



User Guide Manual

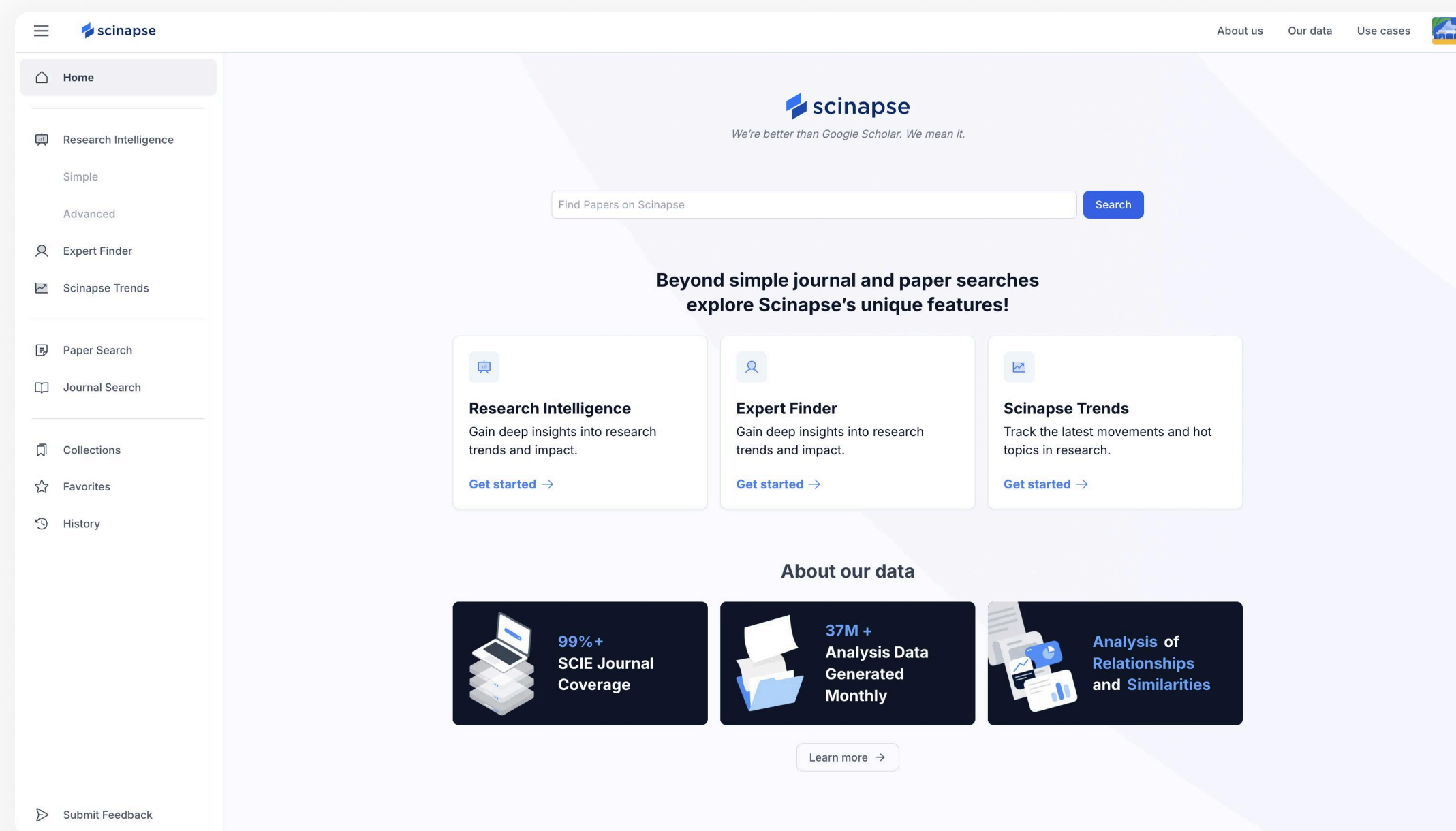
We're better than Google Scholar. We mean it.

Discover new insights for better research and business.
We focus on in-depth research data and analytics from research papers.

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Scinapse Main Page & Article View



02

Key Functions Guide

1 🔥 Research Intelligence

- Analytic Target, Summary, Trends, AI Scinapse review, Top papers, authors, affiliations, countries

2 👨‍🔬 Expert Finder

- Find the Most Suitable Researcher in a Specific Field
- Find Rising Stars

3 📊 Scinapse Trends

- Find the history of a particular research field of interest briefly
- Compare Trends

01

Main Page & Article View

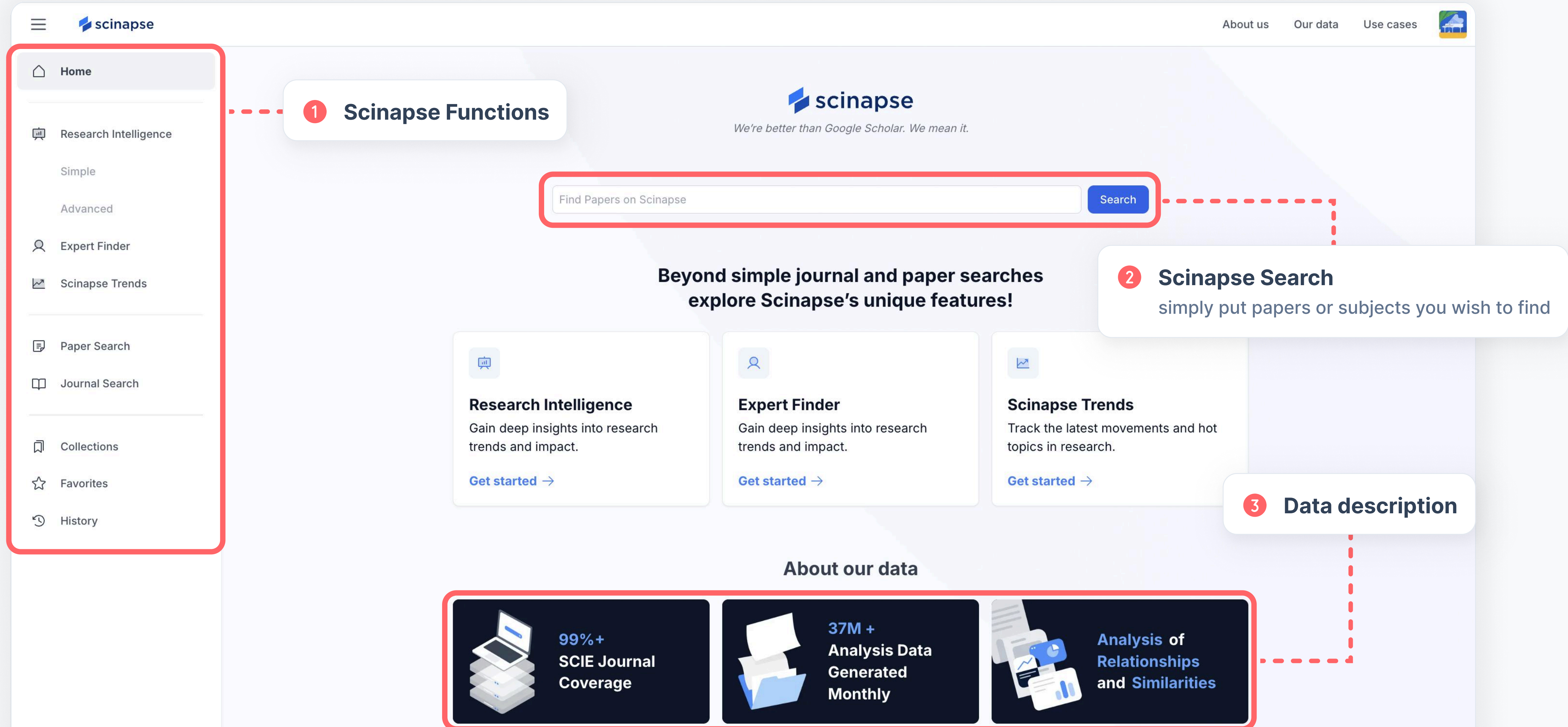
**Scinapse is where discovery
meets intelligence.**

More than a search tool, it uncovers connections, trends,
and insights hidden in millions of papers.



Main Page

 A clean, simple, and intuitive main page that anyone can pick up and use at a glance.



The screenshot shows the Scinapse main page with three numbered callouts:

- 1 Scinapse Functions**: A red box highlights the left-hand navigation menu, which includes Home, Research Intelligence (Simple and Advanced), Expert Finder, Scinapse Trends, Paper Search, Journal Search, Collections, Favorites, and History.
- 2 Scinapse Search**: A red box highlights the search bar with the placeholder text "Find Papers on Scinapse" and a "Search" button. Below it, a text box explains: "simply put papers or subjects you wish to find".
- 3 Data description**: A red box highlights the "About our data" section at the bottom, which contains three statistics: "99%+ SCIE Journal Coverage", "37M+ Analysis Data Generated Monthly", and "Analysis of Relationships and Similarities".

Article View



Search and discover articles of interest, and explore insights beyond the papers themselves.

Title	Journal	Published Date	Author
Quantum computation and quantum information	ACM SIGSOFT Software Engineering Notes	Jul 1, 2001	Jim L...
Quantum Computation and Quantum Information	American Journal of Physics	May 1, 2002	Micha Isaac, Lov I...
Quantum entanglement	Reviews of Modern Physics	Jun 17, 2009	Rysza Paweł, Mich, Karo
Quantum cryptography	Reviews of Modern Physics	Mar 8, 2002	Nicola Wolfg, Hug
Theory of open quantum systems	The Journal of Chemical Physics	May 9, 2002	Rui-Xi
Computable measure of entanglement	Physical Review A	Feb 22, 2002	Guifré Reinh.
Colloquium: Topological insulators	Reviews of Modern Physics	Nov 8, 2010	M. Za

doi.org/10.1103/revmodphys.81.865



Review paper

Quantum entanglement

Ryszard Horodecki ³⁹, Paweł Horodecki ⁵⁸, ..., Karol Horodecki ¹⁹

View all 4 authors

Reviews of Modern Physics 45.90

Volume: 81, Issue: 2, Pages: 865 - 942

Published: Jun 17, 2009

7,981 Citations

Sources

PDF

Cite

Save

Basic Info

Analytics

References

Citations

PDF

Abstract

All our former experience with application of quantum theory seems to say: $\{it$

Article View (cont.)

H-index
An indicator that reflects both the productivity and impact of a researcher.

doi.org/10.1103/revmodphys.81.865

Review paper

Quantum entanglement

Ryszard Horodecki ³⁹, Paweł Horodecki ⁵⁸, ..., Karol Horodecki ¹⁹

- #1 [Ryszard Horodecki](#) (UG: University of Gdańsk) ³⁹
- #2 [Paweł Horodecki](#) (UG: University of Gdańsk) ⁵⁸
- [Michał Horodecki](#) (UG: University of Gdańsk) ⁵⁹
- Last. [Karol Horodecki](#) (UG: University of Gdańsk) ¹⁹

View all 4 authors

Reviews of Modern Physics 45.90

Volume: 81, Issue: 2, Pages: 865 - 942

Published: Jun 17, 2009

7,981 Citations

Sources

PDF

Cite

Save

Journal & Impact Factor
An indicator that measures how frequently papers published in a particular journal are cited by other papers.

- Source Direct Link
- PDF download
- Citation

Basic Info Analytics References Citations PDF

Basic info
Article Basic info provides you with Abstract, Paper fields, Figures & Tables and Paper Details (Title, Doi, Published Date, etc..)

Abstract

All our former experience with application of quantum theory seems to say: {it what is predicted by quantum formalism must occur in laboratory}. But the essence of quantum formalism - entanglement, recognized by Einstein, Podolsky, Rosen and Schrödinger - waited over 70 years to enter to laboratories as a new resource as real as energy. This holistic property of compound quantum systems, which involves nonclassical correlations between...

Basic Info Analytics References Citations PDF

Abstract

All our former experience with application of quantum theory seems to say: {it what is predicted by quantum formalism must occur in laboratory}. But the essence of quantum formalism - entanglement, recognized by Einstein, Podolsky, Rosen and Schrödinger - waited over 70 years to enter to laboratories as a new resource as real as energy. This holistic property of compound quantum systems, which involves nonclassical correlations between...

Read more

Paper Fields

- Quantum teleportation
- Physics
- Quantum discord
- Quantum capacity
- Multipartite entanglement
- Quantum cryptography
- Quantum
- Quantum entanglement
- Squashed entanglement
- Quantum network
- Theoretical physics
- Quantum information science
- Quantum mechanics
- Quantum information
- Entanglement witness

Figures & Tables

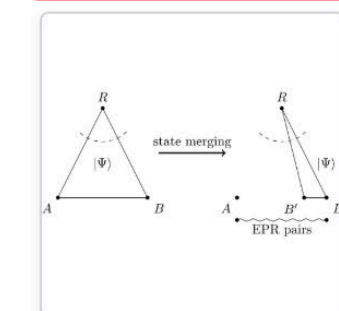


FIG. 1 The concept of state merging: before and after.

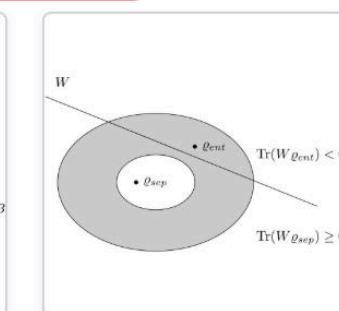


FIG. 2 The line represents hyperplane corresponding to the entanglement witness

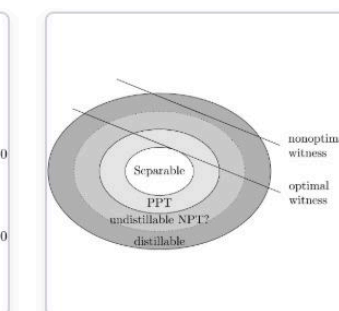


FIG. 3 Schematic representation of the set of all states with an example of entanglement

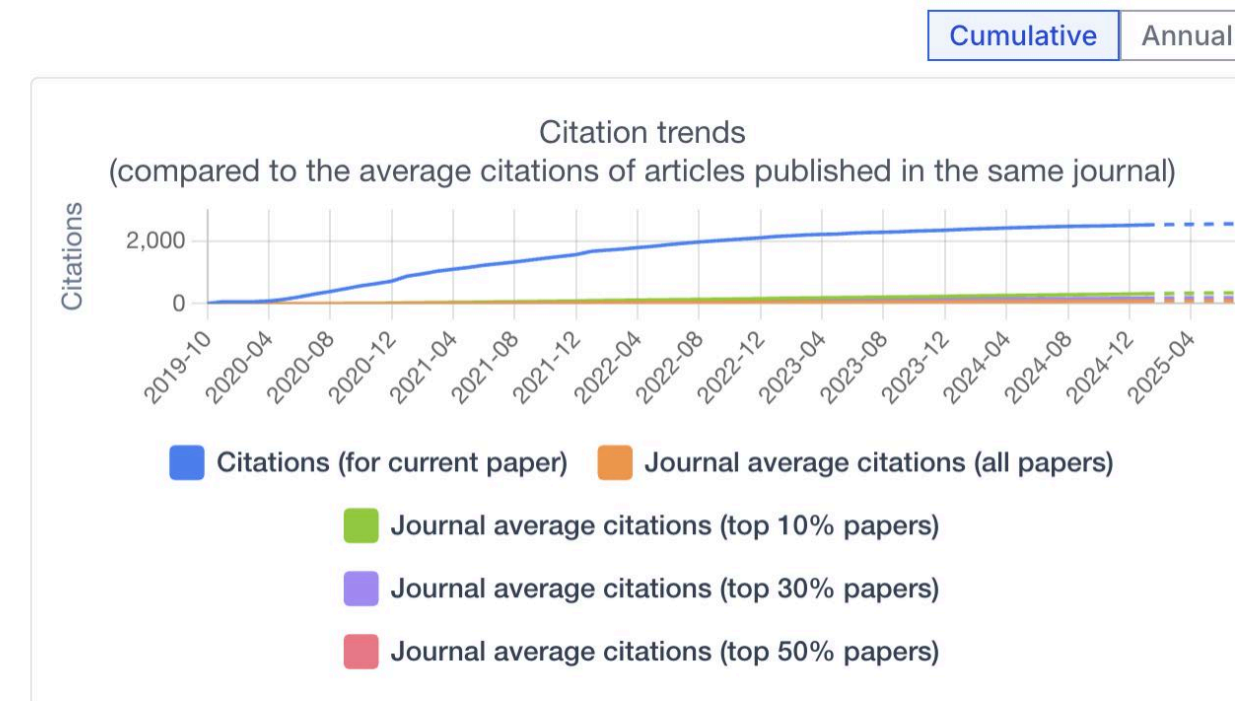
entanglement theory	key agreement
quantum entanglement	secret classical correlations
quantum communication	secret classical communication
classical communication	public classical communication
local actions	local actions

TABLE I Here we present relations between basic notions of key agreement and entanglement

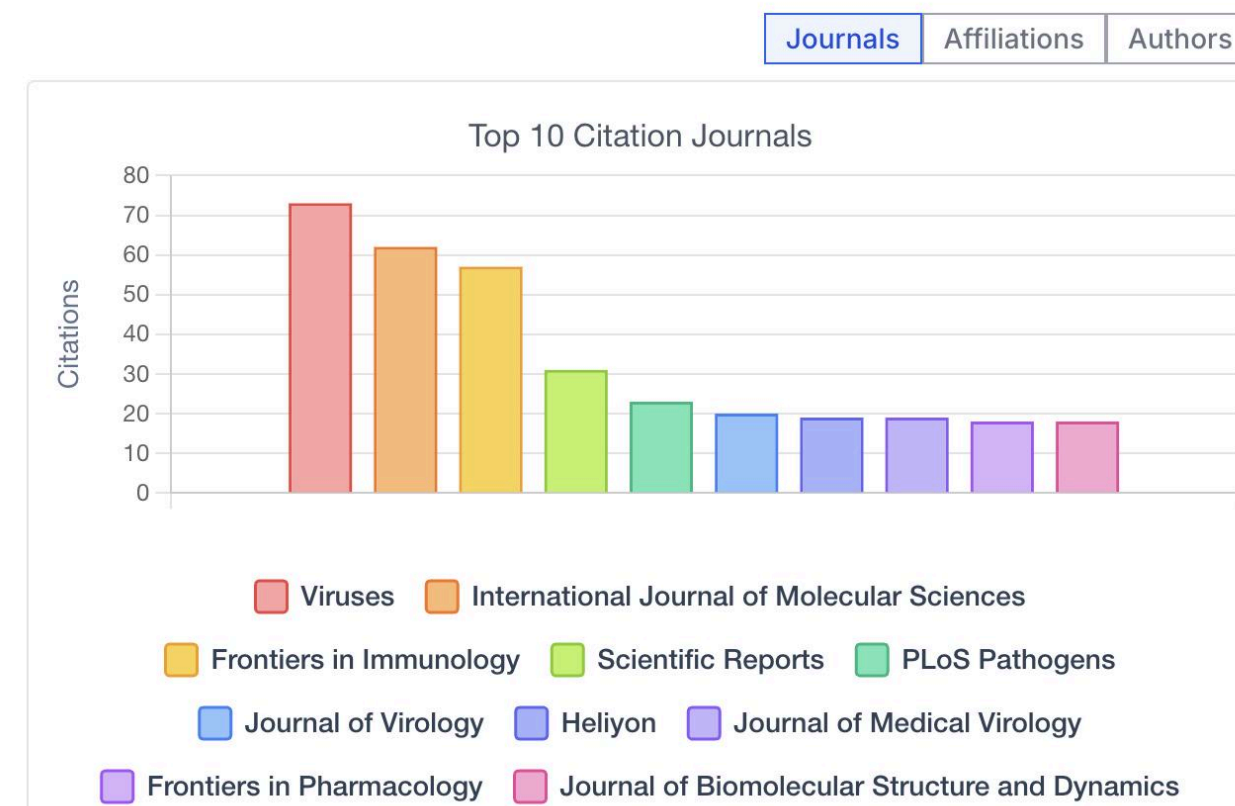
Article View (cont.)

Basic Info **Analytics** References Citations PDF

Trends



Citation Analysis



Analytics provides Trends, Citation Analysis of the paper

Basic Info Analy **References** Citations PDF

References 48

Search papers Citations

Other

Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China

Jan 24, 2020 · The Lancet **98.40**

#1 [Chaolin Huang](#) 19

#2 [Yeming Wang](#) (CJFH: China-Japan Friendship Hospital) 29

Last: [Bin Cao](#) (CJFH: China-Japan Friendship Hospital) 70

[View all 29 authors](#)

41.4k Citations Source Cite Save

Original paper

A Novel Coronavirus from Patients with Pneumonia in China, 2019

Jan 24, 2020 · New England Journal of Medicine **96.20**

#1 [Na Zhu](#) (NIVDC: National Institute for Viral Disease Control and Prevention) 38

#2 [Dingyu Zhang](#) (Shandong First Medical University) 22

Last: [Wenjie Tan](#) (NIVDC: National Institute for Viral Disease Control and Prevention) 54

[View all 18 authors](#)

In December 2019, a cluster of patients with pneumonia of unknown cause was linked to a seafood wholesale market in Wuhan, China. A previously unknown betacoronavirus was discovered through the use of unbiased sequencing in samples from patients with pneumonia. Human airway epithelial cells were used to isolate a novel coronavirus, named 2019-nCoV, which formed a clade within the

References show the works that the paper itself has cited.

Basic Info Analytics Referen **Citations** PDF

Cited By 2,543

Search papers Citations

Review paper

Characteristics of SARS-CoV-2 and COVID-19

Oct 6, 2020 · Nature Reviews Microbiology **69.20**

#1 [Ben Hu](#) (CAS: Chinese Academy of Sciences) 22

#2 [Hua Guo](#) (WIV: Wuhan Institute of Virology) 27

Last: [Zheng-Li Shi](#) (CAS: Chinese Academy of Sciences) 68

[View all 4 authors](#)

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is a highly transmissible and pathogenic coronavirus that emerged in late 2019 and has caused a pandemic of acute respiratory disease, named 'coronavirus disease 2019' (COVID-19), which threatens human health and public safety. In this Review, we describe the basic virology of SARS-CoV-2, including genomic characteristics and receptor use, highlighting its key difference from previously known coronaviruses. We summarize current knowled...

[Read more](#)

4,078 Citations Source Cite Save

Original paper

Cell entry mechanisms of SARS-CoV-2

May 6, 2020 · Proceedings of the National Academy of Sciences **9.40**

#1 [Jian Shang](#) (University of Minnesota) 20

#2 [Yushun Wan](#) (University of Minnesota) 18

Last: [Fang Li](#) (University of Minnesota) 49

[View all 7 authors](#)

Citations show the cases where other papers have cited this paper.

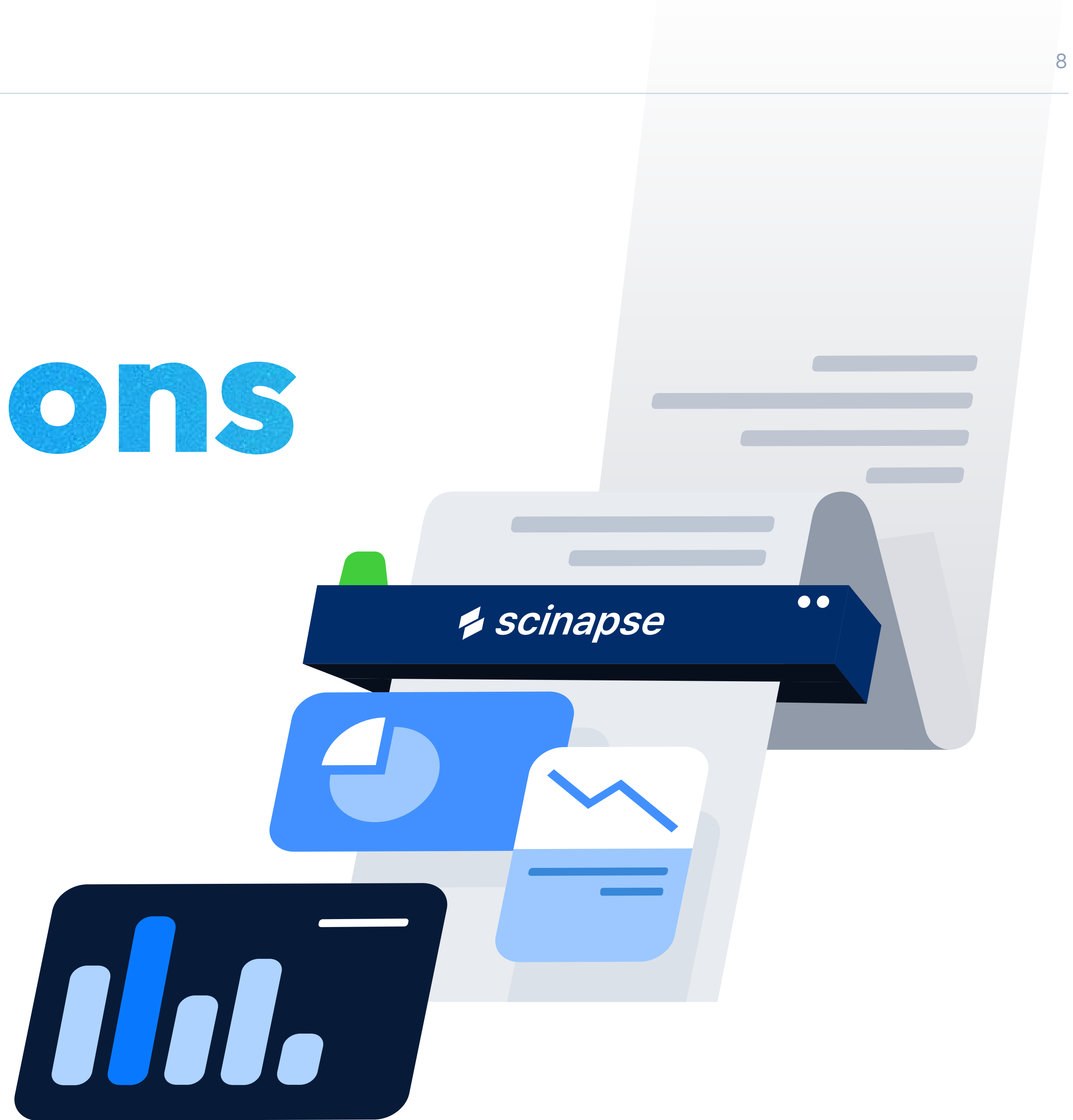
02

Key Functions

 **Research Intelligence**

 Expert Finder

 Scinapse Trends



KeyFunctions

✨ Beyond simple journal and paper searches – explore Scinapse's unique features!

The image shows a screenshot of the Scinapse web application interface. On the left is a navigation sidebar with a menu icon and the Scinapse logo. The sidebar contains several menu items: 'Home', 'Research Intelligence' (highlighted with a red box), 'Simple', 'Advanced', 'Expert Finder' (highlighted with a red box), 'Scinapse Trends' (highlighted with a red box), 'Paper Search', and 'Journal Search'. On the right side of the interface, there are three dark blue callout boxes with white text and icons, connected to the sidebar items by red dashed lines. The first callout is connected to 'Research Intelligence', the second to 'Expert Finder', and the third to 'Scinapse Trends'. The background of the interface is light gray with a search bar and some faint text like 'Find Papers on Scinapse' and 'Beyond simple journal and paper searches - explore Scinapse's unique features!'.

Gain deep insights into research trends and impact.

- Analytic Targets from related papers
- Analyzed and extracted the research trends
- AI Research Insights & Review
- Analysis of the topic related to Top Papers, Authors, Affiliations, Countries

Discover leading experts and collaborators in any field.

- Provides filtered authors in specific research fields.
- Can locate the most prominent researchers in your field of interest

Track the latest movements and hot topics in research.

- Helps you to find the history of a particular research field of interest briefly

🔍 Research Intelligence | Dashboard

Gain deep insights into research trends and impact Provides Summary, Trends, AI-Review, Papers, Authors, Affiliations, Countries

1 Filter side bar

2 Research Functions

3 AI Research Insights
The insights extracted using LLM by analyzing the top original papers from the last 3/5/7 years, within the user-created paper set. The analysis results include original papers only. (Other paper types are excluded)

The dashboard interface includes a top navigation bar with 'About us', 'Our data', and 'Use cases' links. A search bar prompts the user to 'Use Advanced filter if you want to set a more specific target for your analytics.' Below this is a horizontal menu for 'Analytic Targets (1M+)' with options: Summary, Trends, Scinapse Review (selected), Top Papers, Top Authors, Top Affiliations, and Top Countries. The main content area is titled 'Summary' and provides an overview of the 1M+ paper set, including a warning to 'Try advanced filter' for precise domains. A section for 'AI Research Insights' is highlighted, showing insights over the past 3, 5, and 7 years. The 3-year insight text reads: 'Over the past 3 years, the research has focused on advancing protein folding accessibility, real-time object detection, antimicrobial resistance analysis, vision learning scalability, and functional enrichment analysis tools.' At the bottom, there are sections for 'PAPER SET QUALITY & QUANTITY' and 'RECENT LEADING RESEARCHERS'.

🔍 Research Intelligence | Dashboard (scroll-down)

4 Paper set quality & quantity

- The graph visualizes both relative popularity and qualitative trends of the selected paper set.
- Quality: The average number of citations received during the first year span after publication per paper.
 - Quantity: The publications of the paper set.

5 Recent Leading Researchers

The top 5 influential authors, based on the original paper, in the last 5 years. Based on the paper set created by the user.

The dashboard interface includes a sidebar with filters for Research Fields (Biogenesis, Bilayer graphene), Keywords (Quantum dot, "Perovskite solar cell"), Published Year (2018-2025), and Article Type (Original, Review, Other). The main content area features a chart titled "PAPER SET QUALITY & QUANTITY" and a table titled "RECENT LEADING RESEARCHERS".

PAPER SET QUALITY & QUANTITY

The quality and quantity of papers in this dataset

Year	Quantity (publications)	Quality (average citations)
2018	~6,000,000	~3,800,000
2019	~6,200,000	~4,200,000
2020	~6,500,000	~6,200,000
2021	~6,300,000	~5,800,000
2022	~5,800,000	~6,500,000
2023	~6,000,000	~5,800,000
2024	~6,000,000	~4,500,000
2025	~2,800,000	~1,000,000

View more trends →

RECENT LEADING RESEARCHERS

FULL NAME	H-INDEX (TOTAL)	H-INDEX (FILTERED SET) ↓
Zhong Lin Wang	293	98
Ben Zhong Tang	196	86
Wei Huang	198	65
Zhanhu Guo	190	64
Chunyi Zhi	144	63

View more authors →

Research Intelligence | Dashboard (scroll-down)

Product tour About us Our data Use cases Pricing



TOP ORIGINAL PAPERS

6 Top original papers

The top 5 papers with high internal citations based on the original paper, within the user-created paper set.

TITLE		
Global Cancer Statistics 2020: GLOBOCAN Esti...		
MEGA X: Molecular Evolutionary Genetics Analysis across...	Molecular Biology and Evolution	22.1k
Clinical Characteristics of Coronavirus Disease 2019 in Ch...	New England Journal of Medicine	17.7k
Highly accurate protein structure prediction with AlphaFold	Nature	17.1k
Squeeze-and-Excitation Networks		14.7k

[View more papers →](#)

TOP AFFILIATIONS

7 Top Affiliations

The top 5 affiliations with the highest number of papers in the paper set created by the user. (However, the affiliation is based on the author's affiliation at the time of writing the paper)

NAME	
Chinese Academy of Sciences	
Zhejiang University	
Shanghai Jiao Tong University	
Tsinghua University	88.9k
Sichuan University	83.8k

[View more affiliations →](#)

TOP COUNTRIES

8 Top Countries

The top 5 countries with the highest number of papers, in the paper set created by the user. (However, it is based on the affiliation to which the first and last authors belong at the time of writing each paper)

COUNTRY	
China	
United States of America	
Indonesia	
India	
Brazil	
United Kingdom of Great Britain and Northern Ireland	1.2M
Germany	1M
Japan	987k
Russian Federation	979k
France	825k

Intelligence <<

filter

Clear

Search Fields and or

Analysis, Bilayer graphene

and or

Words

and or

from dot, "Perovskite solar cell"

Filtered Year x

2025

Type

Original Review Other

Indexed

University, MIT, Stanford Univer

ca, Nature, Advanced Materials

on

Country Region

Research Intelligence | Filter

Find and explore papers with precision – only with Scinapse’s filters!

Research Intelligence <<

Simple filter

Clear

1 Research Fields and or
Biogenesis, Bilayer graphene

2 Keywords and or
Quantum dot, "Perovskite solar cell"

3 Published Year x
2018 2025

4 Article Type i
 Original Review Other

SCIE Indexed i

5 SCIE Indexed i
 Yes

6 Affiliation i
Harvard University, MIT, Stanford University

7 Journal i
Science, Nature, Advanced Materials

8 Location i
Country Region
Search country

9 Citation Count i
0 10k+

10 Journal Impact Factor i
0 100+

1 Research Fields
Provides and/or function to specify the fields

2 Keywords
Provides and/or function to specify the fields

3 Published Year
From 1900 ~ Current

4 Article Type
Original, Review, Other

5 SCIE Indexed
Filter papers that are part of SCIE (Science Citation Index Expanded)

6 Affiliation
Filtering based on the last known publications' listed affiliation by the lead author/s of the paper.

7 Journal
Filter papers that are part of SCIE (Science Citation Index Expanded)

8 Location
Country /Region

9 Citation Count
Filtering based on the citations of the paper.

10 Journal Impact Factor
Filtering of listed papers within a journal, based on the journal's impact factor.

Research Intelligence | Research Analytic Targets

Papers are the analytic targets generated from your search.

The screenshot displays the Scinapse Research Intelligence interface. On the left, a sidebar contains search filters: 'Research Fields' with 'molecular', 'Biology', and 'Molecular biology' selected; 'Published Year' set to 2025; 'Article Type' with 'Original', 'Review', and 'Other' checked; 'SCIE Indexed' with 'Yes' unchecked; and 'Affiliation' with 'Harvard University, MIT, Stanford Univer' entered. A 'Use advanced filter' button is at the bottom of the sidebar.

The main content area shows 'Analytic Targets (262k)' with tabs for 'Summary', 'Trends', 'Scinapse Review', 'Top Papers', 'Top Authors', 'Top Affiliations', and 'Top Countries'. A text box explains that these papers are the analytic targets based on the search, and each tab's information is based on these target papers. A warning icon suggests using the advanced filter for precise domains.

Below this is a table of papers with columns: Title, Journal, Year, Authors, Citations, Research Fields, and doi. The first row is 'Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein' from 'Cell' (2020) by Alexandra C. Walls, Young-Jun Park, Andrew T. McGuire, and David Veessler, with 6,884 citations. Other rows include 'U1 snRNP regulates cancer cell migration and invasion in vitro' (Nature Communications, 2020), 'Characterization of spike glycoprotein of SARS-CoV-2 on virus entry and its immune cross-reactivity with SARS-CoV' (Nature Communications, 2020), 'Macrophage Polarization: Different Gene Signatures in M1(LPS+) vs. Classically and M2(LPS-) vs. Alternatively Activated Macrophages' (Frontiers in Immunology, 2019), and 'Omicron escapes the majority of existing SARS-CoV-2 neutralizing antibodies' (Nature, 2021).

On the right, a 'Sort by' dropdown menu is open, showing options: 'Citations' (checked), 'Newest', and 'Oldest'. At the bottom right, a 'Pages' control shows 'Rows per page' set to 10 and '1 page' selected.

Four numbered callouts are present:

- 1 Analytical Targets**: These papers are the analytic targets based on your search.
- 2 Search**: Points to the search filters in the sidebar.
- 3 Sorted by**: Points to the 'Sort by' dropdown menu.
- 4 Pages**: Points to the pagination controls at the bottom right.

Research Intelligence | Research Trends

Analytic Targets (10.4k) Summary **Trends** Scinapse Review Top Papers Top Authors Top Affiliations Top Countries

Trends

Identify changing research trends and noteworthy institutions, journals, and countries within a specific field or filtered set.

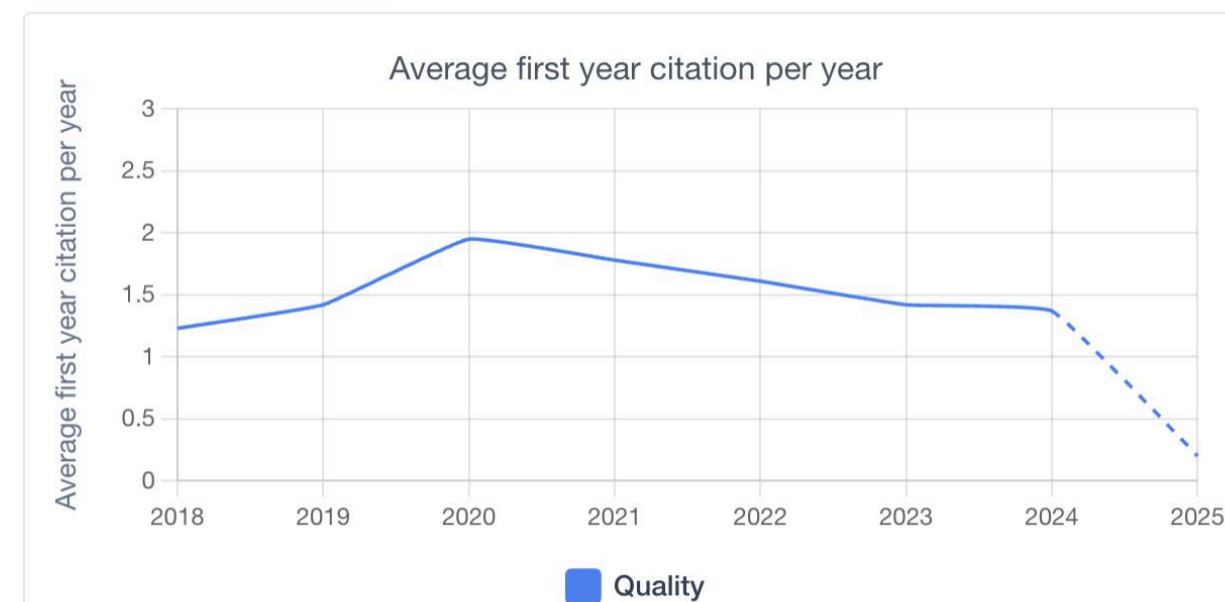
Publication Trends

2018 - 2025



Publications

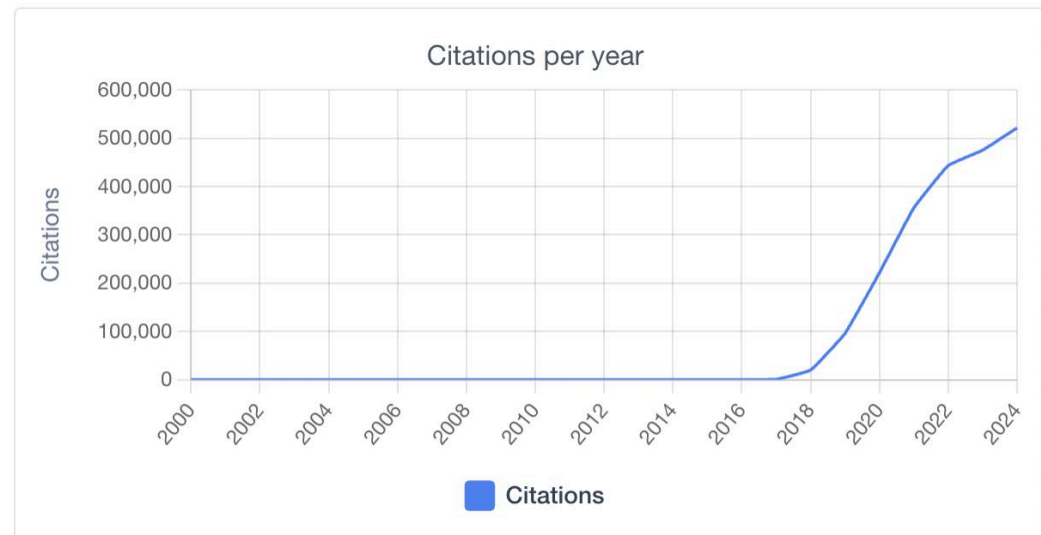
2018 - 2025



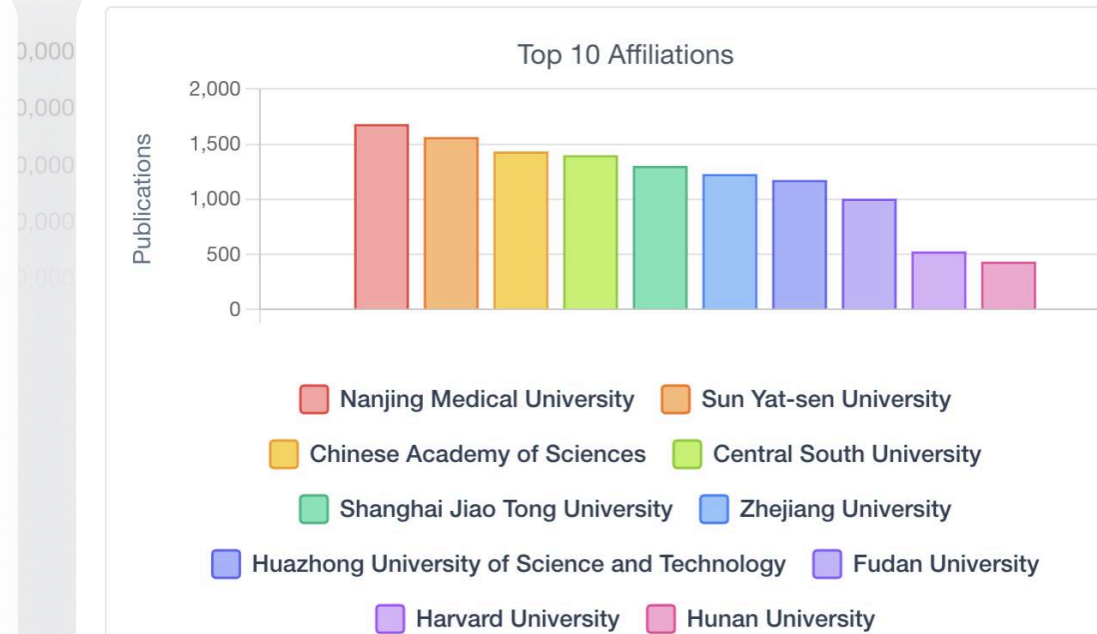
Avg. first year citation per year

2000 - 2025

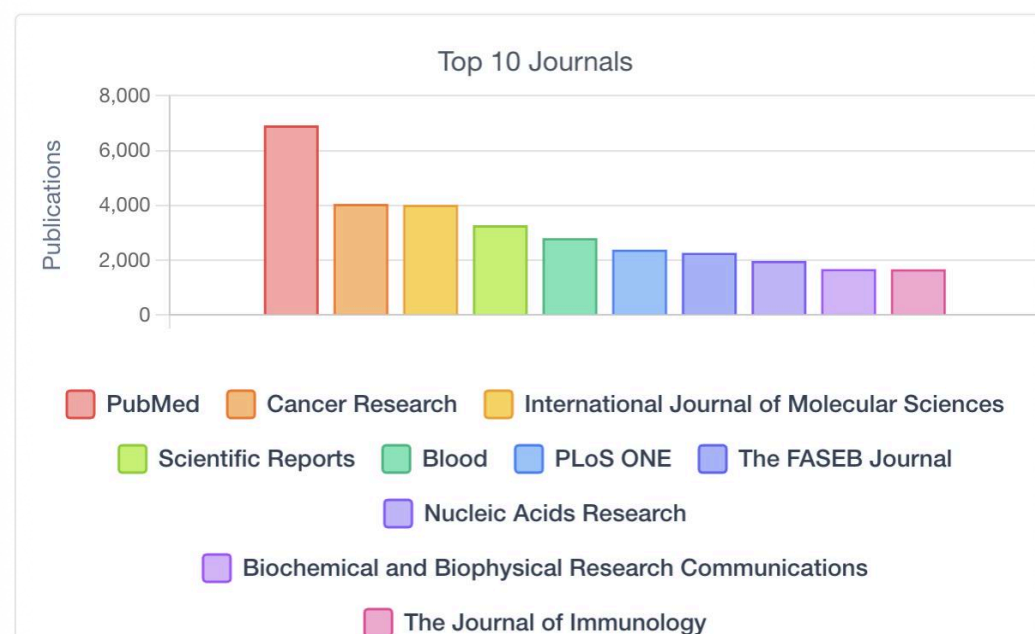
2000 - 2025



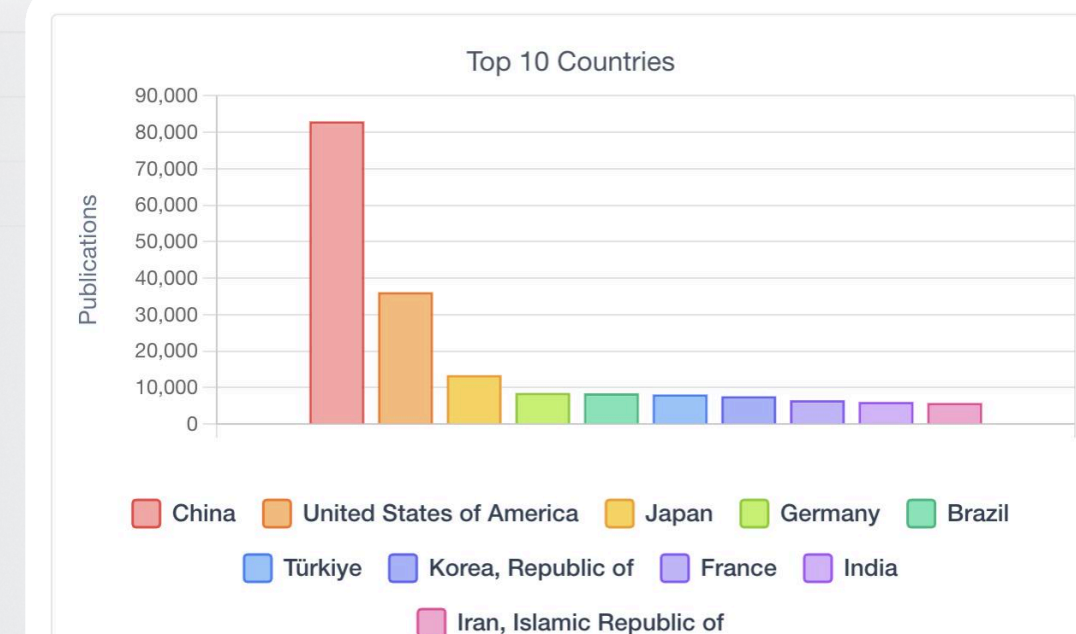
Citation per year



Top 10 Affiliations



Top 10 Journals



Top 10 Countries

Research Intelligence | Scinapse Review

Research Intelligence

Simple filter

Research Fields

and or x

Biogenesis, Bilayer graphene

Biology x and

Molecular biology x and

Mutation x

Keywords

and or

Quantum dot, "Perovskite solar cell"

Published Year

A horizontal range slider with blue circular handles. The left handle is positioned at 2018 and the right handle is at 2025. The slider bar is light blue.

Article Type

- Original
- Review
- Other

SCIE Indexed

Yes

- Analytic Targets (10.4k)
- Summary
- Trends
- Scinapse Review**
- Top Papers
- Top Authors
- Top Affiliations
- Top Countries

Scinapse Review

AI-powered review generation for the research fields, keywords and topic you wish

Enter values in the 'Research Field' or 'Keywords' boxes to generate a customized review paper.

Generate Review

Scinapse's AI-Generated Review Papers

Customized Reviews with Just a Few Keywords
Simply enter a few keywords, and Scinapse generates a review paper tailored to your exact research scope.

Up-to-Date Trends Only
It analyzes papers published **within the last 5 years** —automatically filtering out outdated research —so you stay aligned with the most current developments.

Key Points, Auto-Summarized
No more exhaustion from reading endless papers. Scinapse summarizes only the most critical insights for you.

***AI-generated**

Analytic Targets (10.4k) **Scinapse Review** Top Authors Top Affiliations Top Countries

◆ Scinapse Review

Decoding the Mutational Landscape: Recent Advances in Mutation Research

Introduction

The study of mutations, their causes, consequences, and potential therapeutic interventions, is a rapidly evolving field. This mini-review examines recent advancements in mutation research over the past five years, drawing exclusively from the provided list of publications. We focus on three key areas: (1) understanding the mechanisms and consequences of mutagenesis, (2) advancements in base editing technologies, and (3) the role of mutations in viral evolution and disease.

Mutagenesis Mechanisms and Detection

Understanding the mechanisms by which mutations arise is crucial for preventing and treating diseases linked to genomic instability. Several studies have focused on identifying mutagens and characterizing their effects on the genome. [Francesco Marchetti's](#) group at the University of Ottawa has extensively used the MutaMouse model to study chemically induced mutations, revealing mechanisms underlying human cancer mutational signatures ([Marc A. Beal et al., 2020, Commun. biolog.](#)). Their work continued with duplex sequencing to identify genomic features that determine susceptibility to benzo(a)pyrene-induced mutations *in vivo* ([Danielle LeBlanc et al., 2022, BMC Genomics](#)) and further characterized mutation frequencies and spectra in the bone marrow of MutaMouse males exposed to procarbazine hydrochloride ([Annette Dodge et al., 2023, Archives of Toxicology](#)). These studies highlight the power of the MutaMouse model in [studies of chemical mutagenesis](#).

Conclusion

The past five years have witnessed significant advancements in mutation research, driven by technological innovations and a growing understanding of the underlying mechanisms. From elucidating the effects of chemical mutagens to developing precise base editing tools and tracking viral evolution, these studies have expanded our knowledge of the mutational landscape and its implications for human health. Continued research in these areas holds great promise for preventing and treating a wide range of diseases linked to mutations.

References

28 papers

Original paper
Spike mutation D614G alters SARS-CoV-2 fitness
 #1 [Jessica A. Plante](#)
 Oct 26, 2020 · [Nature](#)



Boom!
Your review has been generated!



With Scinapse's personalized AI-generated review papers, you can now save valuable time in your early-stage research.



Click on the blue-highlighted authors or paper titles in the text to view detailed pages with full bibliographic information.



At the bottom, you'll also find the conclusion along with a list of referenced papers.

Research Intelligence | Top Papers, Authors, (Affiliations, Countries)

Provides analysis of top papers, authors, affiliations, and countries within the selected research fields and keywords

Research Fields and or x

molecular x

Biology x and

Molecular biology x

Keywords and or

Quantum dot, "Perovskite solar cell"

Published Year i x

2018 2025

Article Type i

SCIE Indexed i

Analytic Targets (10.4k) Trends Scinapse Review **Top Papers** Top Authors Top Affiliations Top Countries

Top Papers

The most influential **300 papers** among 10.4k search results

Papers Analytics

Analyze recent publications: Last 3 years Last 5 years

Title	Journal	Published Date	Authors	Citations(Filtered set)	Citations	Research Fields
Leber's hereditary optic neuropathy (LHON)-associated ND5 12338T > C mutation altered the assembly and function of complex I, apoptosis and mitophagy	Human Molecular Genetics	Mar 21, 2018	Juanjuan Zhang, Yanchun Ji, ..., Xiaoling Liu, Min-Xin Guan	21	62	Gene, Mutant, Molecular biology View more

Filter Export

Top Authors Full data i

The most influential **300 authors** among 10.4k search results

Authors Analytics

Analyze recent publications: Last 3 years Last 5 years Last 7 years

Name	Last Known Affiliation	h-index (Filtered set)	Publications (Filtered set)	Citations (Filtered set)	Total h-index	Total Publications	Total Citations	Published Papers
Min-Xin Guan 	Qinghai Red Cross Hospital	14	20	463	51	315	8,901	View papers

Filter Export Expand

Based on the selected research field and keywords, Scinapse identifies the analytic targets

Research Intelligence | Top Papers, Authors, (Affiliations, Countries)

Top Papers

Title	Journal	Published Date	Authors	Citations (Filtered set)	Citations	Research Fields
Leber's hereditary optic neuropathy (LHON)-associated ND5 12338T > C mutation altered the assembly and function of complex I, apoptosis and mitophagy	Human Molecular Genetics	Mar 21, 2018	Juanjuan Zhang, Yanchun Ji, ..., Xiaoling Liu, Min-Xin Guan	21	62	Gene, Mutant, Molecular biology
Spike mutation D614G alters SARS-CoV-2 fitness	Nature			15	1,198	medicine
				13		

Citations (Filtered set)
 Filtered Citations indicates the relative impact of the paper within the target research domain or within its own group of papers (Scinapse Special Feature)

Citations
 Normal citations which reflects across all fields and disciplines

Top Authors

Name	Last Known Affiliation	h-index (Filtered set)	Publications (Filtered set)	Citations (Filtered set)	Total h-index	Total Publications	Total Citations	Published Papers
Min-Xin Guan	Qinghai Red Cross Hospital	14	20	463	51	315	8,901	View papers
Hiroyuki Kamiya	Asahikawa Medical University						09	View papers
Yinsheng Wang	China Academy of Sciences						2k	View papers

H-index (Filtered Set)
 Filtered Set indicates h-index, publications, and citations that are filtered based on the selected research filed

Total h-index, publications and citations
 reflects numbers that are counted across all fields and disciplines

By distinguishing between total citations and domain-specific citations, we provide researchers with a smarter, more precise, and more reliable way to identify papers that have real value and impact within their field of study.

02

Key Functions

 Research Intelligence

 **Expert Finder**

 Scinapse Trends

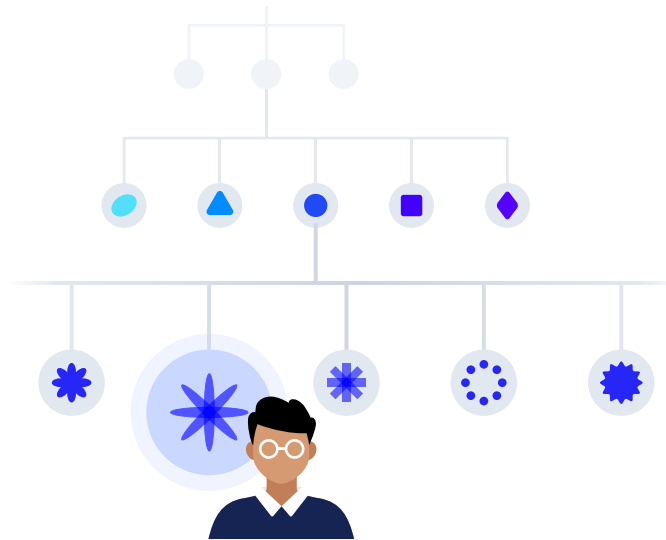




Expert Finder

Researchers are measured by an individual's expertise in a particular field by **calculating a domain h-index** based on the number and impact of their relevant publications as the corresponding author. A higher score reflects a significant contribution to that field.

Find Experts in Academia with Simple Keywords



Find the Most Suitable Researcher in a Specific Field

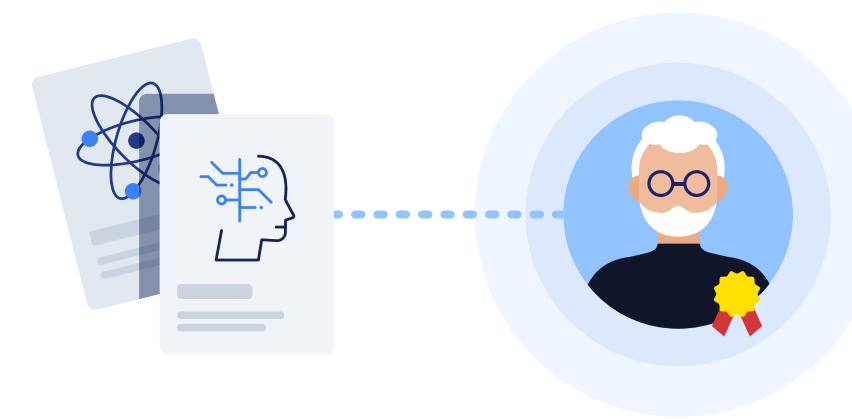
Our algorithms classify researchers within all their very detailed academic fields, allowing you to find the most suitable person for your research project. Find experts by searching fields or simple keywords



Find Rising Stars

Easily find promising emerging experts, within your country, who are likely to collaborate.

Track the Latest Academic Trends



Locate the Most Prominent Researchers in Your Field of Interest

Don't get lost in a sea of information trying to find researchers in a specific field. Identify prominent researchers in particular subfields in minutes.



Reliable Validation of a Researcher Expertise

Traditional measures like the h-index & citation counts fall short & have limitations. We utilize credible metrics that evaluate expertise based on field relevance, independent of career duration.

Expert Finder

Identify the researchers behind each paper so you can easily find, analyze and connect with leading experts in your field with our Author Explorer.

The screenshot shows the Scinapse Expert Finder interface. On the left is a sidebar with search filters. The main area displays search results for experts, including their names, affiliations, research fields, and a table of metrics. Red boxes and callouts highlight specific features and data points.

Expert Finder (Sidebar)

- Clear
- Research Fields: **Biochemistry**
- Keywords: **biogenesis**
- Is Active Researcher: Yes
- Affiliation: Harvard University, University of Cambridge
- Location: Country, Region
- h-index: 0 to 350+

Found 4,345 experts.

Researchers are measured by an individual's expertise in a particular field by calculating a domain h-index based on the number and impact of their relevant publications as the corresponding author. A higher score reflects a significant contribution to that field.

Exportable info

Export to CSV ^{Pro} Domain h-index

Expert name

Info

Domain h-index
Domain h-index is calculated only based on the selected research field

Expert Name	Publications	Citations	h-index	Personal IF	Domain h-index
Roland Lill Loewe Center for Synthetic Microbiology	240	22.3k	93	9.6	43
David A. Hood York University	349	20.3k	59	3.21	41
Yukio Fujiki Kyushu University	283	15.6k	62	3.87	33

Expert Finder

Our tool uses citation analysis and author contribution/article type data to provide a precise measure of the influence of experts

Found 4,345 experts.

Researchers are measured by an individual's expertise in a particular field by the number and impact of their relevant publications as the corresponding author or co-author contribution to that field.

Roland Lill

Loewe Center for Synthetic Microbiology

Mitochondrion [↗](#) Mitochondrial intermembrane space [↗](#)

Frataxin [↗](#) Aconitase [↗](#)

Recently focused

240 Publications **22.3k** Citations **93** h-index **9.6** Personal IF **43** Domain h-index

 Yukio Fujiki
Kyushu University

Peroxisomal targeting signal [↗](#) Plasmalogen [↗](#) Phospholipid [↗](#)

Membrane protein [↗](#)

Recently focused

283 Publications **15.6k** Citations **62** h-index **3.87** Personal IF **33** Domain h-index

Roland Lill

Loewe Center for Synthetic Microbiology
Germany

93 h-index **240 Publications** **1st-year-citations**

Basic Info Analytics Network Publications

Research Fields [?](#)

[↗](#) Mitochondrion [View papers \(133\)](#)

[↗](#) Cytosol [View papers \(86\)](#)

[↗](#) Biogenesis [View papers \(77\)](#)

[↗](#) Mitochondrial membrane transport protein [View papers \(25\)](#)

[↗](#) Translocase of the inner membrane [View papers \(23\)](#)

[↗](#) Translocase of the outer membrane [View papers \(22\)](#)

Recently focused [Show more](#)

[↗](#) Translocase of the outer membrane [View papers \(22\)](#)

Recently focused [Show more](#)

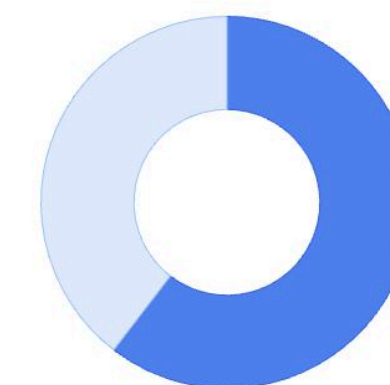
Research Stats [?](#)

93 h-index **240** Publications **22.3k** Citations **9.6** Personal Impact factor

Research Stats Detail

[By Authorship](#) [By Article type](#)

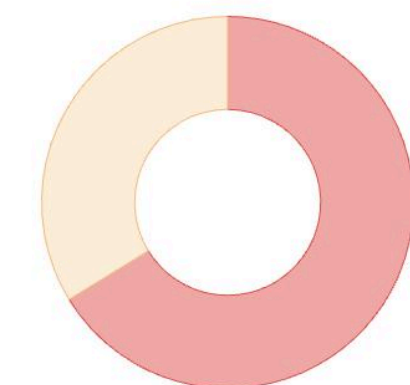
Publications by authorship



Lead Authored
Co-authored

240 Publications

Citations by authorship



Lead Authored
Co-authored

22.3k Citations

	Publications	Citations	h-index
All	240	22.3k	93

Expert Finder

Check out Expert Finder's unique **Close Researchers** feature — and don't miss the **Publications** too!

Found 4,345 experts.
 Researchers are measured by an individual's expertise in a particular field by the number and impact of their relevant publications as the corresponding author or contributor to that field.

 **Roland Lill**

Loewe Center for Synthetic Microbiology

Mitochondrion [↗](#) Mitochondrial intermembrane space [↗](#)

Frataxin [↗](#) Aconitase [↗](#) ▼

Recently focused

240 Publications **22.3k** Citations **93** h-index **9.6** Personal IF **43** Domain h-index

 **Yukio Fujiki**
 Kyushu University

Peroxisomal targeting signal [↗](#) Plasmalogen [↗](#) Phospholipid [↗](#)

Membrane protein [↗](#) ▼

Recently focused

Basic Info Analytics **Network** Publications

Close Researchers

Ulrich Mühlenhoff h-index: 51
 Philipps University of Marburg

Walter Neupert h-index: 101
 Ludwig-Maximilians-Universität München

Antonio J. Pierik h-index: 52
 Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau

Oliver Stehling h-index: 28
 Philipps University of Marburg

Gyula Kispál h-index: 32
 University of Pecs

Basic Info Analytics Network **Publications**

Publications **3,636**

Citations ▼

Publication Type ⓘ Authorship ⓘ Published year

Any publication type ▼ Authorship ▼ 2000 ~ 2025

≡ ≡ ≡

Other

Function and biogenesis of iron–sulphur proteins

Aug 1, 2009 · Nature 📊 50.50
👤 #1 [Roland Lill](#) (Philipps University of Marburg) 93

886 Citations [Source](#) [↗](#) [Cite](#) [Save](#)

Original paper

A Fraction of Yeast Cu,Zn-Superoxide Dismutase and Its Metallochaperone, CCS, Localize to the Intermembrane Space of Mitochondria

Oct 1, 2001 · Journal of Biological Chemistry
👤 #1 [Lori A. Sturtz](#) (JHU: Johns Hopkins University) 6
👤 #2 [Kerstin Diekert](#) (Philipps University of Marburg) 11
 Last: [Valeria Culotta](#) (JHU: Johns Hopkins University) 67
[View all 5 authors](#)

Expert Finder

Found 4,345 experts.

Researchers are measured by an individual's expertise in a particular field by calculating the number and impact of their relevant publications as the corresponding author. A contribution to that field.

Mitochondrion

Indicated the field of research in which the author has mainly worked

Mitochondrion

<https://www.wikidata.org/wiki/Q39572>

488k Authors

209k Publications

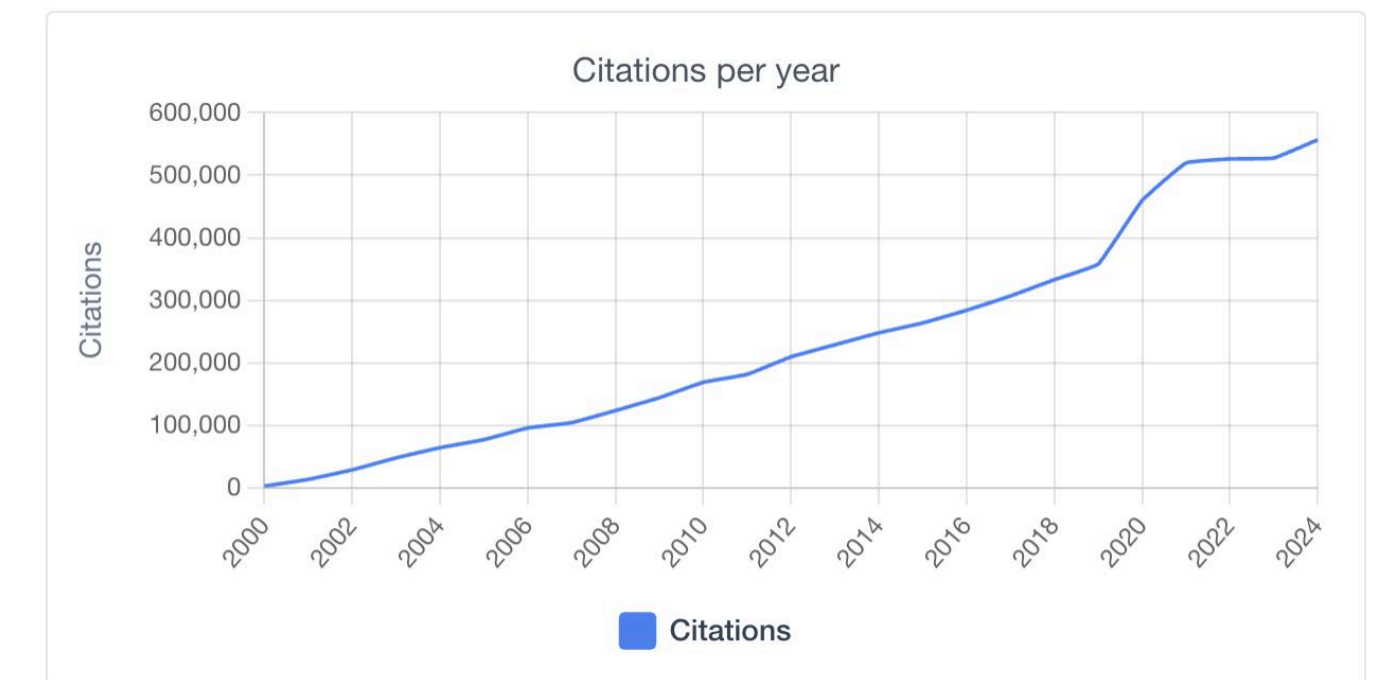
Hierarchy of fields grouped and ordered by coverage and concentration

Field Hierarchy

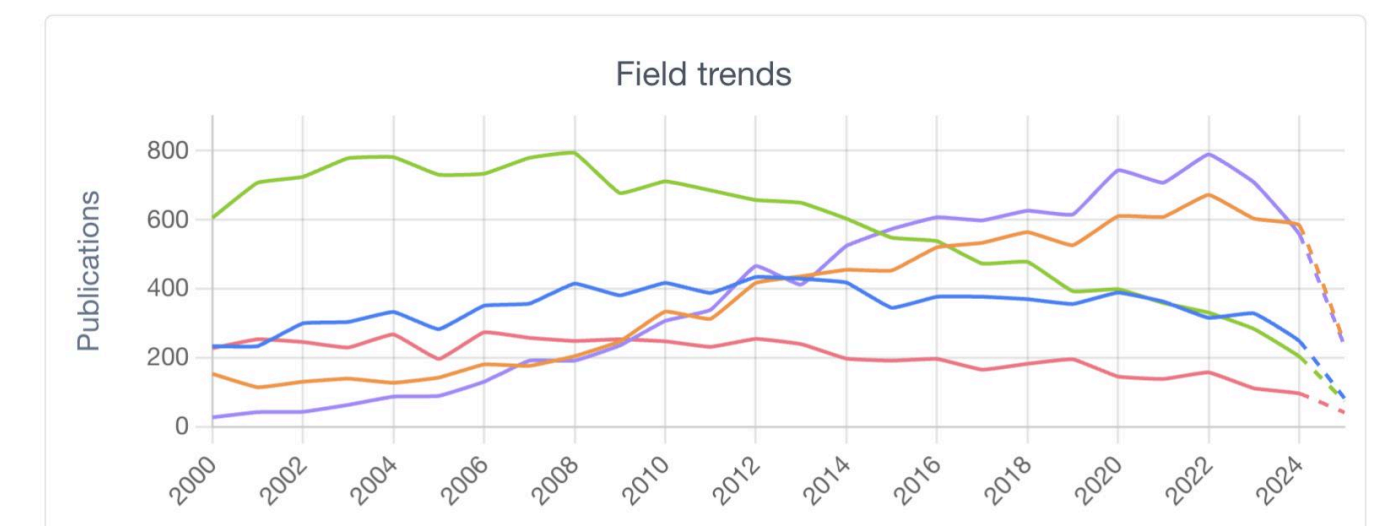
Parent			
Biology 36M papers	Chemistry 29.2M papers	Biochemistry 13.7M papers	Genetics 10M papers
Cell biology 3.6M papers			
Current			
Mitochondrion 209k papers			
Child			
Cytochrome c 31.6k papers	Cytochrome c oxidase 16.5k papers	Inner mitochondrial membrane 13.5k papers	Bioenergetics 11.7k papers
Mitochondrial biogenesis 10.5k papers	Respiratory chain 10.4k papers	Mitochondrial ROS 7,919 papers	Succinate dehydrogenase 7,720 papers
Inner membrane 6,675 papers		Coenzyme Q – cytochrome c reductase 6,666 papers	

Trends Top Researchers Top Affiliations Top Papers

Trends






Field Trends



02

Key Functions

-  Research Intelligence
-  Expert Finder
-  **Scinapse Trends**



Scinapse Trends

Scinapse Trends helps you to find the history of a particular research field of interest briefly. You can get more in-depth information in Research Intelligence and Expert Finder.

+ Add a research field

Examples



Compare **Hydrogen Production Method** trends

Explore the latest shifts in research focus for various hydrogen production techniques.

Try it now



Compare **Carbon Free Energy Storage** trends

Discover which energy storage methods are gaining the most attention from scientists lately.

Try it now



Compare **Degenerative Disease Research Trend** trends

Find out which degenerative diseases are seeing the most active treatment research.

Try it now

..

Compare **Hydrogen Production Method** trends

Scinapse Trends

Identify changing research trends and note worthy institutions, journals, countries and recent leading researchers within a specific field or filtered set.

● Alzheimer's disease
lv. 3 (118k papers)

● Parkinson's disease
lv. 3 (173k papers)

+ Add a research field

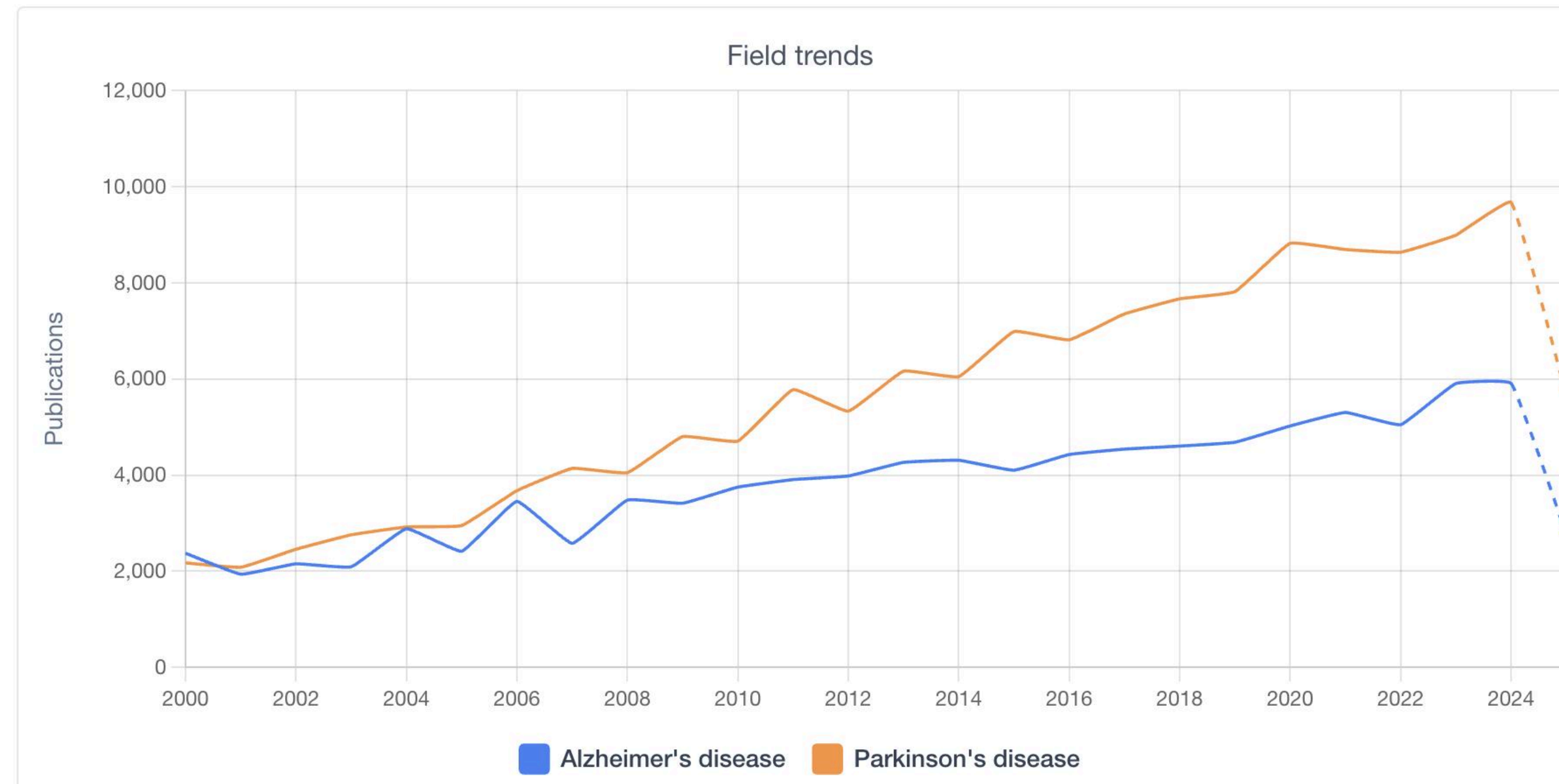
📅 Year ▾

🌐 Country ▾

🏢 Affiliation ▾

✓ SCIE ▾

[See more analytic data with Research Intelligence](#) →



Scinapse Trends

Quickly spot the top original papers and recent leading researchers in your chosen topic!

Parkinson's disease

Top original papers

TITLE	JOURNAL	CITATIONS (FILTERED SET) ↓
Trial of Prasinezumab in Early-Stage Parkinson's Disease	New England Journal of Medicine	70
Structures of α -synuclein filaments from human brains with Lewy pathol...	Nature	64
Trial of Cinpanemab in Early Parkinson's Disease	New England Journal of Medicine	60
Single-cell genomic profiling of human dopamine neurons identifies a p...	Nature Neuroscience	53
Toward therapeutic electrophysiology: beta-band suppression as a bioma...	npj Parkinson s Disease	44

[See more recent paper results with Research Intelligence →](#)

Recent leading researchers

FULL NAME	AFFILIATION	DOMAIN H-INDEX ↓
Andrés M. Lozano	University of Toronto	15
Nobutaka Hattori	Juntendo University	14
Diego Santos-García	Complejo Hospitalario Universitario A Coruña	12
Helen Brontë-Stewart	Stanford Medicine	12
Huifang Shang	West China Hospital of Sichuan University	12

[See more recent researchers with Expert Finder →](#)

Alzheimer's disease

Top original papers

TITLE	JOURNAL	CITATIONS (FILTERED SET) ↓
Lecanemab in Early Alzheimer's Disease	New England Journal of Medicine	476
New insights into the genetic etiology of Alzheimer's disease and rela...	Nature Genetics	225
Donanemab in Early Symptomatic Alzheimer Disease	JAMA	208
Two Randomized Phase 3 Studies of Aducanumab in Early Alzheimer's Dise...	The Journal of Prevention of Alzheimer s Disease	147
Head-to-head comparison of 10 plasma phospho-tau assays in prodromal A...	Brain	77

[See more recent paper results with Research Intelligence →](#)

Recent leading researchers

FULL NAME	AFFILIATION	DOMAIN H-INDEX ↓
Oskar Hansson	Lund University	39
Yakeel T. Quiroz	Massachusetts General Hospital	14
Pedro Rosa-Neto	Alzheimer's Disease Neuroimaging Initiative	14
Jin-Tai Yu	Fudan University	13
Jin-Tai Yu	Fudan University	12

[See more recent researchers with Expert Finder →](#)



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Discover new insights for better research and business.
We focus on in-depth research data and analytics from research papers.

Contact us

 **Sanha Kim** | Chief Revenue Officer

 sanha@pluto.im