

Realiza una revisión bibliográfica en Web of Science con su asistente de inteligencia artificial

Anne Delgado
17/10/2025

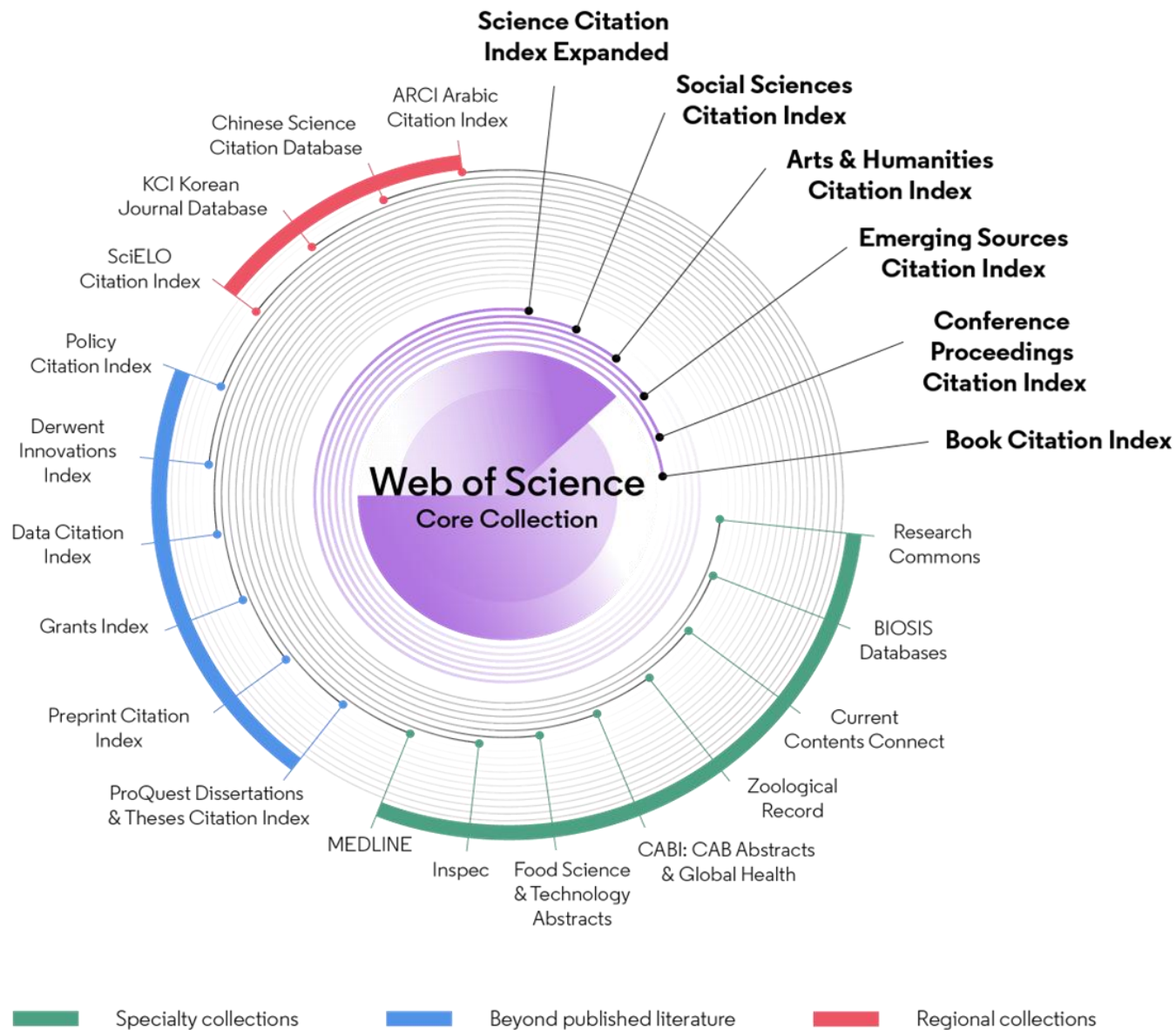


Realiza una revisión bibliográfica en Web of Science con su asistente de inteligencia artificial

- Acceder a Web of Science y al Research Assistant
- Buscar con lenguaje natural en cualquier idioma
- Formular buenas preguntas para desarrollar una estrategia de búsqueda eficiente
- ¿Por qué elegir Web of Science Research Assistant?
- Buscar una revista donde publicar

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Maximize the results of limited research time with a streamlined discovery experience

Search across more than...

- 240 million records
- 3 billion cited references
- 34,950 active journals
- 254 subject categories
- 6.2 million dissertations and theses
- 2.5 million preprints
- 131 million patents for 68 million inventions
- 17.4 million data sets and studies
- 5.7 million awarded grants
- 223K policy documents

...in a single platform

Acceder a Web of Science

**Asegúrese de acceder a Web of Science in situ o con una conexión remota a través de su institución para poder beneficiarse de la suscripción completa a Web of Science.
De lo contrario, solo tendrás acceso gratuito y parcial a Web of Science para ver perfiles de investigadores.**

<http://wos.fecyt.es>

- Trabajo in situ (rango de IP): no se requieren credenciales
- Trabajar de forma remota (3 opciones)
 - a través de la página de autenticación de su institución
 - con VPN
 - con su cuenta personal

Acceder al Research Asistant

Clarivate

English ▾Products

Web of Science™

Smart SearchAdvanced Search⚡ Research Assistant

Try the new searchAnne Delgado ▾

MENUMENU

DOCUMENTSDOCUMENTS

RESEARCHERSRESEARCHERS

Search in: Web of Science Core Collection ▾Editions: All ▾

FIELD SEARCHFIELD SEARCH

QUERY BUILDERQUERY BUILDER

CITED REFERENCESCITED REFERENCES

STRUCTURESTRUCTURE

Topic ▾

Example: oil spill* mediterranean

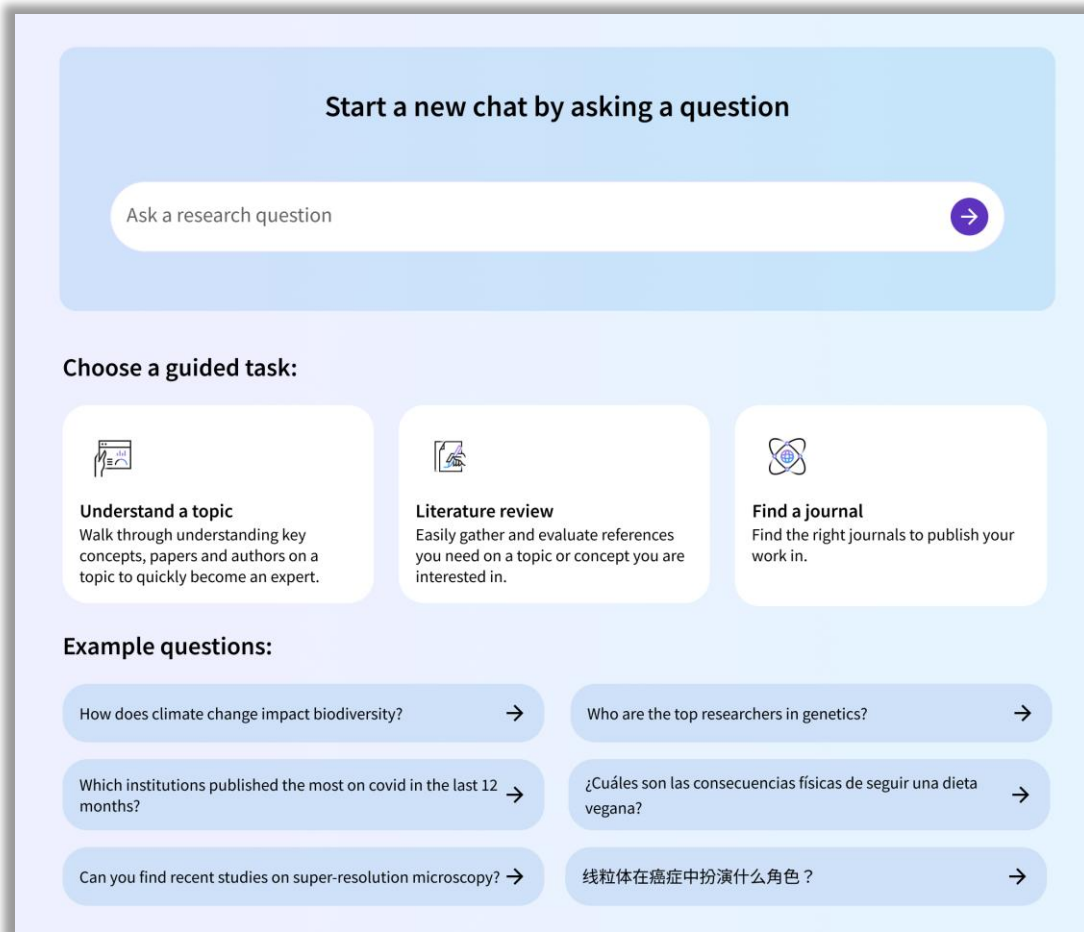
+ Add row

+ Add date range

× Clear

🔍 Search

Web of Science Research Assistant



Research smarter

A generative AI-powered tool that helps researchers at all levels get more out of their interactions with the world's most trusted citation index—Web of Science Core Collection.

- ✓ *Intelligent discovery*
- ✓ *Task-based guidance*
- ✓ *Responsible AI*

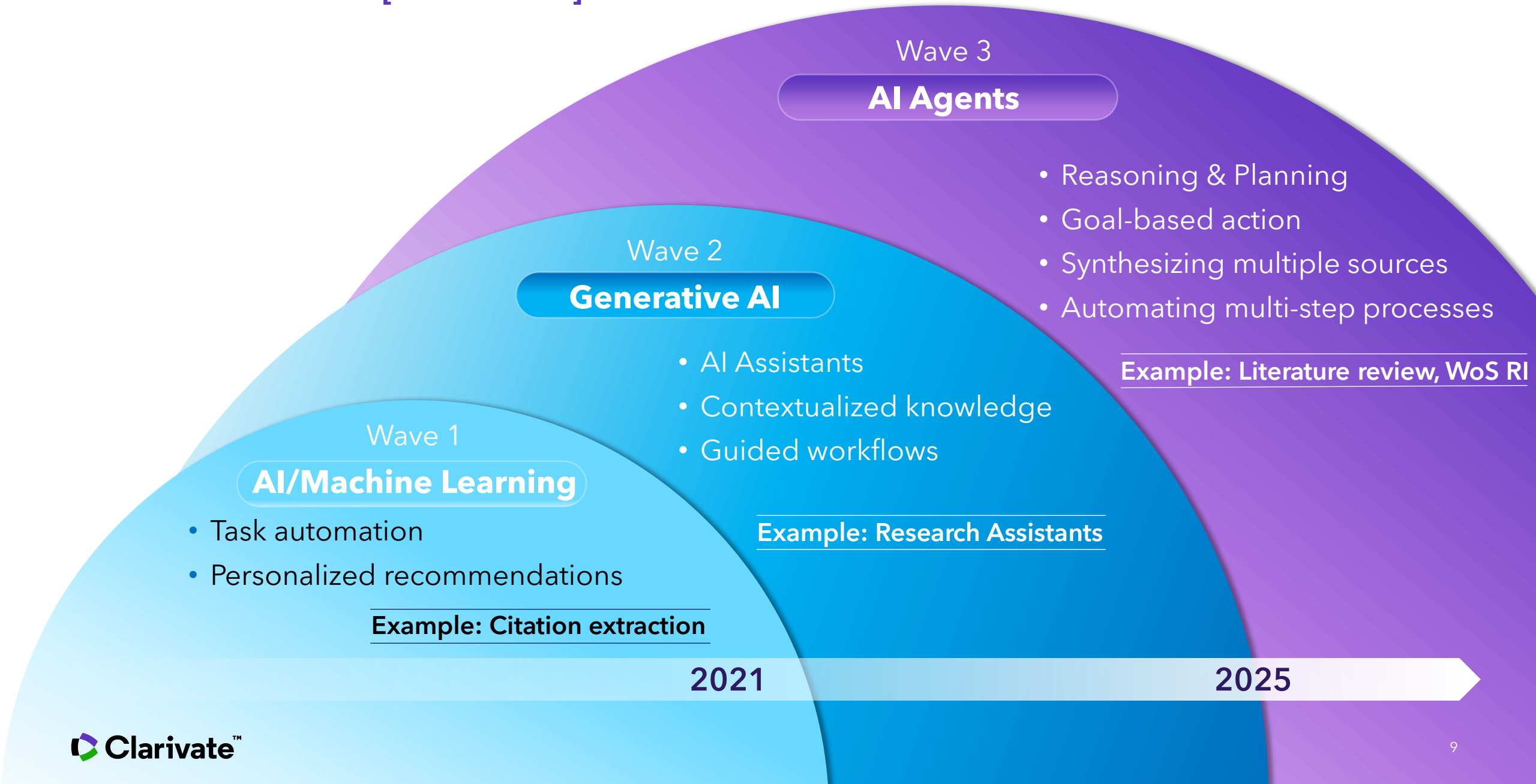
Search isn't one size fits all

Comparing different Web of Science search experiences

Requires additional subscription

| | Smart Search | Advanced Search | Research Assistant |
|--------------------|---|--|---|
| Skill level | Beginner to intermediate | Intermediate to expert | All levels |
| Search input style | Phrases, keywords or entities | Boolean logic, fielded queries | Conversational prompts, questions |
| Search modes | Boolean + Semantic | Boolean only | Natural language + guided tasks |
| AI usage | Machine learning, semantic search, entity recognition, auto-correct, multilingual support | No AI; manual query construction | Generative AI, agentic AI |
| Query flexibility | High Recognizes topics, authors, institutions; understands intent | Low Requires precise syntax and field knowledge | Very high Interprets intent, guides query refinement, proactively offers related queries |
| Optimized for | Quick discovery, finding related content, locating authors and papers | Precision, reproducibility, systematic reviews | Literature synthesis, exploring an unfamiliar topic, hypothesis generation, light analytics |
| Multilingual | Yes (query and abstract translation) | No | Yes (multi-language input and summaries) |
| Visualizations | Co-citation maps + Analyze Results | Analyze Results | Topic maps, trend graphs, co-citation networks, co-author networks, benchmarking charts |
| Transparency | User can toggle Boolean vs. Semantic results | Fully manual, transparent logic | AI explains reasoning and lets users validate steps |

The next wave of [Academic] AI is here



A new version will be release on October 23, 2025

The screenshot displays the Web of Science interface. At the top, the navigation bar includes 'Web of Science™', 'Smart Search', 'Advanced Search', and 'Research Assistant' (which is selected). A user profile for 'Anne Delgado' is in the top right. On the left, a sidebar contains a 'History' button and several icons. The main content area is titled 'Accelerate Your Research—Start with an Agent' and features three cards:

- Topic Explorer** (New — Agent 2.0): 'for the Web of Science Core Collection'. It offers to 'Understand a topic with:' Definitions, Frequent keywords, Sub-topics, Related topics, Visualizations, and Citation Network. A 'Start Topic Explorer' button is at the bottom.
- Literature Review** (Agent 2.0): 'for the Web of Science Core Collection'. It offers to 'Enhance literature reviews with:' Research Gap Analysis, Hypotheses, Common Findings/Themes, Hot Topics, References, and Trends Identification. A 'Start Literature Review' button is at the bottom.
- Find a Journal** (New — Agent 2.0): 'within the Web of Science Core Collection'. It offers to 'Find relevant journals by:' Journal Citation Reports, Open Access, Research area, Country/Region, Web of Science Category, and Manuscript. A 'Find a Journal' button is at the bottom.

Below the cards, a text prompt says: 'Can't decide which agent to use? [Start with the Topic Explorer.](#)'

At the bottom, a section titled 'Have a research question? Chat with Research Assistant.' contains a 'Research Assistant 1.0' chat box with a text input field labeled 'Ask a research question' and a send button.

Sign in with your account and get your history saved automatically

Web of Science™

Smart Search


Advanced Search

Research Assistant

Anne Delgado

History

Accelerate Your Research—Start with an Agent



New — Agent 2.0

Topic Explorer

for the Web of Science Core Collection

Understand a topic with:

Definitions

Frequent keywords


Sub-topics

Related topics

Visualizations

Citation Network

Start Topic Explorer



Agent 2.0

Literature Review

for the Web of Science Core Collection

Enhance literature reviews with:

Research Gap Analysis

Hypotheses


Common Findings/Themes

Hot Topics

References

Trends Identification

Start Literature Review



New — Agent 2.0

Find a Journal

within the Web of Science Core Collection

Find relevant journals by:

Journal Citation Reports

Open Access

Research area

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Web of Science Category

Manuscript

Find a Journal

Can't decide which agent to use? [Start with the Topic Explorer.](#)

Have a research question? Chat with Research Assistant.

Research Assistant 1.0

Ask a research question

Crear una cuenta Web of Science (gratuito)

Antes de crear su cuenta, asegúrese de acceder a Web of Science in situ o a través de una conexión remota a través de su organización para que pueda beneficiarse de la suscripción completa a Web of Science (consulte las instrucciones de acceso). De lo contrario, solo tendrás acceso gratuito y parcial a Web of Science para ver perfiles de investigadores.

Clarivate

English ▾

Products

Web of Science™

Search

Research Assistant

Sign In ▾

Register

Web of Science™

Register for a FREE Web of Science Profile

Sign in

Register

Email address *

Password *

Re-enter password *

First Name *

Last Name *


bVyo1

Captcha *


Register

Register to personalize your Web of Science experience


With your institution's access, you can register for an account to unlock more Web of Science features:




Save work
Save your searches or create customized marked lists to organize your research.



Connect to more products
Export to your EndNote library with one click and stay signed in across Clarivate products.




Find new content faster
View recommended content in your search results and directly on your personalized homepage.



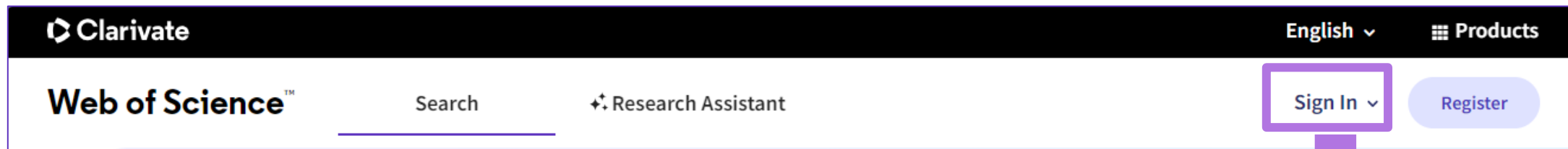
Stay up to date
Receive alerts for new search results, citing articles, and journal content in your research area.

Nota importante - No permite introducir caracteres especiales (como acentos) ni espacios entre los dos apellidos o guiones.

 Clarivate

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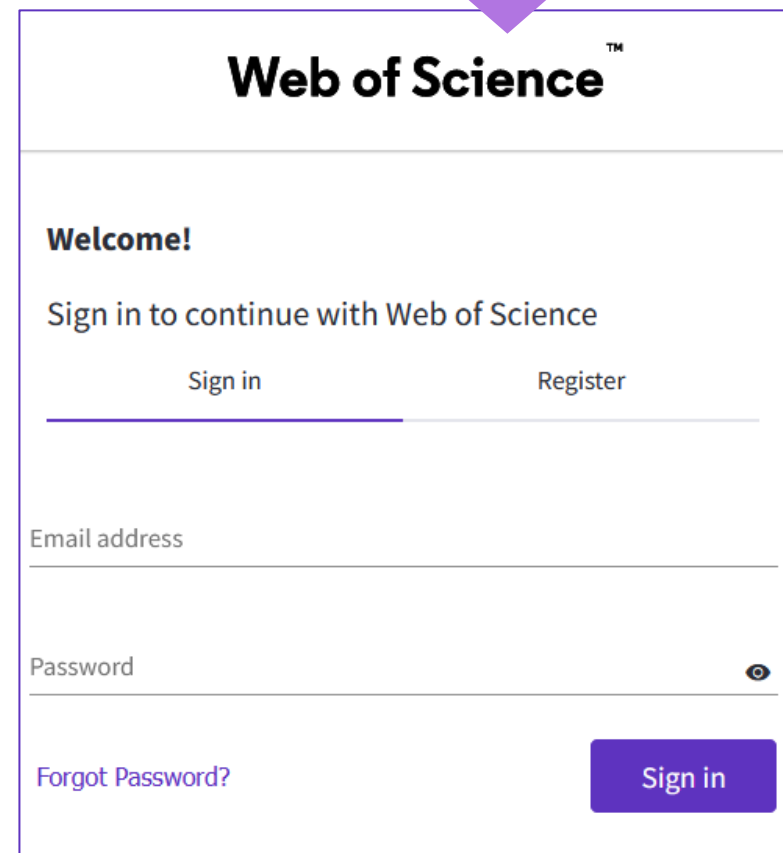
Iniciar sesión en Web of Science



The header navigation bar of the Web of Science website. It features the Clarivate logo on the left, followed by the 'Web of Science' logo, a search bar, and a 'Research Assistant' link. On the right side, there are links for 'English' and 'Products'. A 'Sign In' button with a dropdown arrow is highlighted with a red box, and a 'Register' button is located next to it.

Recuerda que tienes
UNA cuenta única para todas las
plataformas de Clarivate:
Web of Science, Journal Citation Reports,
InCites, Essential Science Indicators,
Master Journal List, etc.

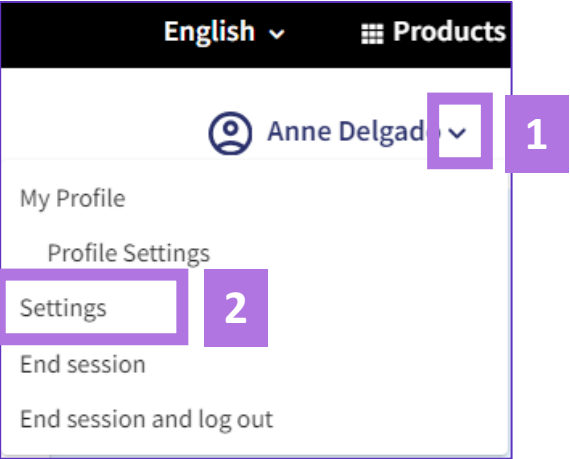
*Sin embargo, algunas excepciones que requieren un registro separado:
EndNote Click, Web of Science Academy, Web of Science Learning.*



The login page of the Web of Science website. It features the 'Web of Science' logo at the top. Below the logo, there is a 'Welcome!' message and a prompt to 'Sign in to continue with Web of Science'. There are two buttons: 'Sign in' and 'Register'. Below these buttons, there are input fields for 'Email address' and 'Password'. A 'Forgot Password?' link is located below the password field. A red arrow points from the 'Sign in' button to the right.

¿Y si necesito cambiar mi correo electrónico y/o contraseña?

Se le pedirá que cambie su contraseña cada 6 meses. Pero puede cambiar sus credenciales en cualquier momento siguiendo estos pasos.



Web of Science™

[Return To Web of Science](#)

Account sign in & security

You can manage emails, create or change your password, connect sign in methods, and request deletion of your account.

Your account sign in & security changes will apply across Clarivate products.

Personal

Email

5

Password

Connected accounts

Delete/merge account

Your password change will apply across Clarivate products.

Reset Password

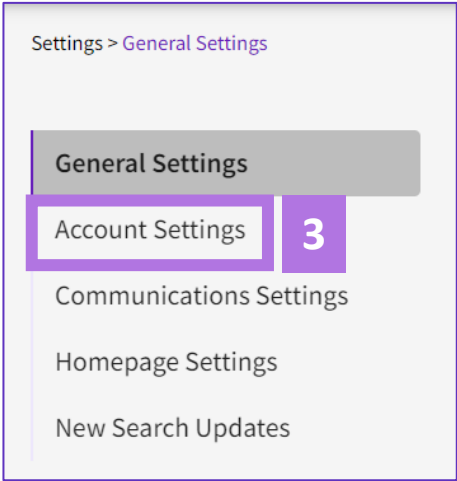
Please enter your email address. We will send you an email that will allow you to reset your password.

Email address

[Cancel](#)

[Send email](#)

6



Web of Science™

Welcome!

Sign in to continue with Web of Science

Sign in

Register

Email address *

Password *

[Forgot Password?](#)

4

[Sign in](#)

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Spend less time building queries and more time learning from results



- ✓ Search efficiently with natural language, multilingual queries.



- ✓ Grasp core concepts faster with concise overviews and commentaries.



- ✓ Uncover meaningful connections with dynamic visualizations

Example 1 – Topic Explorer

The screenshot displays the Web of Science interface with the 'Research Assistant' tab selected. The header includes 'Web of Science™', 'Smart Search', 'Advanced Search', and 'Research Assistant'. A user profile for 'Anne Delgado' is in the top right. A left sidebar contains a 'History' button and several icons. The main content area is titled 'Accelerate Your Research—Start with an Agent' and features three agent cards: 'Topic Explorer' (labeled 'New — Agent 2.0'), 'Literature Review' (labeled 'Agent 2.0'), and 'Find a Journal' (labeled 'New — Agent 2.0'). The 'Topic Explorer' card is highlighted with a purple border and lists options: 'Definitions', 'Frequent keywords', 'Sub-topics', 'Related topics', 'Visualizations', and 'Citation Network'. Below these cards, a text prompt suggests starting with the Topic Explorer if unsure. At the bottom, a 'Research Assistant 1.0' chat box is available for asking research questions.

Web of Science™ Smart Search Advanced Search **Research Assistant** Anne Delgado

History

Accelerate Your Research—Start with an Agent

Topic Explorer
for the Web of Science Core Collection
New — Agent 2.0
Understand a topic with:
Definitions Frequent keywords
Sub-topics Related topics
Visualizations Citation Network
Start Topic Explorer →

Literature Review
for the Web of Science Core Collection
Agent 2.0
Enhance literature reviews with:
Research Gap Analysis Hypotheses
Common Findings/Themes Hot Topics
References Trends Identification
Start Literature Review →

Find a Journal
within the Web of Science Core Collection
New — Agent 2.0
Find relevant journals by:
Journal Citation Reports Open Access
Research area Country/Region
Web of Science Category Manuscript
Find a Journal →

Can't decide which agent to use? [Start with the Topic Explorer.](#)

Have a research question? Chat with Research Assistant.

Research Assistant 1.0

Ask a research question →

Search more efficiently

- ✓ Natural language, multilingual search
- ✓ Concise, referenced overviews in your search language
- ✓ Verifiable responses
- ✓ Over 120 years of research in scope

线粒体在癌症中扮演着重要角色。它们是细胞能量生产和细胞代谢的主要细胞器。研究表明，癌细胞可以从免疫细胞中劫持线粒体，这揭示了癌症谜团中一个关键部分，即对正常细胞的依赖。功能性线粒体有助于癌细胞在恶性肿瘤微环境中生存，避免免疫监视，促进进展和治疗抵抗[1]。线粒体在癌症干细胞的代谢中起着关键作用，这些细胞是导致癌症复发和转移的肿瘤组分[1]。通过线粒体，癌细胞可以避免免疫监视，增强其恶性转化能力[4]。针对线粒体的药物在癌症治疗中显示出显著优势[4]。因此，针对线粒体可能提供新的癌症治疗机会[2]。总的来说，线粒体在癌症中扮演着重要角色，研究线粒体可能为未来提供有效且低毒性的癌症治疗方案提供理论支持[4]。

👍👎🔗 Copy text

I searched for documents with topic "mitochondria" and "cancer" and I found more than 10,000 total. Listed below are the 8 most relevant articles.

View 8 referenced documents

- 1 Targeted Anti-Mitochondrial Therapy: The Future of Oncology
Taghizadeh-Hesary, F; Akbari, H; (...); Behnam, B
OCT 2022 | GENES 25 Citations [View more](#)
- 2 Role of Mitochondria in Cancer Immune Evasion and Potential Therapeutic Approaches
Klein, K; He, KW; (...); Welsh, JW
October 16 2020 | Frontiers in Immunology 55 Citations [View more](#)
- 3 Mitochondria-Targeted Nanocarriers Promote Highly Efficient Cancer Therapy: A Review
Zeng, Z; Fang, C; (...); Zhang, K
NOV 12 2021 | FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY 16 Citations [View more](#)
- 4 To betray or to fight? The dual identity of the mitochondria in cancer
Zhang, XY; Su, QZ; (...); Jiang, GH
FEB 2021 | FUTURE OF ONCOLOGY 9 Citations [View more](#)
- 5 Perimitochondrial Enzymatic Self-Assembly for Selective Targeting the Mitochondria of Cancer Cells
He, HJ; Lin, XY; (...); Xu, B
JUNE 23 2020 | ACS NANO 55 Citations [View more](#)
- 6 Enzymatic Noncovalent Synthesis for Mitochondrial Genetic Engineering of Cancer Cells
He, HJ; Lin, XY; (...); Xu, B
DEC 2021 | CELL REPORTS PHYSICAL SCIENCE 19 Citations [View more](#)
- 7 Revisiting Mitochondria Scored Cancer Progression and Metastasis
Gundamaraju, R; Lu, WY and Manikam, R
FEB 2021 | CANCERS 12 Citations [View more](#)
- 8 Mitochondria in cancer
Grasso, D; Zampieri, LX; (...); Sonveaux, P
JUNE 2020 | CELL STRESS 130 Citations [View more](#)

I retrieved a large volume of documents based on your query. Consider providing additional information so I can narrow down your results. Click the link below to view the additional documents relevant to this response.

[View additional documents relevant to this response](#) →

What would you like to see next?

 See related and connected concepts
Topic Map

 Documents over time graph for mitochondrial biogenesis
See patterns in publishing on this topic

 See top authors on this topic
Most cited and connected authors

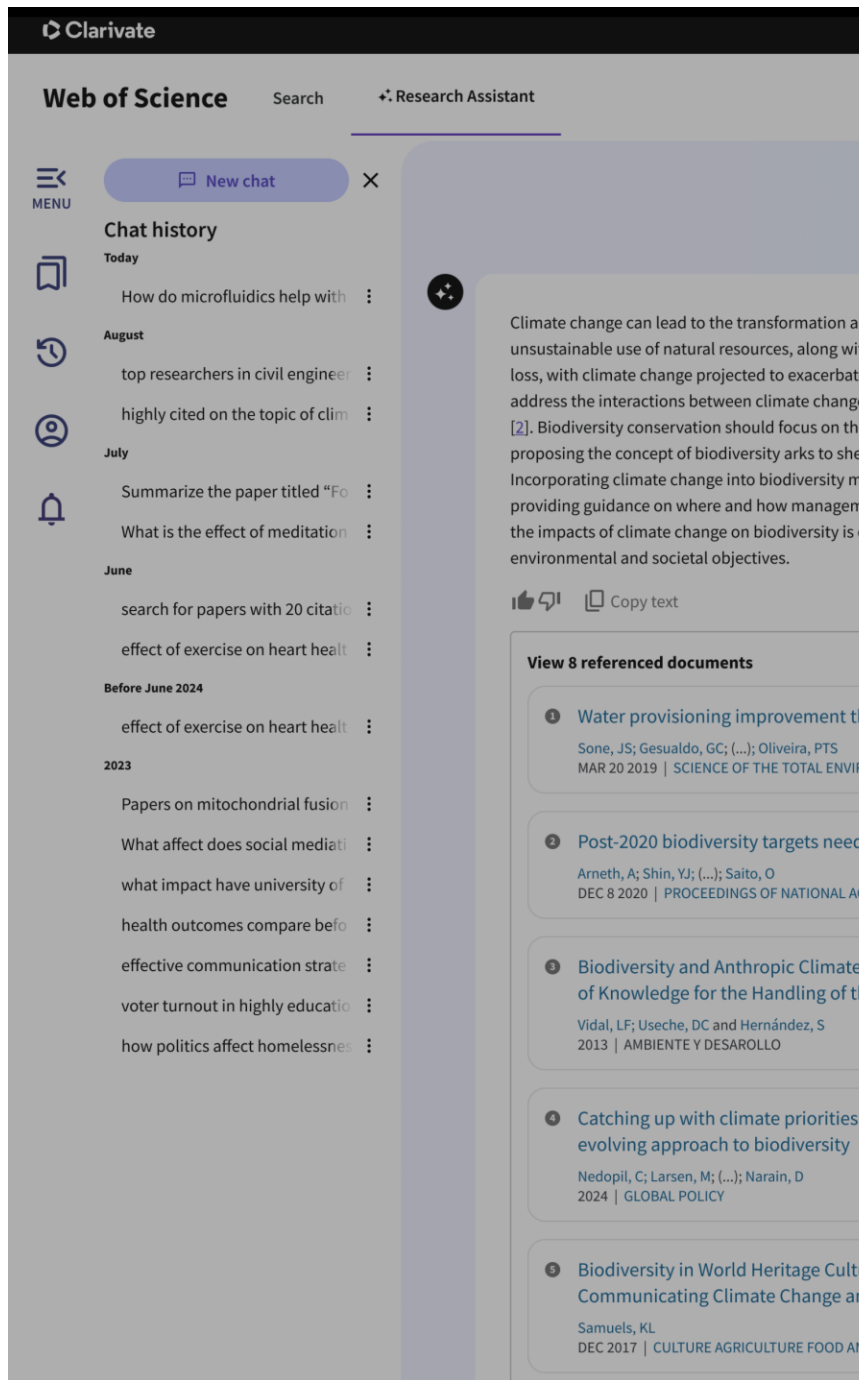
[我了解关于线粒体在癌症中的重要论文](#)

[What are the latest research findings on mitochondria's impact on cancer cells?](#)

[最新研究发现线粒体对癌细胞的影响如何？](#)

Grasp core concepts faster

- ✓ Natural language, multilingual search
- ✓ Concise, referenced overviews in your search language
- ✓ Verifiable responses
- ✓ Over 120 years of research in scope



The screenshot shows the Clarivate Web of Science interface. On the left, there's a 'Chat history' sidebar with a 'New chat' button. The chat history lists several queries from today, August, July, June, and 2023. The main area shows a chat window with a 'Research Assistant' icon. The assistant's response discusses the transformation of natural resources due to climate change and the need for biodiversity conservation. Below the chat, there's a section titled 'View 8 referenced documents' with a list of documents including 'Water provisioning improvement through payment for ecosystem services', 'Post-2020 biodiversity targets need', 'Biodiversity and Anthropic Climate Change', 'Catching up with climate priorities: an evolving approach to biodiversity', and 'Biodiversity in World Heritage Cultural Landscapes'.



The document details page for 'Water provisioning improvement through payment for ecosystem services' is shown. It includes a 'Document details' header, a 'Highly Cited' badge, and buttons for 'View full record' and 'Save'. The 'Authors' section lists 'Sone, JS; Gesualdo, GC, (...)Olivia, PTS'. The 'Journal' section lists 'SCIENCE OF THE TOTAL ENVIRONMENT', 'Volume655Page1197-1206', and '10.1016/j.scitotenv.2018.11.319'. The 'Abstract' section provides a summary of the study. The 'Citation network' section shows '43 Citations', '44 Times Cited in All Databases', and '54 Cited References'. The 'Learn more about this document' section includes links for 'See related documents' and 'How this document has been mentioned'.

Uncover meaningful connections with dynamic visualizations



Explore related topics to narrow or expand your search.



Identify trends in a field to help define your research direction.



Generate networks to visualize connections between people and papers.



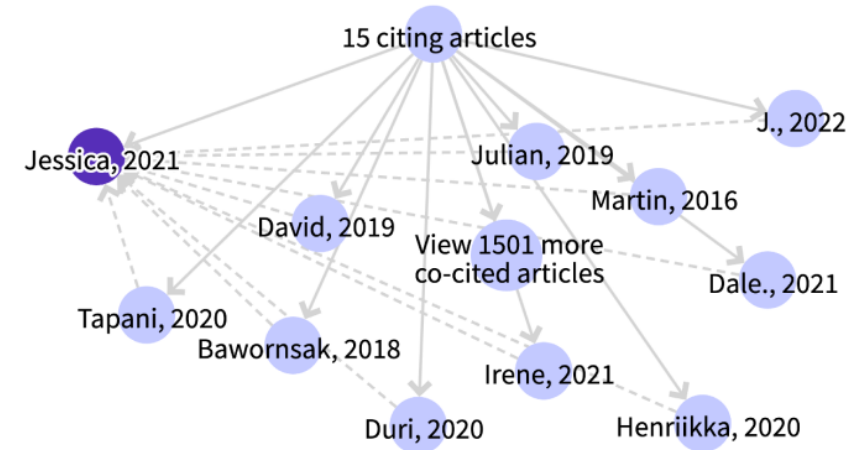
When two documents are co-cited, it means that they are cited together by other documents. The more co-citations two documents receive, the higher their co-citation strength, indicating that they are semantically related. By analyzing which documents are frequently cited together, we can identify key literature and understand the evolution of scientific thought.

Co-citation map for:

[Download](#)

"Teaching Tech to Talk: K-12 Conversational Artificial Intelligence Literacy Curriculum and Development Tools"

by Averchenokova, A; Fankhauser, S and Finnegan, JJ | Oct 21, 2021



What would you like to do next?



See related and connected concepts
Topic map



See patterns of publishing on this topic
Publications over time chart

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Example 2 - Literature Review

Web of Science™Smart SearchAdvanced SearchResearch AssistantAnne Delgado

History


Accelerate Your Research—Start with an Agent

**Topic Explorer**
for the Web of Science Core Collection

Understand a topic with:

DefinitionsFrequent keywordsSub-topicsRelated topicsVisualizationsCitation Network


Start Topic Explorer

**Literature Review**
for the Web of Science Core Collection

Enhance literature reviews with:

Research Gap AnalysisHypothesesCommon Findings/ThemesHot TopicsReferencesTrends Identification

Start Literature Review

**Find a Journal**
within the Web of Science Core Collection

Find relevant journals by:

Journal Citation ReportsOpen AccessResearch areaCountry/RegionWeb of Science CategoryManuscript

Find a Journal

Can't decide which agent to use? [Start with the Topic Explorer.](#)

Have a research question? Chat with Research Assistant.

Research Assistant 1.0

Ask a research question

Literature review



Optimize queries

Specify and validate search strategies before synthesizing the data



Customize scope

Include and exclude themes and keywords and pick publication timeframes



Define the output



Clarify needs to form a custom output with the necessary sections


Solving literature review challenges for researchers with an AI agent

- ✓ **Clarify your research question** and develop the best search strategy with the agent's help
- ✓ **Synthesize the literature efficiently** and factor in your specific project needs
- ✓ **Identify knowledge gaps** to pursue topics that need further exploration
- ✓ **Locate research hotspots** and stay up to date on a field
- ✓ **Formulate hypotheses** that consider gaps and trends in the literature



Clarifying the task at hand with the user



 Create a detailed literature review on impact of increasing greenhouse gases on climate change 




To create a detailed literature review on the impact of increasing greenhouse gases on climate change, let's refine the query and identify subtopics that may be relevant. Here are a few questions and suggestions to guide us:

- **Subtopics:** Are there specific aspects of the impact on climate change you are interested in? For example, effects on temperature rise, sea level changes, biodiversity, etc.
- **Geographical Scope:** Would you like to focus on a specific region or consider global impacts?
- **Specific Greenhouse Gases:** Are there specific greenhouse gases you are interested in, such as CO₂, CH₄, or others?
- **Time Restriction:** Should we focus on the most recent research, such as the last 10 years?

Please let me know your preferences so that I can create a comprehensive search strategy for the literature review.

 Focus on effects of temperature rise and global impacts in the last 10 years 






Great! We'll focus on the effects of temperature rise due to increasing greenhouse gases and their global impacts over the last 10 years. Here's a proposed search strategy for the literature review:

Search Strategy

- **Main Topic:** "Greenhouse gases AND climate change"
- **Subtopics:** "Temperature rise", "Global impacts"
- **Synonyms/Related Terms:** "Carbon dioxide", "Methane", "Climate warming", "Global temperature increase"
- **Time Restriction:** Limit results to the last 10 years

Would you like to proceed with this search strategy, or are there any adjustments you'd like to make?

 Proceed 



I found a total of 268 articles on the impact of increasing greenhouse gases on climate change, focusing on temperature rise and global impacts over the last 10 years. We will proceed with using the default number of 25 articles for the literature review. Is that acceptable to you, or would you like to adjust the number of articles used (up to 50)?



Gather needs

- Define the search
- Specify parameters
- Determine desired output

Developing and executing a search strategy



Formulate hypothesis for the impact of increasing greenhouse gases on climate change



To formulate hypotheses regarding the impact of increasing greenhouse gases on climate change, I need to refine the query to focus on specific aspects. Here are some subtopics we could consider:

- **Temperature Variability:** How do increasing greenhouse gases affect global temperature patterns?
- **Oceanic Changes:** The impact of greenhouse gases on ocean temperatures and acidification.
- **Weather Patterns:** How greenhouse gases influence weather extremes, such as storms or droughts.
- **Ecosystem Impact:** Effects on ecosystems and biodiversity due to climate change driven by greenhouse gases.

Which of these subtopics are you interested in, or would you like to suggest another area?



Ecosystem Impact: Effects on ecosystems and biodiversity due to climate change driven by greenhouse gases.



Great choice! Focusing on the impact of greenhouse gases on ecosystems and biodiversity due to climate change is a significant area of research. Now, let's create a search strategy to find relevant articles. Here's a draft strategy:

- **Main Topic:** "Greenhouse gases and climate change"
- **Subtopic:** "Impact on ecosystems and biodiversity"
- **Synonyms/Related Terms:**
 - Greenhouse gases: "carbon emissions", "CO2 emissions", "methane emissions"
 - Ecosystems: "habitats", "biomes", "environment"
 - Biodiversity: "species diversity", "wildlife", "flora and fauna"

Here's a sample search query:

- "greenhouse gases AND climate change AND (ecosystems OR biodiversity OR habitats OR species diversity)".

Would you like to make any adjustments to this search strategy before we proceed?



Execute query

- Identify topics
- Formulate search
- Execute search

Synthesizing the literature



Thank you for confirming. I'll now proceed to create the literature review based on the 25 selected articles. This review will include an introduction, common themes/key findings, research gaps, conclusion, potential hypotheses, and a list of referenced documents.

Literature Review: Impact of Increasing Greenhouse Gases on Climate Change

Introduction

The increasing concentration of greenhouse gases (GHGs) such as carbon dioxide (CO₂) and methane (CH₄) in the atmosphere is a significant driver of climate change. This review examines the global impacts of temperature rise associated with increasing GHGs over the past decade.

Common Themes/Key Findings

- **Temperature Rise and Global Warming:** The reviewed studies consistently highlight the correlation between rising GHG emissions and global temperature increases. The average global temperature is projected to continue rising, contributing to economic and environmental challenges worldwide [Malhi et al., 2021, WOS:000615624700001; Nda et al., 2018, WOS:000450562700007].
- **Impacts on Agriculture:** Several articles discuss how increases in temperature are crucial to adapt to these changes [Wang et al., 2018, WOS:000436491700023].
- **Sea Level Rise:** Rising sea levels, driven by melting ice caps, threatens coastal communities and ecosystems globally [Menger et al., 2016, WOS:000372013300026].
- **Microorganisms and Ecosystems:** The role of microorganisms in the consumption of GHGs and are impacted by changing climate [Cavichiolli et al., 2019, WOS:000480437300008].
- **Health and Societal Impacts:** Climate change poses health risks, including increased illnesses and changes in disease patterns [Koch et al., 2021, WOS:000693735900001].

Gaps in Research

- **Regional Disparities:** While global impacts are well-documented, more research is needed on regional disparities and local adaptive capacities.
- **Long-term Projections:** There is a need for more long-term studies to understand the cumulative impacts of climate change on ecosystems.
- **Microbial Response:** Further research is required to understand the role of microorganisms in the carbon cycle and their response to climate change.
- **Socioeconomic Impacts:** More interdisciplinary studies are needed to assess the socioeconomic impacts of climate change on vulnerable populations.

Conclusion

The reviewed literature underscores the profound impact of increasing greenhouse gases on the environment and society. Addressing these challenges requires comprehensive research and global cooperation.

Potential Hypotheses

- Increasing GHG emissions will lead to a significant rise in global sea levels over the next century.
- Enhanced CO₂ levels will initially boost plant photosynthesis but result in net negative effects due to associated temperature increases.
- Microbial communities will exhibit altered metabolic pathways in response to elevated atmospheric temperatures.
- Regional climate disparities will exacerbate existing socioeconomic inequalities due to differential adaptive capacities.
- Effective mitigation strategies can reduce the projected impacts of temperature rise on global agricultural productivity.

Referenced Documents

- Malhi, G. S., Kaur, M., & Kaushik, P. (2021). Impact of Climate Change on Agriculture and Its Mitigation Strategies: A Review. *Sustainability*, 13(3). [WOS:000615624700001]
- Nda, M., Adnan, M. S., & Daud, Z. (2018). A Review on the Causes, Effects and Mitigation of Climate Changes on the Environmental Aspects. *International Journal of Integrated Engineering*, 10(4), 169-175. [WOS:000450562700007]
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- Menger, M., Levermann, A., & Winkelmann, R. (2016). Future sea level rise constrained by observations and long-term commitment. *Proceedings of the National Academy of Sciences of the United States of America*, 113(10), 2597-2602. [WOS:000372013300026]
- Cavichiolli, R., Ripple, W. J., & Webster, N. S. (2019). Scientists' warning to humanity: microorganisms and climate change. *Nature Reviews Microbiology*, 17(9), 569-586. [WOS:000480437300008]
- Koch, C. A., Sharda, P., & Bartel, M. J. (2021). Climate Change and Obesity. *Hormone and Metabolic Research*, 53(09), 575-587. [WOS:000693735900001]
- Pais, I. P., Reboledo, F. H., & Silva, M. M. (2020). Potential impacts of climate change on agriculture - A review. *Emirates Journal of Food and Agriculture*, 32(6), 397-407. [WOS:000583916000001]

Note: The remaining articles in the dataset were used to extract themes and support the findings, but due to space constraints, only a selection is explicitly referenced here.

Please let me know if you need any further information or adjustments!



Present & explain results

- Provide ranked results
- Generate overview
- Deliver gaps, hotspots, hypotheses and more
- Share methods used to generate output

Guide for writing good queries & citing the answer

To make the most of the Web of Science Research Assistant and effectively find answers and evaluate resources for your research questions, it's essential to craft well-structured queries. This guide will help you write good queries tailored to the tool's capabilities.

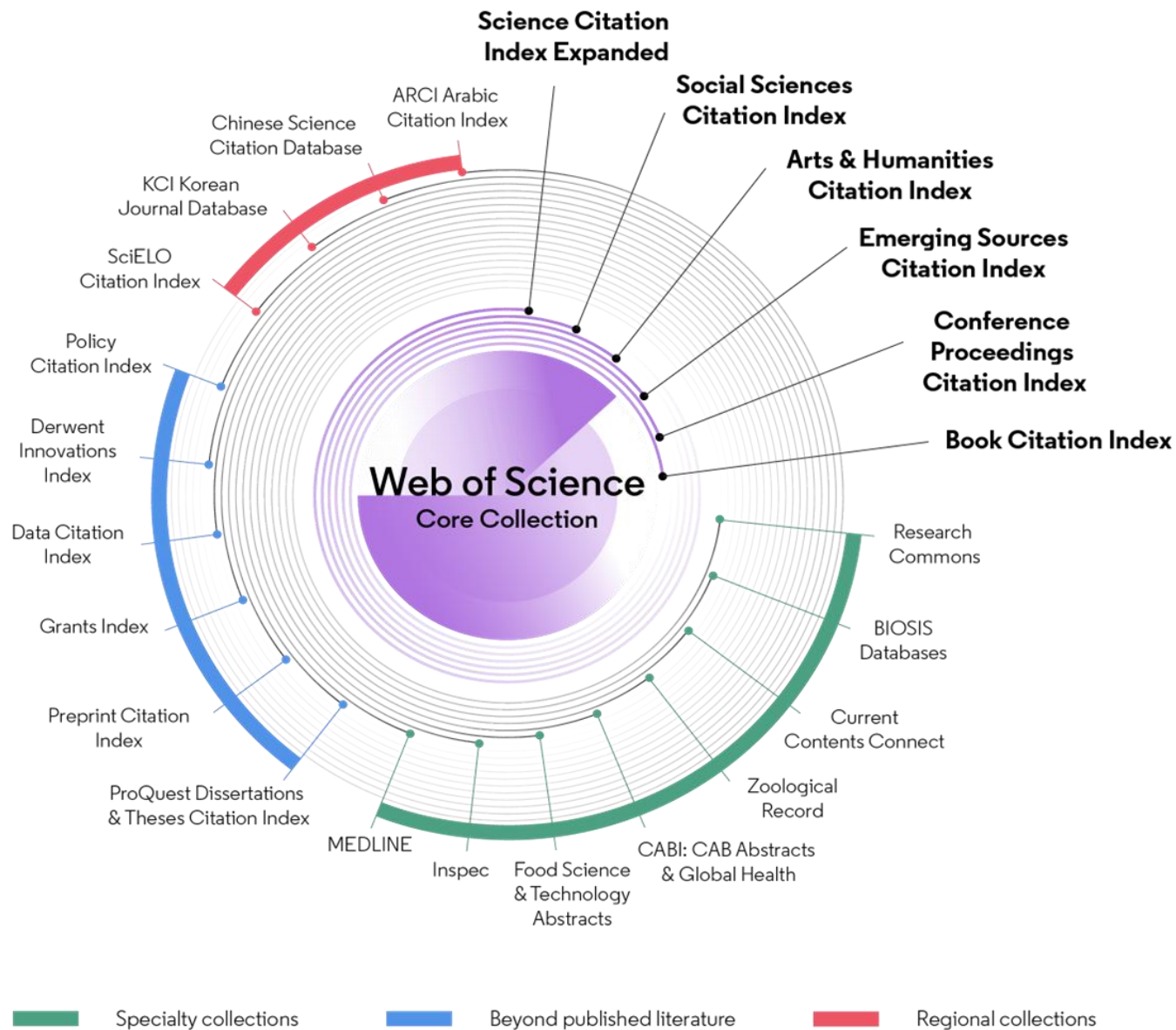
1. Finding Documents or Document Sets: If your goal is to discover research papers or documents, consider the following guidelines:
2. Be Specific: The more specific your query, the more precise the results. Clearly define what you're looking for.
3. Provide Details: Include information such as institutions, regions, countries, and timeliness (years or asking for recent documents) to narrow down your search.
4. Specify Subjects or Topics: Mention the subject or topic of interest to ensure relevant results. Use appropriate keywords.
5. Use filters as your guide: Think about how you might refine or filter your search in Web of Science and provide this information, so the response is as relevant as possible.

Recommendation to cite an answer provided by Web of Science Research Assistant:

- Remember that a response from the research assistant may differ at different times to the same question. Hence any citation should likely include the product name, query asked and the date.
- Suggestion: Web of Science Research Assistant, "Copy your question", February 6 2025

Realiza una revisión bibliográfica en Web of Science con su asistente de inteligencia artificial

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- Buscar con lenguaje natural en cualquier idioma
- Formular buenas preguntas para desarrollar una estrategia de búsqueda eficiente
- ¿Por qué elegir Web of Science Research Assistant?
- Buscar una revista donde publicar



Maximize the results of limited research time with a streamlined discovery experience

Search across more than...

- 240 million records
- 3 billion cited references
- 34,950 active journals
- 254 subject categories
- 6.2 million dissertations and theses
- 2.5 million preprints
- 131 million patents for 68 million inventions
- 17.4 million data sets and studies
- 5.7 million awarded grants
- 223K policy documents

...in a single platform

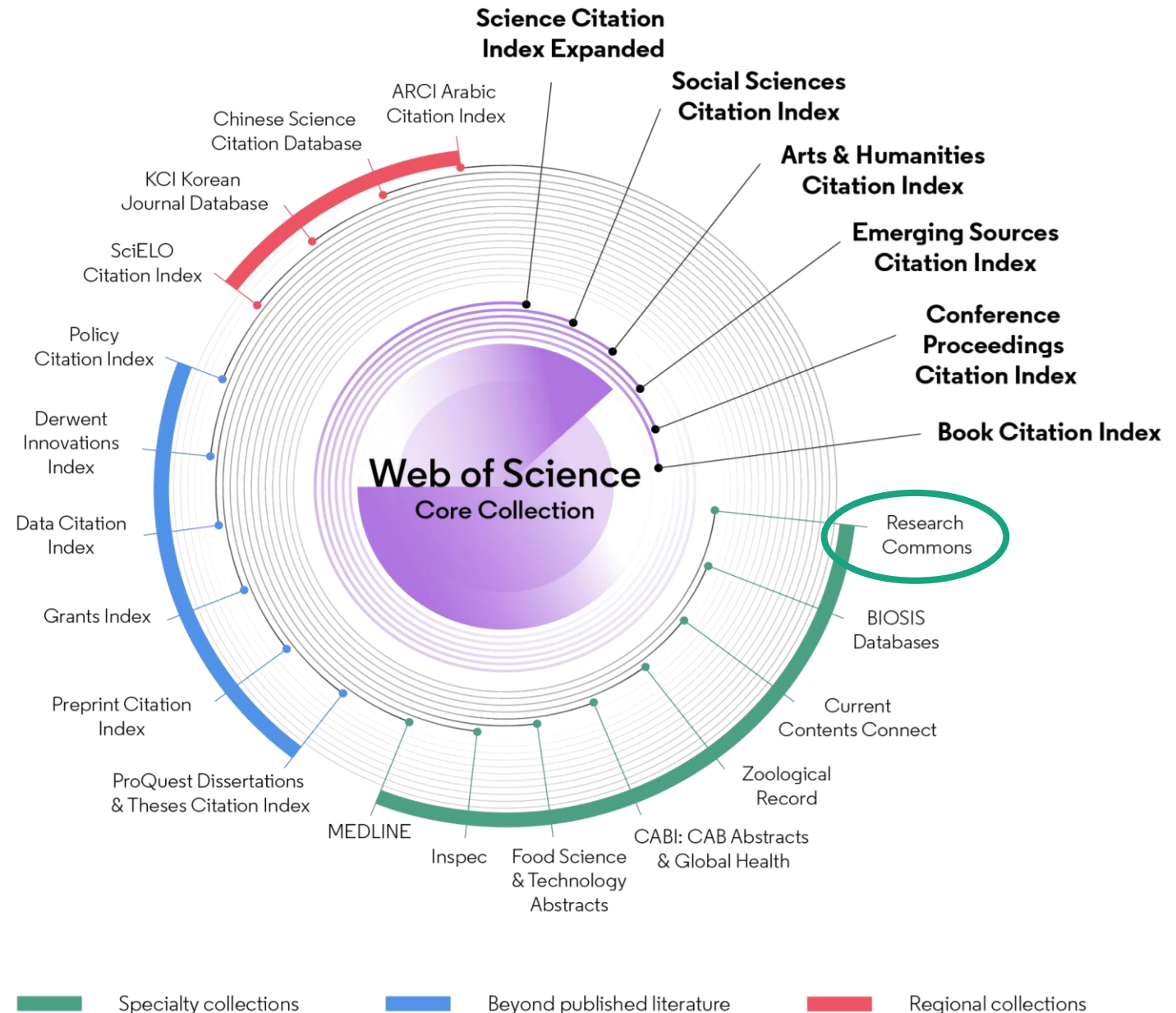
Research Commons on the Web of Science platform

Empowering broader, flexible discovery

Research Commons is a new, standalone database for Web of Science subscribers that brings additional journal content from open metadata sources to the platform.

Sources at launch:

- Crossref
- OpenAlex



Consult the full scope of research on a topic

Expanded content

32M+

additional records on
the Web of Science
platform

+21%

more journal content
on the Web of Science
platform

53%

from researchers
working in the
Global South*

*based on available metadata

43%

social sciences, arts
and humanities
content*

*based on available metadata

Is this publication trustworthy?

<https://retractionwatch.com/>

WORLD VIEW | 15 August 2023

Predatory journals entrap unsuspecting scientists. Here's how universities can support researchers



Training from institutions on publishing norms could help to thwart predatory publishers.

By Chérifa Boukacem-Zeghmouri



NEWS | 28 August 2024 | Update 02 September 2024

Exclusive: the papers that most heavily cite retracted studies

Data from giant project show how withdrawn research propagates through the literature.

By Richard Van Noorden & Miryam Naddaf





ARTIFICIAL INTELLIGENCE

AI models are using material from retracted scientific papers

Some companies are working to remedy the issue.

By Ananya

September 23, 2025



Fighting coordinated publication fraud is like ‘emptying an overflowing bathtub with a spoon,’ study coauthor says



| Year of publication | All scientific articles | Paper mill products | PubPeer-commented | Retracted |
|---------------------|-------------------------|---------------------|-------------------|-----------|
| 2000 | ~10^6 | ~10^1 | ~10^2 | ~10^1 |
| 2010 | ~10^6.5 | ~10^2 | ~10^3 | ~10^2 |
| 2020 | ~10^6.8 | ~10^4 | ~10^4 | ~10^3 |
| 2030 | ~10^7 | ~10^6 | ~10^5 | ~10^4 |

The observed and forecasted growth rate of paper mill papers outpaces corrective measures, a new study finds. R. Richardson et al./PNAS 2025

Clarivate

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Source = Web of Science Core Collection



Web of Science Journal Evaluation Process and Selection Criteria

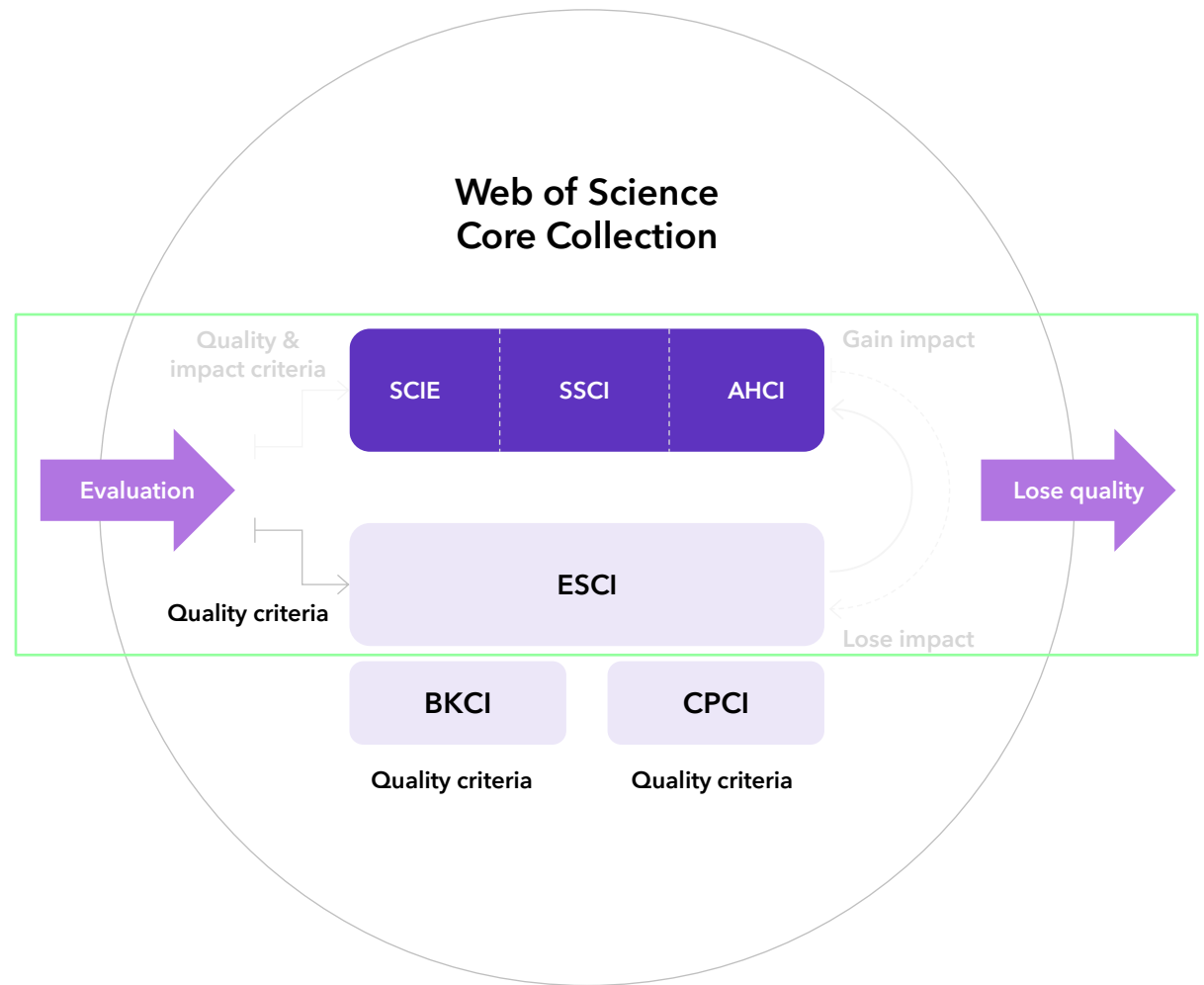
Journals that meet the quality criteria enter ESCI

Journals that meet **quality and impact** criteria enter SCIE, SSCI or AHCI

ESCI journals that gain impact move to SCIE, SSCI or AHCI

SCIE, SSCI and AHCI journals that decrease in impact move to ESCI

Any journal that fails to meet all quality criteria will be removed from the *Web of Science Core Collection*



Web of Science proporcionar contenido, datos y métricas en los que puede confiar



- ✓ Selectivity provides a **curated** collection



- ✓ Meticulous indexing provides a **reliable** view of research



- ✓ Expert analysis provides **trustworthy** metrics

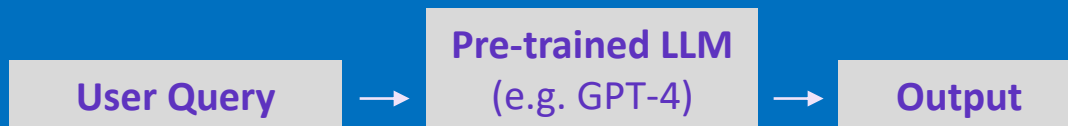


AI tool developed with and for researchers

General-purpose LLM

Training data: “The Web”

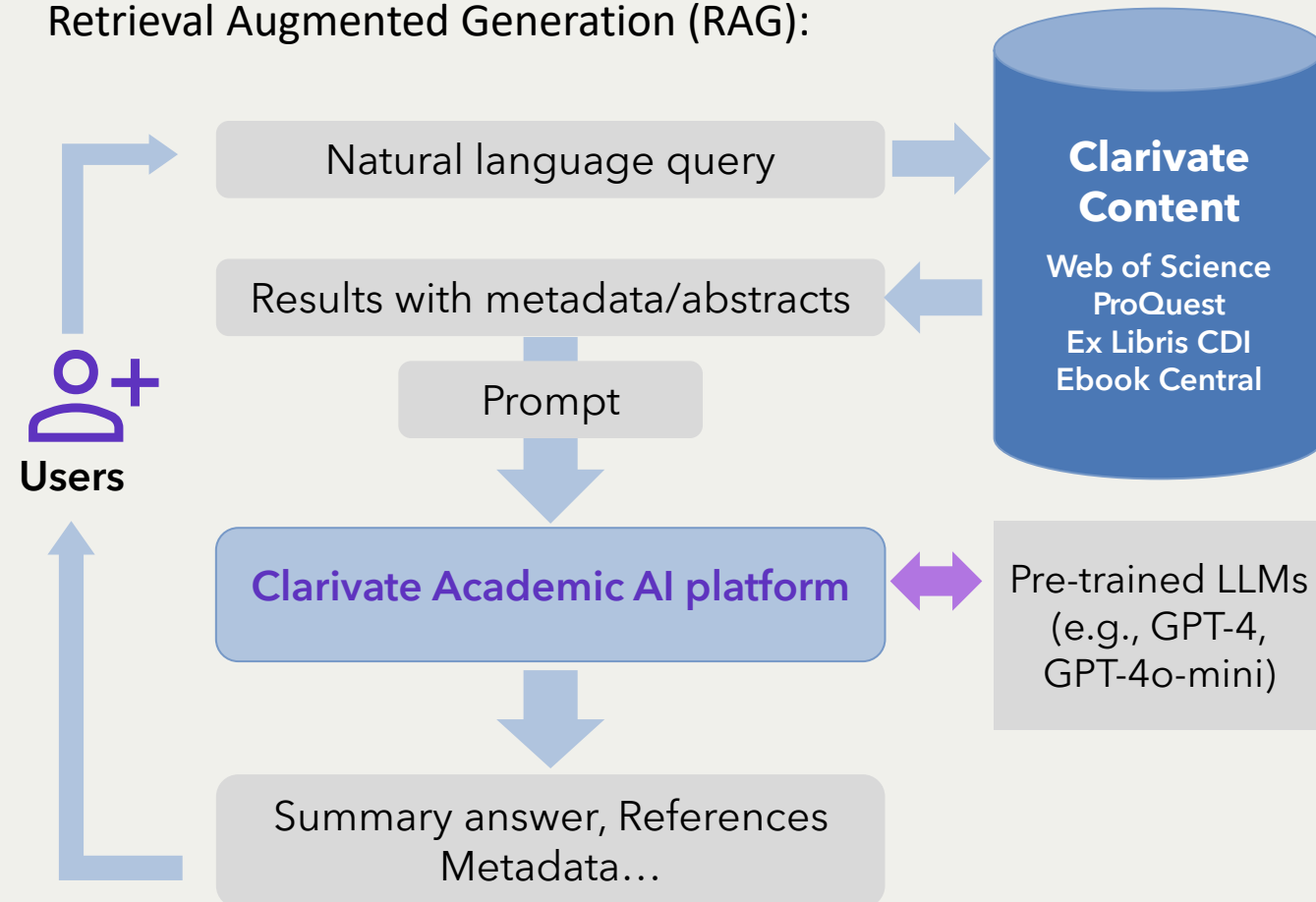
- Unspecific, not transparent
- BUT, effective at training the LLM to:
 - Understand patterns
 - Create coherent text outputs
 - Translate



Academic AI: Grounding output in trusted content

- Results are based on trusted facts & information
- Minimizing hallucinations and bias

Retrieval Augmented Generation (RAG):



Leverage a responsible AI tool developed with and for researchers



Delivers curated data
from editorially selected
sources



Developed in
partnership with the
research community

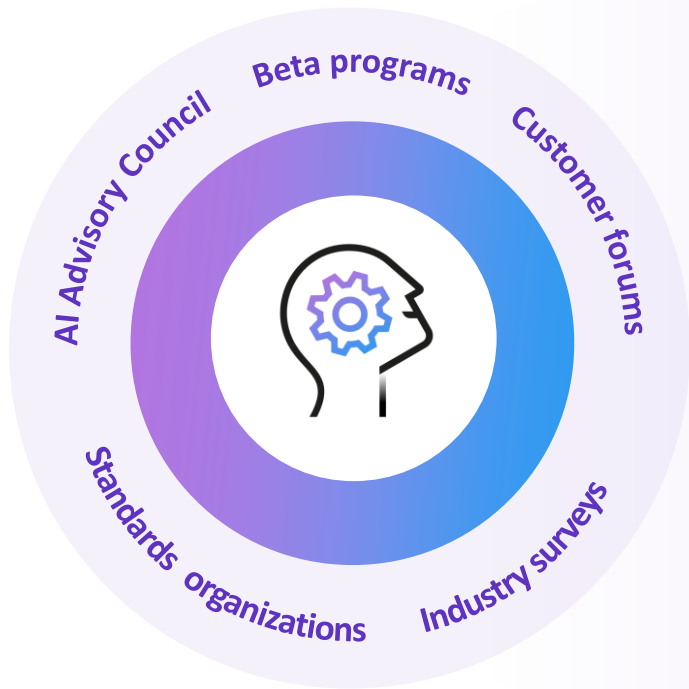


Optimized for
academic research
use cases



Aligned with evolving
licensing and usage
rights in the AI
landscape

Responsible AI principles, informed by the academic community



Opportunities:

- Content discovery
- Insights from data
- Personalized learning
- Staff productivity

Concerns:

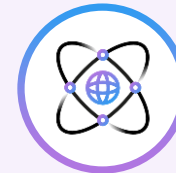
- Bias & hallucinations
- Learning shortcuts
- Bad actors (e.g. papermills)
- Plagiarism

AI Framework



Transparent

- Clear information about the content sources used
- Proper attribution and easy access to cited works



Ethical

- Measures to reduce bad information
- Collaboration with publishers to ensure clear usage rights
- Collaboration with industry org. for responsible AI implementations



Safe

- Human-in-the-loop
- Uphold privacy & security standards
- Adherence to evolving global regulations

Overview

Our AI solutions for academia

Resources

FAQ

Let's talk

Frequently Asked Questions

Are you training public Large Language Models (LLM)?

What sources are used to generate content?

How are you ensuring against 'AI content hallucinations' and bad information?

What transparency do you offer regarding your AI-based responses?

How is customer data protected and kept secured?

How do your AI-based discovery tools rank and prioritize the sources listed?

How do you handle sensitive or offensive user questions?

Are your tools supporting languages other than English?

How is Clarivate addressing the environmental impact of AI tools?

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- Buscar una revista donde publicar

Example 3 – Find a journal

Web of Science™ Smart Search Advanced Search **Research Assistant** Anne Delgado

History

Accelerate Your Research—Start with an Agent

Topic Explorer
for the Web of Science Core Collection
New — Agent 2.0

Understand a topic with:

- Definitions
- Frequent keywords
- Sub-topics
- Related topics
- Visualizations
- Citation Network

[Start Topic Explorer](#)

Literature Review
for the Web of Science Core Collection
Agent 2.0

Enhance literature reviews with:

- Research Gap Analysis
- Hypotheses
- Common Findings/Themes
- Hot Topics
- References
- Trends Identification

[Start Literature Review](#)

Find a Journal
within the Web of Science Core Collection
New — Agent 2.0

Find relevant journals by:

- Journal Citation Reports
- Open Access
- Research area
- Country/Region
- Web of Science Category
- Manuscript

[Find a Journal](#)

Can't decide which agent to use? [Start with the Topic Explorer.](#)

Have a research question? Chat with Research Assistant.

Research Assistant 1.0

Ask a research question

Web of Science Research Assistant

Start getting more out of the world's most trusted citation database



More than a chatbot

Our assistant runs alongside you as you work, keeping up with your research needs as they develop.



Designed for researchers

Developed in partnership with the research community, the tool is optimized for academic research use cases.



Responsible AI

Rely on a tool that delivers verifiable responses based on 120 years of research in editorially selected sources.

Resources

- Video and Quick Reference Guide : [Web of Science Research Assistant - Web of Science](#)
- Frequently asked questions : [Web of Science Research Assistant - Web of Science](#)
- For questions, please contact : WoSG.support@clarivate.com

Para cualquier pregunta relacionada con el funcionamiento de las herramientas, por favor contacte con los servicios de su biblioteca o bien con WoSG.support@clarivate.com

