

Basic Training 2025 for PhD students

# WEB OF SCIENCE

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Nagoya University Graduate School of Medicine  
**Medical Library**

# Contents

1. Overview
2. Basic Search
3. Advanced Search
4. Use the functions

# Contents

- 1. Overview**
2. Basic Search
3. Advanced Search
4. Use the functions

# What is the WoS Core Collection?

- Contains information on articles from top journals
- Covers humanities, social sciences, and natural sciences
- Contains conference proceedings and technical books
- Citation information = bibliographic information of references and mutual links
- Entrance to JCR, EndNote basic
- No limit on the number of accesses
- Can be accessed from off-campus (THERS account/required)

# Types of citation information

- Cited references
  - List of references of each article
- Citations
  - List of papers that cited each article
  - How the research were evolved.
- Related records
  - Closely related research

# Comparison with PubMed

	PubMed	Web of Science
Field	Biomedical, Life sciences	All fields
Period	1946~	1900~
Number of Journals	About 5,200	About 22,000
Contents	Information on articles published in academic journals	Information on articles published in the selected top journals
Features	<b>Thesaurus</b> search and medical field-specific refinement	Search using a wealth of <b>citation information</b>

# How do you use it?

<b>PubMed</b>	<b>Web of Science</b>
<ul style="list-style-type: none"><li>✓ Search without omission</li><li>✓ Systematic search</li></ul>	<ul style="list-style-type: none"><li>✓ Find important references</li><li>✓ Tracking the "After" of Research</li><li>✓ Conducting interdisciplinary research</li></ul>

# Contents

1. Overview
- 2. Basic Search**
3. Advanced Search
4. Use the functions

# Setting search conditions

The screenshot displays the Web of Science search interface. At the top, the Clarivate logo is on the left, and 'English' and 'Products' (highlighted with an orange box) are on the right. Below the logo, 'Web of Science™' and 'Search' are visible. A 'Smart Search' toggle is turned off, and 'Sign In' and 'Register' buttons are present. A left-hand menu contains icons for home, history, alerts, and notifications. The main search area is divided into 'DOCUMENTS' and 'RESEARCHERS' tabs. The 'DOCUMENTS' tab is active, showing a search box with 'Search in: Web of Science Core Collection' and 'Editions: All'. Below this, a row of tabs includes 'DOCUMENTS' (highlighted with an orange box), 'CITED REFERENCES', and 'STRUCTURE'. A search field contains 'Example: liver disease india singh' and a dropdown menu is set to 'All Fields'. At the bottom of the search area, there are buttons for '+ Add row', '+ Add date range', 'Advanced search', 'x Clear', and a purple 'Search' button. A promotional banner at the bottom encourages users to 'Jump back into your research - try out our personalized homepage dashboard.' with a 'Sign in to access' button and a link to 'Register for a new account'.

# Setting search conditions

The screenshot displays the Web of Science search interface. At the top, the Clarivate logo is on the left, and 'English' and 'Products' are on the right. Below the logo, 'Web of Science™' and 'Search' are visible. A 'Smart Search' toggle is on, and 'Sign In' and 'Register' buttons are on the right. The main content area has two tabs: 'DOCUMENTS' (selected) and 'RESEARCHERS'. Under 'DOCUMENTS', there are sub-tabs for 'DOCUMENTS', 'CITED REFERENCES', and 'STRUCTURE'. A search input field contains 'Example: liver disease india singh'. Below this, there are two rows of search conditions. The first row has a dropdown set to 'All Fields'. The second row has a dropdown set to 'Publication Date' and a text field containing 'All years (1900 - 2025)'. An orange callout box with the text 'Setting the search range' points to the 'Publication Date' dropdown and its corresponding value. There are also '+ Add row' and '+ Add date range' buttons. At the bottom right, there are 'Clear' and 'Search' buttons.

Clarivate English Products

Web of Science™ Search Smart Search Sign In Register

DOCUMENTS RESEARCHERS

Search in: Web of Science Core Collection Editions: All

DOCUMENTS CITED REFERENCES STRUCTURE

All Fields Example: liver disease india singh

+ Add row + Add date range Advanced search

All Fields Example

Publication Date All years (1900 - 2025)

+ Add row Advanced search

x Clear Search

Setting the search range

# Setting search conditions

The screenshot displays a search interface with three tabs: DOCUMENTS, CITED REFERENCES, and STRUCTURE. The DOCUMENTS tab is active. A search input field contains the text "Example: liver disease india singh". Below the input field, a dropdown menu is open, showing a list of search fields: All Fields, Topic, Title, Author, Publication Titles, Year Published, Affiliation, Funding Agency, and Publisher. The "All Fields" option is selected and highlighted. To the right of the dropdown, a description for "All Fields" is provided: "Searches all of the searchable fields using one query. This allows you to easily find your search terms in any field." Below this description, an example query is shown: "Example: 2014 drexel decay radioactiv\*". To the right of the search input field, there are two buttons: "x Clear" and "Q Search". Below the search input field, there is a "Sign in to access" button. The Nagoya University logo is visible at the bottom center of the interface.

DOCUMENTS CITED REFERENCES STRUCTURE

All Fields ^ Example: liver disease india singh

Search

All Fields

Topic

Title

Author

Publication Titles

Year Published

Affiliation

Funding Agency

Publisher

All Fields

Searches all of the searchable fields using one query. This allows you to easily find your search terms in any field.

Example:  
2014 drexel decay radioactiv\*

x Clear Search

Sign in to access

nagoya University

# Setting search conditions

## Examples

Examples	
Topic	Title, abstract, author keywords, and Keywords Plus.
Author	Authors and Group Author.
Publication Titles	Journal titles, book titles, proceedings titles, and more.
Affiliation	Organization names and/or their name variants.
DOI/PubMed ID	Specific article.

# Setting search conditions

The image shows a two-step process for setting search conditions in a software interface. The top part shows a search bar with the text "Example: liver disease india singh" and a callout box "Add search criteria" pointing to it. Below the search bar are buttons for "+ Add row", "+ Add date range", and "Advanced search". The bottom part shows the same interface with a search row added. A dropdown menu is open, showing options "And", "Or", and "Not". A callout box "Select a search operator" points to this menu. At the bottom right, there are "x Clear" and "Search" buttons.

DOCUMENTS CITED REFERENCES STRUCTURE

Example: liver disease india singh

+ Add row + Add date range Advanced search

DOCUMENTS CITED REFERENCES STRUCTURE

All Fields Example: liver disease india singh

All Fields Example: liver disease india singh

And Or Not

Select a search operator

x Clear Search

# Points to search

- There is no thesaurus.
  - Automatic processing of conjugations and spelling variations \*Topic, title only
  - Use synonyms
- Search operators
  - Add synonyms with OR
  - Exclude unnecessary words with NOT

For more information,  
click the "Help" button.

# Points to search

- To search for an exact phrase, enclose the phrase **in quotation marks** \*Topic, title only
  - **“prenatal exposure”** → prenatal alcohol exposure is not a hit
- Use wildcards
  - Automatic processing of conjugations is disabled for phrase search.
  - Add an **asterisk (\*)** before, during, or after the search term.

# Wildcard Characters (Truncation)

Symbol	Retrieves	Examples	
*	Zero or more characters	prenatal*	• prenatal <b>ly</b>
		*natal	• <b>neo</b> natal • <b>peri</b> natal
		p*natal	• p <b>re</b> natal • p <b>eri</b> natal
?	One character only	organi?ation	• organization • organis <b>a</b> tion
\$	Zero or one character	“model\$ing”	• modeling • modell <b>i</b> ng

# Author Search / Publication Titles Search

- Author
  - **Enter the last name first followed by a space and the author's initials\*.**
  - ex) chitwood w\*
  - If necessary, add the name of the author's organization
- Publication Titles
  - Enter the full title or an abbreviation and add \* at the end.
  - ex) cancer research or can\* res\*
  - You can select from the index.

# Search example

Try to find research articles on iPS cells.

- Set the search field to **"topic"**
- iPS cell = induced pluripotent stem cell
- Specify the **exact phrases**
- To search for both "ips cell" and "ips cells", add an **asterisk (\*)** at the end
- Connecting phrases with the search operator **(OR)**

**"ips cell\*" OR "induced pluripotent stem cell\*"**

# Results

DOCUMENTS RESEARCHERS

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

DOCUMENTS CITED REFERENCES STRUCTURE

All Fields ▾

Example: liver disease india singh  
"ips cell\*"OR"induced pluripotent stem cell\*" ✕

+ Add row + Add date range Advanced search

✕ Clear 🔍 Search

# Results

Search > Results for "ips cell\*"OR"induced pluripotent stem cell\*" (All Fields)

**32,228** results from Web of Science Core Collection for:

"ips cell\*"OR"induced pluripotent stem cell\*" (All Fields)



[Copy query link](#)

+ Add Keywords

Quick add keywords:



+ induced pluripotent stem cells



+ induced pluripotent stem cell



+ human induced pluripotent stem cells



32,228 Documents

You may also like...

Analyze Results

Citation Report

Create Alert

Refine results

Export Refine

Search within results...

Quick Filters

- Highly Cited Papers 214
- Hot Papers 4
- Review Article 4,790
- Early Access 158
- Open Access 21,909
- Associated Data 1,816
- Enriched Cited References 5,448
- Open publisher-invited reviews 65

0/32,228

Add To Marked List

Export

Sort by  
Relevance

< 1 of 645 >

1 **IPS cells: A source of cardiac regeneration**



Yoshida, Y and Yamanaka, S

Feb 2011 | JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY 50 (2), pp.327-332

For the treatment of heart failure, a new strategy to improve cardiac function and inhibit cardiac remodeling needs to be established. Embryonic stem cells (ESCs) and induced pluripotent stem cells (iPSCs) are pluripotent cells that can differentiate into cell types f ... [Show more](#)



Full Text at Publisher Free Submitted Article From Repository

125

Citations

89

References

[Related records](#)

# Results

Get the full text

Click to add to your Marked List

**Induced Pluripotent S  
Future Prospect**

By Shen, HF (Shen Hong-Fen) <sup>[1], [4]</sup>; Yao, ZF (Yao Zhi-Fang) <sup>[1]</sup>; Xiao, GF (Xiao Gao-Fang) <sup>[1]</sup>; Jia, JS (Jia Jun-Shuang) <sup>[1]</sup>; Xiao, D (Xiao Dong) <sup>[1], [2], [3]</sup>; Yao, KT (Yao Kai-Tai) <sup>[1], [4]</sup>

Source PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS ▾  
Volume: 36 Issue: 8 Page: 950-960  
DOI: 10.3724/SP.J.1206.2008.00794

Published AUG 2009

Indexed 2009-08-01

Document Type Review

13 Times Cited in All  
+ See more tim

83 Cited References  
→ View Related

- Save in reference management tool
- Print or email
- Save text

# Advanced Search Query Builder

DOCUMENTS RESEARCHERS

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

DOCUMENTS CITED REFERENCES STRUCTURE

Topic ▾ Example: oil spill\* mediterranean

+ Add row + Add date range **Advanced search** × Clear Search

# Advanced Search Query Builder

More options ▾

Query Preview

Search

+ Add date range

✕ Clear

Search ▾

Search Help

Booleans : AND, OR, NOT Examples

Field Tags : Sort by Default ▾

- TS=Topic
- TI=Title
- AB=Abstract
- AU=[Author]
- AI=Author Identifiers
- AK=Author Keywords
- GP=[Group Author]
- ED=Editor
- KP=Keyword Plus\*
- SO=[Publication Titles]
- DO=DOI
- PY=Year Published
- CF=Conference
- AD=Address
- OG=[Affiliation]
- OO=Organization
- SG=Suborganization
- SA=Street Address
- CI=City
- PS=Province/State
- CU=Country/Region
- ZP=Zip/Postal Code
- FO=Funding Agency
- FG=Grant Number
- FD=Funding Details
- FT=Funding Text
- SU=Research Area
- WC=Web of Science Categories
- IS= ISSN/ISBN
- UT=Accession Number
- PMID=PubMed ID
- DOP=Publication Date
- LD=Index Date
- PUBL=Publisher
- ALL=All Fields
- FPY=Final publication year
- EAY=Early Access Year
- SDG=Sustainable Development Goals
- TMAC=Macro Level Citation Topic
- TMSO=Meso Level Citation Topic
- TMIC=Micro Level Citation Topic

Session Q

Build a new que

2/2

Combine Sets ▾

Export ▾

Clear History

<input checked="" type="checkbox"/>	2	Transplantation (Topic)	632,386	Add to query ▾	<a href="#">↶</a>	<a href="#">✎</a>	<a href="#">🔔</a>
<input checked="" type="checkbox"/>	1	"ips cell*"OR"induced pluripotent stem cell*" (All Fields)	32,228	Add to query ▾	<a href="#">↶</a>	<a href="#">✎</a>	<a href="#">🔔</a>

# Advanced Search Query Builder

DOCUMENTS

RESEARCHERS

## Session Queries

Build a new query based on your searches in this session.

0/3

Combine Sets ▾

Export ▾

 Clear History

3

#2 AND #1

4,131

Add to query ▾



2

Transplantation (Topic)

632,386

Add to query ▾



1

"ips cell\*"OR"induced pluripotent stem cell\*" (All Fields)

32,228

Add to query ▾



# Quick Filters

**Quick Filters**

- Highly Cited Papers 27
- Hot Papers 1
- Review Article 1,187
- Early Access 29
- Open Access 2,816
- Associated Data 157
- Enriched Cited References 523
- Open publisher-invited reviews 3

**Publication Years** ⓘ ^

Show Final Publication Year

- 2025 90
- 2024 291
- 2023 281
- 2022 267
- 2021 318

[See all >](#)

**Document Types**

<input type="checkbox"/> Article	2,769	<input type="checkbox"/> Editorial Material	52	<input type="checkbox"/> Retracted Publication	6
<input type="checkbox"/> Review Article	1,187	<input type="checkbox"/> Proceeding Paper	52	<input type="checkbox"/> Correction	4
<input type="checkbox"/> Book Chapters	150	<input type="checkbox"/> Early Access	29	<input type="checkbox"/> News Item	1
<input type="checkbox"/> Meeting Abstract	93	<input type="checkbox"/> Letter	12	<input type="checkbox"/> Retraction	1
<input type="checkbox"/> Editorial Material	52				

[See all >](#)

Other than this, Authors, Affiliations, Publication Titles, etc.

Check the box and click "Refine" or "Exclude"

# Contents

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2. Basic Search
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# Find important articles

Advanced Search > Results for #1 > Results for #1

**32,228** results from Web of Science Core Collection for:

#1 [Copy query link](#)

+ Add Keywords Quick add keywords: < + induced pluripotent stem cells + induced pluripotent stem cell + human induced pluripotent stem cells + ipsc + ipsc >

32,228 Documents You may also like... [Analyze Results](#) [Citation Report](#) [Create Alert](#)

Refine results [Export Refine](#)

Search within results...

Quick Filters

- Highly Cited Papers 214
- Hot Papers 4
- Review Article 4,790
- Early Access 158
- Open Access 21,909
- Associated Data 1,816
- Enriched Cited References 5,448
- Open publisher-invited reviews 65

Publication Years [i](#) [^](#)

Show Final Publication Year

- 2025 803
- 2024 2,758
- 2023 2,664
- 2022 2,809
- 2021 3,019

0/32,228 [Add To Marked List](#) [Export](#) [Sort by Citations: high...](#) < 1 of 645 >

1 **Induction of pluripotent stem cells from mouse embryonic and by defined factors**

Takahashi, K and Yamanaka, S  
Aug 25 2006 | CELL | 126 (4) , pp.663-676

Differentiated cells can be reprogrammed to an embryonic-like state by transfer of nuclear co... embryonic stem (ES) cells. Little is known about factors that induce this reprogramming. Here pluripotent stem cells from mouse embryonic or adult fibroblasts by introducing four factors,...

[Full Text at Publisher](#) [Free Submitted Article From Repository](#) [View Associated](#)

2 **Induction of pluripotent stem cells from adult human fibroblast**

Takahashi, K; Tanabe, K; [-]; Yamanaka, S  
Nov 30 2007 | CELL | 131 (5) , pp.861-872

Successful reprogramming of differentiated human somatic cells into a pluripotent state wou... disease-specific stem cells. We previously reported generation of induced pluripotent stem (iP... transmission, from mouse somatic cells by transduction of four defined transcription factors.

[Free Full Text From Publisher](#) [View Associated Data](#) ...

Relevance

Recently added

Citation class

Date: newest first

Date: oldest first

Citations: highest first

Citations: lowest first

Usage (all time): most first

Usage (last 180 days): most first

Conference title: A to Z

Conference title: Z to A

First author name: A to Z

First author name: Z to A

Publication title: A to Z

Publication title: Z to A

Document title: A to Z

Document title: Z to A

19,272 Citations

50 References

Related records?

15,039 Citations

30 References

Related records

# Find important articles

[https://www.nagoya-u.ac.jp/info/winner/20241120\\_news.html](https://www.nagoya-u.ac.jp/info/winner/20241120_news.html)

## クラリベイト・アナリティクスの Highly Cited Researchers に本学から3名が選ばれました

公開日：2024年11月20日

### 受賞者情報

Highly Cited Researchers は、クラリベイト・アナリティクスが世界中で引用された回数の多い論文の著者（高被引用論文著者）を研究分野ごとに選出したものです。2024年は、約60か国20分野で約6,600名の研究者が、世界的に最も影響のある研究を行っている研究者としてリストアップされています。

本学からは、以下の3名が選ばれました。

Plant & Animal Science (植物・動物学) <a href="#">木下 俊則</a> (Toshinori Kinoshita)	トランスフォーマティブ生命分子研究所 教授
Immunology (免疫学) <a href="#">西川 博嘉</a> (Hiroyoshi Nishikawa)	医学系研究科 教授
Plant & Animal Science (植物・動物学) <a href="#">榑原 均</a> (Hitoshi Sakakibara)	生命農学研究科 教授

# Highly Cited Papers & Hot Papers

Search > Results for "ips cell\*"OR"induced pluripotent stem cell\*" (All Fields)

**32,228** results from Web of Science Core Collection for:

"ips cell\*"OR"induced pluripotent stem cell\*" (All Fields) [Copy query link](#)

+ Add Keywords Quick add keywords: < + induced pluripotent stem cells + induced pluripotent stem cell + human induced pluripotent stem cells + ipsc + ipscs >

32,228 Documents You may also like... [Analyze Results](#) [Citation Report](#) [Create Alert](#)

**Refine results** [Export Refine](#)

Search within results...

**Quick Filters**

- Highly Cited Papers 214
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- Review Article 4,790
- Early Access 158
- Open Access 21,909
- Associated Data 1,816
- Enriched Cited References 5,448
- Open publisher-invited reviews 65

**Publication Years** ⓘ ^

Show Final Publication Year

0/32,228 [Add To Marked List](#) [Export](#) Sort by Citations: high... < 1 of 645 >

1 **Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors** 19,272 Citations  
Takahashi, K and Yamanaka, S 50 References  
Aug 25 2006 | CELL 126 (4) , pp.663-676  
Differentiated cells can be reprogrammed to an embryonic-like state by transfer of nuclear contents into oocytes or by fusion with embryonic stem (ES) cells. Little is known about factors that induce this reprogramming. Here, we demonstrate induction of pluripotent stem cells from mouse embryonic or adult fibroblasts by introducing four factors, Oct3/ ... [Show more](#)  
[Full Text at Publisher](#) [Free Submitted Article From Repository](#) [View Associated Data](#) [Related records](#) ⓘ

2 **Induction of pluripotent stem cells from adult human fibroblasts by defined factors** 15,039 Citations  
Takahashi, K; Tanabe, K; (-); Yamanaka, S 30 References  
Nov 30 2007 | CELL 131 (5) , pp.861-872  
Successful reprogramming of differentiated human somatic cells into a pluripotent state would allow creation of patient- and

# Find important articles

**Induction of pluripotent stem cells from mouse embryonic fibroblast cultures by defined factors**

**Citations**  
Number of records that cited current one

**Cited References**  
Number of references that current record cites

**Related Records**  
List of papers that cite the same references

**Citation Network**

In Web of Science Core Collection

**19,272**  
Citations

Create citation alert

**23,865**  
Times Cited in All Databases

+ See more times cited

+ View citing preprints

**50**  
Cited References

→ View Related Records

**Associated Data**

**By**  
Takahashi, K (Takahashi, Kazutoshi) ; Yamanaka, S (Yamanaka, Shinya)  
Are you this author?

**Source**  
CELL  
Volume: 126 Issue: 4  
DOI: 10.1016/j.cell.2006.08.029

**Published**  
AUG 25 2006

**Indexed**  
2006-08-25

**Document Type**  
Article

**Abstract**  
Differentiated cell lines were generated by fusion with embryonic stem (ES) cells. Little is known about factors that induce this reprogramming. Here, we demonstrate induction of pluripotent stem cells from mouse embryonic or adult fibroblasts by introducing four factors, Oct3/4, Sox2, c-Myc, and Klf4, under ES cell culture conditions. These cells, which we designated iPS (induced pluripotent stem) cells, have the same morphological and molecular properties of ES cells and express ES cell marker genes. iPS cells were able to differentiate into all three germ layers and contributed to mouse embryonic development. These findings indicate that ES cell-like pluripotency can be achieved directly generated from fibroblast cultures by the addition of defined factors.

**Keywords Plus:** TRANSCRIPTION FACTOR KLF4; SELF-RENEWAL; SUPPRESSOR; BETA-CATENIN; DIFFERENTIATION; EXPERIMENTAL



# Monitor the latest research

## Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors

Associated Data

By  
Are you this author?

Source

Published

Indexed 2006-08-25

Document Type Article

**Abstract**  
Differentiated cells can be reprogrammed to an embryonic-like state by transfer of nuclear contents into oocytes or by fusion with embryonic stem (ES) cells. Little is known about factors that induce this reprogramming. Here, we demonstrate induction of pluripotent stem cells from mouse embryonic or adult fibroblasts by introducing four factors, Oct3/4, Sox2, c-Myc, and Klf4, under ES cell culture conditions. Unexpectedly, Nanog was dispensable. These cells, which we designated iPS (induced pluripotent stem) cells, exhibit the morphology and growth properties of ES cells and express ES cell marker genes. Subcutaneous transplantation of iPS cells into nude mice resulted in tumors containing a variety of tissues from all three germ layers. Following injection into blastocysts, iPS cells contributed to mouse embryonic development. These data demonstrate that pluripotent stem cells can be directly generated from fibroblast cultures by the addition of only a few defined factors.

**Keywords**  
Keywords Plus: TRANSCRIPTION FACTOR KLF4; SELF-RENEWAL; C-MYC; SOMATIC-CELLS; ES CELLS; TUMOR-SUPPRESSOR; BETA-CATENIN; DIFFERENTIATION; EXPRESSION; NANOG

Keep up to date with information that matters to you by setting up search and citation alerts.

### Citation Network

In Web of Science Core Collection

19,272  
Citations

Create citation alert

23,865  
Times Cited in All Databases

+ See more times cited

+ View citing preprints

50  
Cited References

→ View Related Records

How does this document's citation performance compare to peers?

← Open comparison metrics panel **New**

Data is from InCites Benchmarking & Analytics

# Monitor the latest research

Search result ↓

32,228 results from Web of Science Core Collection for:

“ips cell\*”OR“induced pluripotent stem cell\*” (All Fields) [Copy query link](#)

+ Add Keywords Quick add keywords: < + induced pluripotent stem cells + induced pluripotent stem cell + human induced pluripotent stem cells + ipsc + ipscs >

32,228 Documents You may also like... [Analyze Results](#) [Citation Report](#) [Create Alert](#)

“History” ↓

Automatic search and notification of results (account required)

fibroblast cultures by defined factors 5:03 PM

Search  Web of Science Core Collection 32,228 [Show editions](#) [Alert](#)

5:01 PM

Search  Web of Science Core Collection 7,983 [Show editions](#) [Alert](#)

5:01 PM

Search  Web of Science Core Collection 32,228 [Show editions](#) [Alert](#)

4:54 PM

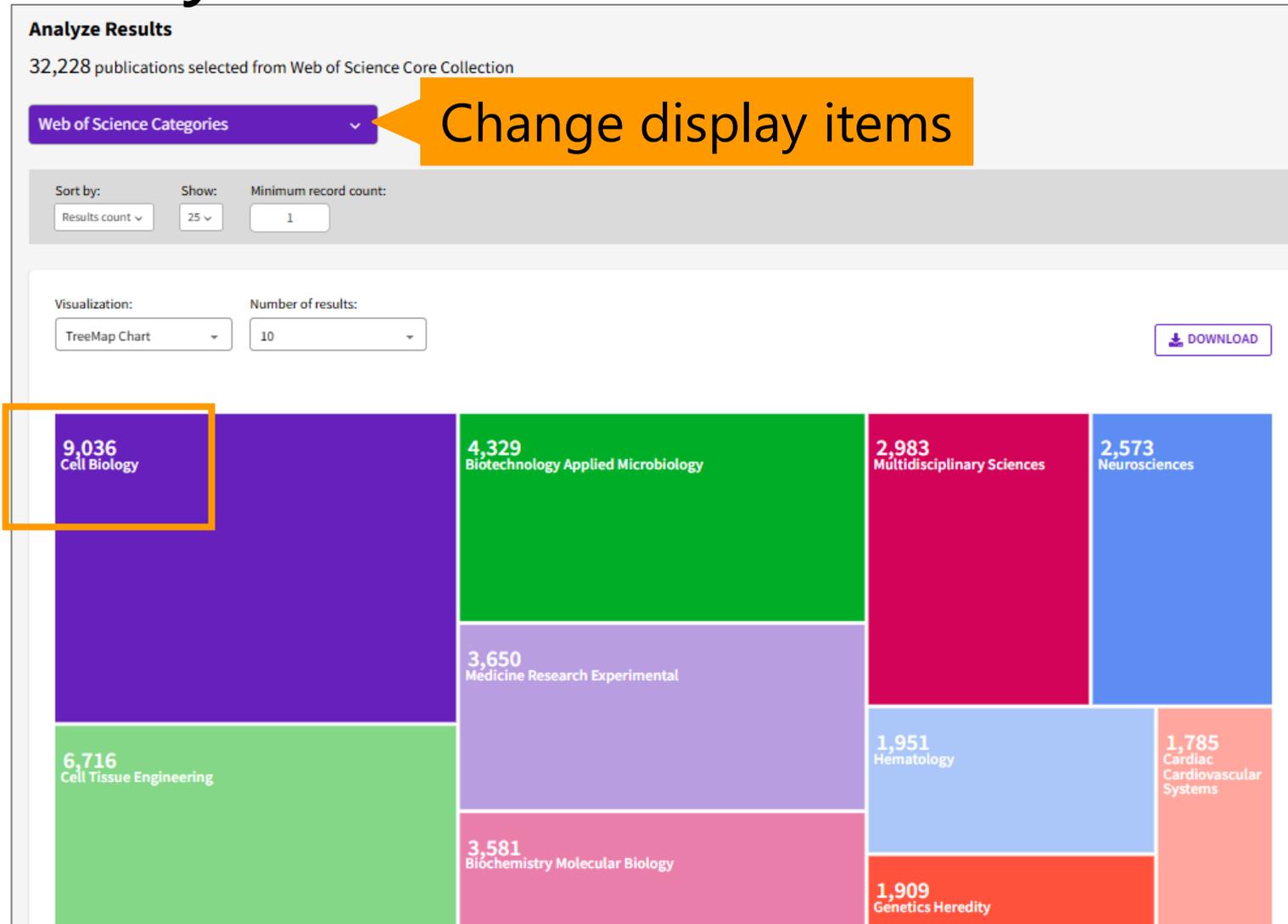
# Analyze research trends

The screenshot displays the Clarivate Web of Science interface. At the top, the Clarivate logo is on the left, and 'English' and 'Products' are on the right. Below the logo, 'Web of Science™' and 'Search' are visible. The search bar contains the query: "ips cell\*"OR\*induced pluripotent stem cell\*" (All Fields). Below the search bar, the results are summarized as "32,228 results from Web of Science Core Collection for:". A search bar below this shows the query and a "Copy query link" button. Below the search bar, there are buttons for "Add Keywords" and "Quick add keywords:" followed by several keyword tags: "+ induced pluripotent stem cells", "+ induced pluripotent stem cell", "+ human induced pluripotent stem cells", "+ ipsc", and "+ ipscs". Below the keyword tags, there are buttons for "Analyze Results" (highlighted with an orange box), "Citation Report", and "Create Alert". The main content area shows "32,228 Documents" and "You may also like...". On the left, there is a "Refine results" section with an "Export Refine" button and a search box. Below this is a "Quick Filters" section with various filters and their counts. The main results list shows two articles:

Rank	Title	Citations
1	Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors	19,272
2	Induction of pluripotent stem cells from adult human fibroblasts by defined factors	15,039

The first article is by Takahashi, K and Yamanaka, S, published in CELL in 2006. The second article is also by Takahashi, K and Yamanaka, S, published in CELL in 2007.

# Analyze research trends



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# What is Journal Impact Factor (JIF)?

- **The Journal Impact Factor (JIF)** is a ratio which divides a journal's received citations by a count of its published articles.
- JIF is calculated using the following metrics (example for 2020):

$$= \frac{\text{Citations in 2020 to items published in 2018 + 2019}}{\text{Number of citable items in 2018 + 2019}}$$

- ✘ Changes in journal name or ISSN are considered as a new journal.
- ✘ Items like editorials, letters, and news items are excluded from the denominator.

# Using the WoS

32,228 results from Web of Science Core C

“ips cell\*”OR“induced pluripotent stem cell\*” (All Fields)

+ Add Keywords Quick add keywords: < + induced pluripotent stem cells + induced pluripotent stem cell +

32,228 Documents You may also like...

Refine results Export Refine

Search within results...

Quick Filters

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- Hot Papers 4
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Publication Years ⓘ

Show Final Publication Year

- 2025 803
- 2024 2,758
- 2023 2,664

0/32,228 Add To Marked List Export ▾

1 **Induction of pluripotent stem cells from mouse embryonic by defined factors**

Takahashi, K and Yamanaka, S  
Aug 25 2006 | **CELL** 126 (4), pp.663-676

Differentiat...  
embryonic su...  
pluripotent st...  
induce this re...  
lasts by introdu...  
four f...

[View Journal Impact](#)

[Search within Web of Science](#)

[Full Text at Publisher](#) [Free Submitted Article From Repository](#) [View Assoc...](#)

2 **Induction of pluripotent stem cells from adult human fibro**

Takahashi, K; Tanabe, K; (...) Yamanaka, S  
Nov 30 2007 | **CELL** 131 (5), pp.861-872

Successful reprogramming of differentiated human somatic cells into a pluripotent stat...  
disease-specific stem cells. We previously reported generation of induced pluripotent s...  
transmission, from mouse somatic cells by transduction of four defined transcription fa...

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Journal information

CELL

Publisher name: CELL PRESS

Journal Impact Factor™

45.6 49.1

2023 Five Year

JCR Category	Category Rank	Category Quartile
BIOCHEMISTRY & MOLECULAR BIOLOGY <i>In SCIE edition</i>	2/313	Q1
CELL BIOLOGY <i>In SCIE edition</i>	4/205	Q1

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™ ⓘ

10.02 9.52

2023 2022

JCI Category	Category Rank	Category Quartile
BIOCHEMISTRY & MOLECULAR BIOLOGY <i>In SCIE edition</i>	2/313	Q1
CELL BIOLOGY <i>In SCIE edition</i>	2/205	Q1

The Journal Citation Indicator is a measure of the average Category Normalized Citation Impact (CNCI) of citable items (articles and reviews) published by a journal over a recent three year period. It is used to help you evaluate journals based on other metrics besides the Journal Impact Factor (JIF). [Learn more](#)

# Using the WoS

Clarivate Products

**Journal Citation Reports™** Journals Categories Publishers Countries/Regions Compare My favorites Sign In Register

Home > Journal profile Favorite Export

JCR Year 2023

## CELL

ISSN 0092-8674

EISSN 1097-4172

JCR ABBREVIATION CELL

ISO ABBREVIATION Cell

## Journal's performance

### Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and provide a quantitative measure of journal performance. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles. [Learn more](#)

2023 JOURNAL IMPACT FACTOR	JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS
<b>45.6</b>	45.0
<a href="#">View calculation</a>	<a href="#">View calculation</a>

#### Journal Impact Factor Trend 2023

Journal Impact Factor	Percentile in Category
70,000	100%
52,500	75%
35,000	50%

[Export](#)

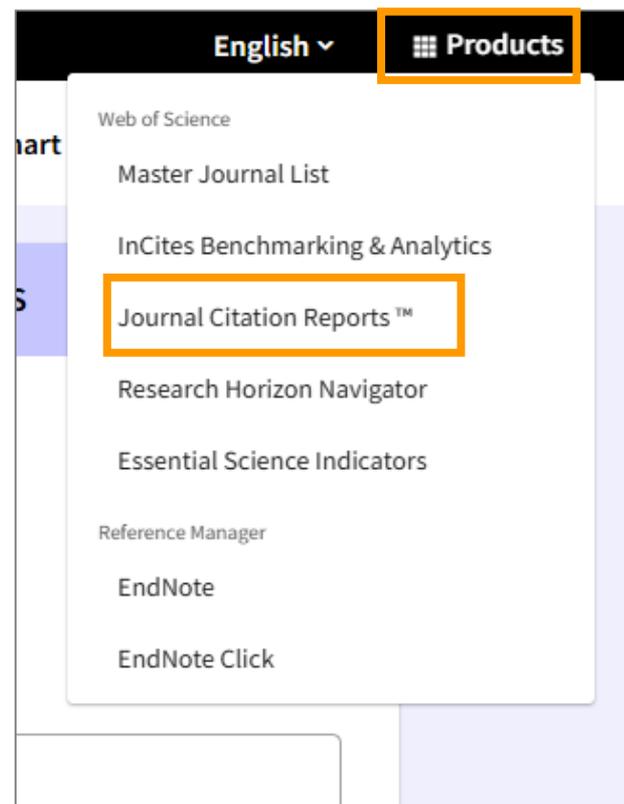
#### Journal Impact Factor contributing items

Citable items (656)

TITLE
Integrated analysis of multimodal single-cell data
Ferroptosis turns 10: Emerging mechanisms, physiological functions, and therapeutic applications
Mechanisms and disease consequences of nonalcoholic fatty liver disease
Hallmarks of response, resistance, and toxicity to immune checkpoint blockade
Adaptive immunity to SARS-CoV-2 and COVID-19
Antibody escape of SARS-CoV-2 Omicron BA.4 and BA.5 from vaccine-induced immunity

# Using the JCR

- Various indicators such as JIF
- Data updated annually (around June or July)
- Data available since 1997.
- Before 1996: CD-ROMs and booklets from the Central Library.



# Using the JCR

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Journal name/abbreviation, ISSN/eISSN, category, publisher, country/region

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Find relevant, reputable journals for potential publication of your research using Manuscript matcher. Match my manuscript

See full listings and refine your search by

- Journals
- Categories
- Publishers
- Countries/Regions

# Using the JCR

- Click on "Journals".

Clarivate Journal Citation Reports™ Journals Categories Publishers Countries/Regions Compare My favorites Sign In Register

21,973 journals

Journal name/abbreviation, ISSN/eISSN, category, publisher, country/region

Copy query link Export

Indicators: Default Customize

Journal	ISSN	eISSN	Category	Edition	Total Citations	2023 JIF	JIF Quartile	2023 JCI	% of Citable OA
<input type="checkbox"/> CA-CLINICIANS	0007-9235	1542-4863	ONCOLOGY	SCIE	65,932	521.6	Q1	82.09	92.50 %
<input type="checkbox"/> NATURE REVIEWS DRUG DISCOVERY	1474-1776	1474-1784	Multiple		48,178	122.8	Q1	13.36	9.91 %
<input type="checkbox"/> LANCET	0140-6736	1474-547X	MEDICINE, GENERAL & INTERNAL	SCIE	336,206	98.4	Q1	24.40	19.94 %
<input type="checkbox"/> NEW ENGLAND JOURNAL OF MEDICINE	0028-4793	1533-4406	MEDICINE, GENERAL & INTERNAL	SCIE	405,033	96.3	Q1	25.31	1.27 %
<input type="checkbox"/> BMJ-British Medical Journal	0959-535X	1756-1833	MEDICINE, GENERAL & INTERNAL	SCIE	163,131	93.7	Q1	10.16	78.86 %
<input type="checkbox"/> NATURE REVIEWS MOLECULAR CELL BIOLOGY	1471-0072	1471-0080	CELL BIOLOGY	SCIE	65,660	81.4	Q1	8.79	1.37 %
<input type="checkbox"/> Nature Reviews Clinical Oncology	1759-4774	1759-4782	ONCOLOGY	SCIE	27,715	81.1	Q1	10.57	0.74 %

# Using the JCR

- Research the most influential journals in pediatrics.

The screenshot displays the JCR interface with the following elements:

- Filter** section on the left, containing dropdown menus for: Journals (21,973), ISSN/eISSN, **Categories (254)** (highlighted with an orange box), Publishers (8,664), Country / region (112), Citation Indexes, JCR Year, Open Access, JIF Quartile, JIF Range, JCI Range, and JIF Percentile. At the bottom of this section are 'Reset' and 'Apply' (highlighted with an orange box) buttons.
- Search categories (Web of Science)** section on the right, featuring a search bar and a list of categories. The 'Pediatrics' category is checked (indicated by a green checkmark) and highlighted with an orange box. Other categories include Dance, Demography, Dentistry, Oral Surgery & Medicine, Dermatology, Development Studies, Developmental Biology, Ecology, Economics, Education & Educational Research, Education, Scientific Disciplines, Education, Special, Electrochemistry, Emergency Medicine, Endocrinology & Metabolism, Energy & Fuels, Engineering, Aerospace, Engineering, Biomedical, Engineering, Chemical, Engineering, Civil, Engineering, Electrical & Electronic, Engineering, Environmental, Engineering, Geological, Engineering, Industrial, Engineering, Manufacturing, Otorhinolaryngology, Paleontology, Parasitology, Pathology, Peripheral vascular Disease, Pharmacology & Pharmacy, Philosophy, Physics, Applied, Physics, Atomic, Molecular & Chemical, Physics, Condensed Matter, Physics, Fluids & Plasmas, Physics, Mathematical, Physics, Multidisciplinary, Physics, Nuclear, Physics, Particles & Fields, Physiology, Plant Sciences, Poetry, Political Science, Polymer Science, Primary Health Care, and Psychiatry.

# Using the JCR

- Research the most influential journals in pediatrics.

The screenshot displays the Clarivate Journal Citation Reports (JCR) interface. A search for 'PEDIATRICS' has been performed, resulting in 186 journals. The '2023 JIF' column is highlighted in orange, showing values ranging from 6.0 to 24.7. A modal window at the top shows the search categories (Web of Science) with 'Categories (254)' highlighted in orange.

Journal name	ISSN	eISSN	Category	Edition	Total Citations	2023 JIF	JIF Quartile	2023 JCI	% of Citable OA
<input type="checkbox"/> JAMA Pediatrics	2168-6203	2168-6211	PEDIATRICS	SCIE	18,898	24.7	Q1	7.75	19.68 %
<input type="checkbox"/> Lancet Child & Adolescent Health	2352-4642	2352-4642	PEDIATRICS	SCIE	7,477	19.9	Q1	10.04	17.65 %
<input type="checkbox"/> JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY	0890-8567	1527-5418	PEDIATRICS	SCIE	20,121	9.2	Q1	3.33	25.91 %
<input type="checkbox"/> Child and Adolescent Mental Health	1475-357X	1475-3588	PEDIATRICS	SCIE	2,018	6.8	Q1	1.14	42.24 %
<input type="checkbox"/> PEDIATRICS	0031-4005	1098-4275	PEDIATRICS	SCIE	79,057	6.2	Q1	2.99	6.11 %
<input type="checkbox"/> EUROPEAN CHILD & ADOLESCENT	1018-8827	1435-165X	PEDIATRICS	SCIE	9,749	6.0	Q1	1.75	56.31 %

# Using the JCR

- Change of IF

Journals > Journal profile ♥ Favorite ↓ Export

JCR Year  
2023

## JAMA Pediatrics

[🔔 View title change](#)

ISSN  
**2168-6203**

EISSN  
**2168-6211**

JCR ABBREVIATION  
**JAMA PEDIATR**

ISO ABBREVIATION  
**JAMA Pediatr.**

### Journal information

EDITION  
Science Citation Index Expanded (SCIE)

CATEGORY  
**PEDIATRICS**

LANGUAGES	REGION	1ST ELECTRONIC JCR YEAR
English	<b>USA</b>	2013

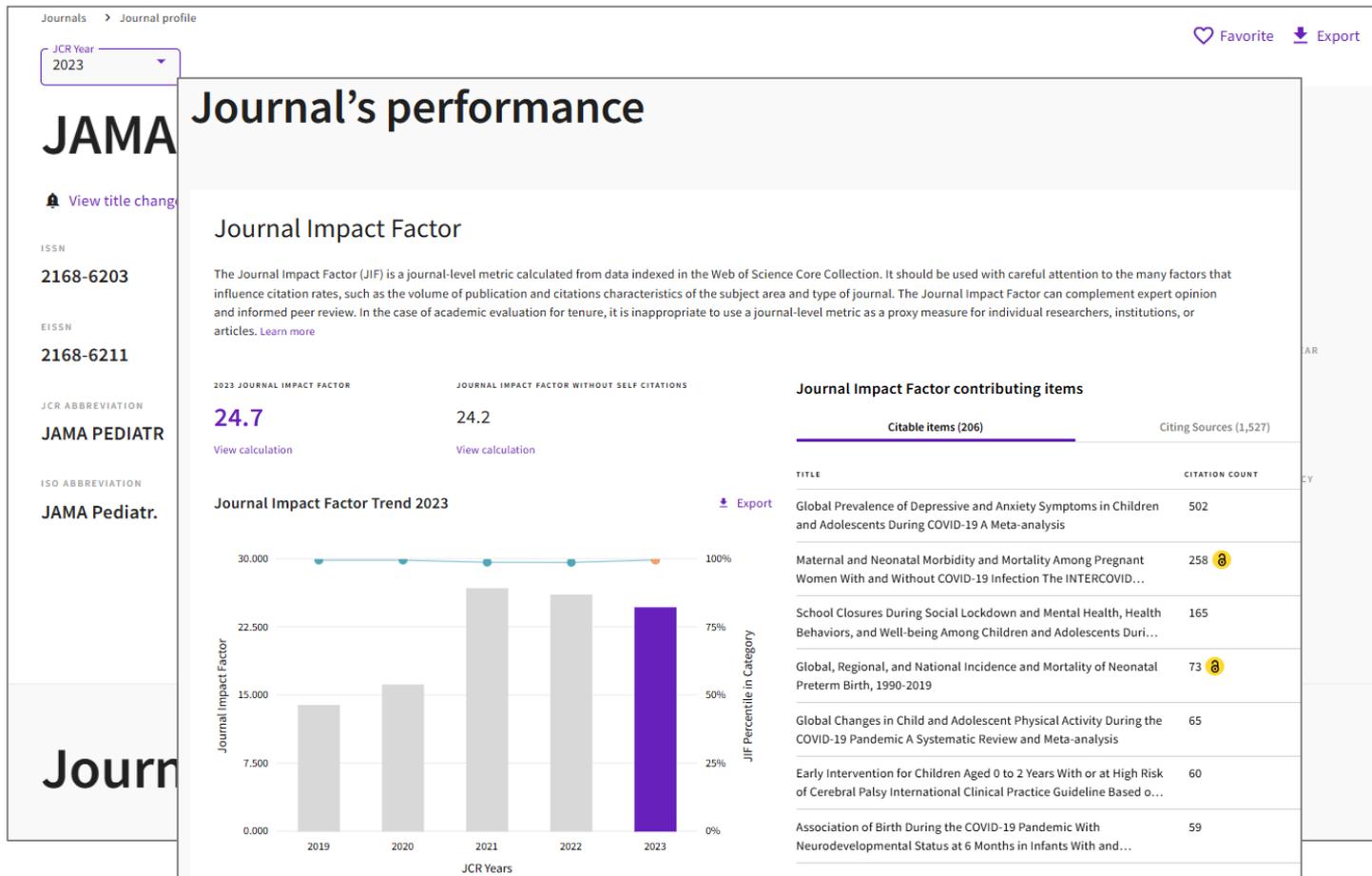
### Publisher information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
<b>AMER MEDICAL ASSOC</b>	330 N WABASH AVE, STE 39300, CHICAGO, IL 60611-5885	12 issues/year

## Journal's performance

# Using the JCR

- Change of JIF



# Summary

- Use the Web of Science
  - Multi-functional database with citation network
  - Contains selected journals in all fields
  - There is no thesaurus, so be careful with search terms.
  - Use functions for different stages and scenes of research.
- Find out the Journal Impact Factor.
  - Check with WoS search results. Or search in JCR.
  - One way to evaluate a magazine. Also requires attention.

This is the last slide of “Web of Science”.

Go on the next video.

If you have questions, please send them to  
[libmed@t.mail.nagoya-u.ac.jp](mailto:libmed@t.mail.nagoya-u.ac.jp).