



User Guide Manual

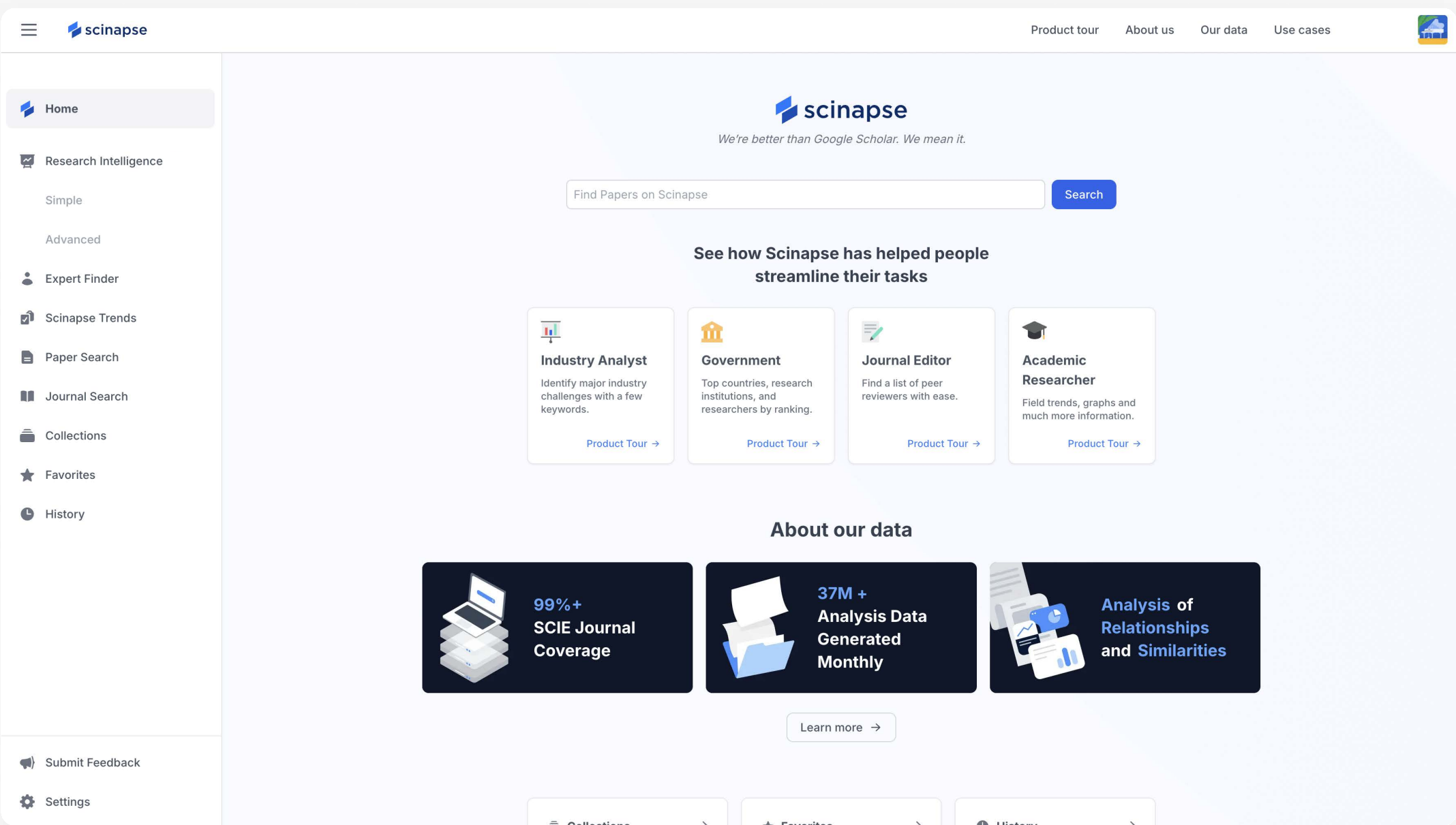
We're better than Google Scholar. We mean it.

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

TABLE OF CONTENTS

01

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 & ArticleView

**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.

scinapse

Product tour

About us

Our data

Use cases

Home

Research Intelligence

Simple

Advanced

Expert Finder

Scinapse Trends

Paper Search

Journal Search

Collections

Favorites

History

Submit Feedback

Settings

1

Scinapse Functions

scinapse

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

Find Papers on Scinapse

Search

See how Scinapse has helped people streamline their tasks

Industry Analyst

Identify major industry challenges with a few keywords.

Product Tour →

Government

Top countries, research institutions, and researchers by ranking.

Product Tour →

Journal Editor

Find a list of peer reviewers with ease.

Product Tour →

Academic Researcher

Field trends, graphs and much more information.

Product Tour →

2

Scinapse Search

simply put papers or subjects you wish to find

3

Data description

About our data

99%+ SCIE Journal Coverage

37M + Analysis Data Generated Monthly

Analysis of Relationships and Similarities

Learn more →

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

SourcesPDFCiteSave

Basic InfoAnalyticsReferencesCitationsPDF

Abstract

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

Article View (cont.)

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 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

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

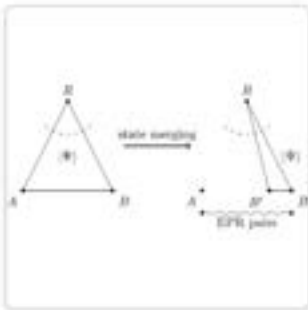


FIG. 1 The concept of state merging: before and after.

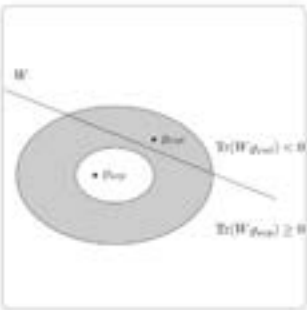


FIG. 2 The line represents hyperplane corresponding to the entanglement

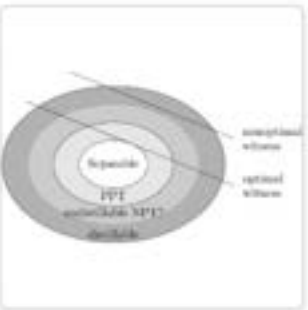


FIG. 3 Schematic representation of the set of all states with example of entangl...

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 ent...

H-index

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

Journal & Impact Factor

Source Direct Link

PDF download

Citation

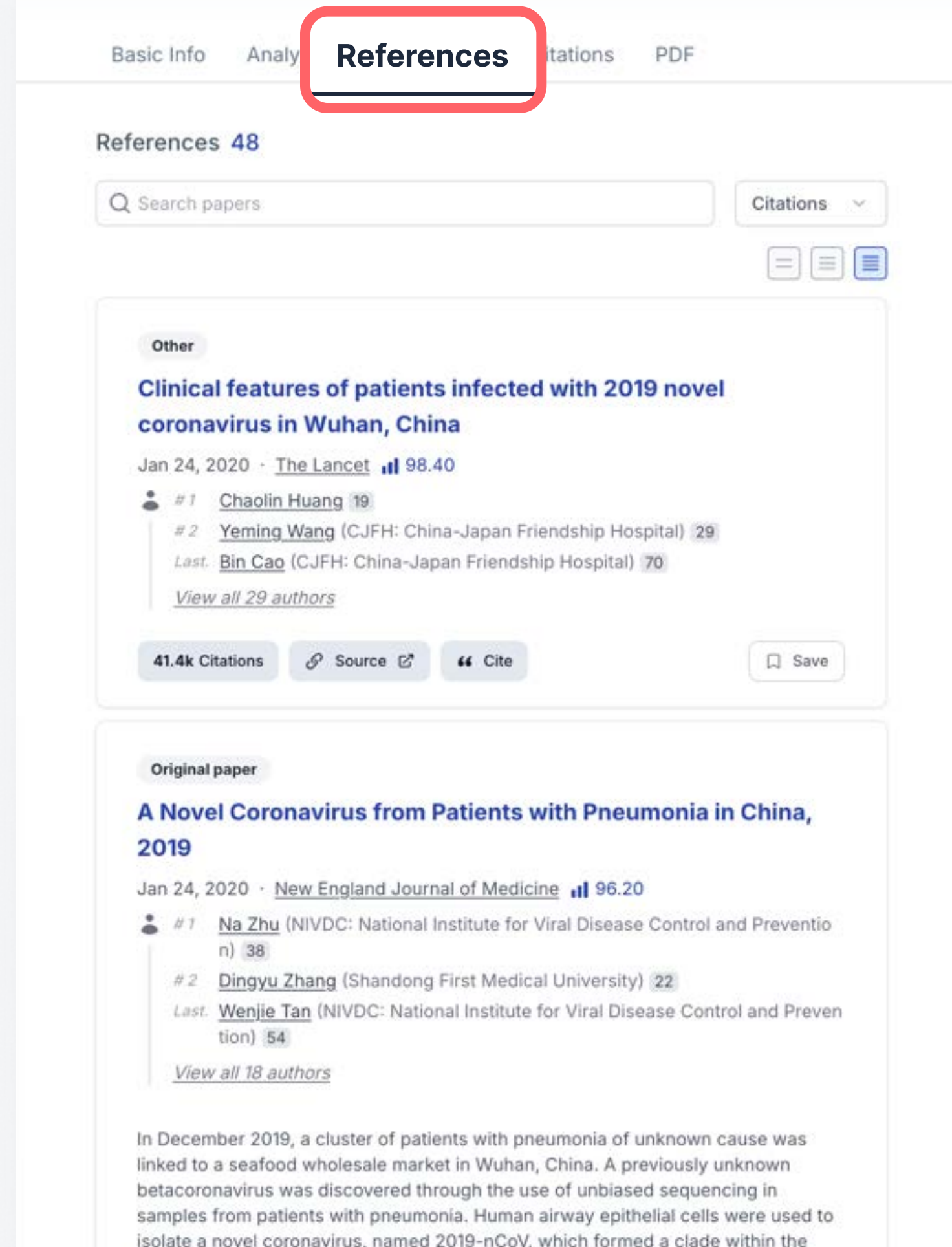
Basic info

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

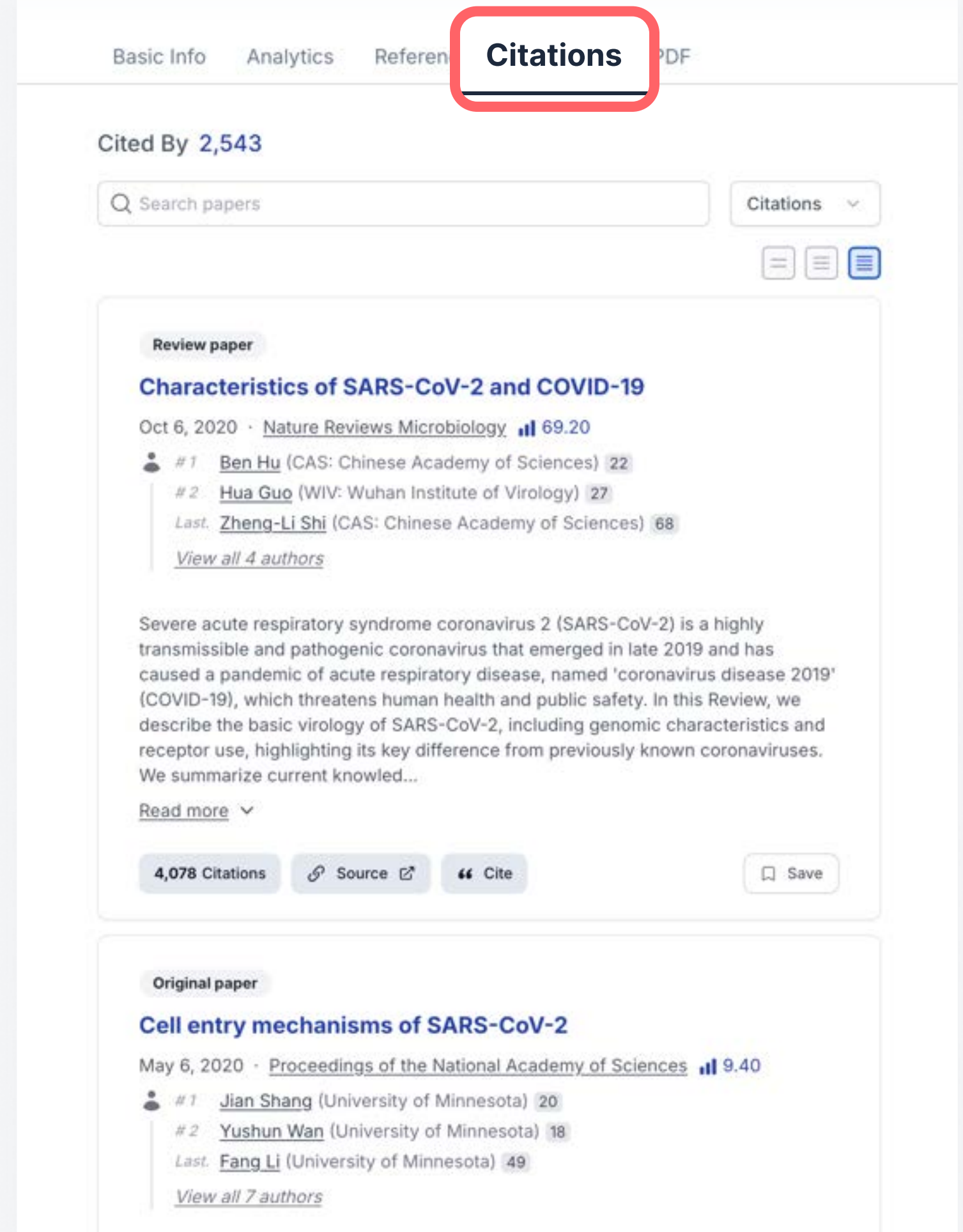
Article View (cont.)



Analytics provides Trends,
Citation Analysis of the paper



References show the works that
the paper itself has cited.



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

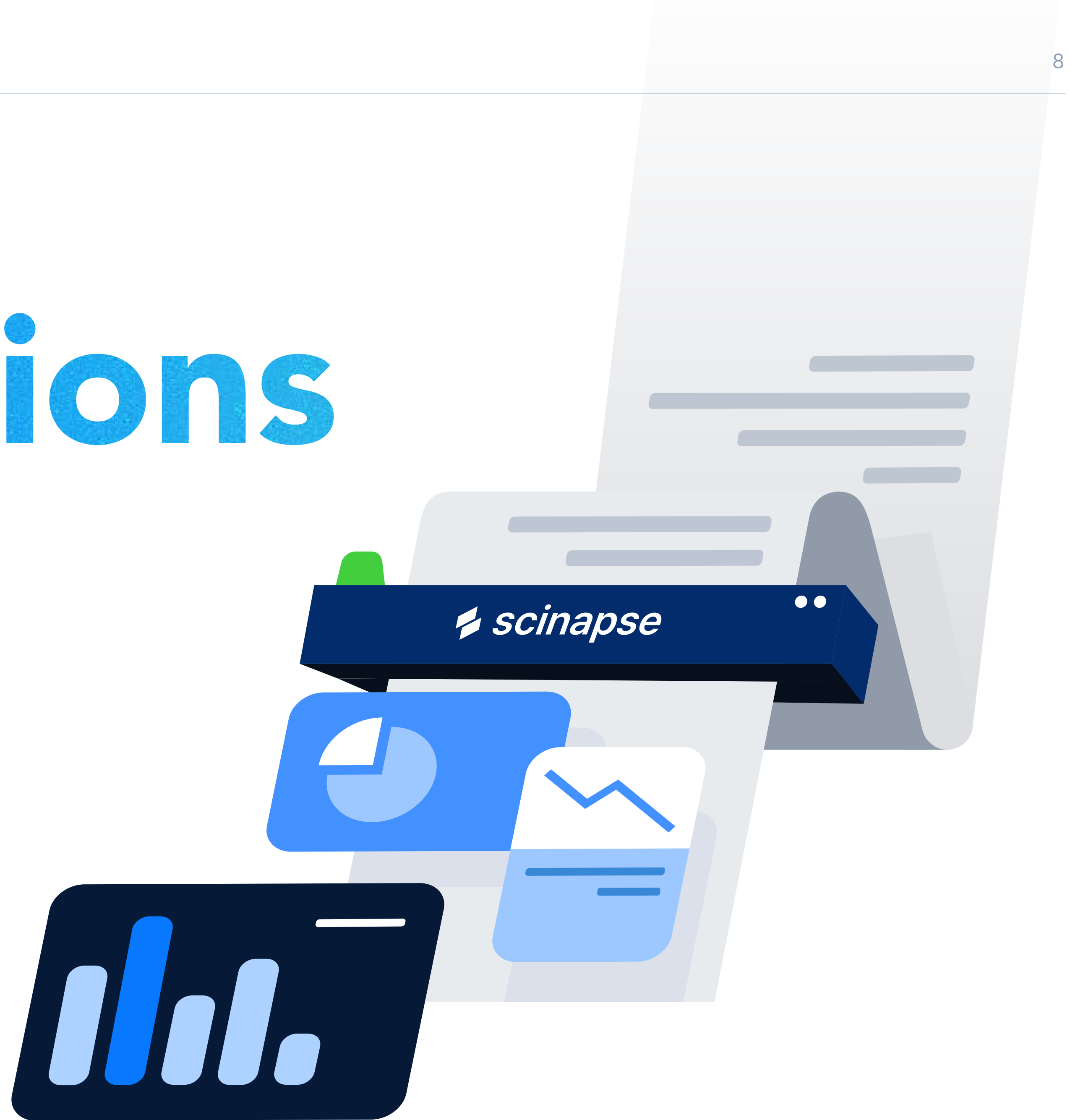
02

Key Functions

Research Intelligence

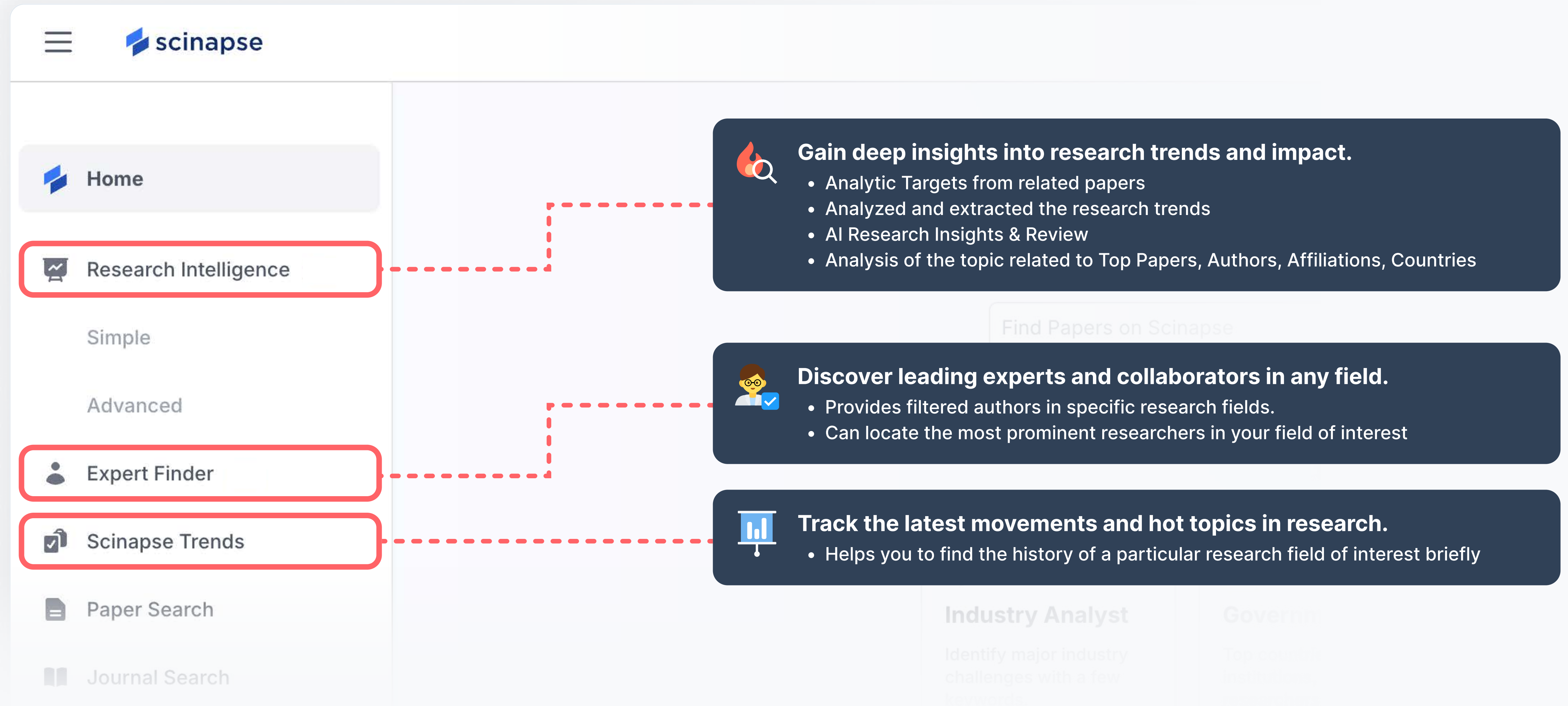
 Expert Finder

 Scinapse Trends



KeyFunctions

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



🔍 Research Intelligence | Dashboard

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

1 Filter side bar

📊

Research Intelligence

Simple filter

Clear

Research Fields

Biogenesis, Bilayer graphene

Keywords

Quantum dot, "Perovskite solar cell"

Published Year

20182025

Article Type

☒ Original☒ Review☒ Other

SCIE Indexed

☐ Yes

Affiliation

Product tour

About us

Our data

Use cases

🔍 Use Advanced filter if you want to set a more specific target for your analytics.

Analytic Targets (1M+)

Summary

Trends

🌟 Scinapse Review

Top Papers

Top Authors

Top Affiliations

Top Countries

Summary

From the 1M+ papers in your filtered set, we analyzed and extracted the research trends below. All filtered set citations are calculated based only on the 1M+ papers you set.

⚠️ Try advanced filter to set precise domains for analysis.

🌟 AI Research Insights ⓘ

☒ Insight over the past 3 years

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.

Insight over the past 5 years

Insight over the past 7 years

PAPER SET QUALITY & QUANTITY ⓘ

The quality and quantity of papers in this dataset

RECENT LEADING RESEARCHERS ⓘ

FULL NAME	H-INDEX (TOTAL)	H-INDEX (FILTERED SET)
-----------	-----------------	------------------------

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)

🔍 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.



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)

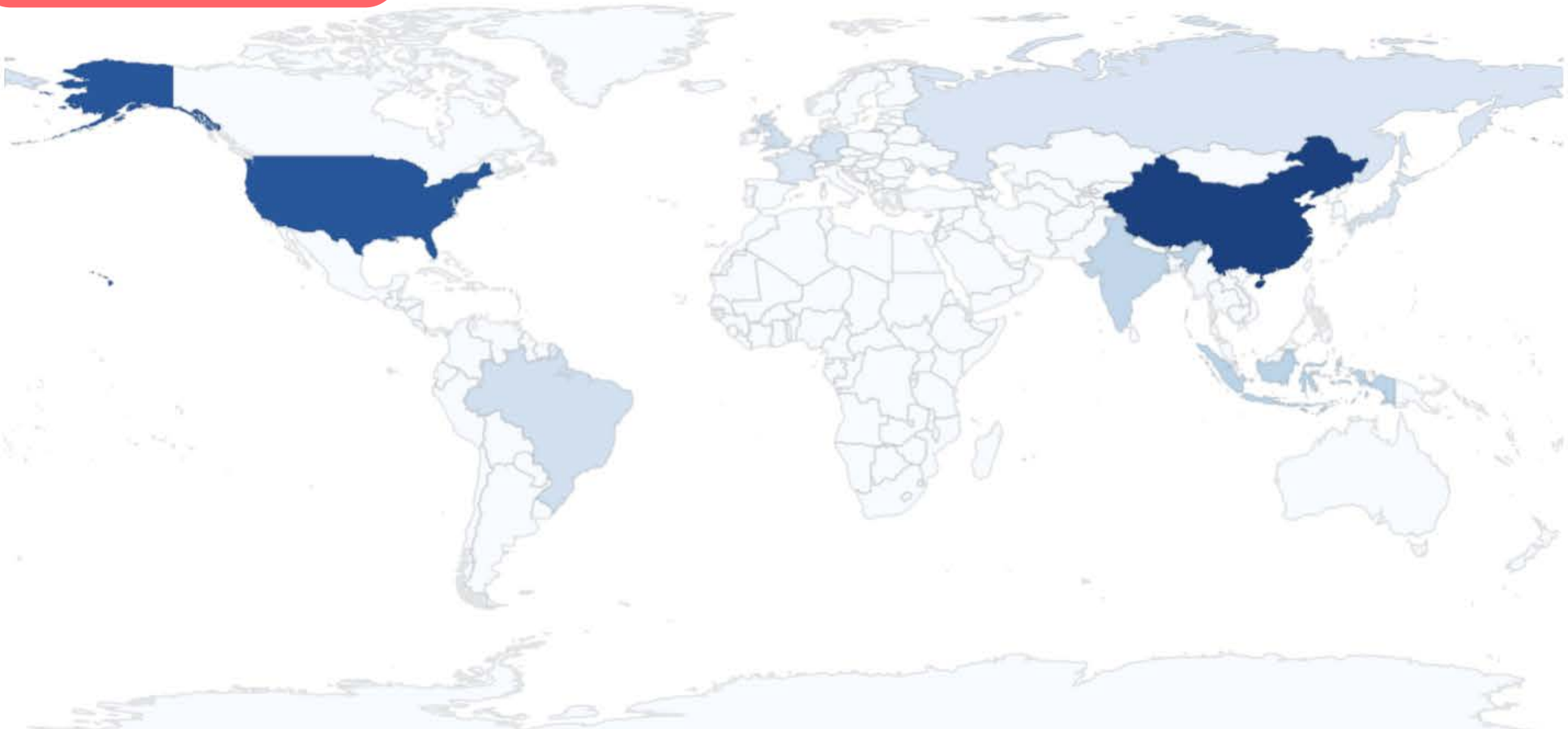
NAME	
Chinese Academy of Sciences	
Zhejiang University	
Shanghai Jiao Tong University	
Tsinghua University	88.9k
Sichuan University	83.8k

[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



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

2018 2025

4 Article Type

☒ Original ☒ Review ☒ Other

5 SCIE Indexed

☐ Yes

6 Affiliation

Harvard University, MIT, Stanford University

7 Journal

Science, Nature, Advanced Materials

8 Location

Country Region

Search country

9 Citation Count

0 10k+

10 Journal Impact Factor

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.

Research Intelligence

Simple filter

Clear

Research Fields

and or

molecular

Biology

Molecular biology

Quantum dot, "Perovskite solar cell"

Published Year

2025

Article Type

☒ Original ☒ Review ☒ Other

SCIE Indexed

☐ Yes

Affiliation

Harvard University, MIT, Stanford Univer

To specify your analysis further,

Use advanced filter

Analytic Targets (262k)

Summary Trends Scinapse Review Top Papers Top Authors Top Affiliations Top Countries

Analytical Targets (262k papers)

These papers are the analytic targets based on your search. Each tab's information (Summary, Trends, Top papers, Top Authors, Top Affiliations, Top Countries) is based on these analytic target papers.

Try advanced filter to set precise domains for analysis.

Title	Journal	Year	Authors	Citations	Research Fields	doi
Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein	Cell	2020	Alexandra C. Walls, Young-Jun Park, ..., Andrew T. McGuire, David Veasley	6,884	Polyclonal antibodies, Receptor, Enzyme	https://doi.org/10.1016/j.cell.2020.08.029
U1 snRNP regulates cancer cell migration and invasion in vitro	Nature Communications	2020	Jung-Min Oh, Christopher C. Venters, ..., Jingqi Duan, Gideon Dreyfuss	6,011	RNA, Biology, Molecular biology	https://doi.org/10.1038/s41467-019-13993-7
Characterization of spike glycoprotein of SARS-CoV-2 on virus entry and its immune cross-reactivity with SARS-CoV	Nature Communications	2020	Xiuyuan Ou, Yan Liu, ..., Jianwei Wang, Zhaohui Qian	2,543	Medicine, Molecular biology, Virology	https://doi.org/10.1038/s41467-020-15562-9
Macrophage Polarization: Different Gene Signatures in M1(LPS+) vs. Classically and M2(LPS-) vs. Alternatively Activated Macrophages	Frontiers in Immunology	2019	Marco Orecchioni, Yanal Ghosheh, Akula Bala Pramod, Klaus Ley	1,483	M2 Macrophage, Biotechnology, Chemistry	https://doi.org/10.3389/fimmu.2019.01601
Omicron escapes the majority of existing SARS-CoV-2 neutralizing antibodies	Nature	2021	Yunlong Cao, Fanchong Jian, ..., Ran An, Xiangxi Wang	1,467	Immune escape, Molecular biology, Virology	https://doi.org/10.1038/s41586-021-04385-3

Citations

Sort by

Citations

Newest

Oldest

Rows per page

10

1 page

1 Analytical Targets

These papers are the analytic targets based on your search.

2 Search

3 Sorted by

4 Pages

Research Intelligence | Research Trends

Analytic Targets (10.4k)SummaryTrendsScinapse ReviewTop PapersTop AuthorsTop AffiliationsTop Countries

Trends

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

2018 - 2025

Publications

Year	Publications
2018	42,000
2019	41,000
2020	40,000
2021	38,000
2022	36,000
2023	33,000
2024	22,000
2025	8,000

Publications

2018 - 2025

Average first year citation per year

Year	Average first year citation per year
2018	1.2
2019	1.4
2020	2.0
2021	1.8
2022	1.6
2023	1.4
2024	1.4
2025	0.5

Avg. first year citation per year

2000 - 2025

Citations per year

Year	Citations
2000	0
2005	0
2010	0
2015	0
2018	10,000
2020	100,000
2022	400,000
2024	500,000
2025	500,000

Citation per year

Top 10 Affiliations

Affiliation	Publications
Nanjing Medical University	1,600
Sun Yat-sen University	1,500
Chinese Academy of Sciences	1,400
Central South University	1,300
Shanghai Jiao Tong University	1,200
Zhejiang University	1,100
Huazhong University of Science and Technology	1,000
Fudan University	900
Harvard University	800
Hunan University	700

Top 10 Affiliations

Top 10 Journals

Journal	Publications
PubMed	6,500
Cancer Research	4,000
International Journal of Molecular Sciences	4,000
Scientific Reports	3,500
Blood	3,000
PLoS ONE	2,500
The FASEB Journal	2,000
Nucleic Acids Research	1,800
Biochemical and Biophysical Research Communications	1,500
The Journal of Immunology	1,200

Top 10 Journals

Top 10 Countries

Country	Publications
China	82,000
United States of America	35,000
Japan	15,000
Germany	10,000
Brazil	8,000
Türkiye	7,000
Korea, Republic of	6,000
France	5,000
India	4,000
Iran, Islamic Republic of	3,000

Top 10 Countries

🔍 Research Intelligence | Scinapse Review

Research Intelligence

Simple filter

Research Fields

and or

Biogenesis, Bilayer graphene

Biology × and

Molecular biology × and

Mutation ×

Keywords

and or

Quantum dot, "Perovskite solar cell"

Published Year

2018 2025

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)SummaryScinapse ReviewTop AuthorsTop AffiliationsTop 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

molecular

Biology

Molecular biology

Keywords

and or

Quantum dot, "Perovskite solar cell"

Published Year

2018

2025

Article Type

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

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

300 papers, 300 authors among 10.4k search results

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

Top Authors

Full data

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

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	View more
				13		medicine

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

Filtered Set

Filtered Set indicates h-index, publications, and citations that are filtered based on the selected research field

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

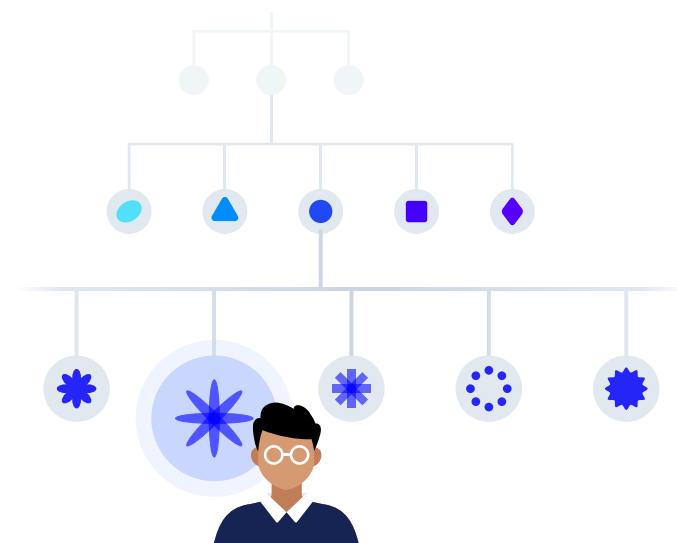




Expert Finder

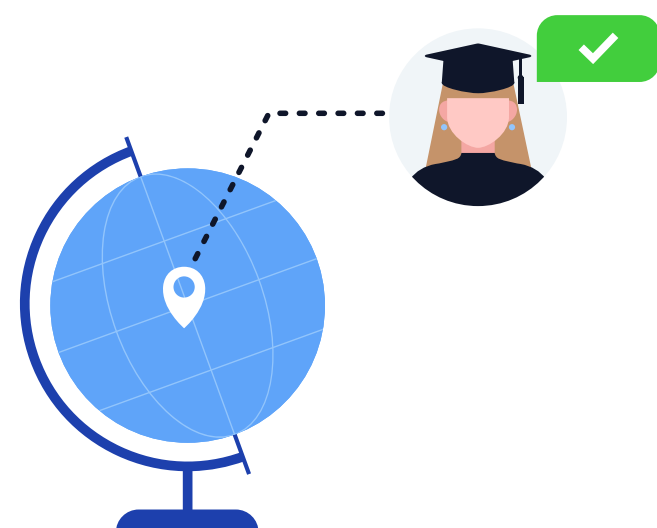
Researchers are measured by an individual's expertise in a particular field by **calculating a domain h-index** based on the number and impact of their relevant publications as the corresponding author. A higher score reflects a significant contribution to that field.

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.

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 displays the Scinapse Expert Finder interface. On the left, a sidebar contains navigation icons, with the 'Experts' icon highlighted. The main search panel on the left includes filters for 'Research Fields' (set to 'biochemistry'), 'Keywords' (set to 'Quantum dot, "Perovskite solar cell"'), 'Is Active Researcher' (checked 'Yes'), 'Affiliation' (set to 'Harvard University, University of Cambridge'), 'Location' (set to 'Country'), and an 'h-index' slider. The main content area shows a search result for 'Roland Lill' with a domain h-index of 43. A table of metrics is visible: 240 Publications, 22.3k Citations, 93 h-index, 9.6 Personal IF, and 43 Domain h-index. Annotations with red dashed lines point to various elements: 'Expert name' points to 'Roland Lill'; 'Exportable info' points to the 'Export to CSV' button; 'Domain h-index' points to the '43' value in the metrics table; and 'Info' points to the 'h-index' slider.

Expert Finder

Clear

Research Fields *i* and or x

biochemistry x

Biochemistry x

Keywords and or x

Quantum dot, "Perovskite solar cell"

biogenesis x

Is Active Researcher *i* x

☒ Yes

Affiliation *i*

Harvard University, University of Cambridge

Location *i*

Country Region

Search country

h-index *i*

0 350+

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 v

Expert name

David A. Hood
York University

NRF1 Mitochondrial biogenesis Organelle

mitochondrial fusion

Recently focused

349 20.3k 59 3.21 41

Publications Citations h-index Personal IF Domain h-index

Info

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

Yukio Fujiki
Kyushu University

Peroxisomal targeting signal Plasmalogen Phospholipid

Membrane protein

Recently focused

283 15.6k 62 3.87 33

Publications Citations h-index Personal IF Domain h-index

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

[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!

The image shows a research profile page with two main sections: 'Network' and 'Publications'. The 'Network' tab is currently selected, showing a list of 'Close Researchers'. The 'Publications' tab is also visible, showing a search bar and a list of publications.

Network Tab:

- 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

Publications Tab:

- Publications 3,636**
- Search papers** (input field)
- Citations** (dropdown menu)
- Publication Type** (dropdown menu: Any publication type)
- Authorship** (dropdown menu: Authorship)
- Published year** (range: 2000 ~ 2025)
- Other** (tab)
 - 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** (tab)
 - 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

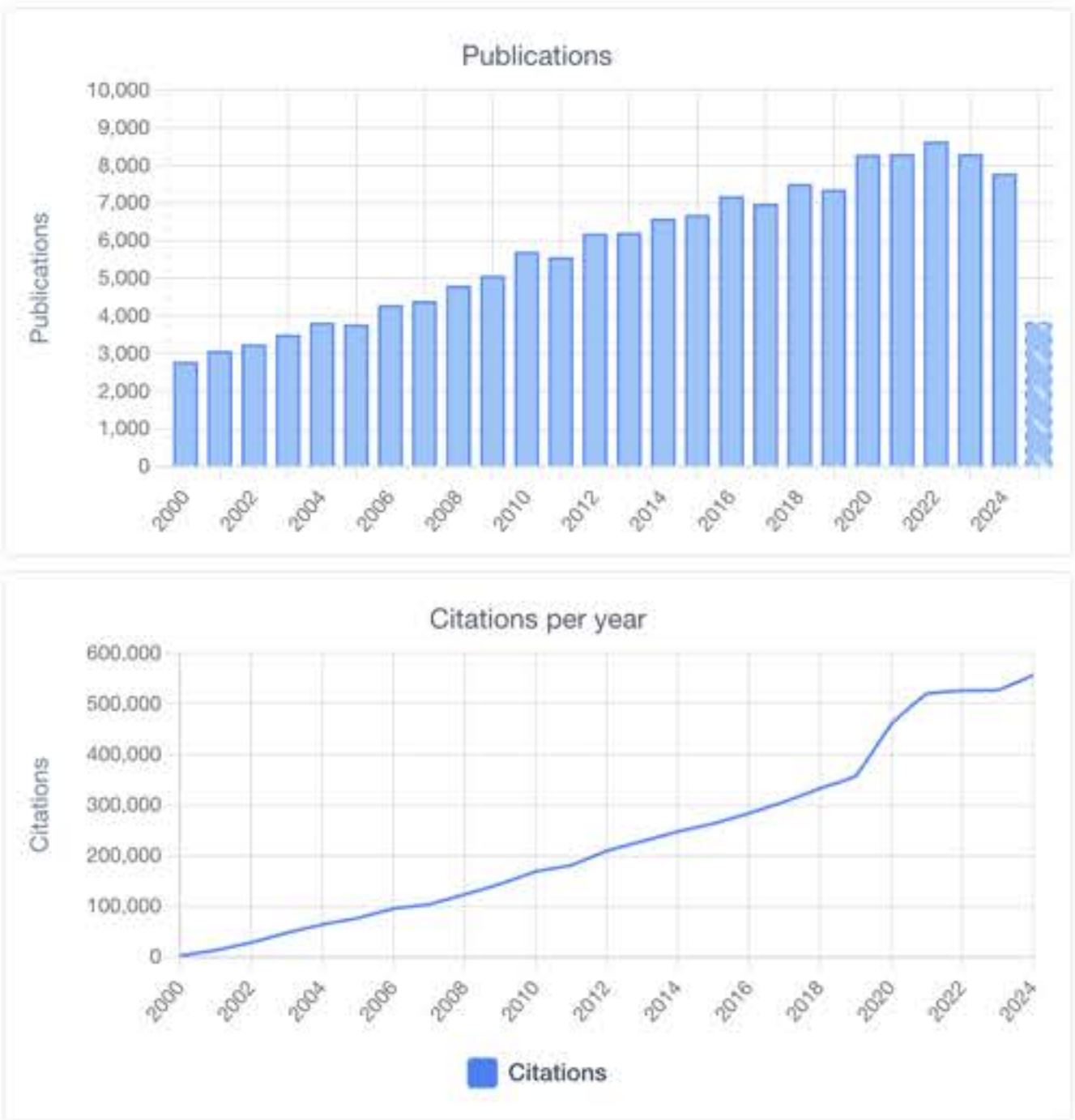
Field Hierarchy

Hierarchy of fields grouped and ordered by coverage and concentration

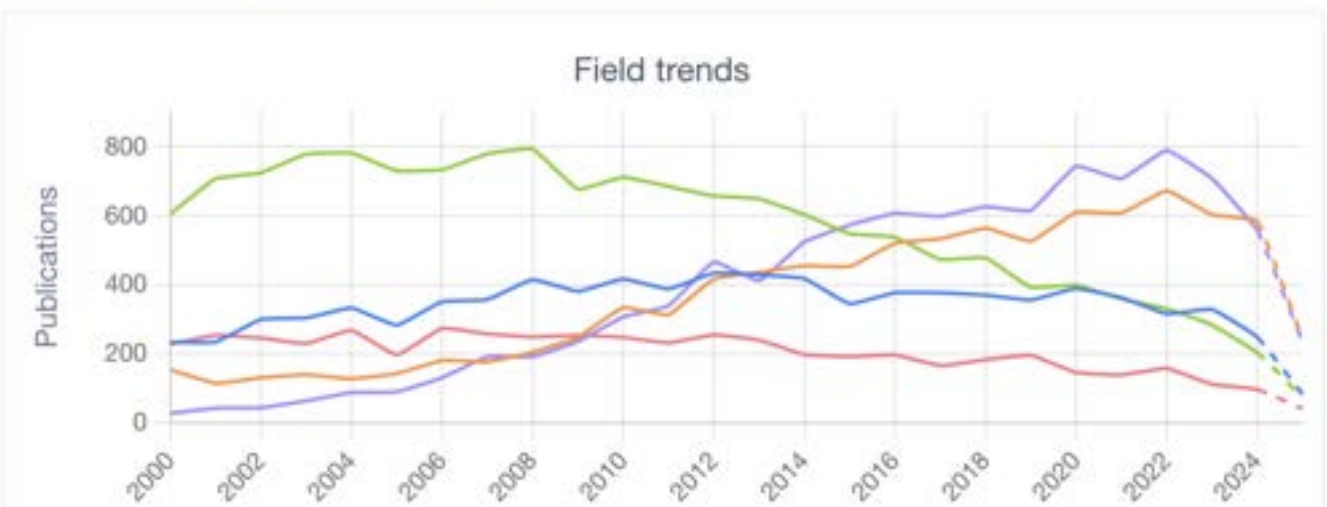
Parent			
Biology 36M papers	Chemistry 29.2M papers	Biochemistry 13.7M papers	Genetics 10M papers
Cell biology 3.6M papers			
Current			
Mitochondrion 209k papers			
Child			
Cytochrome c 31.6k papers	Cytochrome c oxidase 16.5k papers	Inner mitochondrial membrane 13.5k papers	Bioenergetics 11.7k papers
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



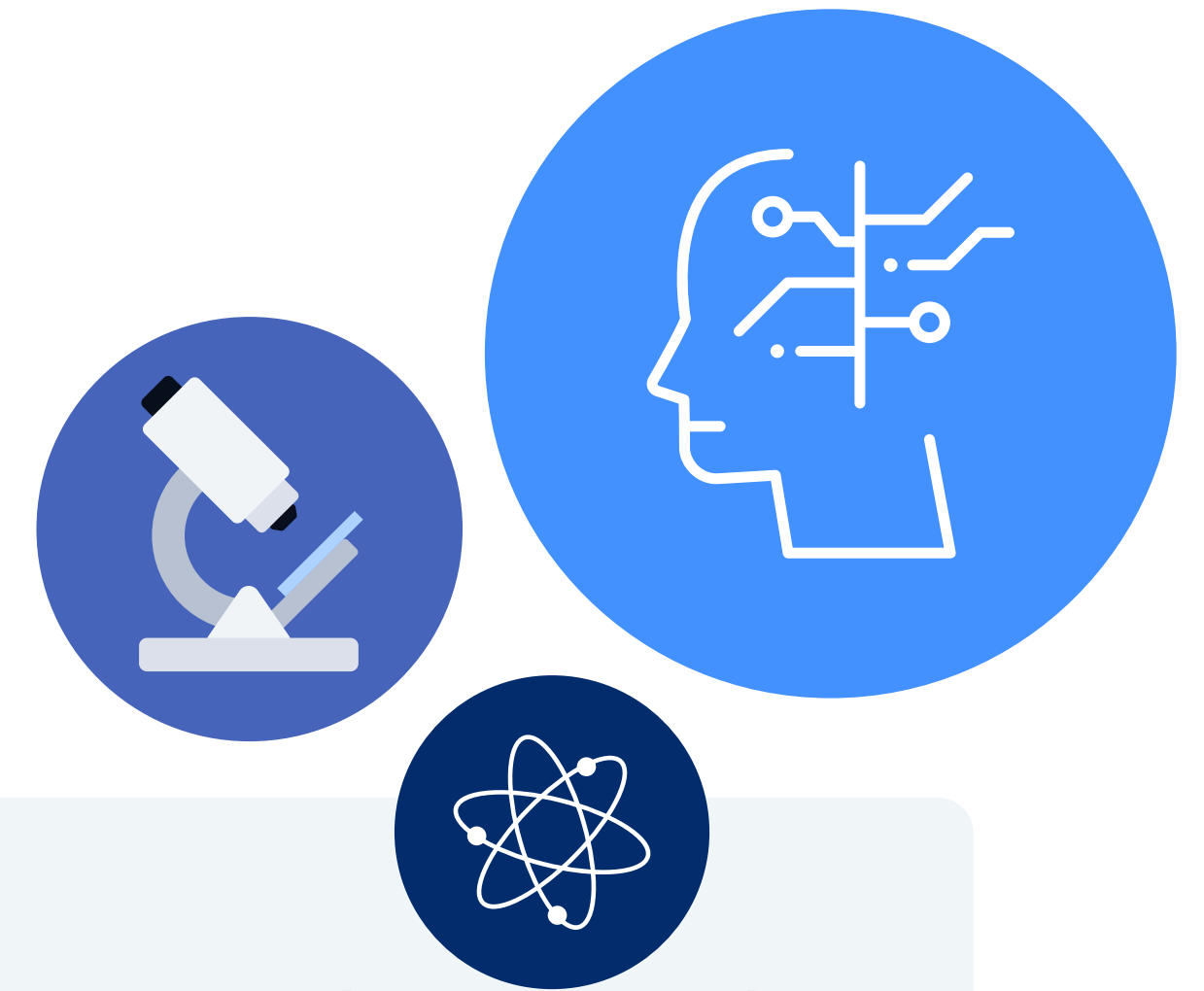
02

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

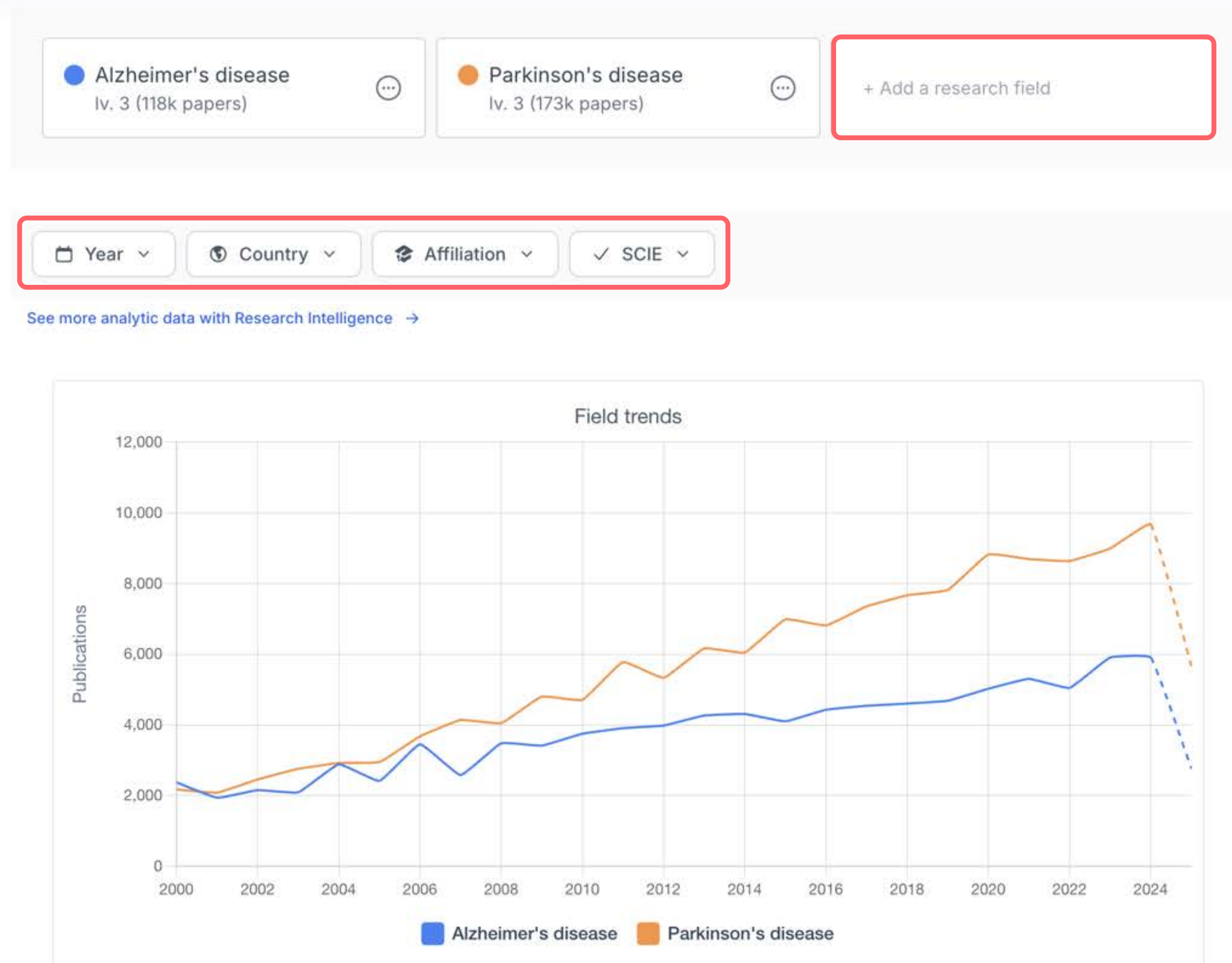
Find out which degenerative diseases are seeing the most active treatment research.

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.



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 →



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.

Contact us

👤 **Sanha Kim** | Chief Revenue Officer

✉ sanha@pluto.im