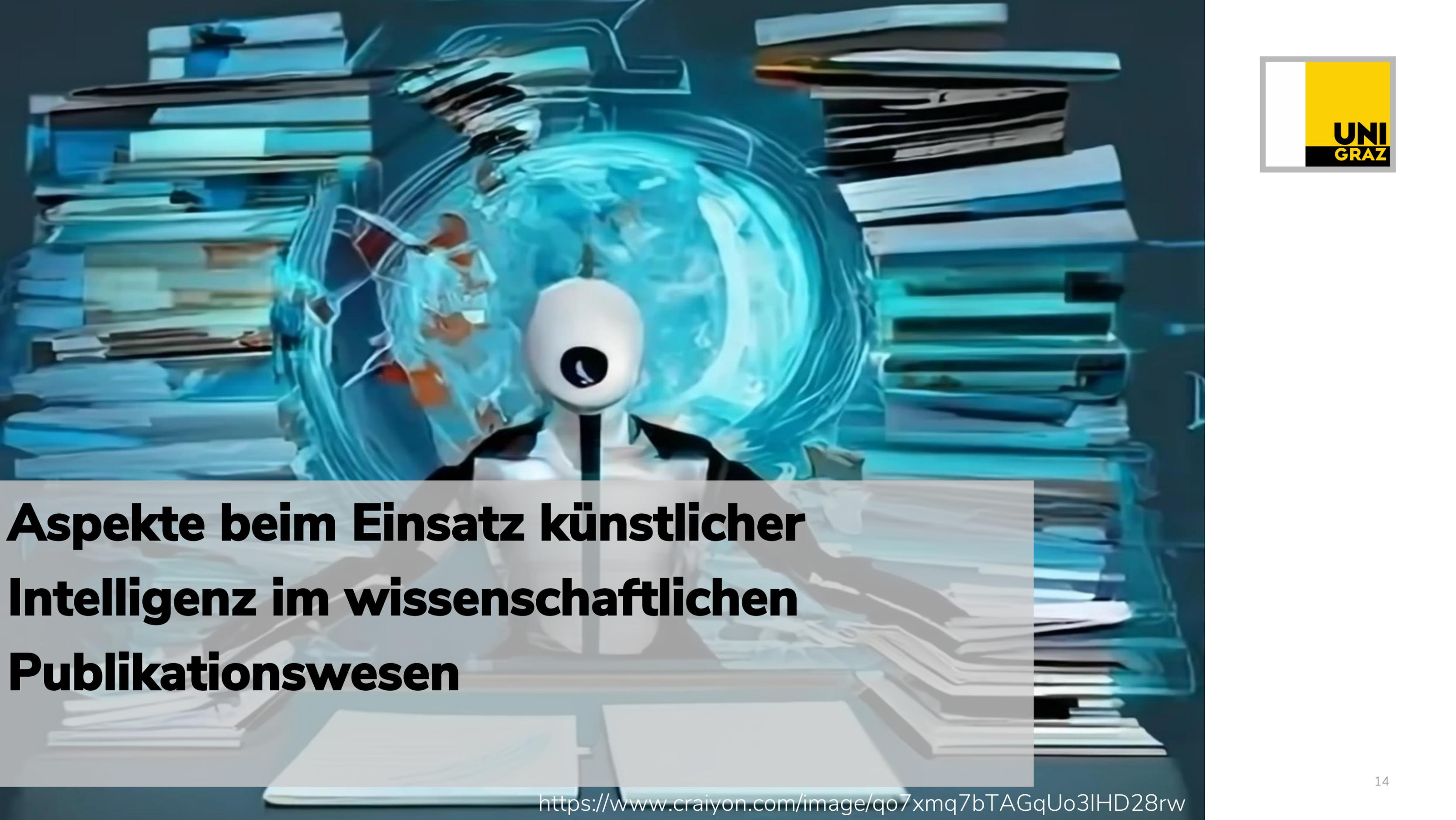
# Richtlinien im Wandel: Zeitschrift *Science* vorher - nachher



**Artificial intelligence (AI).** AI-assisted technologies [such as large language models (LLMs), chatbots, and image creators] do not meet the *Science* journals' criteria for authorship and therefore may **not be listed as authors or coauthors**, nor may sources cited in *Science* journal content be authored or coauthored by AI tools. Authors who use AI-assisted technologies as components of their research study or as aids in the writing or presentation of the manuscript **should note this in the cover letter and in the acknowledgments section** of the manuscript. Detailed information should be provided in the methods section: The **full prompt used** in the production of the work, as well as the **AI tool and its version**, should be disclosed. Authors are accountable for the accuracy of the work and for ensuring that there is no plagiarism. They must also ensure that all sources are appropriately cited and should carefully review the work to guard against bias that may be introduced by AI. Editors may decline to move forward with manuscripts if AI is used inappropriately. Reviewers may not use AI technology in generating or writing their reviews because this could breach the confidentiality of the manuscript.

**März 2024**

<https://www.science.org/content/page/science-journals-editorial-policies>

A stylized illustration of a glowing blue brain with a white eye-like center, surrounded by stacks of books and papers in a library setting. The brain is the central focus, with light rays emanating from it, symbolizing artificial intelligence and knowledge.

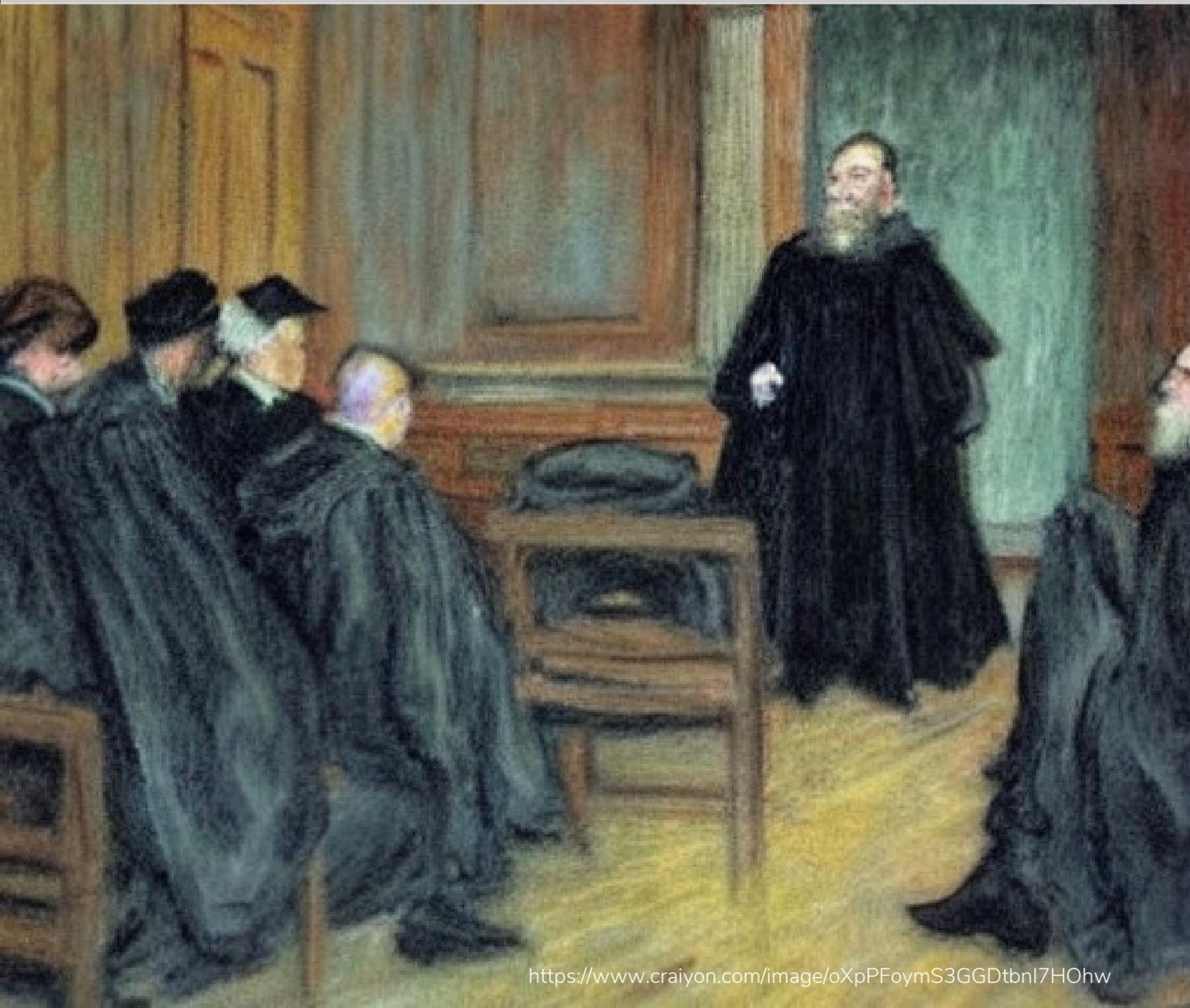
# Aspekte beim Einsatz künstlicher Intelligenz im wissenschaftlichen Publikationswesen

# Autorschaft und Verantwortlichkeit



- KI erfüllt nicht die Kriterien für Autorschaft
- Autor:innen müssen die Verantwortung für den gesamten Inhalt, auch den der KI übernehmen
- Beiträge von KI Tools müssen transparent und nachvollziehbar dokumentiert werden
- Ergebnisse von KI-gestützten Studien sollten ebenso reproduzierbar sein – Problem!

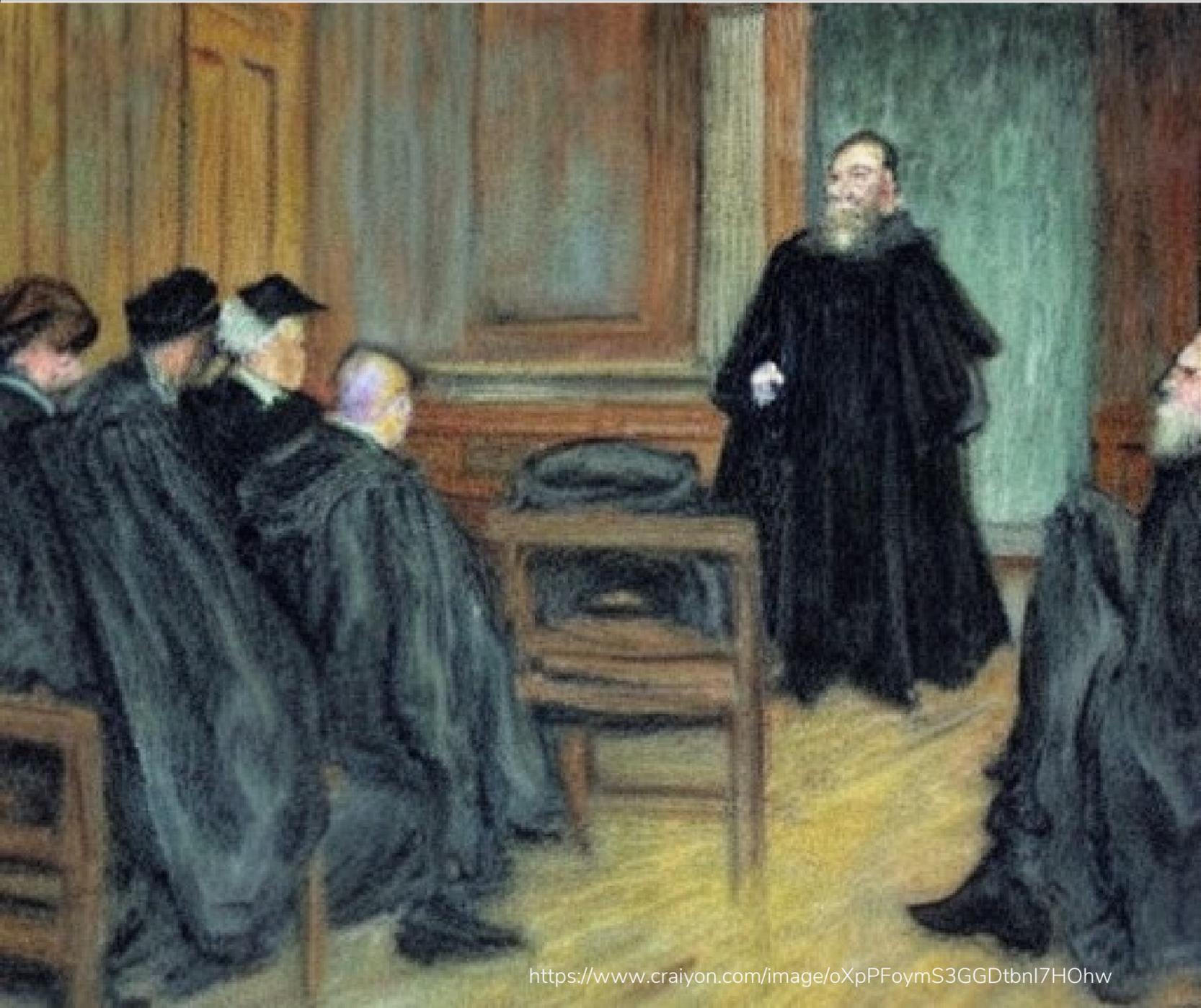
# Rechtliche Aspekte



<https://www.craiyon.com/image/oXpPFoymS3GGDtbnl7HOhw>

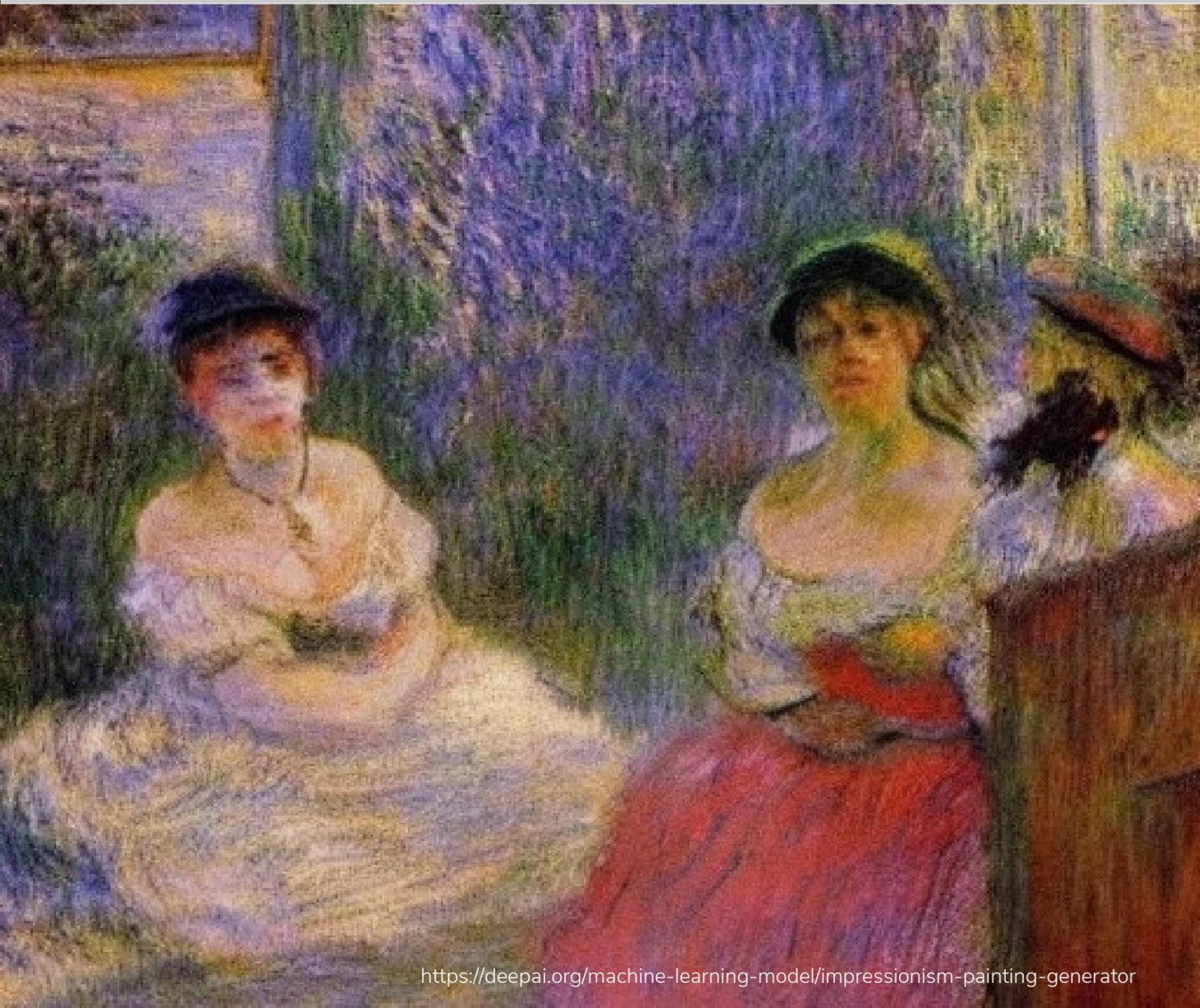
- Abgrenzung zwischen problematischem und wenig problematischem Einsatz von KI
  - In welchem Stadium der wiss. Arbeit setze ich KI ein?
    - Idee / Konzept, Literaturrecherche
    - Datenerhebung und -analyse
    - Interpretation der Ergebnisse und Conclusio
    - Verfassen der Texte / Bias Analyse
    - Review / Plagiatserkennung (Achtung, KI kann unabsichtlich Plagiate einbauen!)
    - Übersetzung / Sprachliche Verbesserungen
- Ab wann ist es „eine eigentümliche, geistige Schöpfung“ und ab wann hat die KI mehr Anteil an der Arbeit als der/die Autor:in?

# Rechtliche Aspekte



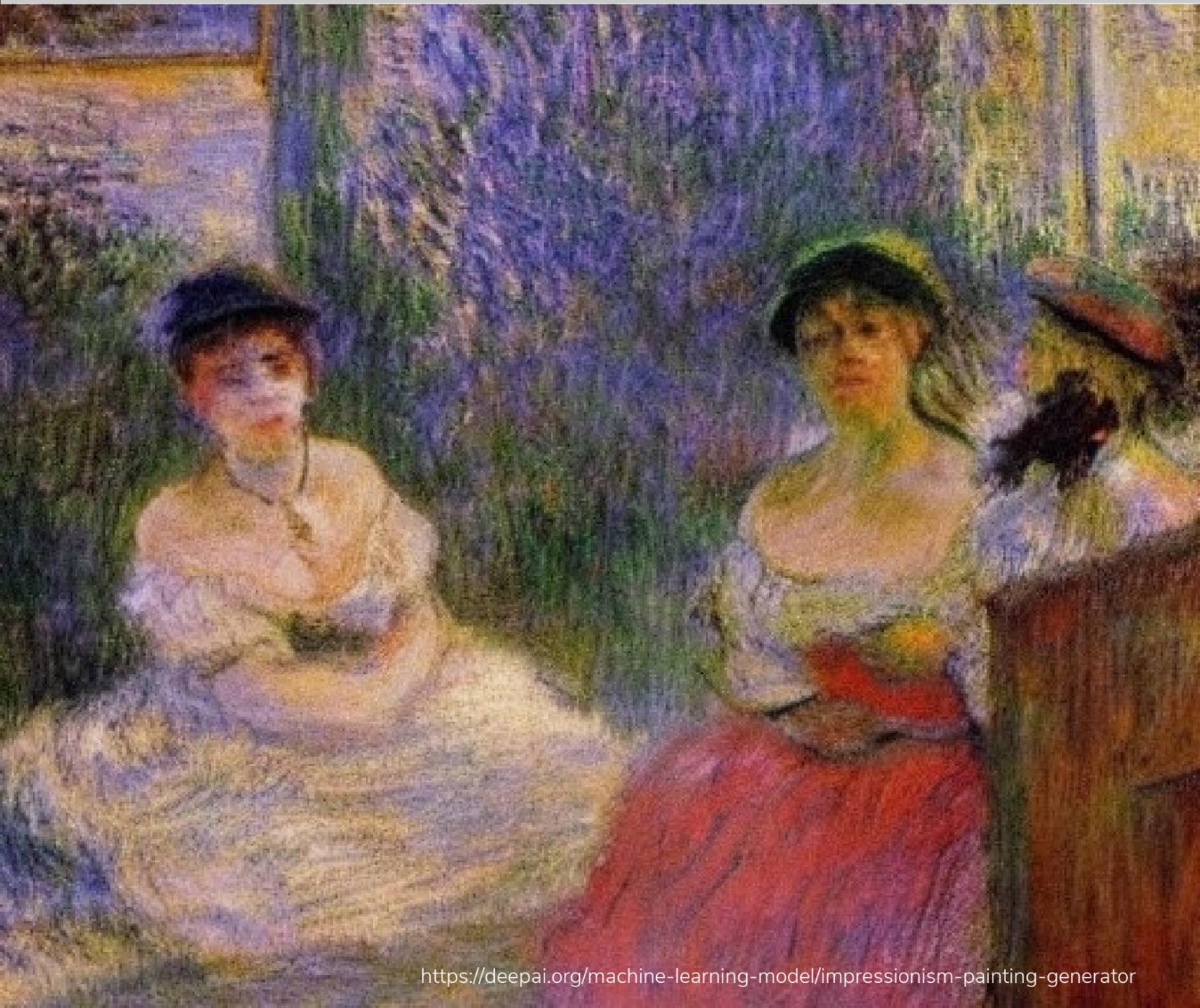
- Datenschutz
  - Persönliche oder vertrauliche Informationen nicht in eine cloudbasierte KI eingeben

# Ethische Aspekte



- Gute wissenschaftliche Praxis:
  - Abgrenzung zwischen eigenem und fremdem Inhalt – Wo ist die Grenze?
  - Gen KI kann einen Bias haben
    - Jedoch: sind wir bias-free?
    - Gen KI können wir Text generieren lassen aus der Sicht eines anderen als dem/der Autor:in
- Ausgleich sprachlicher Diskriminierung: KI kann Chancengleichheit fördern
- Bei der Datengenerierung: informed consents sollten zukünftig den Einsatz von, bzw. Datenweitergabe an KI enthalten wenn das geplant ist
- Teure Lizenzen werden unfaire Bedingungen schaffen

# Ethische Aspekte



- Woher stammen die Daten, die für die KI-Modelle verwendet wurden?
- Wie können wir sicherstellen, dass LLMs nicht auf Predatory Inhalten trainiert wurden?
  - Gar nicht! Vorteil von „kleinen“ LLMs wie Scopus AI
- Bei manchen Recherchertools kann man eine Auswahl an papers zur Verfügung stellen, an Hand derer zB. eine Forschungsfrage beantwortet werden soll

# KI-Tools für Autorinnen

# KI-Tools für Autor:innen

Tools für ...

- ... Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen
  - ... Übersetzung
  - ... Vereinfachung von Texten
  - ... Überprüfung auf Inhalt, Aufbau/Struktur etc.
  - ... das Finden passender Journals (Journal Recommender Systems)
- 
- ▶ Meist kostenfreie Registrierung erforderlich
  - ▶ Meist Freemium – in der Gratis-Version nur eingeschränkt nutzbar (z.B. Wort- oder Zeichenbegrenzung)
  - ▶ Nicht alle Textänderungen/-übersetzungen sind fehlerfrei/korrekt!



# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



Toolbaz

<https://toolbaz.com/>

- Sammlung von zahlreichen AI-Tools zur Erstellung und Bearbeitung von Texten, sortiert nach Einsatzmöglichkeiten
- Keine Registrierung erforderlich

A screenshot of the ToolBaz.com website homepage. The page has a white header with the 'ToolBaz.com' logo on the left and links for 'Blog', 'Report Bug', and 'Tools Suggest' on the right. Below the header is a large red banner with the text 'Free AI Writer Tools' and a sub-headline 'Get your writing done faster and easier with AI tools that help you write better.' Underneath the banner is a search bar with the placeholder text 'Search for your tools'. Below the search bar is a red box with the text 'Article &amp; Content Writer Tools' and 'Looking for better way to write your content or articles? Check out these tools!'. At the bottom, there are two white boxes with icons and text: 'AI Writer' with a notepad icon and 'AI Content Generator' with a document icon.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



- Unter der Überschrift „Rewriter Tools“ finden sich einige kostenlose AI-Tools zum Verbessern und Zusammenfassen von Texten

The screenshot shows a web interface titled 'Rewriter Tools' with a red header. Below the header, there are five tool cards arranged in a grid. The 'Paragraph Rewriter' and 'AI Summarizer' cards are highlighted with a yellow border. The tools listed are:

- AI Plagiarism Remover (icon: document with circular arrows)
- Sentence Rewriter (icon: document with a red arrow pointing to a new line)
- Paragraph Rewriter (icon: document with a gold coin)
- Essay Rewriter (icon: document with a red circle and a checkmark)
- AI Summarizer (icon: document with a pencil)

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



ToolBaz.com [Blog](#) [Report Bug](#) [Tools Suggest](#)

## AI Paragraph Rewriter

Re-write Paragraph with AI-powered precision

 Enter your paragraph to re-write

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

Creativity :  (6/10)

← Absatz einfügen

← Kreativitätslevel 0-10 einstellen

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



The screenshot displays the ToolBaz.com website interface. At the top left, the logo 'ToolBaz.com' is visible. To the right, there are navigation links for 'Blog', 'Report Bug', and 'Tools Suggest'. The main content area features a large orange button labeled 'REWRITE'. Below this button is a text input field containing the following text: 'Academic search engine optimization (ASEO) aids in increasing the discoverability of publications in academic search engines and databases. By making strategic adjustments to titles, keywords, and abstracts, authors can enhance the ranking of their publications. Thoughtful wording can greatly improve the visibility and potential citation rate of these works. This article aims to assist authors in promoting the visibility of their scholarly publications.' To the left of the text input field is a vertical stack of social media sharing icons: Facebook, Twitter, Reddit, and a plus sign for additional options. Below the text input field, a small blue box indicates 'WORDS: 63'. At the bottom of the interface, there is a 'Creativity' slider set to 6/10.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



 ToolBaz.com [Blog](#) [Report Bug](#) [Tools Suggest](#)

## AI Summarizer

Automate Your Summarization Tasks with AI

 **Paste your text to summarize**

How relevance ranking is done  
In order to perform such relevance sorting, a large number of factors are taken into account. The basic mechanisms of the relevance ranking can be identified even though commercial providers usually do not disclose how exactly these factors are considered. One key element is bibliographic metadata: formal data such as titles, subtitles, names of the authors, identifiers and keywords are analyzed and ranked for each search query. The search system assesses the frequency of the search term in the metadata as well as the position of the search term within the publication. When the search query is 'climate change', for example, a document containing the search term in its title will be ranked higher compared to a document where the term only appears in the abstract.

← Text einfügen

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



The screenshot shows the ToolBaz.com website interface. At the top left is the logo and name 'ToolBaz.com'. To the right are links for 'Blog', 'Report Bug', and 'Tools Suggest'. A prominent red button labeled 'WRITE' is centered on the page. Below it is a text input area containing a paragraph about relevance ranking. A yellow callout box on the right side of the interface displays the text: 'Beispieltext: 300 Wörter' and 'Zusammenfassung: 55 Wörter'. Below the text input area, a dark blue button shows 'WORDS: 55'. At the bottom of the page, there is a small text snippet: 'search term within the publication. When the search query is 'climate change', for example, a document containing the search term in its title will be ranked higher compared to a document where the term only appears in the abstract.'

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



Wordvice

<https://wordvice.ai/>

- Sammlung von Tools, z.B. Proofreader, Paraphraser, Summarizer, Translator
- In der Gratis-Variante sind diese Tools auf 500 Wörter/Anfrage und 5000 Wörter/Monat begrenzt
- Registrierung erforderlich

The screenshot shows the Wordvice AI website interface. At the top, it says 'WORDVICE AI' with a hamburger menu icon. The main heading is 'English Grammar Checker & AI Editor'. Below this, there is a description: 'English Grammar Checker. Wordvice AI automatically finds and corrects errors in academic papers, SOPs, assignments, business emails, and other English writing.' A list of features follows: 'Real-time grammar and punctuation checks', 'Vocabulary, tone, and style corrections suitable for English writings', 'Provides easy-to-understand error descriptions', and 'Specialized in academic papers, business/email text corrections'. On the right side, there is a preview of a document titled 'Thesis for successful business' with the text: 'Then, through the skills, connections, and equity acquiring from the above business plan I hope to obtain my ultimate goal of opening a non-profit organization.' Below the text is a 'Proofread Now' button and a word count of '25 words'. On the far right, there are social media icons for LinkedIn, Facebook, and Twitter, and an email icon.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



The screenshot shows the WORDVICE AI interface. At the top left, the text 'WORDVICE AI' is displayed. Below it is a navigation bar with icons and labels for 'AI Proofreader', 'AI Paraphraser', 'AI Summarizer', 'AI Translator', 'AI Plagiarism Checker', and 'AI D'. The main section is titled 'AI Proofreader'. It features two dropdown menus for style selection, currently set to 'Standard' and 'Academic'. Below the menus is a text input area containing a paragraph of text. To the right of the text is a sidebar with a 'Suggest' button and a list of suggestions, including 'can Clarity issue' and 'be found Clarity issue'. At the bottom, there is a 'Proofread Now' button and a set of navigation icons (undo, redo, copy, paste, etc.).

← Proofreader, Paraphraser, Summarizer etc. auswählbar

← Stil wählbar: Standard, Academic mit weiteren Auswahlmöglichkeiten in den Drop-Down-Menüs

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



WORDVICE AI

AI Proofreader | AI Paraphraser | AI Summarizer | AI Translator | AI Plagiarism Checker | AI Detector

## AI Proofreader

Standard | Academic

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

62 / 500 Words

Proofread Now

- academic search eng...  
Formatting issue
- can  
Clarity issue
- be found  
Clarity issue

< ✓ ✓ ✓ >

← Änderungen werden im Text gekennzeichnet

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



WORDVICE AI

AI Proofreader | AI Paraphraser | AI Summarizer | AI Translator | AI Plagiarism Checker | AI Detector

## AI Proofreader

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62 / 500 Words

Proofread Now

- academic search eng...  
Formatting issue
- can  
Clarity issue
- be found  
Clarity issue

Suggestions

← Rechts werden die Verbesserungen angezeigt

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



WORDVICE AI

AI Proofreader | AI Paraphraser | AI Summarizer | AI Translator | AI Plagiarism Checker | AI Detector

## AI Proofreader

Standard | Academic

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

62 / 500 Words

Proofread Now

Bei Klick auf eine Korrektur öffnen sich Detailinformationen:

- Clarity issue

can be

This word or phrase makes the meaning unclear. Consider removing or changing for clarity.

✓ ✖

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



WORDVICE AI

AI Proofreader AI Paraphraser AI Summarizer AI Translator AI Plagiarism Checker

## AI Paraphraser

Modes: Fluent **Academic** Professional - formal Professional - friendly Creative

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

62 / 500 Words

**Paraphrase**

Through the utilization of academic search engine optimization (ASEO), scholarly works can be enhanced for better visibility in academic search engines and databases. Authors have the opportunity to enhance the discoverability of their publications by optimizing titles, keywords, and abstracts. By employing strategic language choices, publications can be more readily located and potentially receive increased citations. The objective of this article is to provide guidance to authors seeking to enhance the visibility of their academic publications.

78 Words

- Paraphraser korrigiert und formuliert um
- Änderungen werden nicht gekennzeichnet
- Gratis-Version: Wahl des Stils zwischen Fluent und Academic

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



WORDVICE AI

AI Proofreader AI Paraphraser AI Summarizer AI Translator AI Plagiarism Checker

## AI Summarizer

What is ASEO?  
Search engine optimization (SEO)<sup>1</sup> is a strategy used in online marketing to improve the findability of websites and documents in search engines. Commercial websites have been applying SEO broadly for years. Academic search engine optimization (ASEO) specifically refers to academic texts and aims both at providing researchers with the best possible support in finding relevant results for their search queries and at helping authors to achieve a better ranking of their own publications in search engines and databases. Elements to be 'optimized' include the wording of title and abstract as well

488 / 500 Words

Summarize

- ASEO stands for Academic Search Engine Optimization and is used to improve the findability of academic texts in search engines.  
- ASEO involves optimizing elements such as title, abstract, keywords, and metadata to help researchers find relevant results and authors achieve better rankings for their publications.  
- The visibility and discoverability of scholarly publications are crucial for researchers and institutions, as they impact the number of views, downloads, and citations a publication receives.  
- Research funders emphasize the importance of dissemination strategies for research impact, with guidelines provided for using social media effectively

177 Words

- Summarizer kürzt Texte
- Mitkopierte Zeilenumbrüche werden ignoriert
- Beispieltext: 488 Wörter, Zusammenfassung: 177 Wörter

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



Smodin

<https://smodin.io>

- Sammlung von Tools, z.B. Rewrite, Summarizer, Plagiarism Checker

The screenshot shows the Smodin website homepage. At the top, there is a navigation bar with a menu icon, the Smodin logo (a red devil face), the name 'Smodin', a language selector '(En)', and a 'Login' button. The main content area has a light blue background with the headline 'Write, Solve, Succeed' and a sub-headline 'Join our community of 10M+ Students, Teachers and Writers'. A prominent blue button says 'Start Now For Free'. Below this, four service cards are displayed: 'Rewrite' with a document and refresh icon, 'AI Content Detector' with a document and a '60.7% AI' label, 'Solve' with a math symbol  $\sqrt{x} ?$  and a checkmark icon, and 'AI Grader' with a document and a 'B+(87%) Final Grade' label.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



In der Sidebar sind die Tools über Icons wählbar →

Rewrite: Direkte Eingabe oder Upload des Textes als Word oder PDF →

Mit Klick auf „Show Changes“ werden die Änderungen angezeigt →

The screenshot displays the Smodin AI tool interface. At the top, there is a navigation bar with the Smodin logo, a language selector set to '(En)', and a 'Try For Free' button. On the left, a sidebar contains several icons representing different tools. The main area shows a text input field with a sample paragraph about Academic Search Engine Optimization (ASEO). Below the text, there is an 'Upload' button with a file icon and the text '(Upload) 428/1000 (.doc, .docx, .pdf)'. At the bottom right, there are buttons for 'Check For Plagiarism', 'Pdf', and 'Word'. A 'Show Changes' button is also present near the bottom right of the text area.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



 **Smodin** (En) [Try For Free](#) [Login](#)

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

With ~~the Academic help Search of Engine academic Optimization search-engine optimization~~ (ASEO), publications can **be found** more easily ~~be found~~ in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords, and abstracts. ~~Carefully Well-thought-out considered~~ wording ~~makes can publications make a publication~~ easier to find and, ideally, ~~cited easier more to often cited~~ **cited** ~~aims meant~~ to support authors in making their scholarly publications more visible.

[Hide Changes](#)

[Check For Plagiarism](#)

[Pdf](#) [Word](#)

[Upload](#) 428/1000  
(.doc, .docx, .pdf)

← als PDF oder Word downloadbar

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



## Summarizer

- Direkte Eingabe oder Upload des Textes
- Generierte Zusammenfassung kann als PDF heruntergeladen werden

The screenshot shows the Smodin Summarizer web application interface. At the top, there is a navigation bar with the Smodin logo, a language selector set to 'English', a 'Try For Free' button, and a 'Login' link. The main content area is titled 'Summarizer' and is divided into three sections: 'Settings', 'Text Input', and 'Summary'. The 'Settings' panel on the left includes a 'Mode' selector with 'Extractive' (one lightning bolt) and 'Abstractive' (three lightning bolts) options, a 'Sentences' slider set to 3, and a 'Summarize' button. The 'Text Input' section contains a text area with a sample paragraph about search engine algorithms and relevance ranking, and a character count of 1,696/5,000. The 'Summary' section displays a generated summary of the input text, with 'Download' and 'Copy' buttons below it. At the bottom right, there is a feedback form asking 'How do you like the result?' with a star rating and a 'Submit' button.

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen

Wordvice, Toolbaz, Smodin:

- Generierter Text kann nicht bearbeitet werden
- Keine Option, alternative Formulierungsvorschläge oder Synonyme anzeigen zu lassen

→ Bei DeepLWrite und Quillbot ist das möglich



# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



DeepLWrite

<https://www.deepl.com/write>

(Derzeit) Wahl zwischen Deutsch, britischem und amerikanischem Englisch →

The screenshot shows the DeepL Write interface. At the top left is the DeepL logo and a 'Write' button with a dropdown arrow. Below this is a grey header with the text 'Bessere Texte im Handumdrehen' and 'Schreiben Sie klar, präzise und fehlerfrei'. The main area shows a language selection dropdown currently set to 'Englisch (britisch)'. A dropdown menu is open, showing three options: 'Englisch (britisch)' (selected with a blue checkmark), 'Englisch (amerikanisch)', and 'Deutsch'. To the right of the dropdown is a 'Umformulieren' button. Below the dropdown, there is a text prompt: 'Klicken Sie auf ein beliebiges Wort, um Synonyme zu erhalten oder einen Satz umzuformulieren.'

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



The screenshot shows the DeepL website interface. At the top left is the DeepL logo and a 'Write' button. At the top right is the 'Anmelden' button and a menu icon. The main heading is 'Bessere Texte im Handumdrehen' with a sub-heading 'Schreiben Sie klar, präzise und fehlerfrei'. A yellow highlight box contains the text: 'Wahl zwischen Korrigieren und Umformulieren sowie zwischen verschiedenen Schreibstilen →'. Below this, there are buttons for 'Umformulieren', 'Stil', and a three-dot menu. On the left, there is a language selection dropdown menu with 'Englisch (britisch)' selected. Below the language menu, there is a text input area with the text 'oder einfügen, vorschläge zu'. At the bottom left, there is a note: 'Klicken Sie auf ein beliebiges Wort, um Synonyme zu erhalten oder einen Satz umzuformulieren.'

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



DeepL Write Anmelden

ch (britisch) ↔ Umformulieren Stil ⋮

× the help of academic search engine optimization (ASEO), publications can easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

Academic Search Engine Optimisation (ASEO) makes it easier to find publications in in scholarly search engines and databases. Authors can improve the ranking of their publications by Adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to and, ideally, cited more often. This article aims to assist authors in making their scientific publications more publications more visible.

Wahl zwischen Anzeige/Nicht-Anzeige der Änderungen

abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

Write Anmelden

↔ Umformulieren Stil ⋮

× academic search engine optimization (ASEO), publications can be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

🔒 ~~With the help of academic search engine optimization~~ → Academic Search Engine Optimisation (ASEO), ~~publications can more easily be found~~ → ) makes it easier to find publications in in ~~academic~~ → scholarly search engines and databases. Authors can improve the ranking of their publications by ~~adjusting~~ → Adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



Modus: Umformulieren ▾ Stil ▾ ⋮

Academic Search Engine Optimisation (ASEO) makes publications easier to find in academic search engines and databases. Authors can improve the ranking of

↶ Satz umformulieren Wort austauschen ✕

Academic Search Engine Optimisation (ASEO) makes it easier for publications to be found in academic search engines and databases.

Academic Search Engine Optimisation (ASEO) improves visibility in academic search engines and databases.

Academic Search Engine Optimisation (ASEO) makes publications more discoverable in academic search engines and databases.

🗨️ 🗨️ 🗨️ 🗨️ 🗨️ 🗨️

- Wörter und Sätze sind anklickbar
- Synonyme und andere Satzformulierungen werden vorgeschlagen

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



Quillbot

<https://quillbot.com/>

In der Sidebar sind die Tools über Icons wählbar →

The screenshot shows the QuillBot website interface. At the top, the QuillBot logo and the word "Paraphraser" are visible. Below the logo is a sidebar with several tool icons: Paraphraser (selected), Grammar Checker, QuillBot Flow, Plagiarism Checker, Summarizer, and Translator. The main content area shows a dropdown menu for "Modes" with options: Standard (highlighted), Fluency, Formal, Academic, Simple, Creative, Expand, and Shorten. A "Synonyms" slider is also visible. The background text of the page is partially visible, showing words like "With the", "engine", "publica", "found in", "and dat", "the ran", "adjustir", "abstrac", "c search", "O)", "sily be", "n engines", "an improve", "cations by", "and", "dered", "Publication", "search eng", "readily with", "engine opti", "the names,", "their paper", "publication", "language fa".

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



QuillBot Paraphraser

English (US) French Spanish German All

Modes: Standard Fluency Formal Academic Simple Creative Expand Shorten

Synonyms: [Slider]

Publications can be located in academic search engines and databases more readily with the aid of academic search engine optimization (ASEO). By changing the names, keywords, and abstracts of their papers, authors can raise their publications' rankings. Well-crafted language facilitates finding articles and,

Upgrade to Premium

Freeze Words

Compare Modes

Statistics

Paraphraser: Wahl zwischen Schreibstilen →

← Zahlreiche Sprachen zur Auswahl, weitere über „All“

← Ausmaß der Verwendung von Synonymen einstellbar

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



The screenshot shows the QuillBot Paraphraser interface. The top navigation bar includes the QuillBot logo, the word "Paraphraser", a green "Upgrade to Premium" button, an American flag, and a user icon labeled "K". On the left sidebar, there are icons for Paraphraser, Grammar Checker, QuillBot Flow, Plagiarism Checker, Summarizer, and Translator. The main area features a language selector (English (US), French, Spanish, German, All) and a "Modes" dropdown menu currently set to "Standard". A "Synonyms" slider is also visible. A yellow callout box contains the text: "• Änderungen sind farbcodiert" and "• Mit Klick auf ein Wort werden Synonyme angezeigt". The input text is partially visible, and the output text shows several words and phrases highlighted in orange and blue, indicating changes made by the tool.

English (US) French Spanish German All

Modes: Standard Synonyms: [Slider]

Standard  
Fluency  
Formal  
Academic  
Simple  
Creative  
Expand  
Shorten

With th... c search  
engine... O),  
publica... sily be  
found in... n engines  
and dat... an improve  
the ran... cations by  
adjustir... and  
abstrac... dered

Publications can be **located** in academic search engines and databases more readily with the **aid of academic search engine optimization** (ASEO). By **changing** the **names, keywords, and abstracts of their papers**, authors can **raise** their publications' **rankings**. Well-crafted language facilitates finding articles and,

History  
Freeze Words  
Compare Modes  
Statistics  
Translator

• Änderungen sind farbcodiert  
• Mit Klick auf ein Wort werden Synonyme angezeigt

# KI-Tools für Textüberarbeitung, Grammatik-Check, stilistische Verbesserungen



QuillBot Summarizer Upgrade to Premium

Summary Length: Short Long

Modes: Paragraph Bullet Points

Unverändert in die Zusammenfassung übernommene Passagen werden im Ausgangstext blau gekennzeichnet

identifiers and keywords are analyzed and ranked for each search query. The search system assesses the frequency of the search term in the metadata as well as the position of the search term within the publication. When the search query is 'climate change' for

Bibliographic metadata, including titles, subtitles, author names, identifiers, and keywords, is analyzed and ranked for each search query. The search system assesses the frequency and position of the search term within the publication. Relevance points are assigned to documents based on the frequency of the term in metadata, abstract, and full text. Open access to the full text improves relevance

# KI-Tools für Übersetzungen

Einige der genannten Tools zur Textbearbeitung bieten auch ein Übersetzungstool:

- DeepL
- Wordvice AI Translator
- Quillbot Translator
- Smodin Translator



# KI-Tools für Übersetzungen



WORDVICE AI

AI Proofreader AI Paraphraser AI Summarizer **AI Translator** AI Plagiarism Checker AI Detector

## AI Translator

English → German

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

Mithilfe von akademischer Suchmaschinenoptimierung (ASEO) können Veröffentlichungen leichter in akademischen Suchmaschinen und Datenbanken gefunden werden. Autoren können das Ranking ihrer Veröffentlichungen verbessern, indem sie Titel, Schlüsselwörter und Abstracts anpassen. Sorgfältig gewählte Formulierungen machen Veröffentlichungen leichter auffindbar und idealerweise häufiger zitiert. Dieser Artikel soll Autoren dabei unterstützen, ihre wissenschaftlichen Veröffentlichungen sichtbarer zu machen.

428 / 500 Characters **Translate**

← Zahlreiche Sprachen zur Auswahl über Drop-Down-Menüs

← Keine Anzeige/Auswahl von Synonymen möglich

# KI-Tools für Übersetzungen



☰  Smodin 🌐 (En) [Try For Free](#) [Login](#)

## Translate one text into multiple languages

Input 🌐 (En) ▾

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.



 **Upload** 428/1000  
(.doc, .docx, .pdf)

High Paying

<input checked="" type="checkbox"/> English (English)	<input type="checkbox"/> Arabic (عربي)
<input type="checkbox"/> Bengali (বাঙালি)	<input type="checkbox"/> Bulgarian (български)

← Zahlreiche Sprachen zur Auswahl

# KI-Tools für Übersetzungen

A screenshot of a software interface. On the left is a vertical sidebar with several blue icons: a document, a magnifying glass, a pencil, a speech bubble, a hand holding a document, a list, and a gear. The main area contains a blue-bordered box with the word 'German' on the left and a paragraph of text on the right. To the right of the text box is a blue square icon with a white document symbol. Below the text box is a light blue horizontal bar.

**German**

Mit Hilfe der akademischen Suchmaschinenoptimierung (ASEO) können Publikationen in wissenschaftlichen Suchmaschinen und Datenbanken leichter gefunden werden. Autoren können das Ranking ihrer Publikationen verbessern, indem sie Titel, Schlüsselwörter und Abstracts anpassen. Durch sorgfältig durchdachte Formulierungen werden Publikationen leichter auffindbar und im Idealfall häufiger zitiert. Dieser Artikel soll Autoren dabei unterstützen, ihre wissenschaftlichen Publikationen sichtbarer zu machen.

← Keine Anzeige/Auswahl von Synonymen möglich

# KI-Tools für Übersetzungen



← Zahlreiche Sprachen zur Auswahl über Drop-Down-Menüs

← Keine Anzeige/Auswahl von Synonymen möglich, obwohl es diese Funktion im Paraphraser-Modul gibt

# KI-Tools für Übersetzungen



DeepL Übersetzer DeepL Pro Kostenloses Probeabo starten Anmelden

Englisch (erkannt) Deutsch

With the help of academic search engine optimization (ASEO), publications can more easily be found in academic search engines and databases. Authors can improve the ranking of their publications by adjusting titles, keywords and abstracts. Carefully considered wording makes publications easier to find and, ideally, cited more often. This article is meant to support authors in making their scholarly publications more visible.

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Alternativ... Wörterbu...

- Datenbanken ...
- Suchdiensten ...
- Suchsystemen ...
- Forschungsmaschinen ...
- Suchmaschinen ...
- Suchmotoren ...
- Suchmaschinen ...
- Suchmaschine ...

Wörterbuch

← Zahlreiche Sprachen zur Auswahl über Drop-Down-Menüs

Anzeige/Auswahl von Synonymen möglich →

# KI-Tool zur Vereinfachung von Texten



Wortliga Plain

<https://wortliga.de/plain/>

- Übersetzt Texte in das Zielniveau B1-B2
- Funktioniert (derzeit) nur auf Deutsch und englisch
- Wenn man mit dem generierten Text nicht zufrieden ist, kann man sich eine Alternative generieren lassen.

**PLAIN** beta

## Der KI-Übersetzer für Einfache Sprache

Inklusive Verbesserung von Rechtschreibung, Grammatik und Stil

Through academic search engine optimization (ASEO), publications become easier to find in academic search engines and databases. Authors can enhance their publications' rankings by modifying titles, keywords, and abstracts. Choosing words carefully helps make publications more discoverable and, ideally, cited more frequently. This article aims to help authors increase the visibility of their scholarly publications.

Sprachniveau C1, 55 Wörter, 418 Zeichen

Aktualisieren / Alternative anzeigen

# KI-Tool zur Vereinfachung von Texten



**PLAIN** beta Menü

## Der KI-Übersetzer für Einfache Sprache

Inklusive Verbesserung von Rechtschreibung, Grammatik und Stil

<p>Through academic search engine optimization (ASEO), publications become easier to find in academic search engines and databases. Authors can enhance their publications' rankings by modifying titles, keywords, and abstracts. Choosing words carefully helps make publications more discoverable and, ideally, cited more frequently. This article aims to help authors increase the visibility of their scholarly publications.</p>	<p>Academic Search Engine Optimization (ASEO) makes publications easier to find in search engines and databases. Authors can improve their publications' rankings. They do this by changing titles, keywords, and abstracts. Selecting the right words makes publications easier to discover. This often leads to more citations. The goal of this article is to help authors make their scholarly works more visible.</p>
Sprachniveau C1, 55 Wörter, 418 Zeichen	Sprachniveau B1, 60 Wörter, 403 Zeichen

[Aktualisieren / Alternative anzeigen](#) [← Alternativen generieren](#)

← Beispieltext: C1 zu B1

# KI-Tools zur Überprüfung eines Manuskripts auf inhaltliche Schwächen

- AcademicGPT
- Enago AuthorOne (sehr ausführlich, aber \$29/paper)
- ResearchReviewer (Voraussetzung: ChatGPT Plus)

Für einzelne Fachgebiete:

- SciScore (Lebenswissenschaften)
- RobotReviewer (Medizin, klinische Studien)



# KI-Tools zur Überprüfung eines Manuskripts auf inhaltliche Schwächen



Beispiel: AcademicGPT

- Paper hochladen
- Auswahl zwischen „Write“, „Feedback“ und „Explain“ und Drop-Down-Menü mit weiteren Auswahlmöglichkeiten:

AcademicGPT

Drop research paper here or click to select

Write  Feedback  Explain

Select what type of section the AI should write

Abstract

- Abstract
- Conclusion
- Summary
- Future work section
- Ethical considerations section
- Presentation outline

AcademicGPT

Drop research paper here or click to select

Write  Feedback  Explain

Select what type of feedback you want from the AI

Argument strength

- Argument strength
- Language
- Coherency
- Originality
- Citation

AcademicGPT

Drop research paper here or click to select

Write  Feedback  Explain

Select how complicated the AI's explanation should be

Simple and Short

- Simple and Short
- Simple and Long
- Complex and Short
- Complex and Long

# Journal Recommender Systems

Systeme von Verlagen

- In der Regel ohne Registrierung nutzbar
- Man gibt meist Titel und/oder Abstract und/oder Keywords ein
- Ergebnisliste meist absteigend nach Relevanz sortiert

Beispiele:

- Wiley Journal Finder
- IEEE Publication Recommender
- Elsevier's JournalFinder
- Taylor & Francis' Journal Suggester
- Sage Journal Recommender



# Journal Recommender Systems

Verlagsunabhängige Systeme

Beispiele:

- JournalGuide
- The Journal/Author Name Estimator (JANE)  
-> nur PubMed/MEDLINE, d.h. nur für  
Medizin und Lebenswissenschaften geeignet
- EndNote Manuscript Matcher -> nur nutzbar  
mit Endnote-Lizenz



# Journal Recommender Systems



JournalGuide:

The screenshot shows the JournalGuide website interface. At the top left is the logo 'JournalGuide AMERICAN JOURNAL EXPERTS'. The top right navigation bar includes links for 'Search', 'Services', 'My Searches', 'My Journals', 'FAQ', 'Log in', and a green 'Sign Up' button. The main heading reads 'Find the best journal for your research.' Below this is a search interface with a 'Search journals by:' dropdown menu currently set to 'Paper Match'. Other options include 'Journal Name', 'Publisher', and 'Category'. There are three input fields: 'Manuscript title (or top keywords)' containing 'optimization publications scholarly search visibility with', 'Manuscript abstract (or supporting keywords)' containing '(ASEO), Authors Carefully It This This With abstracts. academic academic academic', and 'Scramble abstract'. A red 'SEARCH' button is positioned to the right of the input fields. At the bottom of the page, a 'Data update' notice states: 'Journal Impact Factor is not currently displayed on JournalGuide. [Read more here.](#)'

# Journal Recommender Systems



JournalGuide  
Ergebnisliste:

11 journals matched your search.

Print this page Save these

Show 10 entries

Previous 1

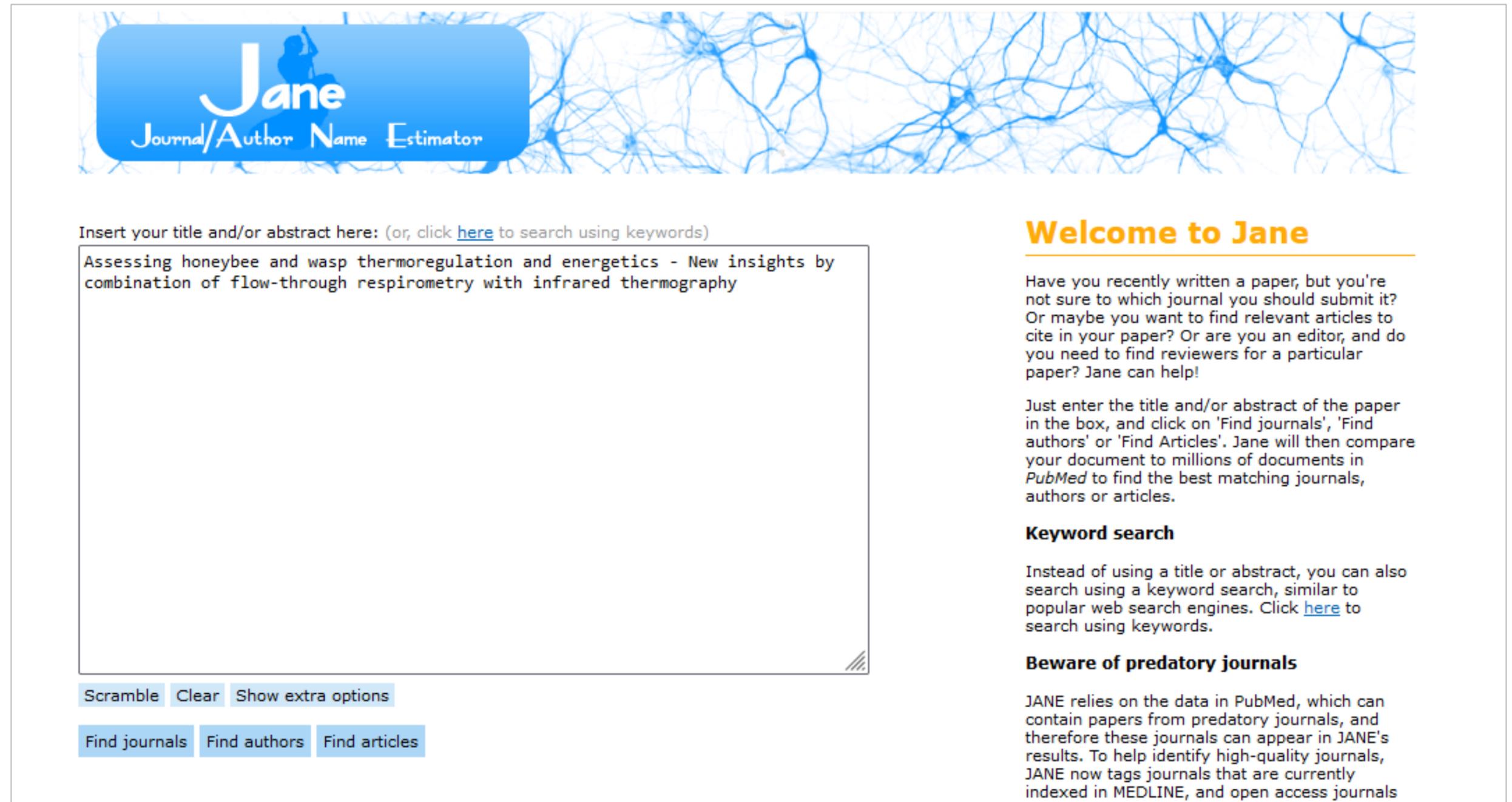
Compare	Score	Journal name	Matches	Publisher	Impact	Speed	Open access	Fo
<input type="checkbox"/>	1	Insights	1	UKSG	0.443	Unknown	No	
<input type="checkbox"/>	0.705	Online Information Review	2				No	
<input type="checkbox"/>	0.703	The Journal of Academic Librarianship	2	Elsevier	2.041	Unknown	No	
<input type="checkbox"/>	0.437	Journal of Web Librarianship	1	Taylor & Francis	1.021	Unknown	No	
<input type="checkbox"/>	0.401	Learned Publishing	1	Association of Learned and Professional Society Publishers (ALPSP)	1.366	Unknown	Yes	
<input type="checkbox"/>	0.396	Journal of Extension	1	Extension Journal	0.701	Unknown	No	
<input type="checkbox"/>	0.378	European Journal of	1	Oxford University Press	1.362	Unknown	Yes	

← Matches: Literaturzitate ähnlicher Artikel im Journal

# Journal Recommender Systems



Journal/Author  
Name Estimator  
(JANE):



The screenshot shows the JANE website interface. At the top, there is a blue banner with the 'Jane' logo and the text 'Journal/Author Name Estimator'. Below the banner, there is a text input field containing the title 'Assessing honeybee and wasp thermoregulation and energetics - New insights by combination of flow-through respirometry with infrared thermography'. To the right of the input field, there is a 'Welcome to Jane' section with a yellow heading. Below the heading, there is a paragraph of text explaining the purpose of the system. Further down, there is a 'Keyword search' section with a paragraph of text. At the bottom, there is a 'Beware of predatory journals' section with a paragraph of text. At the bottom of the input field, there are three buttons: 'Scramble', 'Clear', and 'Show extra options'. Below the input field, there are three buttons: 'Find journals', 'Find authors', and 'Find articles'.

Insert your title and/or abstract here: (or, click [here](#) to search using keywords)

Assessing honeybee and wasp thermoregulation and energetics - New insights by combination of flow-through respirometry with infrared thermography

**Welcome to Jane**

Have you recently written a paper, but you're not sure to which journal you should submit it? Or maybe you want to find relevant articles to cite in your paper? Or are you an editor, and do you need to find reviewers for a particular paper? Jane can help!

Just enter the title and/or abstract of the paper in the box, and click on 'Find journals', 'Find authors' or 'Find Articles'. Jane will then compare your document to millions of documents in *PubMed* to find the best matching journals, authors or articles.

**Keyword search**

Instead of using a title or abstract, you can also search using a keyword search, similar to popular web search engines. Click [here](#) to search using keywords.

**Beware of predatory journals**

JANE relies on the data in PubMed, which can contain papers from predatory journals, and therefore these journals can appear in JANE's results. To help identify high-quality journals, JANE now tags journals that are currently indexed in MEDLINE, and open access journals

Scramble Clear Show extra options

Find journals Find authors Find articles

# Journal Recommender Systems



JournalGuide  
Ergebnisliste:

Jane

These journals have articles most similar to your input:  
"Assessing honeybee and wasp thermoregulation and energetics - New insights by combination of flow-th..."

Confidence	Journal	Article	Articles
	Sensors (Basel, Switzerland) <span>High-quality open access</span> <span>Medline-indexed</span> <span>PMC</span>		Show articles
	PloS one <span>High-quality open access</span> <span>Medline-indexed</span> <span>PMC</span>		Show articles
	The Journal of experimental biology <span>Medline-indexed</span> <span>PMC</span>		Show articles
	Journal of thermal biology <span>Medline-indexed</span>	0.5	Show articles
	Scientific reports <span>High-quality open access</span> <span>Medline-indexed</span> <span>PMC</span>	1.9	Show articles
	Animals : an open access journal from MDPI <span>High-quality open access</span> <span>PMC</span>		Show articles
	Journal of insect physiology <span>Medline-indexed</span>	0.7	Show articles
	The Review of scientific instruments <span>Medline-indexed</span> <span>PMC</span>	0.5	Show articles
	J Comp Physiol B <span>Medline-indexed</span>	0.7	Show articles
	ACS chemical biology <span>Medline-indexed</span>	2.0	Show articles
	Proceedings. Biological sciences <span>Medline-indexed</span> <span>PMC</span>	2.3	Show articles
	Pediatrics international : official journal of the Japan Pediatric Society <span>Medline-indexed</span>	0.3	Show articles
	Applied sciences (Basel, Switzerland) <span>High-quality open access</span>	0.4	Show articles
	Adipocyte <span>High-quality open access</span> <span>Medline-indexed</span> <span>PMC</span>		Show articles
	Diabetes technology & therapeutics <span>Medline-indexed</span> <span>PMC</span>	0.7	Show articles
	J Comp Physiol A Neuroethol Sens Neural Behav Physiol <span>Medline-indexed</span>	0.7	Show articles
	International wound journal <span>High-quality open access</span> <span>Medline-indexed</span> <span>PMC</span>	0.6	Show articles
	Biology letters <span>Medline-indexed</span> <span>PMC</span>	1.4	Show articles
	Pharmaceutics <span>High-quality open access</span> <span>PMC</span>		Show articles

Show articles: Literaturzitate ähnlicher Artikel im Journal →

<https://deepai.org/machine-learning-model/cyberpunk-gen>



# KI im Peer-Review-Prozess

# KI im Peer-Review-Prozess



- Zukünftig werden noch mehr Reviewer gebraucht werden
- Reviewer dürfen nicht die Texte von submissions in cloud-basierte KI Tools hochladen
  - Manche Verlage schließen auch lokale KI Systeme aus
- Verlagsrichtlinien beachten!

# KI im Peer Review Prozess



## Vorteile

- Automatisierung von zeitintensiven Tätigkeiten
- KI als unterstützendes Werkzeug für Redakteure und Gutachter
- Nutzung von KI für Entscheidungsschreiben und Gutachterkommentare

## Nachteile

- Gefahr unzuverlässiger und inhaltlich falscher Ergebnisse
- Diskriminierung aufgrund der biases von LLMs
- mangelnde Vertraulichkeit wertvoller Forschungsdaten und geschützter Informationen durch cloud upload
- Mögliche Plagiate im Gutachten

Quelle: <https://blog.cabells.com/2023/09/13/the-role-of-generative-artificial-intelligence-in-peer-review/>

# KI im Peer Review Prozess



- Manche großen Förderorganisationen haben den Einsatz von KI im Peer Review Prozess von Grant Proposals bereits verboten:
  - z.B.: NIH, Australian Research Council
- Verlage gehen unterschiedliche Wege:
  - Bewusster Einsatz von KI Tools um Review-Zeitspannen zu kürzen
  - Bewusster Ausschluss von KI Tools, u.a. aus Gründen der Verschwiegenheit (Elsevier)

When a subject matter expert is invited to participate in the review process, the material/**manuscript must be treated as confidential**. Reviewers should **not upload the** material/manuscript or any part thereof **into a generative AI tool** as this may violate Elsevier's and/or the authors' confidentiality and proprietary rights and, where the material/manuscript contains personally identifiable information, may breach data privacy rights.

# Wie gut ist das derzeitige Peer Review überhaupt?

- Peer Reviewed
- Zeitschrift indexiert in Web of Science, IF 5.8
- „Regenerate response“ stammt aus ChatGPT
  
- Reviewer?
- Editor?
- Type setting?

<https://pubpeer.com/publications/83DCF77815DC61C4ED6DCD88847EC4>

poverty, making it a social and economic issue (Chen et al. 2022a, b, c).

## Methodology

## Research data

The study utilized annual time series data from secondary sources. The revised data from 1990 to 2020 was used to examine renewable power. Due to a lack of information, the energy consumption dataset covered from 1984 to 2015. The study includes detailed information about the data sources, connections, variables, and descriptions. Previous research has used various greenhouse gas (GHG) indicators of environmental contamination. However, CO<sub>2</sub> is widely regarded as the most harmful greenhouse contaminant and thus was chosen as the benchmark for this study. Green finance is expected to significantly impact long-term economic development, mainly through its support for renewable energy usage. Therefore, renewable energy consumption was chosen as an indicator of the level of green finance. The Chinese Statistical Yearbook provided GDP (constant 1990 RMB¥), power usage, and power production data, while the World Bank Database provided CO<sub>2</sub> emission, renewable energy consumption, and value-added agricultural data. To simplify the analysis, all values were transformed into a uniform format. **Regenerate response.**



# Wie gut ist das derzeitige Peer Review überhaupt?



- Peer Reviewed
- „Certainly, here is“ ist ein typischer Anfang einer Prompt Antwort
- stammt aus ChatGPT

in for the products and provide their owners the right to request delivery of the items from the carrier. The ability to sell products while they are in route is a crucial feature of transport papers in international trade.

## REVIEW OF LITERATURE

Certainly! Here is a review of the literature on the carriage of goods under international commercial law:

**"Carriage of Goods by Sea" by John Wilson:** This book provides a comprehensive overview of the legal principles governing the carriage of goods by sea. It covers the Hague-Visby Rules, the Rotterdam Rules, and other relevant international conventions. The author explores topics

# Wie gut ist das derzeitige Peer Review überhaupt?



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## 1. Introduction

**Certainly, here is** a possible introduction for your topic: Lithium-metal batteries are promising candidates for high-energy-density rechargeable batteries due to their low electrode potentials and high theoretical capacities [1], [2]. However, during the cycle, dendrites forming on the lithium metal anode can cause a short circuit, which can affect the safety and life of the battery [3], [4], [5], [6], [7], [8], [9]. Therefore, researchers are

# KI-Tools für Peer Review



## Research Reviewer

- Basiert auf ChatGPT
- ChatGPT Plus notwendig
- Für die Überprüfung eigener Manuskripte geeignet
- Sample prompts:
  - Give me a rating of this paper
  - List strenghts and weaknesses
  - Write a short summary to editor
  - Show me detailed review
- <https://theresanaiforthat.com/gpt/research-reviewer/>



# KI-Tools für Peer Review



## Academic Research Reviewer

- Basiert auf ChatGPT
- ChatGPT Plus notwendig
- Sample prompts:
  - Review my manuscript's methodology section.
  - Can you assess the data analysis in my paper?
  - Feedback on my literature review, please.
  - Evaluate the conclusions in my study.
  - Provide a thorough review of the attached manuscript with section wise suggestions for improvement



# Reviewer finden mit KI



- ChatGPT und ähnliche Tools lassen sich nutzen, um Reviewer in einem bestimmten Forschungsgebiet zu finden – allerdings müssen die Vorschläge überprüft werden, z.B. anhand der Publikationslisten.
- Manche Verlage bieten ihren Editors Reviewer Finder Tools, z.B. Springer (hat einen eigenen Reviewer Finder) und Wiley (kooperiert mit Web of Science Reviewer Recognition Service)
- Manche Softwares zur Verwaltung von Zeitschriften haben ein Feature zum Finden von Reviewers eingebunden, z.B. den Web of Science Reviewer Locator (ScholarOne Manuscripts, Editorial Manager)

A futuristic scene with two AI characters at a desk. One character has red hair and is looking at a document, while the other has blue hair and is looking towards the camera. The background is a dark, industrial-looking environment with glowing blue and red lights.

# AI detection tools & Tipps zum praktischen Umgang mit KI

# AI detection tools



- KI durch KI aufspüren lassen
- Oft false positives
- Das hauseigene detection tool „AI classifier“ von ChatGPT wurde wieder eingestellt, weil es nicht verlässlich genug war (9% false positives)
- **UndetectableAI**, **HideMyAI**, und **QuillBot** sind die Antwort auf AI detection tools. Sie machen die Sprache wieder „menschlicher“
- Kostspieliges Katz-und-Maus-Spiel
- Turnitin hat einen eigenen AI detector mit 1% false positive rate
- Universitäten in den USA haben das AI detection tool von Turnitin wieder abgestellt

Vanderbilt submitted 75,000 papers to Turnitin in 2022. If this AI detection tool was available then, around 3,000 student papers would have been incorrectly labeled as having some of it written by AI.

# Praktische Umsetzung



## Achtung bei der Tool-Wahl

- ChatGPT erfindet Referenzen! „AI hallucination“
- Gutachter:innen dürfen keine Cloud-KI-Tools mit unveröffentlichten Submissions nutzen!
- Aktualität von KI-Tools nicht immer gegeben (z.B. ChatGPT Trainingsdaten 2 Jahre alt).

## Empfehlungen

- Schulung zu Prompt Engineering besuchen
  - [GMZ](#)
  - [Schreibzentrum](#)
  - [Idealab](#)
- CVs und Publikationslisten aktuell halten (z.B. mit ORCID) da KI für recruiting eingesetzt wird
- Vorgaben von Verlagen für KI-Kennzeichnung/Abgrenzung recherchieren.
- KI für Presstexte nutzen: nicht nur open access, sondern accessible!
- Prompts speichern

# Quellen und Links



- ERC: Foresight: Use and impact of Artificial Intelligence in the scientific process  
[https://erc.europa.eu/sites/default/files/2023-12/AI\\_in\\_science.pdf](https://erc.europa.eu/sites/default/files/2023-12/AI_in_science.pdf)
- Elsevier Policy on AI  
<https://www.elsevier.com/about/policies-and-standards/responsible-ai-principles>
- COPE guidelines <https://publicationethics.org/cope-position-statements/ai-author>
- Best practices or reporting the use of Gen AI in Research:  
<https://midas.umich.edu/generative-ai-reporting-guidelines/>
- Best practices for using AI when writing scientific manuscripts:  
<https://pubs.acs.org/doi/10.1021/acsnano.3c01544>
- KI im Peer Review: <https://pubmed.ncbi.nlm.nih.gov/37198671/>
- AI in academia: An overview of selected tools and their areas of application:  
<https://doi.org/10.53880/2744-2373.2023.4.37>



*We work for*  
**tomorrow**



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